MALAGA COUNTY WATER DISTRICT

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Fresno, Ca 93725

MCWD 2015 ANNUAL PRETREATMENT REPORT

Report Date:	29 February 2016
Reporting Period:	1 January 2015 to 31 December 2015
Order No.:	R5-2014-0145
NPDES Permit No.:	CA0084239
WWTF:	Malaga County Water District Wastewater Treatment Facility (WWTF) 3749 S. Maple Avenue Fresno, Ca 93725
Mailing Address:	3580 S. Frank Street Fresno, Ca 93725 T: 559-485-7353
Attention:	James D. Anderson General Manager and Chief Plant Operator

Certification [40 CFR 122.22(d)]:

I certify under penalty of law that this document and all attachments were prepared under the direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry on the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

James D. Anderson
Legally Responsible Official

MALAGA COUNTY WATER DISTRICT
2015 Pretreatment Program Annual Report

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Introduction and General Information

Malaga County Water District ("MCWD" or "District") is a California Special District located south of the City of Fresno. The District covers an area of about 2.5 square miles and provides water distribution, wastewater collection, treatment and disposal, and solid waste collection and disposal services to a community of 239 residential units, 71 trailer park tenants, over 200 commercial businesses, and 11 industrial dischargers identified as Significant Industrial Users (SIUs).

The District operates a Recreation and Senior Citizen's Center. MCWD meets all definitions of a disadvantaged community with a median household income of $23,000 among all residents. The District has an annual operating budget of $2.3 million with a staff of 15 full time employees.

The District is governed by a five-member elected Board of Directors and is organized and exists pursuant to §30000, et seq., of the California Water Code. The District's General Manager, James D. Anderson, is responsible for the day-to-day operations of the District including the District's Pretreatment Program. Mr. Anderson also serves as the Wastewater Treatment Facility's Chief Plant Operator and the District's Legally Responsible Official. Mr. Thomas Siphongsay is the District's Environmental Compliance Inspector (ECI). He is a CWEA certified Grade 1 ECI and is registered to take the Grade 2 exam within the next three months. Mr. Siphongsay maintains the reports and records related to pretreatment and performs most of the field work for inspections, compliance review, education, outreach, and enforcement.

Total employment within the District is estimated to be 2,400 jobs from data collected during pretreatment program inspections of industrial and commercial customers. Six major industries include a plate glass manufacturer, a biomass energy producer, a gas turbine electrical energy peaking plant, a corrugated box and printing manufacturer, a vegetable oil re-packager, ad a petroleum distributor of gasoline, diesel, and jet fuel. Most of the commercial businesses support freight services with truck washes and truck stops, truck sales and repair businesses, and a large number of warehouse facilities for storage and distribution. MCWD is a major hub for commercial freight and trucking for state and inter-state commerce. The services provided in MCWD have a large multiplier effect on jobs within and without the State of California.

MCWD is a vital center of activity to the economy of the State of California.

Pretreatment Program Overview

The District's Pretreatment Program is authorized by the District's Ordinance Code which is referred to herein as the "Malaga Code." (See, MC Sec. 3.01.030 and 3.05.020). The District's Ordinance Code was updated and codified on February 25, 2014. The Malaga Code is updated, revised, and/or modified by the Board of Directors in accordance with applicable law. The most recent change is incorporated in Ordinance 2016-1 that has since then been added to the Malaga Code. The Malaga Code is maintained and available online on the District's web page located at:

www.malagacwd.org.

The District's Pretreatment Program is a living document and is updated as necessary. Malaga has a myriad of commercial and industrial wastewater dischargers, and while most discharge only domestic type wastewater, it is the District's never ending diligence to track down other than domestic wastewater discharge and insure that such dischargers are properly permitted, monitored, and reported. A copy of the District's Pretreatment Program is also available on the District's web page.

The District's primary control mechanism is the Individual Wastewater Discharge Permits ("IWDP"). The District issues IWDPs (also referred to as "Non-Residential Discharge Permits) in five classes. All Non-Significant Industrial Users are issued a general permit (Attachment A: General Permit for Non-SIUs). Each Significant Industrial User is issued an IWDP as contained in the fourth quarter pretreatment report (Attachment M: Fourth Quarter Pretreatment Report).

Last year's annual pretreatment report stated that a Local Limit study was expected to be available in April 2015. The requirements for a Local Limit study turned out to be a much more complicated process than originally understood. Nevertheless, the District submitted a Local Limits sampling plan to the State Water Resources Control Board in April 2015 and a response was received in June 2015 that made recommendations and suggestions to the sampling plan. After revising the sampling plan, sample collection began in October 2015 and will continue into April 2016, leaving enough time to study the results and collect additional samples if necessary to submit a Local Limits study to the State Water Resources Control Board by the required date of 1 August 2016. The District Engineer will prepare the formal Local Limits study. Regular meetings are taking place to monitor the analytical reports as they become available.

2015 was the year the District's Pretreatment Program flexed its fledgling wings and began to fly. There were stumbles early on, but determination drove the District to overcome failure and adjust course. Public Outreach has been a critical factor in successes gained. The District gained the confidence of dischargers who were unfamiliar with pretreatment. The District learned early on that flyers were not enough to educate dischargers. It took a lot of time working with dischargers individually to gain their buy-in for the Pretreatment Program.

2015 Pretreatment Inspection

In April 2014, the District met with the Central Valley Water Resources Quality Control Board (CVWRQCB) to discuss a Notice of Violation with seventy-one violations from a pretreatment inspection held in January 2014. The District was severely reprimanded for those violations and was threatened with “being eliminated” by CLAY RODGERS who further stated “I intend to shut Malaga down to be absorbed by the City of Fresno”. The District attempted to explain that it was dedicated to resolving the violations, and inquired whether the CVWRQCB could offer technical assistance. CLAY RODGERS replied that the CVRWQCB did not have pretreatment technical experts on its staff, but that the Clean Water Act and EPA regulations clearly explain the requirements for pretreatment and the District was expected to comply with those regulations. The remainder of the meeting was a series of more threats from CLAY RODGERS and the District’s humble response to promise that compliance would be achieved.

In May 2014, JILL WALSH of the Central Valley Water Resources Quality Control Board asked whether Malaga would like to have an inspection of its Pretreatment Program in 2015. She stated this was an option, and would identify areas of the program that may need improvement or further attention.

The District gladly accepted the invitation for a pretreatment inspection for that very purpose. It was explained to JILL WALSH that the District was still trying to grasp the theoretical concepts of a pretreatment program and learning the technical requirements. It was explained to JILL WALSH that there was a very steep learning curve involved while trying to implement the program at the same time. It was felt that an inspection would help redirect effort as necessary to meet the EPA requirements for an effective and legitimate pretreatment program.

An inspection was held in March 2015 by EPA contractors KETTIE HOLLAND and DANNY O’CONNELL. They were the same inspectors for the January 2014 inspection.

During the inspection, both inspectors clearly stated that they observed substantial improvements to the Malaga pretreatment program. The inspection was a very positive experience for the District. Areas requiring improvement were identified and a few technical points were explained and clarified. After the inspection debriefing, the District felt proud of its accomplishments and a clearer image was developed for areas that needed more attention. Both inspectors applauded the District’s effort to develop and implement an effective pretreatment program. Both inspectors stated that the District was headed in the right direction and except for a few technical matters were clearly on the way toward EPA compliance.

In September 2015, the District received another Notice of Violation for the 2015 inspection that contained twenty-one “violations or threatened violations” and sixteen “recommendations the District strongly consider”. The NOV implies that the District has no concept of what a pretreatment program is, and is negligent in developing one. The NOV is a complete misrepresentation of what was discussed during the inspection.

Pretreatment Program Budget

The District, as part of its annual budgetary process, prepares a Pretreatment Program Budget. The District's current Pretreatment Program Budget for fiscal year 2015-2016 is contained in Attachment B. The primary source of revenue for the Pretreatment Program is from fees paid by IUs for inspections and other services provided by the District and a portion of the charges for sewer service provided by the District to the IUs. In 2015, the District completed a rate study and developed a new master schedule of fees that was adopted in January 2016. In the new schedule of fees, a pretreatment program surcharge of $6.42 per equivalent sewer unit (ESU) is applied to all commercial dischargers and a $0.15 pretreatment program surcharge is applied to residential customers.

The pretreatment program budget for FY 2015 is $252,860. The major costs for pretreatment for FY 2015 are:

1. Two additional portable samplers
2. Repair parts for two existing portable samplers
3. Analysis of samples for the Local Limits study
4. Technical report of the Local Limit study
5. ECI field testing safety and sampling equipment
6. ECI training, CWEA membership and certification
7. Contract and legal services

Pretreatment Program Public Participation and Outreach

The District's Pretreatment Program Public Participation and Outreach Program consists of interaction between the District, through its ECI, and IUs during compliance inspections. The District also provides information and literature in printed form and on its web page which may be utilized by IUs.

The District has developed a FOG Control Best Management Practices brochure which it distributes to food service establishments and other IUs potentially subject to the District's FOG Control Program.

The District completed a Slug Discharge Control inspection of IUs in 2015 and is attached as Attachment C. This 113 page report contains the elements of a Slug Discharge Plan as was pointed out in the 2015 pretreatment inspection. In addition, a flyer was created as part of an educational outreach to help Users understand the definition of a Slug Discharge and to familiarize themselves with other wastewater related content (Attachment D: Public Outreach Flyer).

The District provides community outreach at community events which occur, from time to time, at the District's recreational facilities. For example, in September 2015 at the District's Fiesta Days celebration, the District had a vendor booth where it provided information on the District's Pretreatment Program and FOG Program in addition to providing information on proper use of the District's sewer system, water conservation information and free water conservation devices to low-income residents.

The District provided outreach to and conducted public workshops for IUs regarding potential changes to the District's Pretreatment Program and permits in addition to the public hearings which were held in accordance with the District's Pretreatment Program procedures. The District publishes a newsletter which provides information to the community on all aspects of the District's operations including the Pretreatment Program.

Compliance and Monitoring Program

1. Summary Report of Influent, Effluent, and Sludge

Representative 24-hour flow paced composite samples of the WWTF influent, effluent, and sludge were collected on 10 March 2015 and analyzed for those pollutants U.S. EPA has identified under section 307(a) of the Clean Water Act that are known or suspected to be discharged by nondomestic dischargers. The analytical reports for those samples are contained in Attachments E, F, and G.

The analytical reports are summarized in Table 1. Table 1 lists only the inorganics and metals found in nondomestic wastewater rather than a complete list of all 126 priority pollutants, most of which were not detected in influent samples. Those that were detected are in very low quantities normal of any other nondomestic discharge and no reasonable summary of the analysis can be made other than to say they exist in small quantities.

The summary of the analytical results indicates that the Malaga WWTF removes pollutants at a level that meets or exceeds NPDES requirements. Ammonia as Nitrogen has a removal rate of 99% and BOD a removal rate of 94%. Total Suspended Solids (TSS) shows a removal rate of only 78%, but this result is an anomaly. During all of 2015, monthly discharge monitoring reports showed TSS removal above 95%.

Complete nitrification is evident by the results, and partial denitrification is evident by the 15 mg/L of Nitrate as Nitrogen result in the effluent sample. The District is developing a denitrification system for the WWTF that is ongoing. The District expects to achieve denitrification before the end of its current NPDES permit.

There are two major areas of concern with the summary of the results, Electro-conductivity (EC) found in the effluent and chromium and copper in the sludge.

EC levels in the effluent has been an ongoing problem for the District and is a significant part of the District's effort in the pretreatment program. Since water conservation measures were implemented in 2015 to comply with State requirements, the District reported EC violations that average less than 2% of the allowable limit since June 2015. To correct this violation, the District performed a mass balance calculation of EC (Table 2) and developed a step-decrease in EC plan (Attachment H) for all dischargers. This plan was submitted to the CVRWQCB in November 2015 for approval, and scheduled for implementation in February 2016. The District never did receive a response from the CVRWQCB until a phone call in late February 2016 that approved the plan and applauded the District's effort to "use its Control Authority for pretreatment", but the step-decrease plan was implemented by that time anyway. It should be pointed out that the step-decrease plan was submitted via the electronic mail link used to submit written correspondence to CVRWQCB staff. WARREN GROSS, who made the phone call, requested that future correspondence regarding time tables for responses may be submitted directly to him rather than via the electronic mail

correspondence link.

The step-decrease plan is not the solution to EC. It is identified as an interim measure pending completion of the Local Limits study for an EC limit that will prevent violations of EC.

Chromium and copper have been an on-going problem for the District since they have been measured in quantities in the biosolids that makes biosolid disposal a hazardous waste issue. The Chromium level in the sludge sample indicates that the WWTF added chromium by a factor of 10 compared to the influent sample. Copper “increased” by about 50%. Chromium and copper are not tested for other than annually for this report, but are pollutants of concern for the local limits study. A further evaluation will have to be made from the Local Limit study samples to gain a proper understanding of the sources of chromium and copper.

The remainder of the samples indicate normal operation of the WWTF and common levels of influent wastewater constituents.

A Discussion of Upset, Interference, or Pass-Through Incidents

Throughout the year of 2015, there were occasional minor upsets involving discharge that caused excessive foaming at the POTW (Attachment I). For the majority of these incidences, the investigation team could not pinpoint or there was not enough evidence to hold the responsible discharger(s) accountable.

During a random inspection in August, foam was noticed in the manhole linked to Speedy Truck Wash (Attachment J). A sample was collected from the designated sampling point location and taken to the POTW's laboratory for in-house analysis of pH and EC. The results indicated a high EC reading of 2,620 micro-ohms per centimeter. The pH reading was 7.99 pH standard units and was within their permit limit. The wastewater operators at the POTW however did not observe any devastating effects from the discharge. Being a minor and isolated event, the District decided to not issue any citations and applied informal enforcement. Educating the representatives on the potential impacts of foam was more suitable for this particular situation.

According to 40 CFR 403, Interference is defined as a discharge which, alone or in combination with other dischargers, inhibits or disrupts the POTW and causes it to violate its NPDES permit or applicable sludge use or disposal regulations. There were no major incidences of interference in the year 2015 that would cause a disruption or inhibition of the POTW's treatment processes. Data recorded overtime do however indicate that discharge from the SIUs that engage in truck washing contribute to higher levels of EC and that it is possible contributing factor to the POTW's constant violations on EC. Table 7 of the report is an example of the data collected from these particular dischargers.

Besides the previously mentioned Copper and Chromium episodes of pass-through, there were no pass-through incidences that occurred in the year of 2015. As part of the requirements contained within the District's NPDES permit, the District was required to develop a plan to address the pass-through of Copper and Chromium. The third quarter report contains the plans that were developed to address this (Attachment O).

Baseline Monitoring Report

Baseline monitoring reports are only required for categorical dischargers, and there are no categorical dischargers in Malaga.

Updated List of Significant Industrial Users

Below is the list of Users that have been identified as SIUs (Table 3). There are now a total of 11 SIUs, all of which are non-categorical. Georgia Pacific Corrugated was added to this list after it was discovered that the User had a reasonable potential for adversely affecting the POTW in terms of discharging batches high in electro-conductivity (EC) and contributing to the POTW's difficulties in meeting effluent limits for EC.

In addition, Rocktenn changed their name to Westrock CP LLC after merging with another corporation.

Table 3. Updated list of Significant Industrial Users

Permit #	Permit Holder	Address
1001	Westrock, CP LLC (formerly Rocktenn)	3366 E. Muscat Ave. Fresno, CA 93725
1005	Rio Bravo-Fresno	3350 S. Willow Ave. Fresno, CA 93725
1008	Stratas Foods	3390 S. Chestnut Ave. Fresno, CA 93725
1025	SFPP LP (referred to as Kinder Morgan)	4149 S. Maple Ave. Fresno, CA 93725
1038	PPG Industries	3333 S. Peach Ave. Fresno, CA 93725
1140	Air Products & Chemical Inc.	3333 S. Peach Ave. Fresno, CA 93725
1160	Fifth Wheel Truck Wash	3767 S. Golden State Blvd. Fresno, CA 93725
1098	Speedy Truck Wash	3846 S. Front/3200 E. Central Fresno, CA 93725
1205	Imperial Truck Wash	2635 E. North Ave. Fresno, CA 93725
1095	Lester Lube Inc. dba Fresno Truck Wash	4170 S. Bagley Ave. Fresno, CA 93725
1114	Georgia Pacific Corrugated	3630 E. Wawona Ave. #104 Fresno, CA 93725

SIU Compliance Status

The compliance status of each SIU is described in the Table 4. Applicable Significant Noncompliance Calculations (SNC) for SIUs that submit monthly reports are attached to provide evidence of their compliance status (Attachment K).

In addition, the Monitoring Report Log, a checklist that the District designed to aid in the evaluation of specific monitoring reports, revealed that all required reports were submitted (Attachment L).

All SIUs that wash trucks are known to be constant violators of electro-conductivity (EC). The District is well aware that it is potential infeasible for these particular SIUs to even meet electro-conductivity limits due to the nature of their business. Thus, to characterize their compliance status for the entire year, these SIUs were given a compliance status of “Did not achieve compliance and not on a compliance schedule.” Issuing compliance orders would not completely eliminate this complex problem of high EC and would not be suitable for these specific dischargers. Despite implementing measures to reduce EC, such as process changes and changes in detergent dosages, EC was continuously in exceedance. The only proven method of reducing EC is by undertaking the extreme and costly measure of installing equipment for reverse osmosis. In light of this knowledge, the District has decided that a solution for compliance relies heavily in the outcome of Local Limits Study. The comprehensive Local Limits Study will help the District to determine once and for all whether or not the truck washing industries should even remain in business at all. Thus, all efforts in the fourth quarter was shifted to focus on this vital study.

Fourth Quarter Pretreatment Report

The Fourth Quarter Pretreatment Report is contained in Attachment M.

Inspection and Sampling Activities

Table 5 below reflects the inspection and sampling activities conducted on the SIUs in 2015. All SIUs were inspected at least once and sampled at least once in the year of 2015. At least one sample was collected from all SIUs and submitted to a certified laboratory for analysis (Attachment N: SIU Annual Sampling Results).

Table 5. Inspection and Sampling Activities

Permit #	Permit Holder	Frequency Inspected	Frequency Sampled
1001	Westrock CP, LLC	2	1
1005	Rio Bravo-Fresno	2	1
1008	Stratas Foods	2	1
1025	SFPP LP (referred to as Kinder Morgan)	2	1
1038	PPG Industries	2	1
1140	Air Products & Chemical Inc.	2	1
1160	Fifth Wheel Truck Wash	5+	5+
1098	Speedy Truck Wash	5+	5+
1205	Imperial Truck Wash	5+	5+
1095	Lester Lube Inc. dba Fresno Truck Wash	5+	5+
1114	Georgia Pacific Corrugated	2	1

Truck Washing Facilities were under surveillance and inspected the most due to their discharge characteristics of having high EC and their ability to cause occasional foaming incidences at the POTW. In addition, they were sampled the most in comparison to all other SIUs. A majority of the samples taken from these truck washing industries were analyzed in-house via the POTW's laboratory. An example of such surveillance is contained in Table 6: Truck Wash Monitoring.

The results gathered from the inspection and sampling activities of all SIUs revealed important information in regards to sources of high EC which prompted the District to become more proactive in targeting the issue with EC. Discharge data from truck washing industries indicated that these particular Users can cause spikes of high EC. Batch Dischargers that discharge content high in EC but at a significantly less volume, such as Georgia Pacific and Kinder Morgan, will need to have their limits considered as a part of the Local Limits Study. The laboratory results obtained from the SIUs helped to shift much of the District's focus to emphasize EC as the main pollutant of the POTW. This has led to another comprehensive study in regards to EC involving Rio Bravo and PPG, the two biggest dischargers with cooling towers. These two SIUs were notified to lower their set points for their EC monitoring systems of their cooling towers for the upcoming year so that the District can observe any possible impacts or trends on EC (Attachment H and Table 2). Ultimately, inspection and sampling activities played an important role in determining what needs to be included for the Local Limits Study.

Compliance Status of each SIU

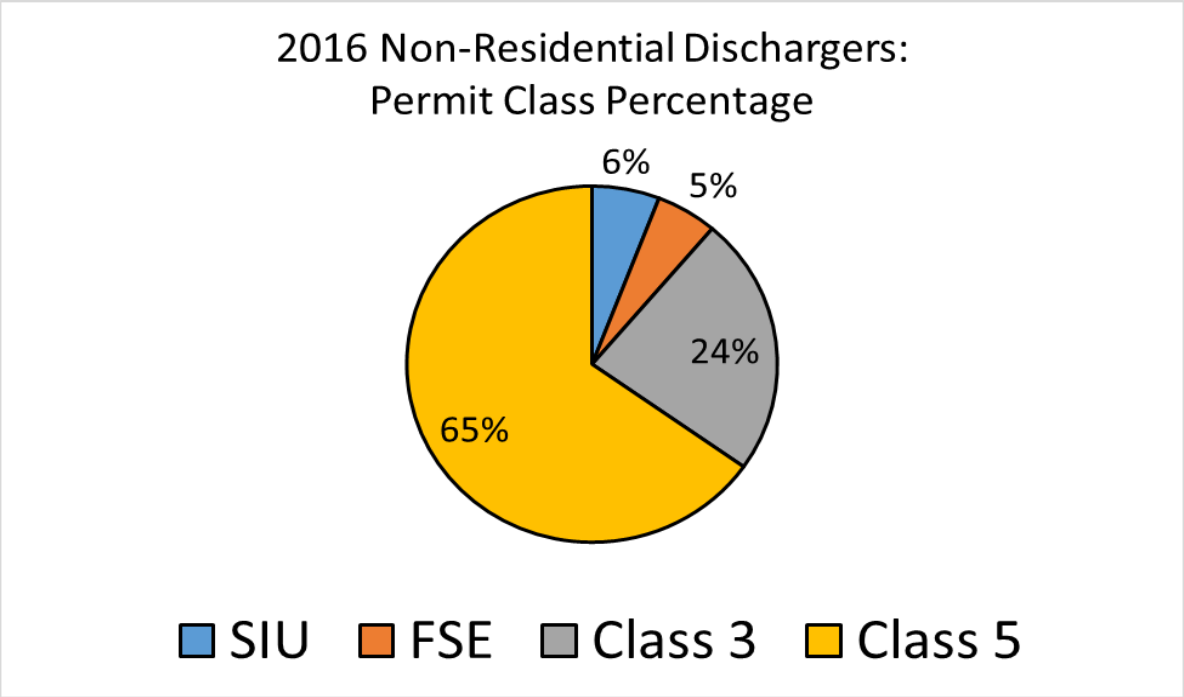
The compliance status of all SIUs is contained in Table 7.

For a characterization of wastewater treatment or control processes in place, see Attachment C: Slug Discharge Evaluation.

Programs to Reduce Pollutants from Non-SIU Users

No programs were implemented to reduce pollutants from nondomestic users that are not classified as SIUs. Discharge from SIUs constitutes to the majority of the volume received by the POTW. More specifically, SIUs that discharge contents from their cooling towers contribute to the bulk of the volume. Truck washing facilities discharge a volume far less, however they are shown to have the capability of causing spikes in high EC. Aside from the SIUs, the District has commercial facilities and restaurants that, for the majority, discharge only domestic type wastewater. Of the total non-residential dischargers within the District, sixty-five percent are Class 5 Users that only discharge domestic type wastewater and only twenty-four percent are found to have some type of non-domestic discharge. The Users which make up the twenty-four percent are identified as Class 3 Users. Although no programs were implemented, ongoing site visits and inspections of these particular users were the primary means of reducing any pollutants. The site visits revealed that these Users have a low potential for causing adverse impacts to the POTW.

Table 8. 2016 Non-Residential Dischargers: Permit Class Percentage



Description of Significant Changes

There were no significant changes in operating the Pretreatment Program which would differ from the previous year.

A copy of this report shall be submitted to:

State Water resources Control Board
Division of Water Quality
PO Box 944213
Sacramento, Ca 94244-2130

-and-

Regional Administrator
U.S. Environmental Protection Agency W-5
75 Hawthorne Street
San Francisco, Ca 94105

Attachment A

General Permit for Non-SIUs

Industrial User Wastewater Discharge Permit

Part 1: Standard Conditions

1. Duty to Comply

The permitted Industrial User ("User") shall comply with all of the conditions of this Industrial Wastewater Discharge Permit ("Permit") and all of the provisions, terms, and requirements of the Malaga Code ("Code"), the Pretreatment Program, the Clean Water Act ("Act") and all orders, ordinances, rules, resolutions, and regulations of the District, including but not limited to connection permits and baseline discharge requirements. Failure to comply with the requirements of this permit may be grounds for enforcement action, including civil or criminal penalties, injunctive relief and summary abatements as set forth in the District's Enforcement Response Plan ("ERP").

2. Duty to Mitigate

The User shall take all reasonable steps to minimize or correct any adverse impact to the wastewater treatment system or the environment resulting from noncompliance with this Permit including such accelerated or additional monitoring and sampling or other orders as necessary to determine the nature and impact of and to correct the non-complying discharge.

3. Permit Modification

The District may modify the Permit for good cause, including but not limited to, the following reasons:

a) To incorporate any new or revised Federal, State, or local pretreatment standards or requirements;

b) To address significant alterations or additions to the User's operation, processes, or wastewater volume or character since the time of the individual wastewater discharge Permit issued;

c) A change in any process or discharge condition in either the industrial user or the POTW that requires either a temporary or permanent reduction or elimination of the authorized discharge;

d) Information indicating that the permitted discharge poses a threat to the Control Authority's collection and treatment systems, WWTF and equipment, personnel or the receiving waters;

e) Violation of any terms or conditions of the Permit;

f) Misrepresentation or failure to disclose fully all relevant facts in the Permit application or in any required reporting;

g) Revision of or a grant of variance from such categorical standards pursuant to 40 CFR 403.13;

h) To correct typographical or other errors in the Permit;

i) To reflect of the facility ownership and/or operation to a new owner/operator; or

j) Upon request of the User, provided such request does not create a violation of any applicable requirements, standards, laws, or rules and regulations.

The filing of a request by the User for a Permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay or modify any Permit condition.

4. Retention of Records

In addition to the record keeping requirements of the Malaga Code, Pretreatment program and the Act, the User shall retain records as follows:

a. The industrial user shall retain records of all monitoring information, copies of all reports required by this permit and records of all data used to complete the application for this permit, for a period of at least three years from the date of the sample, measurement, report or application. This period may be extended by the request of the District at any time.

b. All records that pertain to matters that are the subject of special orders or any other enforcement or litigation activities brought by the District shall be retained and preserved by the industrial user for three years after all enforcement activities have concluded and the time to bring any appeal(s) have expired.

5. Permit Termination

This Permit may be terminated for the following reasons:

a) Failure to notify the District of significant changes to the wastewater prior to the change discharge;

b) Failure to provide prior notification to the District of changed conditions;

c) Misrepresentation or failure to fully disclose all relevant facts in wastewater discharge Permit application;

d) Falsifying self-monitoring reports and/or certification statements;

e) Tampering with monitoring equipment;

f) Refusing to allow timely access to the facility premises and records;

g) Failure to meet effluent limitations;

h) Failure to pay fines;

i) Failure to pay sewer charges;

j) Failure to meet compliance schedules;

k) Failure to complete a wastewater survey and renewal form, or the wastewater discharge Permit application;

l) Failure to provide advance notice of the transfer of business ownership of a permitted facility; or

m) Violation of any pretreatment standard or requirement including required BMPs contained in the Code, or the wastewater discharge Permit, or the Pretreatment Program.

6. Notification and Reporting

In addition to the record keeping and reporting requirements of the Malaga Code, the Pretreatment Program, and the Act, the User shall notify the District prior to any new or changed discharge, and shall immediately notify the District at (559) 485-7353 of any wastewater discharge which is not in compliance with this Permit, or the Pretreatment Program, or the Code, or which might be reasonably judged to constitute a hazard to District personnel, the wastewater treatment system, or the environment.

The User shall furnish any information relating to wastewater discharge quantity and quality as required by the District, and shall comply with all reporting requirements specified in this Permit.

7. Costs and Fees

The User shall pay all fees required by District ordinances, including but not limited to, permit fees, connection fees, annexation fees, bond debt services charges, and sewer unit fees.

The User shall also pay any additional cost or expenses incurred by the District for handling and treating excess loads imposed on the treatment system and any cost or expense incurred by the District in the enforcement of the provisions of its ordinances and the correction of violations thereof.

8. Facilities

The User shall make wastewater acceptable under the limitations of the Code and the Pretreatment Program before discharging to the sewage system. Any facilities required to pretreat wastewater to a level acceptable to the District shall be provided and maintained at the User's expense. Detailed plans showing the pretreatment facilities and operating facilities shall be submitted to the District for review, and shall be acceptable to and approved by the District, in writing, before construction of the facility. The review of such plans and operating procedures will in no way relieve the User from the responsibility of modifying the facility as necessary to produce an effluent acceptable to the District under the provisions of the Malaga Code. Any subsequent changes in the pretreatment facilities or method of operation shall be reported to, and be approved in writing by, the District.

Pretreatment facilities (including sampling and flow monitoring facilities) shall be maintained in good working order and shall be operated so as to ensure continuous compliance with District ordinances, resolutions, rules and regulations, and any applicable permits by the User at the User's own cost and expense. Pretreatment facilities are at all times subject to the requirements of these rules and regulations and all other applicable codes, ordinances, and laws. Intermittent operation of pretreatment facilities except as provided for in writing by the District during discharge to the sewage system is prohibited.

All solids, sludge, filter backwash or other pollutants removed by pretreatment facilities shall not be discharged to the sewage system, nor allowed to enter any storm water or ground water recharge system, nor allowed to seep into the ground, but shall be stored, treated and/or disposed of in accordance with applicable County, State and Federal regulations.

9. Right of Entry

Pursuant to the provisions of the Malaga Code, the User shall allow District personnel, upon the presentation of credentials, to enter upon any property or premises, the User, by accepting any permit issued pursuant to the Code, does hereby consent and agree to the entry upon the premises, described in the Permit, by District personnel for the following purposes as required by the Permit at all reasonable times:

a. Reviewing and copying any records required to be kept under the provisions of the Malaga Code;

b. Inspecting any monitoring equipment, pretreatment facility or discharge-producing process;

c. Inspecting and/or sampling any discharge of wastewater to the wastewater facilities. District personnel may enter upon the property at any hour under emergency circumstances. In the event of such emergency entry, District personnel shall make every effort to immediately notify the User's designated agent;

d. To investigate the possible violation of the Malaga Code or Permit;

e. To photograph any waste, waste container, vehicle, waste treatment process, discharge location, or violation discovered during an inspection.

f. Users shall cooperate at all times with authorized District personnel in the inspection, sampling and study of the User's facilities and wastewater.

10. Duration

The terms and conditions of this Permit shall remain in effect until either:

a. The Permit is modified;

b. The Permit is revoked;

c. The Permit expires and cause is determined for non-renewal of the Permit;

d. Failure of the District to act upon a valid Permit application or renewal application shall allow for automatic extension of operations under existing Permit conditions until such District action is complete.

e. Failure of the District to act upon a valid Permit application or renewal application shall allow for automatic extension of operations under existing Permit conditions until such District action is complete.

This Permit allows the User to operate only one industrial wastewater discharge point to the sewer collection system.

11. Severability

The provisions of this Permit are severable, and if any provisions of this Permit or the application of any provision of this Permit to any circumstances is held invalid, the application of such provision to other circumstances and the remainder of the Permit shall not be affected hereby.

12. Transferability

This Permit shall not be reassigned, transferred, or sold to a new owner, new user, different premises, or to a new or changed operation.

13. Enforcement and Penalties

Failure to comply with any of the provisions of this Permit, the Malaga Code, or applicable State or Federal laws or regulations may result in any or all of the following actions:

a. Administrative actions including but not limited to Notices of Violation, Administrative Orders, Administrative Citations, Administrative Complaints, Administrative Hearings, Governing Board Hearings, Compliance Orders, Orders to Show Cause and civil penalties in an amount of not less than one thousand dollars ($1,000) per day, per violation;

b. Legal actions including but not limited to preliminary or permanent injunctions, or both;

c. Civil and/or criminal penalties;

d. Permit revocation;

e. Temporary or permanent disconnection from the District's sewerage system;

f. Water supply severance.

14. Appeals

Any User affected by any decision, action, or determination, including Administrative Orders, issued by the District, interpreting or implementing he provisions of The Malaga Code or any permit or Order issued thereunder, may file with the District a written request for reconsideration within ten (10) days of such decision, action, or determination, setting forth in detail in facts supporting the User's request for reconsideration.

If the ruling made by the Manager is unsatisfactory to the person requesting reconsideration, this person may, within ten (10) days after notification of District action, file a written appeal to the District's Board of Directors. The written appeal shall be heard by the body within sixty (60) days from the date of filing. The District's Board of Directors shall make a final ruling on the appeal within ten (10) days of the close of the meeting. The Manager's decision, action, or determination shall remain in effect during such period of reconsideration.

Any User aggrieved by a final order issued by the Board of Directors may obtain review of the order of the Board in the Superior Court by filing in the court a petition for writ of mandate within thirty (30) days following the service of a copy of a decision and order issued by the Board.

If no aggrieved party petitions for writ of mandate within the time provided by this section, an order of the Board shall not be subject to review by any court or agency, except that the Board may grant review on its own motion after the expiration of the time limits.

15. Definitions

a. Composite Sample. A representative sample, formed either by continuous sampling or by mixing discrete samples. The sample may be composited either as a:

1) Time based composite sample: composed of discrete sample aliquots collected in one container at constant time intervals providing representative samples irrespective of stream flow; or a

2) flow-proportional composite sample: collected either as a constant sample volume at time intervals proportional to stream flow, or collected by increasing the volume of each aliquot as the flow increases while maintaining a constant time interval between the aliquots.

b. Daily Maximum. The maximum allowable discharge limit of a pollutant expressed in units of mass per day. Where daily maximum limits are expressed in terms of a concentration, the daily discharge is the arithmetic average measurement of the pollutant concentration derived from all measurements taken that day.

c. Grab Sample. An individual sample collected without regard for flow or time.

d. Instantaneous Maximum Concentration. The maximum concentration allowed in any single grab sample.

e. Cooling Water. Either,

1) Uncontaminated – Water used for cooling purposes only which has no direct contact with any raw material, intermediate, or final product and which does not contain a level of contaminants detectably higher than that of the intake water.

2) Contaminated – Water used for cooling purposes only which may become contaminated either through the use of water treatment chemicals used for corrosion inhibitors or biocides, or by direct contact with process materials and/or wastewater.

f. Monthly Average. The arithmetic mean of the values for effluent samples collected during a calendar month or specified 30 day period (as opposed to a rolling 30 day window). Compliance with the monthly average discharge

limit is required regardless of the number of samples collected and analyzed.

g. Bi-Weekly. Once every other week.

h. Bi-Monthly. Once every other month.

i. Upset. An exceptional incident resulting in temporary and unintentional non-compliance because of factors beyond the reasonable control of the discharger.

j. Bypass. Means the diversion of wastes from any portion of a pretreatment process or facility.

Dilution

The User shall not increase the use of potable water or process water or, in any way, attempt to dilute a discharge as a partial or complete substitute for adequate treatment to achieve compliance with a discharge limitation unless expressly authorized by an applicable Pretreatment Standard or Requirement. The District may impose mass limitations to meet applicable Pretreatment Standards or requirements, or in other cases when the imposition of mass limitations is appropriate.

Part 2: Discharge prohibitions and Limitations

1. Standard Discharge Prohibitions

The User shall comply with all discharge prohibitions and limitations specified in the Malaga Code, the Pretreatment Program, and this Permit. Prohibitions include but are not limited to:

a. Any materials that may cause interference or pass through;

b. Oils and Grease in any amounts that may cause an obstruction in the sewer collection system;

c. Explosive mixtures;

d. Noxious materials;

e. Shredded garbage;

f. Solid or viscous waste that cause an obstruction or decrease flow in the sewer collection system to less than two feet per second;

g. Slug loads not coordinated with the District by a Slug Control Plan;

h. Toxic or hazardous materials;

i. Unpolluted waters;

j. Wastes with objectionable color or odor;

k. Corrosive waste;

l. Trucked or hauled waste;

m. Sludges, screenings, or other residues from wastewater pretreatment;

n. Medical wastes;

o. Detergents, surface active agents, or other substances that may cause excessive foaming at the WWTF;

p. Any substance that will interfere or upset the treatment process at the WWTF;

q. Any substance that may result in the WWTF exceeding NPDES permit limits.

r. Discharge resulting from the bypass of pretreatment systems.

2. Discharge Local Limits

a.

Parameter	Discharge Local Limit	Specific Conditions
pH	6.0 - 9.0	pH is an instantaneous reading and cannot be averaged
Electrical Conductivity (EC)	950 µmhos/cm	Monthly average
Biochemical Oxygen Demand (BOD)	1,000 mg/L	Monthly average
Suspended Solids	1,000 mg/L	Monthly average
Chemical Oxygen Demand (COD)	1,000 mg/L	Monthly average
Oil and Greases	100 mg/L	Monthly average

A User which has a flow volume of less than 3,000 gallons per day or less than 45,000 gallons per month shall have a maximum concentration limit for Electrical Conductivity of 7,000 µmhos/cm except that such discharge shall not be an incompatible Pollutant nor shall it pass through the POTW or interfere with the POTW.

b. Animal and vegetable (polar) O&G not greater than 300 mg/l;

c. Discharge of the following Pollutants of Concern (POC's) above Local Limits:

Pollutant	Local Limit
Iron	1.0 mg/l as a monthly average
Lead	5.0 mg/l as a monthly average
Silver	5.0 mg/l as a monthly average
Arsenic	5.0 mg/l as a monthly average
Benzene	5.0 mg/l as a monthly average
Phenols	1.0 mg/l as a monthly average
Cadmium	0.10 mg/l as a monthly average
Zinc	5.0 mg/l as a monthly average
Chromium	5.0 mg/l as a monthly average
Copper	5.0 mg/l as a monthly average
Aluminum	5.0 mg/l as a monthly average
Mercury	0.20 mg/l as a monthly average
Barium	10.0 mg/l as a monthly average
Nickel	5.0 mg/l as a monthly average
Selenium	1.0 mg/l as a monthly average
Boron	8.0 mg/l as a monthly average
Chloride	
Cyanide	
Ammonia, as N	
Nitrite + Nitrate, as N	
Phosphorus	
Fluoride	
Diazinon	
Calcium	
Magnesium	

d. Discharge of wastewater that:

   a. Contains solids that will not pass through a 20 per square inch mesh;

   b. Has a temperature greater than 104 degrees Fahrenheit;

   c. Has an alkalinity that is greater or less than 10% of source water;

Part 3: Monitoring and Reporting Requirements

1. General Monitoring Requirements

a. The Manager may require any User to monitor wastewater discharge and submit monitoring reports to the District, at a frequency specified by the District.

b. The User shall comply with all monitoring requirements specified in this Permit or otherwise required, in writing, by the District.

c. Flow monitoring and sampling equipment may be required and shall comply with all applicable provisions of this Permit and the Malaga Code.

d. If required, laboratory analysis of industrial wastewater samples shall be performed in accordance with the approved test procedures specified in 40CFR136 unless otherwise authorized, in writing, by the District.

e. If required, all samples must be collected, preserved, and analyzed in accordance with the procedures established in 40 CFR Part 136, and amendments.

f. If required, the User shall have an automated sampler that shall be maintained in accordance with manufacturer's recommendations, shall be cleaned once per month when in use, and samples shall be maintained at 4.0°C (±2.0°C).

g. If required, the User shall operate and maintain an effluent flowmeter, have it electronically calibrated annually and hydraulically calibrated every three years by a recognized professional in flowmeter testing and repair, and provide proof of calibration to the District prior to July 31 annually.

h. If required, continuous on-line monitoring equipment shall be maintained and calibrated in accordance with manufacturer's specifications.

i. If required, to install, operate and maintain at User's cost and expense an automatic, permanent wastewater flow monitoring system approved by the District which provides a primary flow measuring device, indication, recording and totalizing of flow and a signal generating device that can be used to activate the District's and other automatic samplers.

j. If required, to install, operate and maintain at User's cost and expense an automatic wastewater sampling system approved by the District which provides a flow proportional composite sample, a sample volume of not less than two liters, refrigerated storage and self-purging capability.

k. If required, to install, operate and maintain at User's cost and expense an automatic pH recording system approved by the District which provides a pH recording instrument and a pH probe located downstream of all Pretreatment operations and just before discharge to the sewage system.

l. If required, to install, operate and maintain at User's cost and expense a batch pH neutralization system approved by the District which provides a storage facility for wastewater of pH less than 6.0 or greater than 9.0, a pH measuring device, neutralizing agent and a permanently bound record of pH neutralization before discharge to the sewage system.

m. If required, to install, operate and maintain at User's cost and expense an automatic pH recording and control system approved by the District which provides a pH recording instrument, a pH probe located downstream of all Pretreatment operations and just before discharge into the sewage system, storage for a neutralizing agent, a neutralization chamber, a continuous neutralizing agent injection system activated by pH level and adequate agitation.

2. Specific Monitoring and Sampling Requirements

Individual User monitoring and sampling requirements may be required and shall be attached to this permit by separate sheet.

a. The user may be required to monitor the following parameters:

    1. Flow and/or cumulative quantity of receiving water
    2. Flow and/or cumulative quantity of discharge water
    3. Discharge flow temperature, pH, and EC.

b. The User may be required to monitor parameters and Pollutants of Concern (POC's) listed below.

    1. pH
    2. Settleable Solids (SS) and Total Suspended Solids (TSS)
    3. BOD (5 day)
    4. Electro-conductivity (EC)
    5. Ammonia, as N
    6. Nitrite + Nitrate, as N
    7. Oil and Grease (HEM-polar)
    8. Oil And Grease (Petroleum-non polar)
    9. Alkalinity
    10. Hardness
    11. Calcium
    12. Magnesium
    13. Boron
    14. Chloride
    15. Cyanide
    16. Phosphorus
    17. Fluoride
    18. Diazinon
    19. Iron
    20. Lead
    21. Silver
    22. Arsenic
    23. Benzene
    24. Phenols
    25. Cadmium
    26. Zinc

27. Chromium
28. Copper
29. Aluminum
30. Mercury
31. Barium
32. Nickel
33. Selenium

The User may be required to monitor Priority Pollutants listed below. In lieu of monitoring for Priority Pollutants, the User may submit a toxic organics management plan (TOMP) to the District for approval. Preparation of the TOMP must be done in accordance with EPA regulations and approved by the District. If approved, the User may submit the certification statement as set forth in Part 3.5.a of this Permit. If the User fails to certify, sign, and submit the certification statement, the User will be required to conduct Priority Pollutant monitoring.

Appendix A to 40 CFR, Part 423--126 Priority Pollutants

001 Acenaphthene
002 Acrolein
003 Acrylonitrile
004 Benzene
005 Benzidine
006 Carbon tetrachloride (tetrachloromethane)
007 Chlorobenzene
008 1,2,4-trichlorobenzene
009 Hexachlorobenzene
010 1,2-dichloroethane
011 1,1,1-trichloreothane
012 Hexachloroethane
013 1,1-dichloroethane
014 1,1,2-trichloroethane
015 1,1,2,2-tetrachloroethane
016 Chloroethane
018 Bis(2-chloroethyl) ether
019 2-chloroethyl vinyl ether (mixed)
020 2-chloronaphthalene
021 2,4, 6-trichlorophenol
022 Parachlorometa cresol
023 Chloroform (trichloromethane)
024 2-chlorophenol
025 1,2-dichlorobenzene
026 1,3-dichlorobenzene
027 1,4-dichlorobenzene
028 3,3-dichlorobenzidine
029 1,1-dichloroethylene
030 1,2-trans-dichloroethylene
031 2,4-dichlorophenol
032 1,2-dichloropropane
033 1,2-dichloropropylene (1,3-dichloropropene)
034 2,4-dimethylphenol
035 2,4-dinitrotoluene
036 2,6-dinitrotoluene
037 1,2-diphenylhydrazine
038 Ethylbenzene
039 Fluoranthene
040 4-chlorophenyl phenyl ether
041 4-bromophenyl phenyl ether
042 Bis(2-chloroisopropyl) ether
043 Bis(2-chloroethoxy) methane
044 Methylene chloride (dichloromethane)
045 Methyl chloride (dichloromethane)
046 Methyl bromide (bromomethane)
047 Bromoform (tribromomethane)
048 Dichlorobromomethane
051 Chlorodibromomethane
052 Hexachlorobutadiene
053 Hexachloromyclopentadiene
054 Isophorone
055 Naphthalene
056 Nitrobenzene
057 2-nitrophenol
058 4-nitrophenol
059 2,4-dinitrophenol
060 4,6-dinitro-o-cresol
061 N-nitrosodimethylamine
062 N-nitrosodiphenylamine
063 N-nitrosodi-n-propylamin
064 Pentachlorophenol
065 Phenol
066 Bis(2-ethylhexyl) phthalate
067 Butyl benzyl phthalate
068 Di-N-Butyl Phthalate
069 Di-n-octyl phthalate
070 Diethyl Phthalate
071 Dimethyl phthalate
072 1,2-benzanthracene (benzo(a) anthracene
073 Benzo(a)pyrene (3,4-benzo-pyrene)
074 3,4-Benzofluoranthene (benzo(b) fluoranthene)
075 11,12-benzofluoranthene (benzo(b) fluoranthene) 076 Chrysene
077 Acenaphthylene
078 Anthracene
079 1,12-benzoperylene (benzo(ghi) perylene) 080 Fluorene
081 Phenanthrene
082 1,2,5,6-dibenzanthracene (dibenzo(,h) anthracene)
083 Indeno (,1,2,3-cd) pyrene (2,3-o-pheynylene pyrene)
084 Pyrene
085 Tetrachloroethylene
086 Toluene
087 Trichloroethylene
088 Vinyl chloride (chloroethylene)
089 Aldrin
090 Dieldrin
091 Chlordane (technical mixture and metabolites)
092 4,4-DDT
093 4,4-DDE (p,p-DDX)
094 4,4-DDD (p,p-TDE)
095 Alpha-endosulfan
096 Beta-endosulfan
097 Endosulfan sulfate
098 Endrin
099 Endrin aldehyde
100 Heptachlor
101 Heptachlor epoxide (BHC-hexachlorocyclohexane)
102 Alpha-BHC
103 Beta-BHC
104 Gamma-BHC (lindane)
105 Delta-BHC (PCB-polychlorinatedbiphenyls)
106 PCB-1242 (Arochlor 1242)
107 PCB-1254 (Arochlor 1254)
108 PCB-1221 (Arochlor 1221)
109 PCB-1232 (Arochlor 1232)
110 PCB-1248 (Arochlor 1248)
111 PCB-1260 (Arochlor 1260)
112 PCB-1016 (Arochlor 1016)
113 Toxaphene
114 Antimony
115 Arsenic
116 Asbestos
117 Beryllium
118 Cadmium
119 Chromium
120 Copper
121 Cyanide, Total
122 Lead
123 Mercury
124 Nickel
125 Selenium
126 Silver
127 Thallium
126 Silver
128Zinc
1292,3,7,8-tetrachloro-dibenzo-p-dioxin (TCDD)

3. Reporting Requirements

a. The District may require any User to submit monitoring reports in a format and at a frequency specified by the General Manager. The User shall comply with all reporting requirements specified in this Permit or otherwise required, in writing, by the District and all monitoring and reporting requirements of the Malaga Code.

b. All Users subject to Federal categorical pretreatment standards shall comply with all applicable reporting requirements specified in 40CFR403.12.

c. The User shall immediately notify the District prior to any new or changed discharge, and shall immediately notify the District (phone 559-485-7353) of any wastewater discharge which is not in compliance with the Permit or the Malaga Code, or which might be reasonably judges to constitute a hazard to District personnel, the wastewater treatment system, or the environment.

d. User shall immediately notify the District of any changes that occur at the facility affecting the potential for a Slug Discharge so that the POTW may reevaluate the need for a Slug Control Plan or other actions to prevent such Discharges.

e. The User shall provide a site plan showing the location of all wastewater treatment facilities (grease traps, sand separators, etc.)

f. User shall monitor grease traps weekly and record scum and solids levels.

g. Users shall maintain a District approved hazardous waste inventory accounting system which includes a bound log book containing permanent entries that account, either by mass or by volume, for the disposition of substances prohibited by the Malaga Code or this Permit.

h. Users shall keep waste hauler reports on file for a period of three years.

i. User shall maintain a manifest from all trucks washed at a truck wash facility. A copy of the manifest shall be submitted to the District on demand to confirm the contents of trucks washed out.

j. Users shall maintain a log of all wastewater and solids removed from the premise, to include the destination of the hauled materials. Submit copies of the log on a quarterly basis to MCWD for the first year and annually thereafter.

k. Monitoring results obtained must be summarized and reported in a format acceptable to the District.

l. Reports for parameters with a continuous monitoring frequency must be submitted monthly. The reports are due within 15 days after the end of each calendar month.

m. Reports for parameters with a designated monitoring frequency must be submitted within 15 days after the reporting period.

n. All monitoring reports must indicate the nature and concentration of all pollutants in the effluent for which sampling and analysis were performed during the reporting period preceding the submission of each report, including measured maximum and average daily flows.

o. All reports required by this Permit must be submitted to the Malaga County Water District at the following address:

Malaga County Water District
Environmental Compliance Inspector
3580 S. Frank Street
Fresno, CA 93725

4. Recordkeeping.

Users subject to the reporting requirements of this Code shall retain, and make available for inspection and copying, all records of information obtained pursuant to any monitoring activities required by this Code, any additional records of information obtained pursuant to monitoring activities undertaken by the User independent of such requirements, and documentation associated with Best Management Practices established under this Code. Records shall include the date, exact place, method, and time of sampling, and the name of the person(s) taking the samples; the dates analyses were performed; who performed the analyses; the analytical techniques or methods used; and the results of such analyses. These records shall remain available for a period of at least three (3) years. This period shall be automatically extended for the duration of any litigation concerning the User or the District, or where the User has been specifically notified of a longer retention period by the General Manager, or his or her designee.

5. Certification Statements

a. The User is required to sign and submit the following certification statement if granted use of a Toxic Organic Management Plan in lieu of reporting Priority Pollutants:

"Based on my inquiry of the permit or persons directly responsible for managing compliance with the pretreatment standard for Priority Pollutants (PP's), I certify that, to the best of my knowledge and belief, no dumping of concentrated priority pollutant toxic organics into the wastewaters has occurred since filing of the last discharge monitoring report. I further certify that this facility is implementing the Toxic Organic Management Plan submitted to the Control Authority."

b. The User is required to sign and submit the following certification statement with all monitoring reports:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are signification penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

All reports required by this Permit must be submitted to the Malaga County Water District at the following address:

Malaga County Water District
Environmental Compliance Inspector
3580 S. Frank Street
Fresno, CA 93725

6. Annual Publication

As required by the Act, the District's Pretreatment Program, and the Malaga Code, a list of all industries which were in significant noncompliance of applicable federal pretreatment standards or other pretreatment requirements during the twelve (12) previous months shall be annually published by the District in the largest daily newspaper within its service area. Accordingly, the User is apprised that noncompliance with this permit may lead to an enforcement action and may result in publication of its name in an appropriate newspaper. For purposes of this provision, significant noncompliance is defined under 40 CFR 403.8 (f)(2)(vii).

Part 4: Other Conditions

1. Automatic Re-sampling

If the results of the User's wastewater analysis indicate that a violation of this Permit has occurred, the User must:

a. Inform the Malaga County Water District of the violation within 24 hours;

b. Repeat sampling and pollutant analysis and submit, in writing, the results of this second analysis within 30 days of becoming aware if the first violation;

c. Continue repeat sampling until it is determined that the violation has ceased.

Pursuant to the provisions of the Malaga Code, the District shall have the ability to sample and analyze any time the District deems appropriate.

2. Accidental Discharge and Reporting

The user must notify the Malaga County Water District immediately upon the occurrence of spills, including, but not limited to, accidental discharges, discharges of a nonroutine, episodic nature, a noncustomary batch discharge, slug loads or slug discharges, that might potential problems for the POTW, or spills that might enter the public sewer. During normal business hours the Malaga County Water District should be notified by telephone at 559-485-7353. The notification must include location of discharge; date and time of discharge; type of waste, including concentration and volume; and corrective actions taken. The User's notification of accidental release in accordance with this section does not relieve it of other reporting requirements that arise under local, state, or federal laws.

Within 5 days following an accidental discharge, the User shall submit to the District Malaga County Water a detailed written report. The report must specify:

a. Description and cause of the upset, slug load, or accidental discharge; the cause thereof; and the impact on the User's compliance status. The description should also include location of discharge and type, concentration, and volume of waste.

b. Duration of noncompliance, including exact dates and times of noncompliance and, if the noncompliance is continuing, the time by which compliance is reasonably expected to occur.

c. All steps taken or to be taken to reduce, eliminate, and/or prevent recurrence of such an upset, slug load, accidental discharge, or other conditions of noncompliance.

3. Pretreatment Systems

a. The District may require Users to install and operate at their own expense the following pretreatment systems:

1) A grease interceptor approved by the District which (a) prevents excessive grease and oil from entering the sewage system (b) provides at least 1250 gallons storage capacity, at least two compartments, baffles to retain floatable greases and oils and a sampling port and (c) excludes any Sanitary Wastewater from entering the interceptor.

2) A grit interceptor approved by the District which (a) prevents sand and settleable grit from entering the sewage system (b) provides a 30-minute detention time base on peak wastewater rate, a minimum capacity of 500 gallons, at least two compartments,

baffles to reduce wastewater velocity sufficiently to settle sand and grit and (c) excludes any sanitary wastewater from entering the interceptor.

b. Use of the following pretreatment systems shall not violate any portion of the Malaga Code nor inhibit wastewater treatment systems:

1) To operate and maintain any garbage grinders in a manner which prevents discharge of wastewater in violation of the Malaga Code.

2) To operate and maintain any water softening units in strict accordance with manufacturer's instructions and in a manner to minimize salts discharge into sewage system.

4. Removed Substances

a. Solids, sludges, filter backwash or other pollutants removed from wastewater in the course of pretreatment or the control of wastewater must be disposed of in accordance with section 405 of the Clean Water Act and Subtitles C and D of the Resource Conservation and recovery Act.

b. Removed Substances shall not be allowed to enter the sewer collection system, nor any storm drain, nor any outfall or drain which leads to a storm water collection system or a water catchment system intended for ground water recharge purposes.

c. Removed substances shall not be retained on the property of the User and shall be properly disposed of as indicated above.

5. Slug Discharge Control Requirements

The User is required to submit and implement a slug discharge control plan if directed by the District. Determination of the requirement for a slug discharge plan shall be made during an initial facility inspection by the District. If it is determined that due to batch discharge or plug flow the WWTF could be hydraulically or biologically overloaded, a slug discharge plan shall be developed and implemented. The slug discharge control plan must include, at a minimum, the following:

a. Description of discharge practices, including non-routine batch discharges.

b. Description of stored chemicals.

c. Procedures for immediately notifying the Malaga County Water District of slug discharges, including any discharge that would violate prohibition under 40CFR 403.5(b), with procedures for follow-up written notification within five days.

d. Procedure to limit any impact on maximum allowable head works loading of the WWTF.

e. Procedures to prevent adverse impact from accidental spills, including inspection and maintenance of storage areas, handling and transfer of materials, loading and unloading operations, control of plant site runoff, worker training, building of containment structures or equipment, measures for containing toxic organic pollutants, and measures and equipment for emergency response.

6. Compliance Schedule

Pursuant to the Enforcement Response Plan, the following levels of escalating enforcement and administrative citations have been established:

a. Warning Notice, and any associated Notices of Non-Compliance;

b. Notice of Violation, and any associated Notices of Non-Compliance;

c. Consent Order, and any associated Notices of Non-Compliance;

d. Compliance Order, and any associated Notices of Non-Compliance; and

e. Show Cause Order, and any associated Notices of Non-Compliance.

In the event of any notice or order for compliance, a schedule for compliance shall be included. The User is responsible to meet the schedule for compliance, and shall be penalized according to the provisions of the Enforcement response Plan for failing to do so.

No later than 14 days following the date of the notice or order, the user must submit to the Malaga County Water District a written report including, at a minimum, whether it complied with the increment of progress to be met on such date and, if not, the date on which it expects to comply with the increment of progress, the reasons for delay, and the steps being taken to return the project to the schedule established.

7. Potential Non-Compliance

The User must immediately inform the District in the event of the potential for non-compliance for any known reason. Failure to report the potential for non-compliance may result in a harsher penalty for a non-compliance event that was known to pre-exist.

Part 5: Special Conditions for Food Service Establishments (FSE's)

1. FSE's shall comply with all other portions of this permit and the Malaga Code.

2. Grinders shall not be used to mulch solid waste for disposal in the sewer system. Ordinary sink disposers are allowed so long as food solids are wiped from cookware and dishes before washing.

3. A grease trap is required to remove yellow grease and grease solids from wastewater. FSE's that do not produce oil and grease waste may apply for exception in writing. If approved by the District, this requirement can be waived but only by written permission from the District.

4. Grease traps shall be kept in operation at all times and cleaned regularly as required to prevent oil and grease from entering the sewer collection system.

5. Wastewater shall not bypass a grease trap when one is required.

6. Written records of oil and grease hauling shall be maintained by the FSE for inspection by the District at any time.

7. FSE's shall comply with the provisions of the Fats, Oil, and Grease (FOG) control plan contained in the Malaga Code.

Part 6: Special Conditions for Truck Washes

1. Truck washes shall comply with all other portions of this permit and the Malaga Code.

2. Wastewater from the truck wash facility shall not cause any of the following effects to the sewer collection system or have the following characteristics:

    a. Build-up of solids such that wastewater flows slower than 2 feet per second in the collection system;

    b. Foaming of wastewater;

    c. Discoloration of wastewater;

    d. A pH of less than 6.0 or greater than 9.0 at any time;

    e. An electro-conductivity reading in excess of 950 u-ohm/cm at any time;

3. Solids shall not be washed from a truck tank that cannot pass through a size 20 mesh per square inch filter directly into the sewer collection system.

4. Truck tanks must be emptied prior to washing with no noticeable residue of prior contents.

5. Truck washes shall maintain a manifest of tanker trucks and inter-modal tank containers washed that includes the following information at a minimum:

    a. Date and time the truck was washed
    b. Contents of the tank prior to washing

6. Reserved for truck washes that may be subject to categorical limits:

Truck Washes involved in cleaning tank trucks and intermodal tank containers used to transport chemical or petroleum cargos are subject to EPA categorical pretreatment standards and are classified into the Transportation Equipment Cleaning (TEC) category. If identified as a TEC, the user may be required to submit monthly reports to address the following pollutants:

a. 40 CFR 442.11:	Maximum Daily Limit	Max. Monthly Ave
BOD	61 mg/L	22 mg/L
TSS	58 mg/L	26 mg/L
Oil and grease (HEM)	36 mg/L	16 mg/L
Copper	0.84 mg/L	-
Mercury	0.0031	-
pH	6-9	6-9
Non-polar material (SGT-HEM)	26	-

b. EPA Categorical Pretreatment Standard Pollutants:
    1) Fluoranthene
    2) Phenanthrene
    3) Cadmium
    4) Chromium Total
    5) Copper
    6) Lead
    7) Non-Polar O&G
    8) Mercury
    9) Nickel
    10) Zinc

c. Other pollutants (CAM metals):
    1) Antimony
    2) Arsenic
    3) Barium
    4) Berylium
    5) Cadmium
    6) Chromium
    7) Cobalt
    8) Copper
    9) Lead

10)Mercury
11)Molybdenum
12)Nickel
13)Selenium
14)Silver
15)Thallium
16)Vanadium
17)Zinc

7. Truck washes shall immediately report to the District any event that causes wastewater discharge to show the following characteristics:

a. Foaming;
b. Discoloration;
c. Noxious fumes;
d. Oil sheen;
e. Build-up of solids that flocculate or coagulate;
f. Build-up of solids that reduce flow;

8. Truck Washes shall provide written monthly reports to the District that contain the following information:

a. Date and time tanker trucks and intermodal tank containers were washed;
b. Contents of tanker trucks and intermodal tank containers that were washed;
c. Analysis of any wastewater discharge samples that were tested, whether required or not;
d. Reports of on-line metering equipment;
e. All incidences of item 7 above.

9. On-line monitoring equipment shall monitor pH and EC whenever wastewater is being discharged.

10. The District will perform in lieu, as described in 40 CFR 403.12 (h), the required compliance status reporting for truck washes identified as Significant Non-categorical Industrial Users. This report is required at least once every six months.

Part 7: Best Management Practices

Best management practices shall be adhered to according to the industry standards of the individual permit holder.

Best Management Practices Specific to Truck Washing Facilities

1. Only biodegradable detergents should be used for dirt removal.
2. Detergents should be labeled “phosphate free” and should have a neutral pH.
3. Avoid using cleaning solutions that contains chlorinated solvents, are highly acidic or highly alkaline, and contains petroleum products or distillates.
4. Use only the minimum amount of detergent to get the job done.
5. Chrome and aluminum brighteners should only be used if they are hand applied and wiped. Brighteners should not be part of the washing process.
6. Minimize the amount of wastewater generated by using high pressure and low volume washing techniques. Keep in mind to avoid paint chipping caused from too high of a pressure.
7. Prevent runoff by containing storm drains with containment booms, storm drain covers, and other barrier equipment.
8. Changing motor oil near wash bay areas should be prohibited.
9. Brushing shall not be done in conjunction with buckets of concentrated detergent.
10. Chemical drums must be in secondary containment.

Part 8: Failure to Meet Local Limits

Users that absolutely cannot meet the local limits due to their nature of discharge, after having installed best available pretreatment systems, are required to have their wastewater hauled off to another disposal site.

Attachment B

Pretreatment Budget FY-2015

MALAGA COUNTY WATER DISTRICT

Budget FY 2015-2016

Solid Waste and Pretreatment Revenue and Expenses

SOLID WASTE REVENUE	APPROVED FY 14/15	YR END EST. FY 14/15	PROPOSED FY 15/16
OPERATING:			
Solid Waste	63,800	**74,716**	**77,150**
TOTAL REVENUE:	**63,800**	**74,716**	**77,150**

SOLID WASTE EXPENSE	ACCT#	APPROVED FY 14/15	YR END EST. FY 14/15	PROPOSED FY 15/16
74000 COLLECTION				
Collection Contract	74060	72,700	72,283	72,300
Dumping Fees	74065	6,700	4,846	4,850
TOTAL SOLID WASTE:		**$ 79,400**	**$ 77,129**	**$ 77,150**

PRE-TREATMENT REVENUE	APPROVED FY 14/15	YR END EST. FY 14/15	PROPOSED FY 15/16
OPERATING:			
Pre-Treatment	224,000	56,371	60,000
TOTAL:	**224,000**	**56,371**	**60,000**

EXPENSES	ACCT#	APPROVED FY 14/15	YR END EST. FY 14/15	PROPOSED FY 15/16
77000/78000 PRE-TREATMENT COLLECTION:				
Salaries	77000	33,780	33,024	34,600
Materials	77100	15,000	16,743	15,000
Testing	78000	13,000	11,487	13,000
Utilities	78100	16,840	-	16,000
Local Limits Testing				52,500
Sub-Total:		**78,620**	**61,254**	**131,100**
79000 ADMINISTRATIVE & GENERAL:				
Salaries	79010	21,800	17,209	18,100
Employee Benefits	79020	16,900	22,674	22,700
FICA	79021	5,560	6,846	6,800
Unemployemnt Insur	79022	2,000	1,159	1,160
Sick Leave	79025		-	-
Overtime	79026	1,100	953	1,000
Directors' Compnstn	79030	3,020	517	500
Directors' Benefits	79036	14,930	1,296	1,300
Election	79040	-	-	700
Gas-Fuel-Oil	79060	7,000	845	3,500
Insurance-Liability	79070	1,300	5,025	5,000
Memships-Dues-Subscp	79080	5,120	16,654	5,100
Office Supplies	79090	1,100	3,128	3,100
Contract Services	79110	23,800	24,408	1,000
Professional Services	79120	-	-	-
Accounting Services		500	1,002	1,000
Engineering Services*		28,000	1,612	26,000
Legal Services		19,200	50,710	9,200
Bartles & Wells			4,271	1,500
Rents/Leases	79140	4,300	1,508	3,000
Repair & Maint.	79150	-	3,115	1,000
Travel & Meetings	79170	3,000	561	1,000
Utilities	79190	-	-	-
Other	79200	6,000	5,507	5,500
Telephone	79206	1,200	2,517	2,500
Donations	79240	-	-	-
Schooling/Regist.	79220	2,000	1,100	1,100
Sub-Total:		**167,830**	**172,616**	**121,760**
TOTAL PRE-TREATMENT:		**$ 246,450**	**$ 233,869**	**$ 252,860**

Attachment C

Slug Discharge Evaluation

MALAGA COUNTY WATER DISTRICT

3580 SOUTH FRANK STREET - FRESNO, CALIFORNIA 93725
PHONE: 559-485-7353 - FAX: 559-485-7319

BOARD OF DIRECTORS

CHARLES E. GARABEDIAN JR	SALVADOR CERRILLO	IRMA CASTANEDA	FRANK CERRILLO JR	CARLOS TOVAR JR.
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JIM ANDERSON- **GENERAL MANAGER**

Slug Evaluation Certification

Malaga County Water District
WDR Order R5-2014-0145
NPDES No. CA0084239
3749 South Maple Avenue
Fresno, California

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7. Attachment A: 2016 List of Permit Holders
8. Attachment B: SIU Inspection Checklist
9. Attachment C: Slug Assessment Form
10. Attachment D: Example Slug Assessment Form for Nondomestic Users
11. Attachment E: MCWD Slug Discharge Control Plan
12. Attachment F: Written Response Form

1. Task Description

Task 3a: Submit certification that the Discharger has adequately evaluated all nondomestic users for the need to develop a slug discharge control plan, and how the Discharger will ensure, or has ensured, that the plans are developed where applicable. [Title 40, Code of Federal Regulations, 403.8(f)(2)(vi)]

Due Date: 1 February 2016

2. Slug Evaluation Summary and Certification

According to Title 40 Code of Federal Regulations 403.8(f)(2)(vi), Publicly Owned Treatment Works (POTWs) are required to "[e]valuate whether each such Significant Industrial User needs a plan or other action to control Slug Dischargers." With the establishment of the District's Pretreatment Program, the District has indeed adequately evaluated all Significant Industrial Users (SIUs) for the potential of having a slug discharge and for the need to develop a slug discharge control plan. Although the regulation 40 CFR 403.8(f)(2)(vi) does not mandate that all non-domestic users are required to be evaluated, the District went ahead and evaluated all non-domestic users for said criteria. The District determined that this supplemental action was significant in order to strengthen the Pretreatment Program and to protect the POTW from any adverse impacts that could potentially result from slug discharges. The District's Pretreatment Program took a rigorous and methodical approach in order to identify and adequately evaluate all potential slug dischargers. A wide range of activity resulted from this effort. The Environmental Compliance Inspector conducted inspections on local facilities and new forms to assess slug dischargers were designed to aid in this effort. Statistical data on local industries was analyzed as part of the systematic approach to the evaluation. To ensure that plans are developed where applicable, the District reinforced its comprehension and familiarity with the legal definition of a Slug. By understanding which factors contribute to a slug discharge, the District was able to achieve a high degree of confidence that pertinent industries were evaluated and that plans were developed where applicable.

In accordance to the requirement of 40 CFR 403.8(f)(2)(vi), it was determined that all SIUs within the District are not required to develop a slug discharge control plan. Additionally, the efforts taken by the District to evaluate all nondomestic users for the need to develop a slug discharge control plan has led to the conclusion that currently, to best of the District's knowledge, there are no nondomestic users that are they required to develop a slug discharge control plan.

Respectfully,

J. D. Anderson
J. D. Anderson
General Manager

3. Slug Definition and Applicability

To ensure that slug discharge control plans are developed where applicable, the District examined the technical definition of a slug in order to determine the basis and relevant search criteria for the evaluation process. Initially, this was a crucial step in identifying which factors constitutes a slug and which appropriate industries should be evaluated. According to 40 CFR 403.8(f)(2)(vi), a Slug Discharge is the following:

"Any Discharge of a non-routine, episodic nature, including but not limited to an accidental spill or a non-customary batch Discharge, which has a reasonable potential to cause Interference or Pass Through, or in any other way violate the POTW's regulations local limits or Permit conditions."

By examining this definition, the District determined that slugs can result from, but are not limited to, accidental spills, the handling and transferring of materials, discharge from the malfunctioning of flow controls, an abrupt volume discharge, and other various factors. With this understanding, the District developed a search criteria that included, but is not limited to, the following:

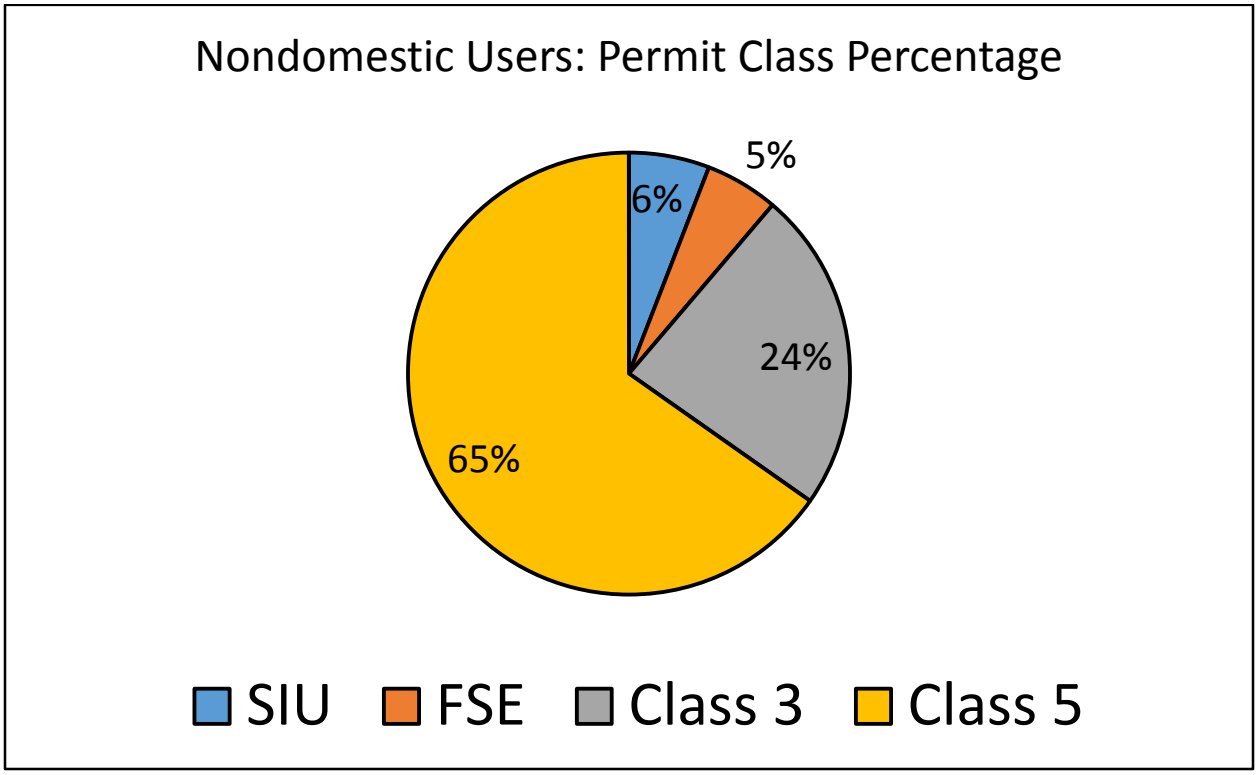
- Users with bulk amounts of chemicals on their property
- Holding tanks with a volume to potentially cause an adverse effect to the POTW
- Whether drains are present within storage areas
- If chemicals are contained and the type of chemicals stored
- How are materials handled
- Flow controls

This search criteria for evaluation enabled the District to accurately determine which nondomestic users to evaluate for the potentially to need a slug discharge control plan.

4. Statistical Data

According to the 2016 List of Permit Holders (Attachment A), there is a total of 187 confirmed nondomestic users operating within the District. This list was a product of a mass inspection on local industries conducted since the establishment of the Pretreatment Program. Of the 187 nondomestic users, sixty-five percent of them are identified as a Class 5 User. The District's Pretreatment Program identifies Class 5 Users as nondomestic users with no industrial type discharge. These Class 5 Users simply discharge domestic type waste and for the majority, is comprised merely of warehouses and offices. Thus, this sixty-five percent of nondomestic users were eliminated from the search pool due to the inapplicability for a slug. In addition, five percent of the total nondomestic users are classified as a Food Service Establishment (FSE). Past inspections on the FSE Users revealed no potential to cause adverse impacts to the POTW. Oil and grease loadings from FSEs were minimal and a slug of organic loading would be highly unlikely. Twenty-four percent of nondomestic users are registered with a Class 3 status. Of these Class 3 Users, there were Users that matched the search criteria and thus, qualified for a slug evaluation. Information gathered about these facilities during the mass inspection was used to make this determination. Most of the Users from this class were warehouses that engaged in

chemical blending, warehouses that store bulk amounts of chemicals, facilities that have containment structures, and facilities with pretreatment systems. Examples of Class 3 evaluations utilizing the Slug Assessment Form are attached to this report (see Attachment D). Lastly, all SIUs were evaluated for their potential to have slug discharges pursuant to 40 CFR 403.8(f)(2)(vi).



5. Slug Forms and Templates

After determining the search criteria for slug potential, the Pretreatment Program developed new forms that were designed to aid in the evaluation process. The Slug Assessment Form was developed to serve as a questionnaire with pertinent questions relating to the search criteria (see Attachment C: Slug Assessment Form). This form was used to evaluate the Class 3 nondomestic users. In addition, the District developed the Malaga County Water District Slug Discharge Control Plan, a template that would be used for Users who are required to have a plan (see Attachment E: MCWD Slug Discharge Control Plan Template). This template contains the elements that are required in a slug discharge control plan and was developed from the guidance of 40 CFR 403. Such elements include a description of discharge practices, a description of stored chemicals, procedures to immediately notify the POTW of Slug Discharges, and preventative procedures. Lastly, a Written Response Form was created to address the notification process in the event that a Slug Discharge should occur (see Attachment F: Written Response Form). The Written Response Form is a fillable document and would aid Users in the written response portion of the plan. It contains necessary reporting information regarding the deadline of five days to notify the POTW, contact information, slug specifications, and a description of the corrective actions taken.

6. SIU Evaluation

Each SIU was inspected using the inspection checklist of the District's Pretreatment Program. This checklist is the most extensive form that has been developed and is used to satisfy the pretreatment requirement for annual inspections of SIUs. The District has a total of eleven SIUs. All SIUs were determined to not need a slug discharge control plan. The following explanations below, in conjunction with Attachment B, provides more detailed information as to why a slug discharge control plan was not found applicable:

A. SIUs that discharge cooling tower water

1. Air Products and Chemicals, Inc.
The facility is operated by electronic controls and only one on-call employee (plant superintendent) manages the site. There are no drains within the premises and the ground is covered in gravel. The facility discharges cooling tower blowdown and condensation. All chemical holding tanks are enclosed in secondary containment (concrete wall) and there are no drains for spills to enter the sewer. Control set points for cooling tower blowdown are set well within permit limits. Thus, pollutants exceeding permit limit concentrations are highly unlikely to be discharged to the POTW. In addition, plant activity is continuously monitored by their headquarters. The on-call plant superintendent receives a call from headquarters in the event that any potential electronic malfunctions or plant irregularities occur. Alarms will trigger if discharge is not within range of parameter set points and the system will shut down by closing the discharge valves.

2. Rio Bravo
Like other facilities with cooling towers, Rio Bravo operates their cooling towers through electronic controls with set points that are monitored by probes. All chemical holding tanks are in secondary containment. The facility has an oil pit with an oil & water separator. There are drains for the oily wastewater generated from their boilers. These drains are all linked to the oil pit where it proceeds to the oil & water separator and ultimately to the sanitary lift station. The chances of the oil pit overflowing is highly unlikely. The area is continuously maintained and oil waste is hauled offsite by a third party.

3. PPG Industries
Cooling tower blowdown is regulated through an electronic system where a set point for EC and pH regulates the opening and closing of valves for which blowdown occurs. The set point is set so that it is well below their permit limit. The facility is a continuous discharger and volume does not affect the potential for slug loads. Chemicals are stored in a separate area of the facility with no sewer access points.

4. Westrock, CP LLC

The facility is designed such that all drains within the property are tied to one central location, the equalization tank. Should the equalization tank overfill for any reason, the trough located directly below the tank will collect any excess wastewater. This trough is linked to a pump that can recirculate wastewater back into the equalization tank. It is highly unlikely that wastewater levels in the tank will ever reach the top of the tank. Thus, the potential for a slug is highly unlikely. Cooling tower blowdown is the only type of wastewater the District receives. Like other facilities with cooling towers, discharge is controlled electronically through a computerized system. The set points for EC and pH are within permit limits. If the system malfunctions for any reason, an alarm will signal and the valves will remain shut.

B. SIUs that wash trucks

1. Lester Lube dba Fresno Truck Wash

All chemicals and detergents are stored in a separate enclosed room which makes it highly unlikely for a chemical spill to enter nearby drains. The detergent solution is ejected into the pressure washer via exiting pipes. Flow is regulated via a float switch but like all truck washing facilities, the discharger is a continuous discharger. There is no potential for a sudden and abnormal discharge. There is a pretreatment system and the drains within the area recirculate wastewater back into the initial stages of treatment. Manifests are monitored prior to washing.

2. Fifth Wheel Truck Wash

All detergent drums are stored outside of the washing bay and is enclosed in a metal bin. The drums located inside the washing bay are the diluted solutions that they use to wash trucks with. There are no pretreatment systems and no controls to regulate flow. Wash-down wastewater is channeled to a central drain. The SIU discharges continuously and there is no potential for a sudden and abnormal discharge.

3. Speedy Truck Wash

The wash bay has channels that divert wastewater to the pretreatment system. The facility have chemical drums that are stored distant from the washing process. However, if a spill were to take place, it is possible for the chemicals to enter the channels. The discharger is a continuous discharger and a float device in the pretreatment system regulates flow. Chemical drums are less than 55 gallons.

4. Imperial Truck Wash

Chemical drums are no greater than 55 gallons in volume. Drums are stored distant from the washing process. There are no pretreatment systems and flow is not regulated in any manner. All wash-down wastewater is collected in a central trough that is linked to the manhole.

C. Batch Dischargers

1. SFPP LP (Kinder Morgan)
All drains within the pretreatment area and the loading pads are linked to the oil & water separator. The pretreatment area drains is capable of recirculating any excess wastewater to the oil & water separator. The tank to which the wastewater is stored has an alarm system that triggers when the flow level is reaching the maximum capacity of the tank. The signal is received by control room that is in operation 24 hours a day. Should more capacity is needed, there is another tank called the "trans-mix tank" that they can use. A valve is manually turned to release discharge.

2. Sterling Coating (Georgia-Pacific Corrugated III)
The facility has a pretreatment system that is comprised of two 1,600 gallon tanks. Flow is controlled via a float switch. The discharge pipe is located above the final barrel and loops around the ceiling of the building. Chemicals are handled manually and monitoring is manually done with the exception of pH. There are no drains that can lead to the sewer. Spill control and response equipment are available.

3. Stratas Foods
All drains within the packaging area is linked to the oil pit where it is treated prior to discharge. The contents within the oil pit is released when parameters and set points are met. Release of discharge is done via a button on the control panel and discharge cannot release on its own. Recirculation of the oil pit is possible and an alarm triggers when limits are reached.

Attachment A: 2016 List of Permit Holders

Permit #	Account #	Permit Holder	Address	ESU	Class
1001	020	RockTenn CP, LLC	3366 E. Muscat Ave., Fresno, CA 93725	203	1
1005	005	Rio Bravo-Fresno	3350 S. Willow Ave., Fresno, CA 93725	223	1
1008	024	Stratas Foods	3390 S. Chestnut Ave., Fresno, CA 93725	452	1
1025	055/055-1	Kinder Morgan/Santa Fe Pacific Pipeline	4149 S. Maple Ave., Fresno, CA 93725	17	1
1038	008	PPG Industries	3333 S. Peach Ave., Fresno, CA 93725	229	1
1095	046	Lester Lube Inc. dba Fresno Truck Wash	4170 S. Bagley Ave., Fresno, CA 93725	51	1
1098	029-1/033	Speedy Truck Wash	3846 S. Front/3200 E. Central Fresno, CA 93725	9	1
1140	008	Air Products & Chemical Inc.	3333 S. Peach Ave., Fresno, CA 93725	37	1
1205	022-4	Imperial Truck Wash	2635 E. North Ave., Fresno, CA 93725	10	1
1160	122-2	Fifth Wheel Truck Wash	3767 S. Golden State Blvd., Fresno, CA 93725	10	1
1004	004	Custom Ag Formulators	3430 S. Willow Ave., Fresno, CA 93725	3	3
1009	011-2	Monterey Chemical DBA Brandt Consolidated	3654 S. Willow Ave., Fresno, CA 93725	26	3
1018	032	Snowden Enterprises Inc.	3257 E. Central Ave., Fresno, CA 93725	1	3
1020	036	Potigian Transfer Inc.	4041 S. Golden State Blvd., Fresno, CA 93725	3	3
1021	044	Coca-Cola Refreshments/Pace Global Energy	3220 E. Malaga Ave., Fresno, CA 93725	28	3
1022	045	EM Tharp dba Golden State Peterbuilt	2645 S. Chestnut Ave., Fresno, CA 93725	13	3
1026	061	Fresno Truck Center	2727 E. Central Ave., Fresno, CA 93725	26	3
1030	076-1	Wholesale Equipment of Fresno	3183 S. Golden State Blvd., Fresno, CA 93725	6	3
1036	053/054	Robert V. Jensen Inc.	4021 S. Maple Ave., Fresno, CA 93725	18	3
1046	085/087	Meeder Eq.Co/Ransome MFG	3495 S. Maple Ave., Fresno, CA 93725	9	3
1057	111-1	Fresno Pool Chlor Inc.	3036 E. Malaga Ave., Fresno, CA 93725	2	3
1058	112/112-1	Penske Truck Leasing/NICS/Penske	3080 E. Malaga Ave., Fresno, CA 93725	16	3
1060	116	Cap's Sandblasting	4460 S. Chestnut Ave., Fresno, CA 93725	2	3
1061	121	Kroeker Inc.	4627 S. Chestnut Ave., Fresno, CA 93725	15	3
1062	051/052/058	Paul Evert's RV Country	3633 S. Maple Ave., Fresno, CA 93725	26	3
1064	013-A	Brenntag Pacific Inc.-Pacific Inc.	3595 E. Wawona Ave., Fresno, CA 93725	13	3
1067	042-3	Valley Truck Parts	3395 E. Malaga Ave., Fresno, CA 93725	7	3
1073	063-064	J. Blue dba Central Carwash	3864 S. Chestnut Ave., Fresno, CA 93725	12	3
1074	012	Monterey Chemical	3594 E. Wawona Ave., Fresno, CA 93725	23	3
1078	040-1	Greentec	3396 E. Malaga Ave., Fresno, CA 93725	4	3
1081	014-1/2	J.P. Lamborn	3663 E. Wawona Ave., Fresno, CA 93725	15	3
1089	088	Fresno Truck Wrecking Inc.	3536 S. Maple Ave., Fresno, CA 93725	2	3
1090	042-2	G and H Diesel Service	3304 E. Malaga Ave., Fresno, CA 93725	5	3
1094	076-4A	Stantec Consulting Corp.	3281 S. Maple Ave., Fresno, CA 93725	2	3
1100	046-2	Central California Truck	4244 S. Bagley Ave., Fresno, CA 93725	1	3
1101	107	Roger's Truck Sales & Service	4312 S. Chestnut Ave., Fresno, CA 93725	1	3
1102	050	Stiers RV Center	3672 S. Maple Ave., Fresno, CA 93725	3	3
1104	095	Dewey Pest Control	3655 S. Bagley Ave., Fresno, CA 93725	3	3
1106	056	RV Mall	2448 E. Central Ave., Fresno, CA 93725	3	3
1108	119/119-1	Western States Glass	2773/2775 E. Malaga Ave., Fresno, CA 93725	7	3
1111	059	Country Tire & Wheels	2462 E. Central Ave., Fresno, CA 93725	1	3
1112	008-0-A/B	Conway Transportation Services	4195 E. Central Ave., Fresno, CA 93725	11	3
1114	018	Georgia -Pacific Corrugated (Sterling Coating)	3630 E. Wawona Ave. #104, Fresno, CA 93725	13	3
1123	046-1	Vucovich Inc. dba Fresno Equipment Co.	4288 S. Bagley Ave., Fresno, CA 93725	20	3
1124	118	Kasco Fab Inc.	4529 S. Chestnut Ave., Fresno, CA 93725	2	3
1133	041	Best Tours And Travel	3397 E. Malaga Ave., Fresno, CA 93725	8	3
1139	024-3	Brenntag	3305 S. Chestnut Ave., Fresno, CA 93725	3	3
1142	015/016	Monterey Agresources	3744 E. Wawona Ave., #A/C Fresno, CA 93725	8	3
1151	091/091-1	Quinn Rentals Services	3594 S. Bagley Ave., Fresno, CA 93725	3	3
1158	120-1	Fresno Specialized Development	4646 S. Chestnut Ave., Fresno, CA 93725	10	3
1162	047-1	JTS Truck Repair	3054 Cartwright, Fresno, CA 93725	1	3
1169	097-1	Diesel Technology	3689 S. Bagley Ave., Fresno, CA 93725	2	3
1188	011.4A	Oro Agri Inc.	3816 S. Willow #101, Fresno, CA 93725	1	3
1196	120	United Parcel Service	4587 S. Chestnut Ave., Fresno, CA 93725	7	3
1027	062	Kailey Fuels (AM PM)	4025 S. Chestnut Ave., Fresno, CA 93725	7	4
1052	102	Central Food Mart	2990 E. Central Ave., Fresno, CA 93725	21	4
1053	104/105	Brooks Ranch Restaurant	4131 S. Chestnut Ave., Fresno, CA 93725	47	4
1087	103-1	Salud Ayala-Bar	2892 E. Central Ave. Fresno, CA 93725	1	4
1118	030	Primo's Market	3145 E. Olney Street, Fresno, CA 93725	2	4
1132	049.1	Jack In The Box	3085 E. Central Ave., Fresno, CA 93725	8	4
1159	035-2B	Taqueria Jalisciense	3121 E. Central Ave., Fresno, CA 93725	2	4
1161	122	Punjabi Dhaba (indian cuisine)	3767 S. Golden State Blvd., Fresno, CA 93725	9	4
1163	035-2A	Sai Baba/Subway	3115 E. Central Ave., Fresno, CA 93725	8	4
1160	123	SJZ Truck Stop	3767 S. Golden State Blvd., Fresno, CA 93725	5	4
1003	002	Headwater Resources	3440 S. Willow Ave., Fresno, CA 93725	10	5
1006	097	(Goodyear) Wingfoot Commercial Tire Systems Inc.	3708 S. Bagley Ave., Fresno, CA 93725	5	5
1007	007-A-1	Eli Lilly C/O Trammel Crow Co.	3131 S. Willow Ave., Fresno, CA 93725	1	5
1010	007-10A	OE Lighting	3359 E. North, Suite #101 Fresno, CA 93725	1	5

1011	007-15A	Cequent Performance Products	3181 S. Willow Suite #104, Fresno, CA 93725	1	5
1012	022	Inland Star Distribution Center, LLC	3146 S. Chestnut Ave., Fresno, CA 93725	26	5
1013	023/023-1	Crop Production Service Inc.	3173 S. Chestnut Ave., Fresno, CA 93725	4	5
1014	024-2	Derrel's Mini Storage	3245 S. Chestnut Ave., Fresno, CA 93725	4	5
1015	025	Continental Auto Dismantlers (A1 auto wrecking)	3465 S. Chestnut Ave., Fresno, CA 93725	4	5
1016	026	SA Recycling, LLC	3489 S. Chestnut Ave., Fresno, CA 93725	5	5
1017	007-17	New Flyer Industries	3181 S. Willow Suite #102, Fresno, CA 93725	1	5
1019	007-2	American Cartage Co.	3150 S. Willow Ave, Fresno, CA 93725	3	5
1024	007-3	XSE Group	3149 S. Willow Suite #101, Fresno, CA 93725	1	5
1028	065	Central Cal Transport	3032 E. Central Ave., Fresno, CA 93725	5	5
1029	073	Lupe Cedillo/Lupe's Auto Repair	3411 S. Golden State Blvd., Fresno, CA 93725	2	5
1031	076-3	Anyway Logistics Inc.	3021 S. Golden State Blvd., Fresno, CA 93725	1	5
1032	078	Bruno's Use Materials	2373 E. Muscat Ave., Fresno, CA 93725	3	5
1033	084	SS Truck & Trailer Repair	3490 S. Maple Ave., #B, Fresno, CA 93725	1	5
1035	008-A	Europa Sports	4403 E. Central Ave., Fresno, CA 93725	1	5
1037	008-J	APF Motorcycle Salvage	3967 E. Central Ave., Fresno, CA 93725	1	5
1039	076	Bruno's Use Materials	3211 S. Golden State Blvd., Fresno, CA 93725	3	5
1040	080	Meeder Eq.Co/Ransome MFG	2365 E. Muscat Ave., Fresno, CA 93725	4	5
1041	087-3, 089, 090	Safety Kleen Systems, Inc.	3561 S. Maple Ave., Fresno, CA 93725	5	5
1042	094-1	Sportsmobile West	3631 S. Bagley Ave., Fresno, CA 93725	2	5
1043	117	RLR Investments	4477 S. Chestnut Ave., Fresno, CA 93725	7	5
1045	092	Interstate Oil	3609 S. Bagley Ave., Fresno, CA 93725	2	5
1047	094-3	Brothers Wholesale Glass	3680 S. Bagley Ave., Fresno, CA 93725	3	5
1048	096	Javette Truck & Tractor	3667 S. Bagley Ave., #101 Fresno, CA 93725	1	5
1049	097-2	Air Liquide America	3703 S. Bagley Ave., Fresno, CA 93725	1	5
1050	011.4D	AWR	3816 S. Willow Ave., #104 Fresno, CA 93725	1	5
1051	101	Pape Materials Handling/Hyster Sales Co.	3732 S. Bagley Ave., Fresno, CA 93725	5	5
1054	106	Evans Rebuilt Parts	4321 S. Chestnut Ave., Fresno, CA 93725	2	5
1055	011-3-1	Bay Insulation	3878 S. Willow Ave., #103, Fresno, CA 93725	1	5
1056	111-A	Chrisp Co.	3049 E. Malaga Ave., Fresno, CA 93725	2	5
1059	115	Jose's Auto Repair	4436 S. Chestnut Ave., Fresno, CA 93725	2	5
1063	001	Group Warehouse Inc.	3550 S. Willow Ave., Fresno, CA 93725	9	5
1065	098	San Mac Properties (rewind tech)	3711 S. Bagley Ave., Fresno, CA 93725	1	5
1066	011-3-4	MacArthur Company	3878 S. Willow Ave., #102, Fresno, CA 93725	1	5
1068	011-6A	DMI (supply network)	3825 S. Willow Ave., #103, Fresno, CA 93725	1	5
1069	035	Calpine Containers	3191 E. Central Ave., Fresno, CA 93725	5	5
1070	076-5**	Pick-A-Parts Auto Wrecking	2274 E. Muscat Ave., Fresno, CA 93725	22	5
1071	068	Turning Point of Central California	3547 S. Golden State Blvd., Fresno,CA 93725	32	5
1072	067	Fresno Truck Service	3599 S. Golden State Blvd., Fresno, CA 93725	5	5
1075	126	Malaga Elementary School	3910 S. Ward Street, Fresno, CA 93725	40	5
1076	029	Los Dos Amigos	3686 S. Front Street, Fresno, CA 93725	1	5
1077	039A	Ruckstell	3399 E. Malaga Ave., Fresno, CA 93725	2	5
1079	099	R. Flake Recycling Inc. (J's Comm and Valley Rubber)	3733 S. Bagley Ave., Fresno, CA 93725	2	5
1080	007-16A	Tire Centers LLC	3181 S. Willow Suite #101, Fresno, CA 93725	1	5
1082	017	Monterey Chemical	3744 E. Wawona Ave., #B, Fresno, CA 93725	1	5
1083	019	Pacific Grain & Foods	3630 E. Wawona Ave. #101, Fresno, CA 93725	1	5
1084	047	Baart Healthcare	3103 E. Cartwright Ave., Fresno, CA 93725	6	5
1085	114	Big Bear Phantom Fireworks	2777 E. Malaga Ave., Fresno, CA 93725	1	5
1086	037	Garcia's Pallets Inc.	4227 S. Golden State Blvd., Fresno, CA 93725	4	5
1091	024-4	B.P. Precision	3385 S. Chestnut Ave., Fresno, CA 93725	4	5
1092	026-1	Cemex	3427 S. Chestnut Ave., Fresno, CA 93725	2	5
1093	027-1	Christ The King Church	3565 S. Calvin Street, Fresno, CA 93725	1	5
1096	027-2	Martha Shubin (advanced raingutters)	3439 S. Chestnut Ave., Fresno, CA 93725	1	5
1097	032-3-A	Human Scale	3371 E. Central Ave., Fresno, CA 93725	2	5
1103	003/003-1/019	GAF Materials Corp.	3441 S. Willow Ave., Fresno, CA 93725	18	5
1107	006	Weyerhaeuser Corp.	3267 S. Willow Ave., Fresno, CA 93725	4	5
1109	110-1	EMV Inc.	3035 E. Malaga Ave., Fresno, CA 93725	4	5
1110	008-G/008-H	Broder Brothers	4247 S. Minnewawa Ave. #104 Fresno, CA 93725	20	5
1113	108	G.I. Trucking Co.	4355 S. Chestnut Ave., Fresno, CA 93725	6	5
1115	060	Westco Equities/Flamingo Mobilehome	2581 E. Central Ave., Fresno, CA 93725	71	5
1116	060-1	Cal Trans-Dept of Trans	Highway 99 and Malaga Ave.	5	5
1119	101-0	Applied Industrial Tech	3751 S. Bagley Ave., Fresno, CA 93725	4	5
1120	011-1-A/C	Bunzl Processor Fresno	3722 S. Willow Ave. #106, Fresno, CA 93725	2	5
1121	007-1	American Warehouse Co. Inc.	3150 S. Willow Ave., Fresno, CA 93725	7	5
1122	086	Jorge Mendez/J auto glass?/Jose diesel repair?	3486 S. Maple Ave., Fresno, CA 93725	3	5
1126	011-3-3	Integrated Supply Network	3878 S. Willow Ave.,#101 Fresno, CA 93725	1	5
1127	084-1	Weldon Bash	3419 S. Maple Ave., Fresno, CA 93725	1	5
1130	085-1	Montes Auto Glass	3435 S. Maple Ave., Fresno, CA 93725	1	5
1131	044-1	All Mechanical Service Inc.	3237 E. Malaga Ave., Fresno, CA 93725	1	5

1134	087-2	Frontier Performance Lubricants	3517 S. Maple Ave., Fresno, CA 93725	1	5
1136	101-1	Big W Sales	3766 S. Bagley Ave., Fresno, CA 93725	1	5
1137	010-1A	Primesource Building Products	3555 S. Willow Ave., Fresno, CA 93725	2	5
1138	010-0	RockTenn	3695 S. Willow Ave., Fresno, CA 93725	1	5
1141	024-3-A	Universal Coatings	3373 S. Chestnut Ave., Fresno, CA 93725	1	5
1144	007-4A	Dynamex	3421 E. North Suite #104,Fresno, CA 93725	1	5
1147	110	Radically Custom	4414 S. Chestnut Ave., Fresno, CA 93725	1	5
1148	007-5A/6A	Mercury Marine	3421 E. North Suite #103/101,Fresno, CA 93725	2	5
1149	008-E/F	Activision Publishing Inc.	4247 S. Minnewawa Ave., Fresno, CA 93725	8	5
1150	008-C/D	Pactiv LLC	4403 E. Central Ave., #104 Fresno, CA 93725	2	5
1152	011-3-2	Gould's Pump (Xylem Inc)	3878 S. Willow Ave., #104 Fresno, CA 93725	1	5
1154	032-3-B	Community Food Bank	3403 E. Central Ave., Fresno, CA 93725	4	5
1155	007-14-A	Sinclair Systems	3115 S. Willow Ave., Fresno, CA 93725	6	5
1156	022-1/2	American Tire Distributors	3064 S. Chestnut Ave., Fresno, CA 93725	30	5
1157	113	Plaza Concrete	3121 E. Malaga Ave., Fresno, CA 93725	1	5
1164	032-2A	Sabic Polymershapes	3311 E. Central Ave., Fresno, CA 93725	3	5
1166	011-5A	Move Loot (leasing form School Specialty)	3825 S. Willow Ave., #101, Fresno, CA 93725	2	5
1168	007-C	Hanser Music Group	3131 S. Willow Suite #102 Fresno, CA 93725	1	5
1170	011-4A	XPO Logistics (formerly New Breed Logistics)	3825 S. Willow Ave., #104, Fresno, CA 93725	4	5
1173	094-A	Del Ray Tire	3666 S. Bagley Ave., Fresno, CA 93725	2	5
1175	008-I	D and H Distributing	3701 S. Minnewawa Ave., Fresno, CA 93725	9	5
1176	098-1	Foster Poultry Farms	3717 S. Bagley Ave., Fresno, CA 93725	1	5
1177	036-1	Garcia's Pallets	4125 S. Golden State Blvd., Fresno, CA 93725	6	5
1178	007-3-A	Provide Commerce	3149 S. Willow Suite #102, Fresno, CA 93725	10	5
1182	007-11	Rotary Corp.	3359 E. North Suite #102, Fresno, CA 93725	1	5
1183	007-7/8/8A	Bodek & Rhodes	3395 E. North Ave, Fresno, CA 93725	11	5
1185	008-00	Weston Hathaway	4025 E. Central Ave., Fresno, CA 93725	1	5
1186	011.4C	Ring & Pinion Services	3816 S. Willow #103, Fresno, CA 93725	1	5
1190	028	William Shubin	3698 S. Chestnut Ave., Fresno, CA 93725	1	5
1191	035-1-A	Cossette Investments Co. Inc.	4025 S. Golden State Blvd., Fresno, CA 93725	1	5
1192	070	GGC Enterprises (Golddiggers)	3507 S. Golden State Blvd., Fresno, CA 93725	8	5
1197	076-2	Willowland (ayala truck parts)	3147 S. Golden State Blvd., Fresno, CA 93725	1	5
1198	092-1	Leap Truck Body Repair	3620 S. Bagley Ave., Fresno, CA 93725	1	5
1202	007-12	KAO USA Inc.	3359 E. North Suite #104, Fresno, CA 93725	1	5
1203	007-13-A/B	Metropolitian Automotive Warehouse Inc.	3117/3119 S. Willow Ave. Fresno, CA 93725	2	5
1206	093	(Circle Racing Wheels) Mike & Sherrie Stallings	3632 S. Bagley Ave., Fresno, CA 93725	5	5
1207	094-1A	MS Fire Protection Inc.	3644 S. Bagley Avenue, Fresno CA 93725	8	5
1187	011.4B	Kent Landberg (Landberg Orora)	3816 S. Willow #102, Fresno, CA 93725	1	5
1048	096-A	Hose and Fittings Etc.	3667 S. Bagley Ave., #102 Fresno, CA 93725	1	5
1212	130	godinez auto body parts	3386 S. Maple Ave., Fresno CA 93725	1	5
1131	044-1-A	all pure pool service	3237 E. Malaga Ave., Fresno, CA 93725	1	5
1208	124	js trailer repair	3741 S. Goldenstate Blvd., Fresno CA 93725	1	5
1209	069-1	Fresno Foreign Wrecking	3525 S. Golden State Blvd., Fresno CA 93725	1	5
1002	006-2	Bimbo Bakeries USA, Inc.	3292 S. Willow Ave., Fresno CA 93725	6	5
1213	094-2	Fence Factory Inc.	3694 S. Bagley Ave., Fresno CA 93725	1	5
1064	024-3	JB Hunt Transport Inc.	3305 S. Chestnut Ave., Fresno, CA 93725	3	5
1214	008-1A	Pepsi Beverages Company	3668 E. Central Ave. Fresno, CA 93725	3	5
1204	022-3	malaga power	2611 E. North Ave., Fresno, CA 93725	1	5
1215	008-1B	Sears Holdings Management Corp	3688 E. Central Ave. Fresno, CA 93725	3	5

Significant Industrial User
Class 3
FSE
Class 5

Attachment B: SIU Inspection Checklist

Facility Inspection Report

☐ INITIAL ☑ ANNUAL ☐ FOLLOW-UP ☐ Other: _____

Date: 11/04/2015

Time: 14:00

INDUSTRIAL USER PROFILE

Industry Name: Air Products & Chemicals Inc.

SIC No.: 2813 Categorical No.: — NA

Address: 3333 S. Peach Avenue Telephone: _____

Permit No. and Class: #1140, Class 1 APN: 331-020-037

Contact: Oscar Abundes Title: Plant Superintendent

Email: _____ Phone: 559-237-5509

Description of business activity: Industrial Air seperation; supply PPG with air

Number of employees: 1 Days and hours of operation: Operating 24/7; Oscar is on-call 24/7

SAFETY

Does facility require employee PPE? ☑ Y ☐ N

PPE List: hearing protection, hard hats, safety goggles, steel-toed boots

Are safe operating practices evident? ☑ Y ☐ N

Security/Safety access requirements: Check-in w/ guard at front gate of PPG. Air Products is gated and locked

BACKFLOW PREVENTOR

receive H_2O through PPG

Present: ☐ Y ☑ N Water meter size: same as PPG's

Certified: ☐ Y NA ☐ N Water meter operational: ☑ Y ☐ N

FLOW DATA:

Size of sewer discharge pipe: 3"

Discharge wastewater flow rate: depends on evaporation rate; discharge 20,000 average daily ≈44 gal/min blowdown

Discharge wastewater metered? ☑ Y ☐ N

Does IU report flow data? ☑ Y ☐ N

Frequency: Report monthly flow – Scot Gonert emails

PRETREATMENT and DISCHARGE

Plumbing: # Sinks: 0 # Showers: 0 # Toilets: 0 # Floor Drains: 0

Does facility have a pretreatment system? ☐ Y ☑ N

Does IU have a schematic/process flow diagram? ☑ Y ☐ N
(Please attach applicable diagrams)

Description of processes generating wastewater: cooling tower blowdown & condensation

Type of wastewater pretreatment system: NA

☐ Absorption	☐ Gravity Separation	☐ Oil Water Separator
☐ Adsorption	☐ Ion Exchange	☐ Grit Separator
☐ Clarification	☐ Membrane Processes	☐ Coagulation
☑ Neutralization	☐ Coalescing	☐ Oxidation/Reduction
☐ Filtration	☐ Precipitation	☐ Flocculation
☐ Distillation	☐ Flotation	☐ Other:

pH control, biocide, acid automatic injection

Is source water pretreated with softeners? ☐ Y ☑ N

Type system used: NA

Are detergents or additives in use? ☑ Y ☐ N

Types of detergents or additives: biocide / inhibitor ; about 1 gallon/day

Does the IU have written procedures (SOP's) when adding chemicals? ☑ Y ☐ N

Explain: Third party (GE Betz) checks chemicals onsite ; check EC, pH,

Is it possible for wastewater to bypass the treatment system? NA ☐ Y ☐ N

Does IU implement work orders for maintenance of pretreatment equipment? ☐ Y ☐ N

Explain: NA, no pretreatment. Routine check-up on probes, meters

Type of discharge: ☑ Continuous ☑ Batch] blowdown is intermittent but continuous on daily basis

Is batch wastewater sampled and tested prior to discharge? ☐ Y ☑ N
everything is monitored online via computer automated system

How is batch discharge controlled (valve, computer, manually, etc.)?

Explain: Computer controlled ; opens/closes valve via probe set point

Does pretreatment system have on-line monitoring? ☑ Y ☐ N EC { 820 - valve open, 810 - valve close

Explain: Cooling tower measured for pH, EC, Oxidative Reduction Potential

Does system have alarms? high/low pH alarm, ☑ Y ☐ N

Alarm response procedures: headquarters in Houston (operation control center) monitor 24/7 and informs Oscar, automatic shut valve

Can person conducting tour explain the treatment process? ☑ Y ☐ N

Operation difficulties during the last year? ☑ Y ☐ N
Had an incident with high EC where headquarters allowed high EC blowdown to discharge ; still within daily average limits

Is slug discharge plan required? ☐ Y ☑ N
Everything is computer controlled

Is written slug discharge plan available? ☐ Y ☑ N

Are storm water drains isolated from discharge or waste? ☑ Y ☐ N
No storm drains ; facility premises is covered in gravel

SAMPLING and MONITORING

Sample type: ☑ Grab ☐ Composite ☐ Time Based ☐ Flow Proportional

Sampling point location description: Flume Southeast corner of bleach holding tank. see attached photo.

(Please attach photos of sample locations and/or map)

Is sampling point isolated from domestic wastewater? ☑ Y ☐ N

When can representative samples be obtained? Explain: Daily basis - depending on blowdown (intermittent)

Parameters Monitored	Frequency Monitored	Sample Type
pH, BOD, TSS	2/year	grab
EC, lead		
iron, copper		
flow	monthly	metered

2/yr

Parameters monitored on-line? ☑ Y ☐ N Explain: EC, pH, ORP

Monitoring records available? ☐ Y ☑ N Location: they can get it through IP21 system

Reports submitted? ☑ Y ☐ N Explain: monthly flow

Name of laboratory performing analyses: BC lab.

they use lab reports to verify pH probes calibration process

HAZARDOUS MATERIAL STORAGE

Fresno County Hazardous Materials Business Plan: ☑ Y ☐ N

sulfuric acid, bleach, water treatment chemicals

Material in secondary containment? ☑ Y ☐ N

all tanks are in concrete berms

Discharge points from secondary containment? ☐ Y ☑ N

gravel layout

MSDS Posted: ☑ Y ☐ N

They have online database

SPILL CONTROL and RESPONSE:

Written plan? ☑ Y ☐ N Posted? ☐ Y ☑ N They have a shelf space of binders SDS, plan

Employees trained? ☑ Y ☐ N Explain: Have a checklist for monthly inspection

Is spill containment equipment available? ☑ Y ☐ N

Can spills enter sewer drains? ☐ Y ☑ N

Are potential spills hazardous to collection system/WWTF? ☐ Y ☑ N no drains

WASTE

Does facility generate hazardous waste? ☐ Y ☑ N

Describe process producing waste: NA

Characterization of waste: NA

Proper segregation of waste materials? NA ☐ Y ☐ N

Waste material in secondary containment? NA ☐ Y ☐ N

Describe: NA

Waste manifests available? NA ☐ Y ☐ N

COMPLIANCE SUMMARY

Does permit require modification: ☑ Y ☐ N

Explain: Include sampling point location description on new permit

Are additional pretreatment processes required? ☐ Y ☑ N

Explain: _____

POST INSPECTION REPORT

_____

_____

_____

_____

_____

Follow-up inspection: No

Inspector: Thomas Siphongsay Date: 11/4/15

Attended By: Oscar Abundes Date: 11/4/15
Scot Govert

NIALAGA COUNTY WATER DISTRICT
SERVING HOME AND INDUSTRY

Facility Inspection Report

☐ INITIAL ☑ ANNUAL ☐ FOLLOW-UP ☐ Other: _____

Date: 6-10-15

Time: 2:00 pm

INDUSTRIAL USER PROFILE

Industry Name: Fifth Wheel

SIC No.: NA

Categorical No.: NA

Address: 3767 S. Goldenstate Blvd.

Telephone: 559-485-0701

Permit No. and Class: 1160, Class 1

APN: NA

Contact: Anantpal Singh

Title: Manager

Email: —

Phone: 1-661-201-4782

Description of business activity: Commercial Truck Wash

Number of employees: 3 Days and hours of operation: ≈ 10 hrs/day, 4 days a week

SAFETY

Does facility require employee PPE? ☑ Y ☐ N

PPE List: Rubber gloves, boots, jumpsuit

Are safe operating practices evident? ☑ Y ☐ N

Security/Safety access requirements: None

BACKFLOW PREVENTOR

Present: ☐ Y ☐ N Water meter size: _____

Certified: ☐ Y ☐ N Water meter operational: ☐ Y ☐ N

FLOW DATA:

Size of sewer discharge pipe: 4" ← District information (ties into manhole)

Discharge wastewater flow rate: NA

Discharge wastewater metered? ☐ Y ☑ N

Does IU report flow data? ☐ Y ☑ N

Frequency: NA

PRETREATMENT and DISCHARGE

Plumbing: # Sinks: — # Showers: — # Toilets: — # Floor Drains: 1 trough to central drain

Does facility have a pretreatment system? ☐ Y ☑ N

Does IU have a schematic/process flow diagram? ☐ Y ☑ N
(Please attach applicable diagrams)

Description of processes generating wastewater: The wash big trucks using detergent solution and a pressure washer.

Type of wastewater pretreatment system: None

☐ Absorption	☐ Gravity Separation	☐ Oil Water Separator
☐ Adsorption	☐ Ion Exchange	☐ Grit Separator
☐ Clarification	☐ Membrane Processes	☐ Coagulation
☐ Neutralization	☐ Coalescing	☐ Oxidation/Reduction
☑ Filtration	☐ Precipitation	☐ Flocculation
☐ Distillation	☐ Flotation	☐ Other: _____

They say the have a filter for solids/rags that get cleaned manually every ≈6 months

Is source water pretreated with softeners? ☐ Y ☑ N

Type system used: —

Are detergents or additives in use? ☑ Y ☐ N

Types of detergents or additives: Acid (see attachment) ; they use chrome brighteners

Does the IU have written procedures (SOP's) when adding chemicals? ☐ Y ☑ N

Explain: They ~~have~~ use a 1 gallon scoop of detergent for every 55 gallon drum

Is it possible for wastewater to bypass the treatment system? N/A ☐ Y ☐ N
No treatment system

Does IU implement work orders for maintenance of pretreatment equipment? ☐ Y ☐ N

Explain: NA

Type of discharge: ☑ Continuous ☐ Batch

Is batch wastewater sampled and tested prior to discharge? ☐ Y ☑ N

How is batch discharge controlled (valve, computer, manually, etc.)?

Explain: NA, continuous discharge

Does pretreatment system have on-line monitoring? ☐ Y ☑ N

Explain: —

Does system have alarms? ☐ Y ☑ N

Alarm response procedures: —

Can person conducting tour explain the treatment process? ☐ Y N/A ☐ N
- Tour conductor was simply a worker
- no treatment

Operation difficulties during the last year? ☐ Y ☑ N

Is slug discharge plan required? ☐ Y ☑ N
the store chemicals outside washing bay

Is written slug discharge plan available? ☐ Y ☑ N

Are storm water drains isolated from discharge or waste? ☐ Y ☑ N

There are 2 storm drains, we explained to them that they cannot allow discharge to enter storm drain

SAMPLING and MONITORING

Sample type: NA ☐ Grab ☐ Composite ☐ Time Based ☐ Flow Proportional

Sampling point location description: The manhole to the east of the truck wash bay, along the road next to the gas station, in front of the restaurant

(Please attach photos of sample locations and/or map)

Is sampling point isolated from domestic wastewater? ☑ Y ☐ N

When can representative samples be obtained? Explain: Random days, when their is steady truck activity

Parameters Monitored	Frequency Monitored	Sample Type
None		

Facility does not monitor

Parameters monitored on-line? ☐ Y ☑ N Explain: NA

Monitoring records available? ☐ Y ☑ N Location: NA

Reports submitted? ☐ Y ☑ N Explain: NA

Name of laboratory performing analyses: ~~—~~ NA

HAZARDOUS MATERIAL STORAGE

Fresno County Hazardous Materials Business Plan: ☐ Y ☑ N

Material in secondary containment? ☑ Y ☐ N - Detergent is stored outside in a metal bin

Discharge points from secondary containment? ☐ Y ☑ N - no drains

MSDS Posted: ☐ Y ☑ N

Chemicals have labels, see attachment
drums

Low Potential for spill

SPILL CONTROL and RESPONSE:

Written plan? ☐ Y ☑ N Posted? ☐ Y ☑ N

Employees trained? ☐ Y ☐ N Explain: NA, no potential for slug/spill

Is spill containment equipment available? NA ☐ Y ☑ N

Can spills enter sewer drains? Detergent located outside ☐ Y ☑ N

Are potential spills hazardous to collection system/WWTF? ☑ Y ☐ N

low potential for spill, but if somehow a spill was to occur then potentially hazardous

WASTE

Does facility generate hazardous waste? NA ☐ Y ☑ N

Describe process producing waste: —

Characterization of waste: —

Proper segregation of waste materials? NA ☐ Y ☐ N

Waste material in secondary containment? NA ☐ Y ☐ N

Describe: —

Waste manifests available? NA ☐ Y ☐ N

Facility does not generate waste

COMPLIANCE SUMMARY

Does permit require modification: NA ☐ Y ☐ N

Explain: Will need to look at MSDS of detergent, implement BMPs, conduct local limits study

Are additional pretreatment processes required? NA ☐ Y ☐ N

Explain: Same explanation above

POST INSPECTION REPORT

Will need to talk to manager in Bakersfield to obtain MSDS.

Follow-up inspection: _____

Inspector: Thomas Siphongsay Date: 6-10-15

Attended By: 5th wheel workers Date: 6-10-15
Aaron (Intern/interpreter)

CHEM-MARK MFG.

INDUSTRIAL AND COMMERCIAL CLEANING CHEMICALS

JO-303

WARNING

DANGER!
CAUSES SEVERE BURNS TO SKIN AND EYES.

Reacts violently with strong alkali. Causes severe burns to skin and eyes. Avoid contact with eyes, skin, and clothing. Do not take internally. Avoid breathing vapor or mist. Wear goggles and protective clothing. Add slowly to liquids to avoid splattering. Keep container closed; use with adequate ventilation. In case of contact, immediately flush skin or eyes with water for at least 15 minutes; for eyes, seek medical attention immediately. Flush spillage with water. Dispose of in accordance with local, state and federal regulations.

CONTAINS HYDROFLUORIC ACID

Can cause severe burns which may not be immediately painful or visible. When handling, wear a face shield, rubber gloves, and rubber apron. In case of contact, immediately flush skin with plenty of water for at least 15 minutes.

UN2922, Corrosive liquid, Toxic, N.O.S. (Hydrofluoric Acid and Sulfuric Acid), 8, (8,1), PGII, ERG #154

55 GAL

KEEP OUT OF REACH OF CHILDREN

FOR INDUSTRIAL USE ONLY

ACID

Caution: Rate Contents
See Warning Panel
Caution Carefully

NIALAGA COUNTY WATER DISTRICT
SERVING HOME AND INDUSTRY

Facility Inspection Report

☑ INITIAL ☐ ANNUAL ☐ FOLLOW-UP ☐ Other: _____

Date: 04/01/2015

Time: 10:00 am

INDUSTRIAL USER PROFILE

Industry Name: Georgia-Pacific (Sterling Coating Rollstock)

SIC No.: 2621 Categorical No.: NA

Address: 3630 E. Wawona #104 Telephone: 559-485-4900

Permit No. and Class: 1114, Class 3 Fax: 404-232-4513

Contact: Kenneth D. Moore Title: General Manager

Email: kdmoore@gapac.com Phone: 559-485-4900

Description of business activity: Corrugated roll coating facility

Number of employees: 5 Days and hours of operation: 7am - 3:30 pm ; 5 days/week

SAFETY

Does facility require employee PPE? ☑ Y ☐ N

PPE List: Steel toed, hearing protection, vest, eye protection

Are safe operating practices evident? ☑ Y ☐ N

Security/Safety access requirements: front door entrance

BACKFLOW PREVENTOR

3 backflows

Present: ☑ Y ☐ N Water meter size: NA

Certified: ☑ Y ☐ N Water meter operational: ☑ Y ☐ N

FLOW DATA:

Discharge wastewater flow rate: NA – float switch

Discharge wastewater metered? ☑ Y ☐ N

Does IU report flow data? ☑ Y ☐ N

Frequency: quarterly

PRETREATMENT and DISCHARGE

2 eyewash stations 1 sump for pretreatment

Plumbing: # Sinks: 3 # Showers: 0 # Toilets: 2 # Floor Drains: 1 sewer

Does facility have a pretreatment system? ☑ Y ☐ N

Does IU have a schematic/process flow diagram? ☐ Y ☑ N None handy, but will obtain via email
(Please attach applicable diagrams)

Description of processes generating wastewater: flocculation and settling of solids for removal

Type of wastewater pretreatment system:

☐ Absorption	☐ Gravity Separation	☐ Oil Water Separator
☐ Adsorption	☐ Ion Exchange	☐ Grit Separator
☐ Clarification	☐ Membrane Processes	☑ Coagulation
☐ Neutralization	☐ Coalescing	☐ Oxidation/Reduction
☑ Filtration	☑ Precipitation	☑ Flocculation
☐ Distillation	☐ Flotation	☐ Other:

Is source water pretreated with softeners? ☐ Y ☑ N

Type system used: NA

Are detergents or additives in use? ☑ Y ☐ N

Types of detergents or additives: flocculant

Does the IU have written procedures (SOP's) when adding chemicals? ☑ Y ☐ N

Explain: 2 team members are trained; Beckart Environmental Inc conduct quarterly training/inspection

Is it possible for wastewater to bypass the treatment system? ☐ Y ☐ N

Does IU implement work orders for maintenance of pretreatment equipment? ☑ Y ☐ N

Explain: MP2 system; workers are beginning to train, Beckart quarterly inspections

Type of discharge: ☐ Continuous ☑ Batch never over 2,000 gallons, discharge ≈ twice/per month

Is batch wastewater sampled and tested prior to discharge? ☑ Y ☐ N

How is batch discharge controlled? float switch, flow metered

Does pretreatment system have on-line monitoring? ☑ Y ☐ N

Explain: pH monitoring on control panels along the back wall.

- EC done ~~manually~~ manually
- EC ~~never~~ less than 4000
- 7,000 permit limit for EC

Does system have alarms? ☐ Y ☑ N

Alarm response procedures: they control operations manually

Can person conducting tour explain the treatment process? ☑ Y ☐ N

Operation difficulties during the last year? ☐ Y ☑ N

Is slug discharge plan required? ☐ Y ☑ N

Is written slug discharge plan available? ☐ Y ☑ N

Are storm water drains isolated from discharge or waste? ☑ Y ☐ N

no storm drains within vicinity

SAMPLING and MONITORING

Sample type: ☑ Grab ☑ Composite ☑ Time Based ☐ Flow Proportional

Sampling point location description: Drum/barrel containing the supernatant located next to filter press. Pipe with flow meter just above leads to sewer.

(Please attach photos of sample locations and/or map)

Is sampling point isolated from domestic wastewater? ☑ Y ☐ N

When can representative samples be obtained? Explain: When process is discharging ; twice/month

Parameters Monitored	Frequency Monitored	Sample Type
pH	continuously	online monitoring system
EC	quarterly	(4) grab
BOD	quarterly	(4) grab
TSS	quarterly	(4) grab
metals, oil&grease ammonia as N	quarterly	(4) grab

& Jar test periodically

Parameters monitored on-line? ☑ Y ☐ N Explain: pH control panel

Monitoring records available? ☑ Y ☐ N Location: they have an Environmental file (Red code) wastewater

Reports submitted? ☑ Y ☐ N Explain: quarterly basis

Name of laboratory performing analyses: BSK

HAZARDOUS MATERIAL STORAGE

Fresno County Hazardous Materials Business Plan: ☑ Y ☐ N

waste oil

Material in secondary containment? ☑ Y ☐ N on top of pallet

Discharge points from secondary containment? ☐ Y ☑ N

MSDS Posted: ☑ Y ☐ N

SPILL CONTROL and RESPONSE:

Written plan? ☑ Y ☐ N Posted? ☑ Y ☐ N

Employees trained? ☑ Y ☐ N Explain: they have documentation for training

Is spill containment equipment available? ☑ Y ☐ N

Can spills enter sewer drains? ☐ Y ☑ N

Are potential spills hazardous to collection system/WWTF? ☐ Y ☑ N

WASTE

Does facility generate hazardous waste? ☑ Y ☐ N

Describe process producing waste: "cat litter" absorbant w/waste oil

Characterization of waste: they have a list of waste streams

Proper segregation of waste materials? ☑ Y ☐ N

Waste material in secondary containment? ☑ Y ☐ N

Describe: they haul waste off

Waste manifests available? ☑ Y ☐ N

COMPLIANCE SUMMARY

Does permit require modification: ☐ Y NA ☐ N

Explain: District will determine if required, need further coordination to develop permit

Are additional pretreatment processes required? ☐ Y NA ☐ N

Explain: The main problem is high EC, will be determined until more knowledge

POST INSPECTION REPORT

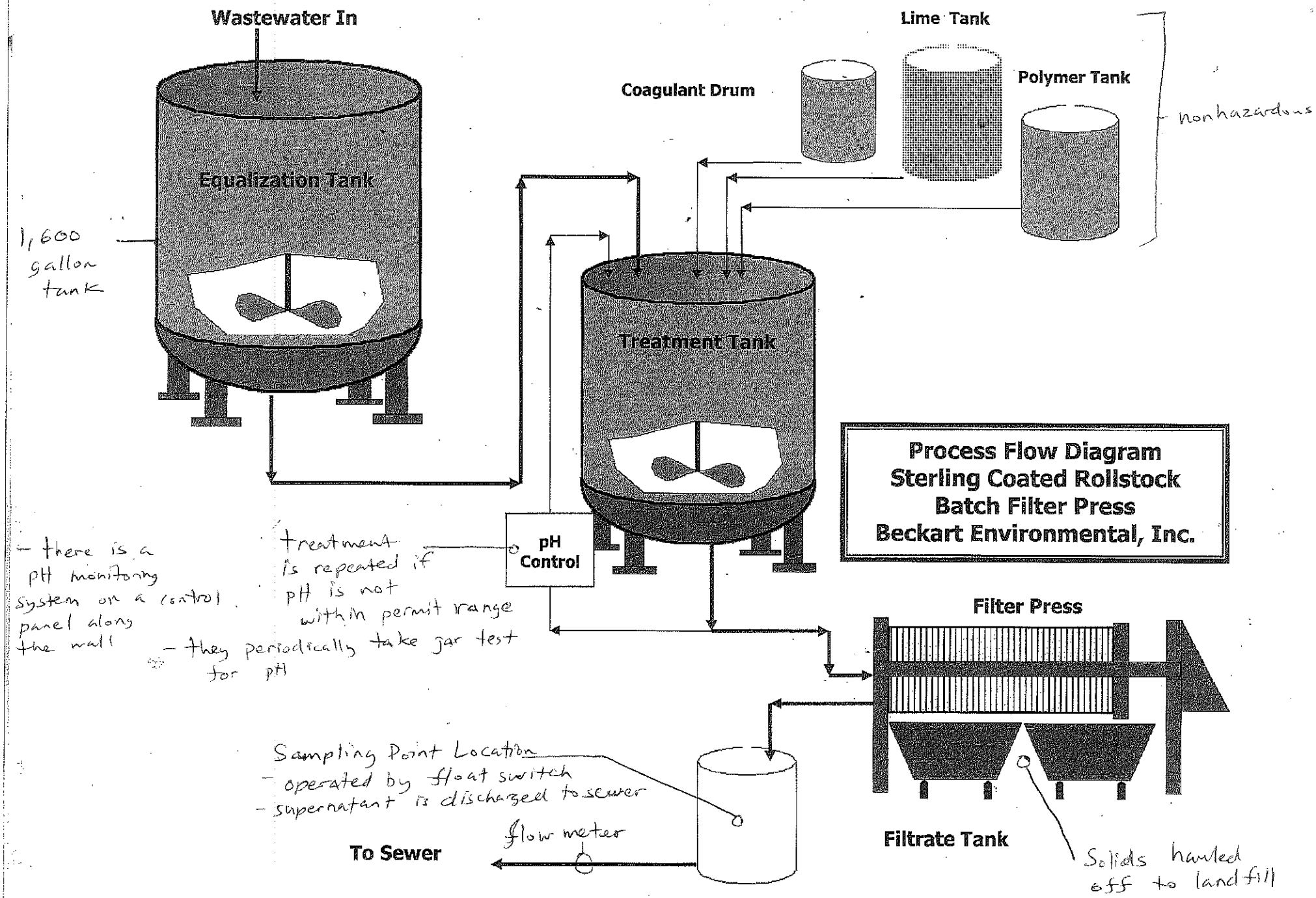
Jim – Georgia Pacific can continue to operate under 12/29/11 permit

Jim – Georgia Pacific is in complete compliance

Follow-up inspection: No, just permit development

Inspector: Thomas Siphongsay Date: 04-01-2015

Attended By: Kenneth Moore Date:
Gregory Thomas
Jim Anderson
Sandy


Wastewater In
Lime Tank
Coagulant Drum
Polymer Tank
nonhazardous
Equalization Tank
1,600 gallon tank
Treatment Tank
Process Flow Diagram
Sterling Coated Rollstock
Batch Filter Press
Beckart Environmental, Inc.
pH Control
treatment is repeated if pH is not within permit range
- there is a pH monitoring system on a control panel along the wall
- they periodically take jar test for pH
Filter Press
Sampling Point Location
- operated by float switch
- supernatant is discharged to sewer
flow meter
To Sewer
Filtrate Tank
Solids hauled off to landfill

NIALAGA COUNTY WATER DISTRICT
SERVING HOME AND INDUSTRY

Facility Inspection Report

☐ INITIAL ☑ ANNUAL ☐ FOLLOW-UP ☐ Other: _____

Date: 6-11-15

Time: 2:15 pm

INDUSTRIAL USER PROFILE

Industry Name: Imperial Truck Wash & Repair

SIC No.: NA

Categorical No.: NA

Address: 2635 E. North Ave

Telephone: 559-442-8500

Permit No. and Class: 1205, Class 1

APN: NA

Contact: Inderjit Singh

Title: general manager

Email: singhtruckservices@gmail.com

Phone: Cell: 209-872-4117

Description of business activity: Commercial Truck Wash & Repair

Number of employees: 4 @ truck wash, 5 @ repair

Days and hours of operation: M-F 9:00-7:00 ; Sat 9:00-3:00

SAFETY

Does facility require employee PPE? ☑ Y ☐ N

PPE List: Rubber gloves, boots, jumpsuit

Are safe operating practices evident? ☑ Y ☐ N

Security/Safety access requirements: None

BACKFLOW PREVENTOR

Present: ☐ Y ☐ N Water meter size: —

Certified: ☐ Y ☐ N Water meter operational: ☐ Y ☐ N

FLOW DATA:

Size of sewer discharge pipe: 4" to manhole ← District information

Discharge wastewater flow rate: NA

Discharge wastewater metered? ☐ Y ☑ N

Does IU report flow data? ☐ Y ☑ N

Frequency: NA

PRETREATMENT and DISCHARGE

Plumbing: # Sinks: NA # Showers: — # Toilets: — # Floor Drains: 1 trough leads to central drain

Does facility have a pretreatment system? ☐ Y ☑ N

He said they have 3 underground tanks (he doesn't know what they are for)

Does IU have a schematic/process flow diagram? ☐ Y ☑ N
(Please attach applicable diagrams)

Description of processes generating wastewater: Use detergent and pressure to wash big trucks.

Type of wastewater pretreatment system: None

☐ Absorption	☐ Gravity Separation	☐ Oil Water Separator
☐ Adsorption	☐ Ion Exchange	☐ Grit Separator
☐ Clarification	☐ Membrane Processes	☐ Coagulation
☐ Neutralization	☐ Coalescing	☐ Oxidation/Reduction
☐ Filtration	☐ Precipitation	☐ Flocculation
☐ Distillation	☐ Flotation	☐ Other:

Is source water pretreated with softeners? ☐ Y ☑ N

Type system used: _____

Are detergents or additives in use? ☑ Y ☐ N

Types of detergents or additives: USDA degreaser, acids (see attachments)

Does the IU have written procedures (SOP's) when adding chemicals? ☐ Y ☑ N

Explain: they use 1 gallon liquid detergent for every 55 gallon drum of water transfer chemicals manually

Is it possible for wastewater to bypass the treatment system? NA ☐ Y ☑ N
all wastewater exists from central drain to manhole

Does IU implement work orders for maintenance of pretreatment equipment? NA ☐ Y ☑ N

Explain: NA no pretreatment

Type of discharge: ☑ Continuous ☐ Batch

Is batch wastewater sampled and tested prior to discharge? ☐ Y ☑ N

How is batch discharge controlled (valve, computer, manually, etc.)?

Explain: NA

Does pretreatment system have on-line monitoring? ☐ Y ☑ N

Explain: NA

Does system have alarms? ☐ Y ☑ N

Alarm response procedures: NA

Can person conducting tour explain the treatment process? ☑ Y ☐ N

Operation difficulties during the last year? ☐ Y ☑ N

Is slug discharge plan required? ☐ Y ☑ N

We should have them relocate their detergent drums so that it is outside wash bay

Is written slug discharge plan available? ☐ Y ☑ N

Are storm water drains isolated from discharge or waste? ☑ Y ☐ N

no storm drains around

SAMPLING and MONITORING

Sample type: NA ☐ Grab ☐ Composite ☐ Time Based ☐ Flow Proportional

Sampling point location description: The only sample point known thus far is the manhole located just north of the washing bay

(Please attach photos of sample locations and/or map)

Is sampling point isolated from domestic wastewater? ☑ Y ☐ N

When can representative samples be obtained? Explain: During steady truck washing activity – random days, unknown

Parameters Monitored	Frequency Monitored	Sample Type
None		

Parameters monitored on-line? ☐ Y ☑ N Explain:

Monitoring records available? ☐ Y ☑ N Location:

Reports submitted? ☐ Y ☑ N Explain:

Name of laboratory performing analyses: NA

HAZARDOUS MATERIAL STORAGE

Fresno County Hazardous Materials Business Plan: ☐ Y ☑ N

Material in secondary containment? ☐ Y ☑ N

The store detergent inside wash bay, in drums

Discharge points from secondary containment? ☑ Y ☐ N

May need to have from relocate detergent outside

MSDS Posted: ☐ Y ☑ N

SPILL CONTROL and RESPONSE:

Written plan? ☐ Y ☑ N Posted? ☐ Y ☑ N

Employees trained? ☑ Y ☐ N Explain: He said workers know how to handle detergent. No official records

Is spill containment equipment available? ☑ Y ☐ N

Can spills enter sewer drains? ☐ Y ☑ N

Are potential spills hazardous to collection system/WWTF? ☐ Y ☑ N

WASTE

Does facility generate hazardous waste? ☐ Y ☑ N

Describe process producing waste: NA

Characterization of waste: NA

Proper segregation of waste materials? NA ☐ Y ☐ N

Waste material in secondary containment? NA ☐ Y ☐ N

Describe: NA

Waste manifests available? NA ☐ Y ☐ N

Oil from Repair Shop gets hauled off by Asbury Env. (AES)

COMPLIANCE SUMMARY

Does permit require modification: ☐ Y ☑ N

Explain: _____

Are additional pretreatment processes required? ☐ Y ☑ N

Explain: must research EC reduction options

POST INSPECTION REPORT

_____

_____

_____

_____

_____

Follow-up inspection: Not at the moment / EC research

Inspector: Thomas Siphongsay Date: 6-11-15

Attended By: Inderjit S. Date: 6-11-15

Continental Chemical Co.

Quality • Service • Value • Since 1965

POWER OFF DEGREASER

U.S.D.A. APPROVED

Recommended for:

For use as a cleaning compound in meat, poultry processors, dairies, food processors.

Directions for use:

Before using, food products and packing materials must be removed from the room or carefully protected. After using, surfaces must be thoroughly rinsed with potable water.

Depending on the extent of the soil, concentrations of 1 oz. to 6 oz. per gallon of water are recommended. Application information for your specific cleaning needs will be provided by your Continental Chemical Representative.

CONTAINER DISPOSAL

Emptied containers may retain hazardous residue and/or explosive vapor. Keep away from heat, sparks, and flames. Do not cut, puncture, or weld on or near this container. Do not reuse container for any purpose until commercially cleaned or reconditioned.

NOTICE

All information concerning this product is based upon data obtained from the manufacturer and/or recognized technical sources. However, no warranty, representation or guarantee as to the accuracy, adequacy or completeness of the material set forth is made. It is the user's responsibility to determine the safety, toxicity and suitability of its own use, handling and disposal of the product. Since actual use by others is beyond our control, no warranty, express or implied, is made as to the effects of such use, the results to be obtained or the safety and toxicity of the product, nor is any liability assumed for use by others of the product described herein.

[illegible] skin and clothing. Wear [illegible] and rubber protective clothing [illegible] or splash on fumes. Use only in [illegible] ventilated. Before opening [illegible] by loosening bung slowly. [illegible] in use. Avoid contact with acids, [illegible] materials and ammonia. Store in [illegible] and oxygen and away from heat and [illegible] from handling. Read material safety data [illegible]

[illegible] IN CASE OF CONTACT:

EYES: Immediately flush eyes with plenty of water for 15 [illegible] Get prompt medical [illegible]

SKIN: Immediately wash skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes [illegible] medical attention.

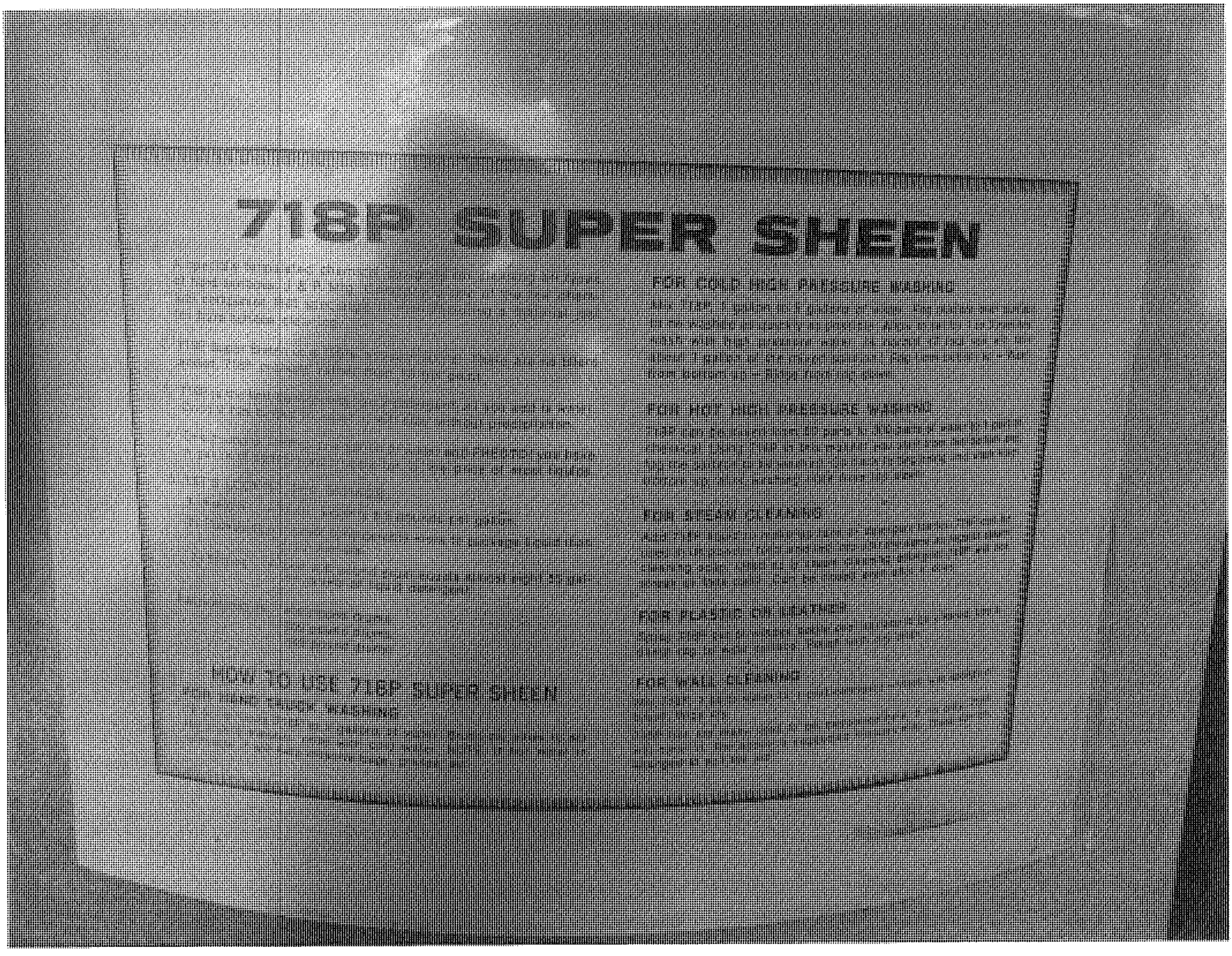
INGESTION: Immediately flush mouth thoroughly with water. Get medical attention.

INHALATION: If exposed to fumes or mist, move to fresh air. Get medical [illegible]

[illegible] If exposed, flush with water. Get medical attention.

[illegible] KEEP OUT OF REACH OF CHILDREN

NET 55 GAL


718P SUPER SHEEN
FOR COLD HIGH PRESSURE WASHING
FOR HOT HIGH PRESSURE WASHING
FOR STEAM CLEANING
FOR PLASTIC OR LEATHER
FOR WALL CLEANING
HOW TO USE 718P SUPER SHEEN

VAN GLOW C

LABEL REV 11/21

55
SW
GAL NET

DANGER

DANGER: POISON! MAY BE FATAL WITH CONTACT OR IF SWALLOWED.

[illegible] MAY BE IMMEDIATELY PAINFUL OR VISIBLE. DO NOT GET PRODUCT ON SKIN OR CLOTHING. [illegible] WEAR PROTECTIVE CLOTHING [illegible] ABSOLUTE VENTILATION. WASH THOROUGHLY AFTER HANDLING.

IMPORTANT

[illegible] ADD WATER TO ACID OR CAUSTIC. [illegible] ACID OR CAUSTIC TO WATER SLOWLY.

FIRST AID

[illegible] FLUSH EYES IMMEDIATELY WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES. IN CASE OF CONTACT, FLUSH SKIN WITH LARGE AMOUNTS OF WATER. [illegible] IF INGESTED, GIVE A GLASS OF WATER OR MILK. [illegible] IF AVAILABLE, REMOVE VICTIM TO FRESH AIR. [illegible] IF NECESSARY. [illegible] SEE A PHYSICIAN FOR EYE CONTACT, INGESTION OR INHALATION. NOTE TO PHYSICIAN: REFER TO [illegible] FOR MEDICAL TREATMENT.

NOTE TO PHYSICIAN

[illegible] FOR THE PATIENT TO INJECT STORED ON ACIDIC OR COLD UNDILUTED COMIC SOLUTION. [illegible] MORE THAN 1.5 CC PER POUND OF BODY WEIGHT AND DO NOT EXCEED 4 GRAMS. [illegible] SHOULD BE KEPT UNDER OBSERVATION FOR AT LEAST A 24 HOUR PERIOD. TREATMENT OF [illegible] IS DUE TO THE CORROSIVE CONDITIONS ASSOCIATED BY EXPOSURE. PROBABLY SKIN, EYES AND RESPIRATORY DISORDERS MAY BE [illegible] PRODUCT.

IN CASE OF SPILL

[illegible] ACCORDANCE WITH [illegible] SPILL. [illegible] ALL FEDERAL, STATE AND LOCAL REGULATIONS.

STORAGE

[illegible] OUT OF REACH OF CHILDREN. [illegible] CONTAINER REMOVE VAPOR AND PRODUCT RESIDUE. DRY ALL [illegible] DO NOT REUSE THE CONTAINER UNLESS THOROUGHLY CLEANED. KEEP OUT OF SUN AND HEAT.

RETURNABLE DRUM NOTE

[illegible]

CALIFORNIA PROPOSITION 65

[illegible]

[illegible] CAUSE CANCER, BIRTH DEFECTS, AND OTHER REPRODUCTIVE HARM.

[illegible]

NALAGA COUNTY WATER DISTRICT
SERVING HOME AND INDUSTRY

Facility Inspection Report

☐ INITIAL ☑ ANNUAL ☐ FOLLOW-UP ☐ Other: _____

Date: 6-18-2015

Time: 10:00 am

INDUSTRIAL USER PROFILE

Industry Name: Lester Lube dba Fresno Truck Wash

SIC No.: NA

Categorical No.: NA

Address: 4170 S. Bagley Ave.

Telephone: 559-233-4849

Permit No. and Class: 1095, class 1

APN: 331-090-050

Contact: Sammy Bulgara

Title: Production Manager

Email: —

Phone: 233-4849

Description of business activity: Commercial truck wash

Number of employees: ≈25 Days and hours of operation: M-F 6:00-8:00 pm ; Sat 8:00-4:00 pm

SAFETY

Does facility require employee PPE? ☑ Y ☐ N

PPE List: Rubber gloves, boots, jumpsuit

Are safe operating practices evident? ☑ Y ☐ N

Security/Safety access requirements: NA

BACKFLOW PREVENTOR

Present: ☐ Y ☐ N Water meter size: —

Certified: ☐ Y ☐ N Water meter operational: ☐ Y ☐ N

FLOW DATA:

Size of sewer discharge pipe: 8" ← our information

Discharge wastewater flow rate: —

Discharge wastewater metered? ☑ Y ☐ N they have a totalizer and flow meter but it was not working at the time.

Does IU report flow data? ☐ Y ☑ N

Frequency: —

PRETREATMENT and DISCHARGE

Plumbing: # Sinks: — # Showers: — # Toilets: 2 # Floor Drains: 2 (each bay has trough that leads to a central drain)

Does facility have a pretreatment system? ☑ Y ☐ N

Does IU have a schematic/process flow diagram? ☐ Y ☑ N he said he can provide it
(Please attach applicable diagrams)

Description of processes generating wastewater: Big trucks are washed down using a pressure washer. They wash with detergents, degreasers, acids.

Type of wastewater pretreatment system:

They have a filter press

not yet in operation

☐ Absorption	☐ Gravity Separation	☑ Oil Water Separator
☐ Adsorption	☑ Ion Exchange	☑ Grit Separator
☐ Clarification	☐ Membrane Processes	☐ Coagulation
☑ Neutralization	☐ Coalescing	☐ Oxidation/Reduction
☑ Filtration (carbon)	☐ Precipitation	☐ Flocculation
☐ Distillation	☐ Flotation	☐ Other:

Is source water pretreated with softeners? ☐ Y ☑ N

Type system used: _____

Are detergents or additives in use? ☑ Y ☐ N

Types of detergents or additives: USDA degreaser, acids, corrosives, aluminum brighteners
orange bucket - alum. brightener

Does the IU have written procedures (SOP's) when adding chemicals? ☐ Y ☑ N

Explain: Supervisors are in charge of chemicals

Is it possible for wastewater to bypass the treatment system? ☑ Y ☐ N
* There are drains that recirculate water to pretreatment area if bypass should occur

Does IU implement work orders for maintenance of pretreatment equipment? ☑ Y ☐ N

Explain: twice a day they would check to see if pretreatment is functioning properly.

Type of discharge: ☑ Continuous ☐ Batch
float device

Is batch wastewater sampled and tested prior to discharge? ☐ Y ☑ N
NA

How is batch discharge controlled (valve, computer, manually, etc.)?

Explain: NA

Does pretreatment system have on-line monitoring? ☑ Y ☐ N

Explain: There is a pH control panel near the bio tanks

Does system have alarms? ☑ Y ☐ N

Alarm response procedures: bell rings if bio tank overfills (two 2,800 gallon tanks)

Can person conducting tour explain the treatment process? ☑ Y ☐ N

Operation difficulties during the last year? ☐ Y ☑ N

Is slug discharge plan required? ☐ Y ☑ N

Is written slug discharge plan available? ☐ Y ☑ N

Are storm water drains isolated from discharge or waste? ☑ Y ☐ N

SAMPLING and MONITORING

They do not submit reports, but they say they occasionally monitor discharge and have records available

Sample type: None ☐ Grab ☐ Composite ☐ Time Based ☐ Flow Proportional

Sampling point location description: There is a 3-chambered pit, the west chamber is the sample point.

(Please attach photos of sample locations and/or map)

Is sampling point isolated from domestic wastewater? ☑ Y ☐ N

When can representative samples be obtained? Explain: When truck washing activity is steady, random days

Parameters Monitored	Frequency Monitored	Sample Type
pH	online-monitoring	

Parameters monitored on-line? ☑ Y ☐ N Explain: pH

Monitoring records available? ☑ Y ☐ N Location:
they claim to keep records

Reports submitted? ☐ Y ☑ N Explain:

Name of laboratory performing analyses: BSK

HAZARDOUS MATERIAL STORAGE

acids/detergents

Fresno County Hazardous Materials Business Plan: ☑ Y ☐ N

Material in secondary containment? ☑ Y ☐ N
drums are stored in seperate room

Discharge points from secondary containment? ☑ Y ☐ N
There were drains in the storage room that were clogged, they do not know where it leads to
- Told them cover it

MSDS Posted: ☑ Y ☐ N
They keep MSDS files and post some for specific detergents

SPILL CONTROL and RESPONSE:

Written plan? ☐ Y ☑ N Posted? ☐ Y ☑ N NA

Employees trained? ☐ Y ☑ N Explain: No need for spill training, low potential for spill

Is spill containment equipment available? ☐ Y ☑ N

Can spills enter sewer drains? ☐ Y ☑ N

Are potential spills hazardous to collection system/WWTF? ☑ Y ☐ N
If for some reason spill was to occur, they will vacuum spill contained in storage area.

WASTE

Does facility generate hazardous waste? ☑ Y ☐ N

Describe process producing waste: ~~fil~~ truck wash wastewater, solids collected from trough

Characterization of waste: They haul off filter cakes

Proper segregation of waste materials? ☑ Y ☐ N
solids collected from trough goes to bin

Waste material in secondary containment? ☑ Y ☐ N

Describe: wastewater is contained in pretreatment area, solids collect in bin
filter cakes hauled off.

Waste manifests available? ☑ Y ☐ N
They keep records of everything

COMPLIANCE SUMMARY

Does permit require modification: NA ☐ Y ☐ N

Explain: Will need further research, evaluation of chemical MSDS, etc.

Are additional pretreatment processes required? NA ☐ Y ☐ N

Explain: Not determined at this point in time. More research is needed

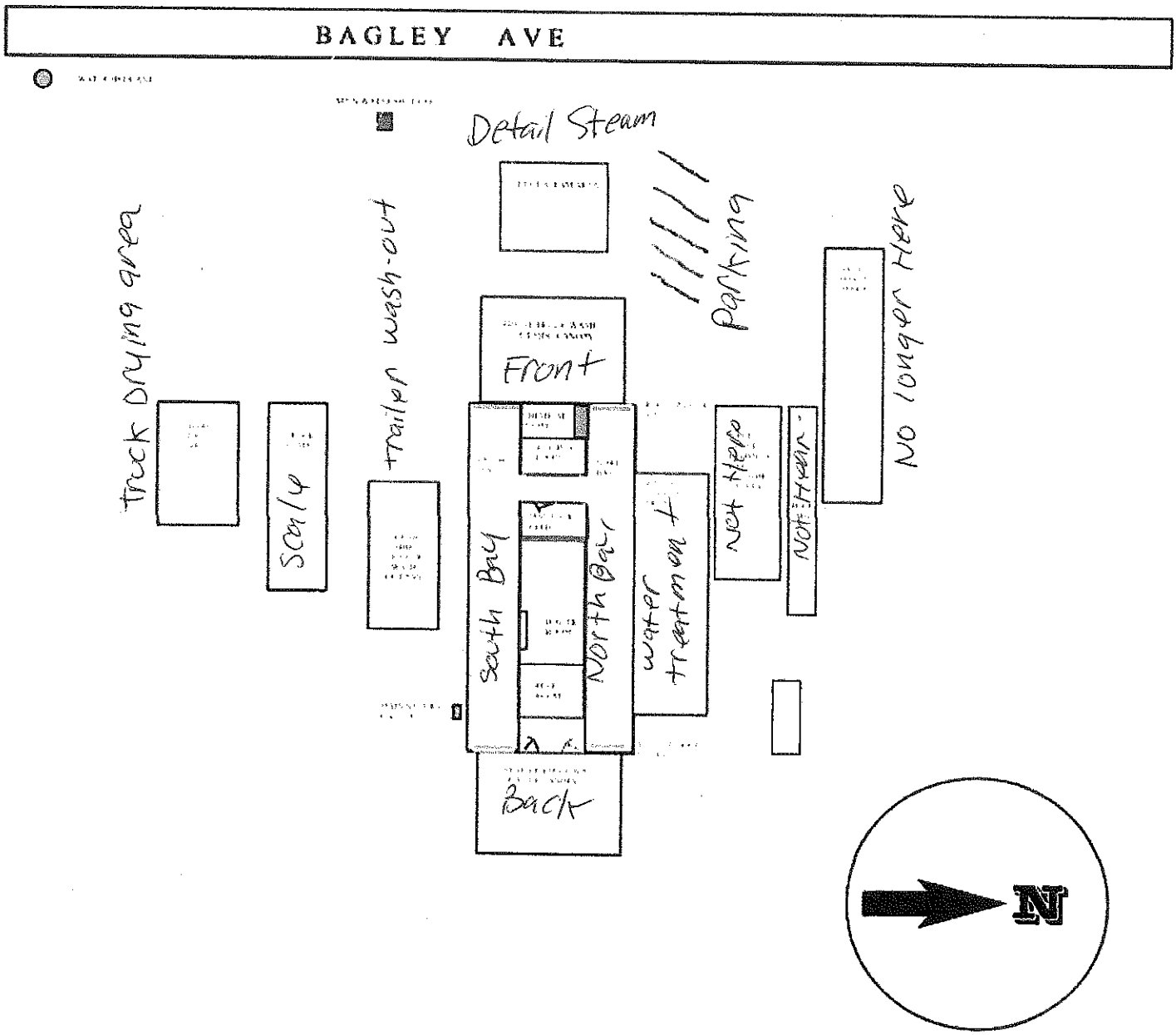
POST INSPECTION REPORT

Sammy is planning on leaving Fresno Truck Wash. James Ledesma and Mike Verdot will take charge. They are currently being trained by Sammy to operate and understand pretreatment process. Requested MSDS & schematics diagram from James. Gave them BMPs and EC sampling project results. They are considering using polymer emulsion in future

Follow-up inspection: yes possibly to discuss EC target

Inspector: Thomas Siphongsay Date: 6/18/2015

Attended By: Sammy Balgara Date: 6/18/2015
Aaron (intern)



GROUND FLOOR

MAIN NATURAL GAS SHUT OFF

STAIRS TO THE UPPER OFFICE FLOOR

MAIN ELECTRICAL

ROAD WAY ON PROPERTY

MAIN WATER SHUT OFF

Public road

WATER HYDRANT

PARKING LOT

MAIN ENTER ROLL UP DOORS

OCCUPANT: FRESNO TRUCK WASH

ADDRESS: 4170 S. BAGLEY AVE.

FRESNO , CA 93725

STRUCTURE: STEEL SCALE

20 FEET

Facility Inspection Report

☐ INITIAL ☑ ANNUAL ☐ FOLLOW-UP ☐ Other: _____

Date: 10/30/2015

Time: 10:00 am

INDUSTRIAL USER PROFILE

Industry Name: PPG Industries

SIC No.: 3211 Categorical No.: NA

Address: 3333 S. Peach Telephone: 559-485-4660

Permit No. and Class: #1038, Class 1 APN: 331-020-275

Contact: Wendy Garcia Title: Environmental Manager

Email: wgarcia@ppg.com Phone: 559-493-3204

Description of business activity: Manufacture flat glass using float glass process

Number of employees: 140 Days and hours of operation: 24 hrs/7 days a week

SAFETY

Does facility require employee PPE? ☑ Y ☐ N

PPE List: goggles, steel toed boots, hearing protection & hard hats in certain areas

Are safe operating practices evident? ☑ Y ☐ N

Security/Safety access requirements: Go through security at front gate

BACKFLOW PREVENTOR

Present: ☑ Y ☐ N Water meter size: 8"

Certified: ☑ Y ☐ N Water meter operational: ☑ Y ☐ N

FLOW DATA:

Size of sewer discharge pipe: 8"

Discharge wastewater flow rate: Continuous varies: 1 million to 2 mil a month

Discharge wastewater metered? ☑ Y ☐ N

Does IU report flow data? ☑ Y ☐ N

Frequency: Monthly

PRETREATMENT and DISCHARGE

Plumbing: # Sinks: 24 # Showers: only emergency showers # Toilets: 24 # Floor Drains: 12 in bathrooms basement onsite retention pond - drains to frit pit

Does facility have a pretreatment system? ☐ Y ☑ N

there was a drawing on a white board w/general schematics of furnace

Does IU have a schematic/process flow diagram? have a site map ☐ Y ☑ N
(Please attach applicable diagrams)

Description of processes generating wastewater: Cooling tower blowdown, sanitary sewage

Type of wastewater pretreatment system: None

☐ Absorption	☐ Gravity Separation	☐ Oil Water Separator
☐ Adsorption	☐ Ion Exchange	☐ Grit Separator
☐ Clarification	☐ Membrane Processes	☐ Coagulation
☐ Neutralization	☐ Coalescing	☐ Oxidation/Reduction
☐ Filtration	☐ Precipitation	☐ Flocculation
☐ Distillation	☐ Flotation	☐ Other:

Is source water pretreated with softeners? ☑ Y ☐ N

Type system used: when closed loop cooling water pressure is low, softener water is used - "mill use water"

Are detergents or additives in use? ☑ Y ☐ N

Types of detergents or additives: biocide, anti-scalant, ChemTreat tests and add to cooling water.

Does the IU have written procedures (SOP's) when adding chemicals? ☑ Y ☐ N

Explain: ChemTreat services cooling tower water on weekly basis

Is it possible for wastewater to bypass the treatment system? NA ☐ Y ☐ N
No treatment system for cooling tower

Does IU implement work orders for maintenance of pretreatment equipment? ☐ Y ☐ N NA

Explain: No pretreatment; furnace is being rebuilt (every 15 yrs) in January

Type of discharge: ☑ Continuous ☐ Batch

Is batch wastewater sampled and tested prior to discharge? ☐ Y ☑ N

How is batch discharge controlled (valve, computer, manually, etc.)?

Explain: NA. Continuous ~~fit~~ discharge is monitored for EC & pH.

Does pretreatment system have on-line monitoring? ☐ Y ☑ N

Explain: Cooling tower is monitored for pH & EC

Does system have alarms? ☐ Y ☑ N

Alarm response procedures: The EC set point is set at 950 mhos/cm in control room

Can person conducting tour explain the treatment process? ☑ Y ☑ N
no treatment
Wendy is fairly new to PPG. She knew facility layout and most processes.

Operation difficulties during the last year? ☑ Y ☐ N
In March & August of 2014, furnace ~~[illegible]~~ cooling H_2O was discharged to pond (not processed H_2O) → Water Management plan (storm)

Is slug discharge plan required? ☐ Y ☑ N

Is written slug discharge plan available? ☐ Y ☑ N

Are storm water drains isolated from discharge or waste? ☑ Y ☐ N

SAMPLING and MONITORING

Sample type: ☑ Grab ☐ Composite ☐ Time Based ☐ Flow Proportional

Sampling point location description: The manhole directly linked to the series of large cooling towers and prior to connecting to the domestic waste.

(Please attach photos of sample locations and/or map)

Is sampling point isolated from domestic wastewater? ☑ Y ☐ N

When can representative samples be obtained? Explain: Any time of the day. They continuously discharge and they are a 24/7 operation.

Parameters Monitored	Frequency Monitored	Sample Type
EC	continuously monitored	metered via probes
pH	continuously monitored	metered via probes
flow	daily	metered
TSS, BOD	2/year	grab

Parameters monitored on-line? ☑ Y ☐ N Explain: controls monitor cooling tower for EC, pH, flow

Monitoring records available? ☑ Y ☐ N Location: weekly readings of EC manually record

Reports submitted? ☑ Y ☑ N Explain: Report monthly flow; recently been submitting reports late

Name of laboratory performing analyses: BC

HAZARDOUS MATERIAL STORAGE

Fresno County Hazardous Materials Business Plan: ☑ Y ☐ N

Used oil / bags of house dust, dust collectors

Material in secondary containment? ☑ Y ☐ N

Oil drums, 2nd contained, dust bags in rolling bins

Discharge points from secondary containment? ☐ Y ☑ N

MSDS Posted: She had it readily available (binders) ☐ Y ☑ N

SPILL CONTROL and RESPONSE:

had it readily available (binders)

Written plan? ☑ Y ☐ N Posted? ☐ Y ☑ N

Employees trained? ☑ Y ☐ N Explain: annual training

Is spill containment equipment available? ☑ Y ☐ N

Spill response kits near storage areas

Can spills enter sewer drains? ☐ Y ☑ N

Are potential spills hazardous to collection system/WWTF? ☐ Y ☑ N

They have a NaOH tank for air pollution control system. It is in 2nd containment - not connected to sewer

WASTE

Does facility generate hazardous waste? ☑ Y ☐ N

Used oil, filters (dust), bags of house dust

Describe process producing waste: equipment process waste ex. oil

Characterization of waste: used oil, dust filters, bags of house dust (selenium dust)

Proper segregation of waste materials? ☑ Y ☐ N

Waste material in secondary containment? ☑ Y ☐ N

Describe: drums, roll-off bins, certified haz. waste transporter (Clean Harbors)

Waste manifests available? ☑ Y ☐ N

COMPLIANCE SUMMARY

Does permit require modification: ☑ Y ☐ N

Explain: include sampling point location.

Are additional pretreatment processes required? ☐ Y ☑ N

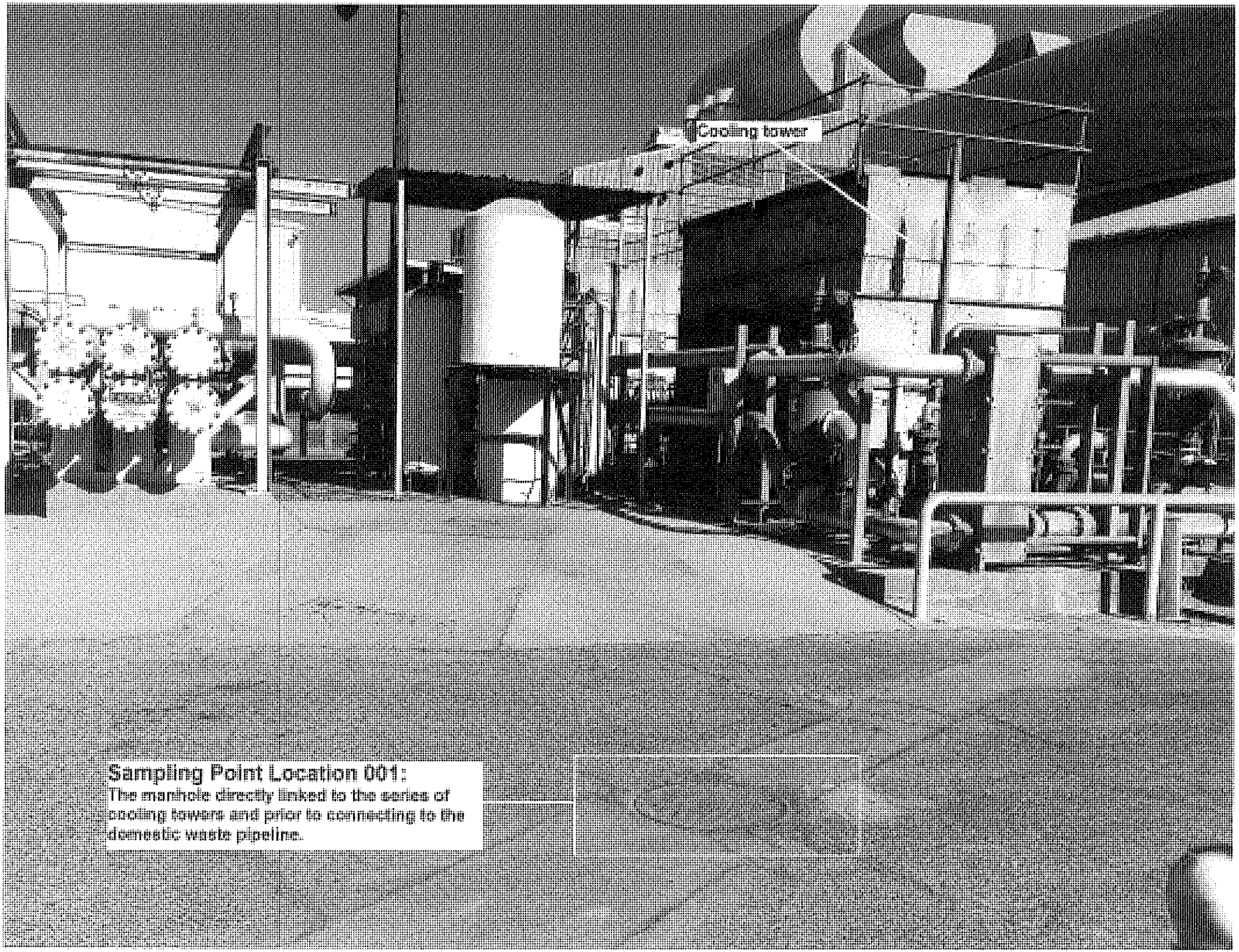
Explain: —

POST INSPECTION REPORT

Follow-up inspection: No

Inspector: Thomas Sphangiwy Date: 10-30-2015

Attended By: Wendy Garcia Date: 10-30-2015



Sampling Point Location 001:
The manhole directly linked to the series of cooling towers and prior to connecting to the domestic waste pipeline.

NIALAGA COUNTY WATER DISTRICT
SERVING HOME AND INDUSTRY

Facility Inspection Report

☐ INITIAL ☑ ANNUAL ☐ FOLLOW-UP ☐ Other: _____

Date: 10/19/2015

Time: 10:00 am

INDUSTRIAL USER PROFILE

Industry Name: Rio Bravo

SIC No.: 4911 Categorical No.: NA

Address: 3350 S. Willow Ave Telephone: 559-264-4575

Permit No. and Class: 005, Class 1 APN: 331-072-16S

Contact: Bill Henson Title: O&M Manager / Compliance

Email: bhenson@rbfresno.com Phone: (559) 264-4575 x15

Description of business activity: Generate electricity using biomass (power plant)

Number of employees: 29 Days and hours of operation: 24 hrs / 7 days week

SAFETY

Does facility require employee PPE? ☑ Y ☐ N

PPE List: hard hat, safety glasses, steel toed boots, hearing protection

Are safe operating practices evident? ☑ Y ☐ N

Security/Safety access requirements: None See receptionist first (Julie)

BACKFLOW PREVENTOR

Present: ☑ Y ☐ N Water meter size: 8"

Certified: ☑ Y ☐ N Water meter operational: ☑ Y ☐ N

FLOW DATA:

Size of sewer discharge pipe: 8"

Discharge wastewater flow rate: continuous

Discharge wastewater metered? ☑ Y ☐ N

Does IU report flow data? ☑ Y ☐ N

Frequency: Monthly

PRETREATMENT and DISCHARGE

Plumbing: # Sinks: 8 # Showers: 4 # Toilets: 3 2 urinals # Floor Drains: 8 → oil/water separator

Does facility have a pretreatment system? ☑ Y ☐ N

Does IU have a schematic/process flow diagram? ☑ Y ☐ N
(Please attach applicable diagrams)

Description of processes generating wastewater: sanitary waste, cooling tower blowdown, oil/water separator effluent

Type of wastewater pretreatment system:

☐ Absorption	☐ Gravity Separation	☑ Oil Water Separator
☐ Adsorption	☐ Ion Exchange	☐ Grit Separator
☐ Clarification	☐ Membrane Processes	☐ Coagulation
☐ Neutralization	☐ Coalescing	☐ Oxidation/Reduction
☐ Filtration	☐ Precipitation	☐ Flocculation
☐ Distillation	☐ Flotation	☐ Other: Reverse Osmosis for boilers

Is source water pretreated with softeners? ☐ Y ☑ N

Type system used: —

Are detergents or additives in use? ☑ Y ☐ N

Types of detergents or additives: Corrosion prevention additives, phosphates, bromine injection @ night (solar evap purposes) injected via sensors

bromine tablet – kills algae

Does the IU have written procedures (SOP's) when adding chemicals? ☑ Y ☐ N

Explain: Operators are trained to handle if injectors malfunction

Is it possible for wastewater to bypass the treatment system? ☐ Y ☑ N

Boiler islands have drains that lead to oil pit; estimated ~200 gallons

Does IU implement work orders for maintenance of pretreatment equipment? ☑ Y ☐ N

Explain: They inspect twice a day

Type of discharge: ☑ Continuous ☐ Batch

Is batch wastewater sampled and tested prior to discharge? ☐ Y ☑ N

NA

How is batch discharge controlled (valve, computer, manually, etc.)?

– cooling tower blowdown monitored

Explain: NA, not batch

Does pretreatment system have on-line monitoring? ☐ Y ☑ N

Explain: no on-line monitoring for oil pit wastewater

Does system have alarms? ☑ Y ☐ N

Alarm response procedures: They have personnel to handle

Can person conducting tour explain the treatment process? ☑ Y ☐ N

Operation difficulties during the last year? ☐ Y ☑ N

Is slug discharge plan required? ☐ Y ☑ N

All drains lead to oil pit, cooling tower monitored automatic

Is written slug discharge plan available? ☐ Y ☑ N

Are storm water drains isolated from discharge or waste? ☑ Y ☐ N

SAMPLING and MONITORING

Sample type: ☑ Grab ☐ Composite ☐ Time Based ☐ Flow Proportional

Sampling point location description: 001 – Control room sink w/pipe labeled cooling tower; 002 – manhole along street (mixed w/domestic)

(Please attach photos of sample locations and/or map)

Is sampling point isolated from domestic wastewater? 001 ☑ Y ☐ N

When can representative samples be obtained? Explain: Anytime, they are a continuous discharger 24/7

	Parameters Monitored	Frequency Monitored	Sample Type
online monitoring	pH	continuous	— NA
	EC	continuous	— NA
permit requirements	pH	semi-annually	grab
	EC	semi-annually	grab

Parameters monitored on-line? ☑ Y ☐ N Explain: cooling tower pH, EC monitored via probes

Monitoring records available? ☑ Y ☐ N Location: Bill has it in computer

Reports submitted? ☑ Y ☐ N Explain: Monthly flow, semi-annual pH EC, etc

Name of laboratory performing analyses: BSK, BC

HAZARDOUS MATERIAL STORAGE

Fresno County Hazardous Materials Business Plan: ☑ Y ☐ N

Material in secondary containment? anhydrous ammonia, ☑ Y ☐ N

Discharge points from secondary containment? ☐ Y ☑ N

MSDS Posted: ☑ Y ☐ N

diesel tank fill station contained w/ concrete (secondary) wall

SPILL CONTROL and RESPONSE:

Written plan? [✓] Y [ ] N Posted? [✓] Y [ ] N

Employees trained? [✓] Y [ ] N Explain: every month

Is spill containment equipment available? [✓] Y [ ] N

Can spills enter sewer drains? [ ] Y [✓] N

oil pit → sanitary lift station → Malaga Collection

boiler island drains → pretreatment system oil

Are potential spills hazardous to collection system/WWTF? [ ] Y [✓] N

small amount of oil/water

WASTE

Does facility generate hazardous waste? oily wastewater solids [✓] Y [ ] N

Describe process producing waste: oil/H_2O from boiler islands to oil pit

Characterization of waste: oily wastewater, oily solids → from oil pit

Proper segregation of waste materials? [✓] Y [ ] N

Waste material in secondary containment? [✓] Y [ ] N

Describe: oil pit is underground sump ~~with~~ linked to sanitary lift station

Waste manifests available? NA, they say they haul off [ ] Y [ ] N

COMPLIANCE SUMMARY

Does permit require modification: ☑ Y ☑ N

Explain: permit sampling point location (2 locations)

Are additional pretreatment processes required? ☐ Y ☑ N

Explain: _____

POST INSPECTION REPORT

_____

_____

_____

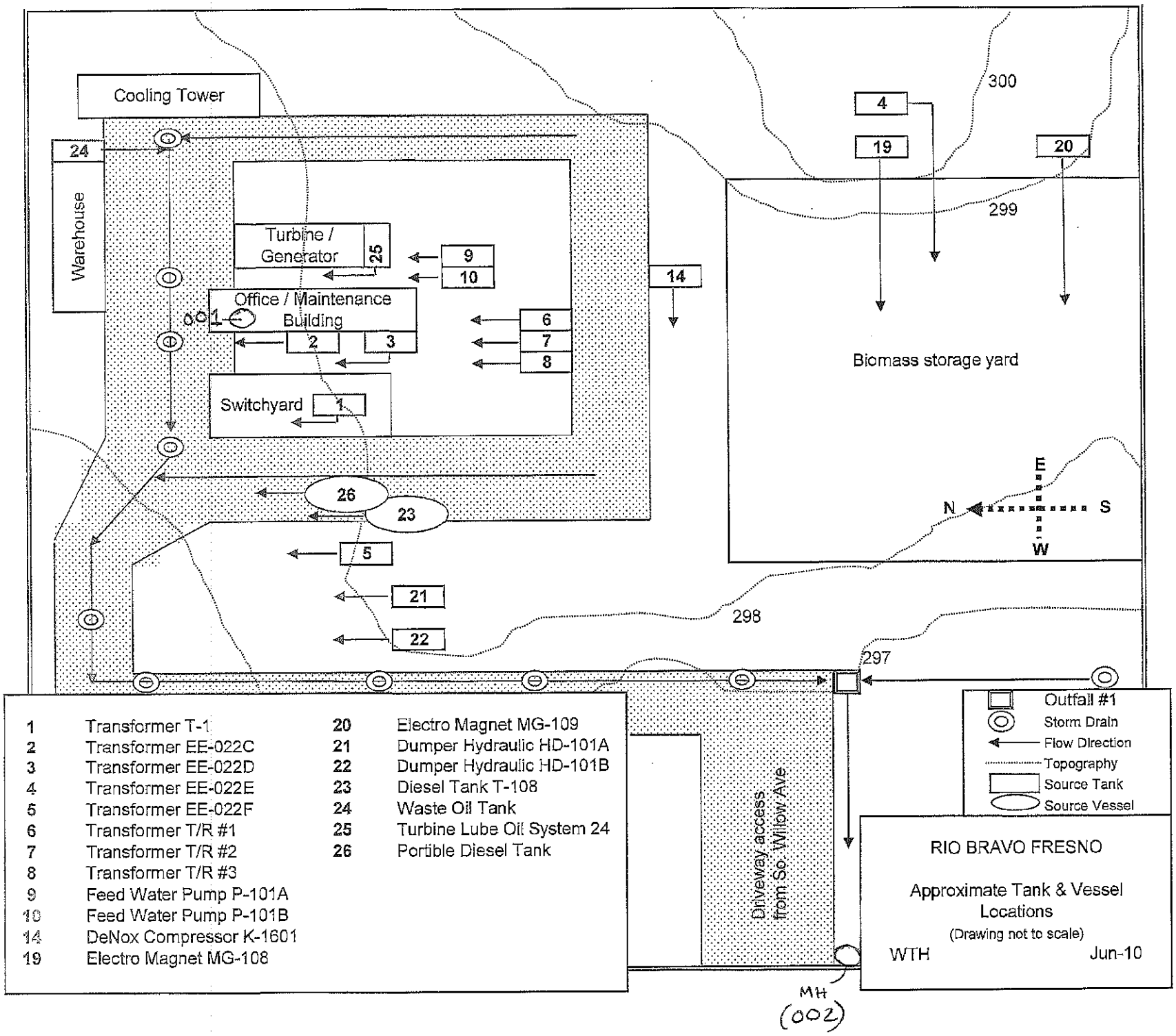
_____

_____

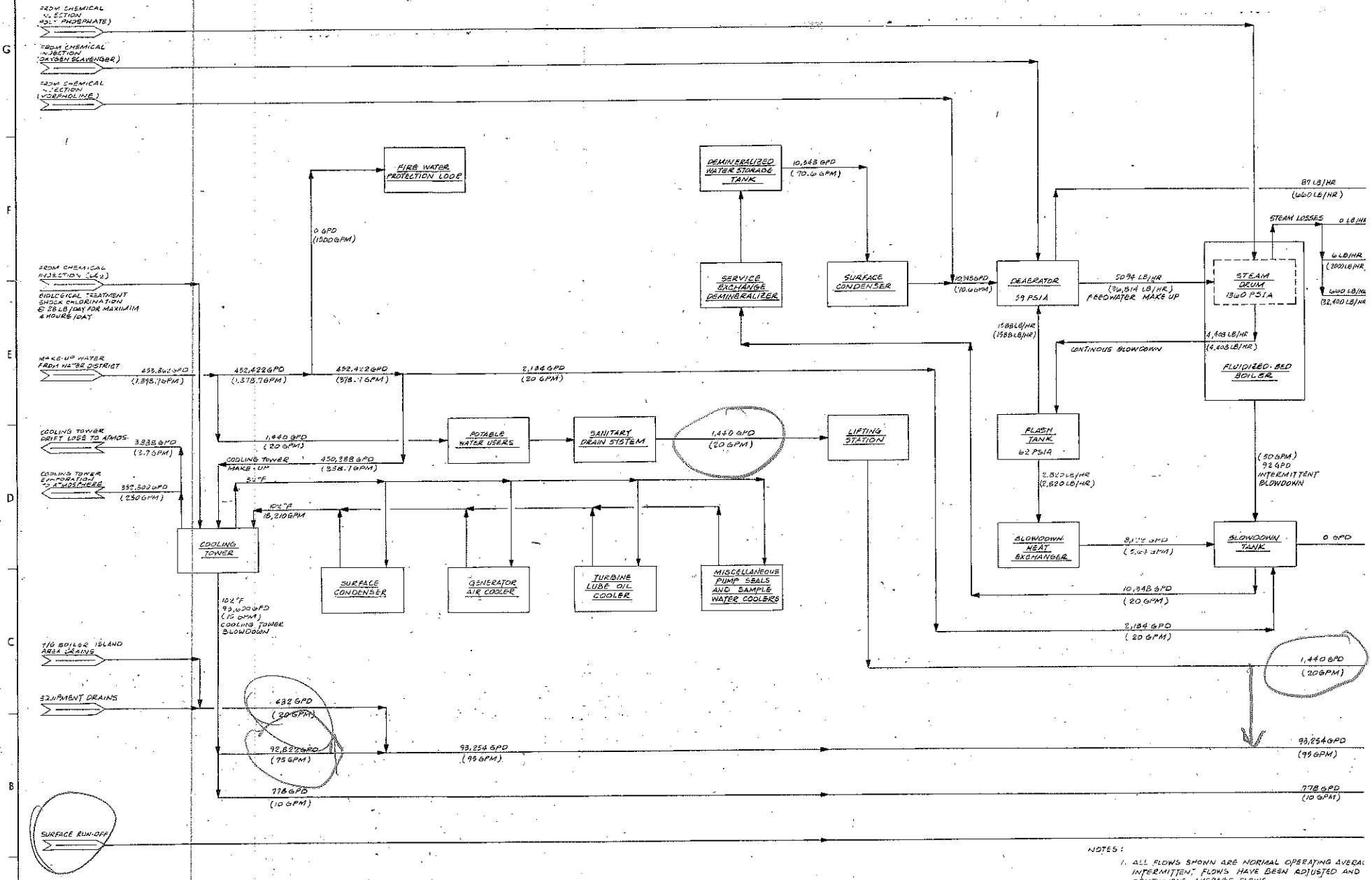
Follow-up inspection: No

Inspector: Thomas Siphongsay Date: 10/19/2015
Caed Clark

Attended By: Bill Henson Date: 10/19/2015



1	Transformer T-1	20	Electro Magnet MG-109
2	Transformer EE-022C	21	Dumper Hydraulic HD-101A
3	Transformer EE-022D	22	Dumper Hydraulic HD-101B
4	Transformer EE-022E	23	Diesel Tank T-108
5	Transformer EE-022F	24	Waste Oil Tank
6	Transformer T/R #1	25	Turbine Lube Oil System 24
7	Transformer T/R #2	26	Portible Diesel Tank
8	Transformer T/R #3		
9	Feed Water Pump P-101A		
10	Feed Water Pump P-101B		
14	DeNox Compressor K-1601		
19	Electro Magnet MG-108		



NOTES:

1. ALL FLOWS SHOWN ARE NORMAL OPERATING AVERAG INTERMITTENT FLOWS HAVE BEEN ADJUSTED AND CONTINUOUS AVERAGE FLOWS.
2. DESIGN OR PEAK RATES ARE SHOWN IN PARENTHE

M-6003-002 WATER BALANCE

REFERENCE DRAWINGS			REVISIONS									
DWG. NO.	TITLE	DWG. NO.	TITLE	REV	DESCRIPTION	BY	DATE	APPVD.	REV.	DESCRIPTION	BY	DATE	APPVD.
									B	ISSUED FOR BODP	BR	7/25	BA
									A	PRELIMINARY			

ULTRASYSTEMS
ENGINEERS AND CONSTRUCTORS
INCORPORATED
IRVINE, CALIFORNIA

DESIGNED BY: RA | DATE | SCALE: NONE
DRAWN BY: JHH TWAN | 7/25/85 | APPROVED BY: | DATE: 7/25/85
CHECKED BY: W.R.L. | 7/25/85

FLOW DIAGRAM
WATER & WASTE WATER BAL

ULTRAPOWER | CUSTOMER APPROVAL | DATE | PROJECT NO. UP-6003 | DRAWING NO. M-600

Facility Inspection Report

☐ INITIAL ☑ ANNUAL ☐ FOLLOW-UP ☐ Other: _____

Date: 11/2/2015

Time: 2:00 pm

INDUSTRIAL USER PROFILE

Industry Name: SFPP LP (Kinder Morgan)

SIC No.: 4226 Categorical No.: —

Address: 4149 S. Maple Ave Telephone: 559-493-2975

Permit No. and Class: #1025, Class 1 APN: 330-031-59S

Contact: Mike McWhorter Title: Area Manager
Jurisdiction - Environ. Representative

Email: McWhorterM@kindermorgan.com Phone: 559-647-7749

Description of business activity: Petroleum distribution & Storage center

Number of employees: 13 Days and hours of operation: 24/7

SAFETY

Does facility require employee PPE? ☑ Y ☐ N

PPE List: task specific PPE, safety glasses, steel toed boots, vests in traffic areas

Are safe operating practices evident? ☑ Y ☐ N

Security/Safety access requirements: Enter through front gate, sign-in at control room (speak via intercom)

BACKFLOW PREVENTOR

Present: [✓] Y [ ] N Water meter size: 3"

Certified: [✓] Y [ ] N Water meter operational: [✓] Y [ ] N

FLOW DATA:

Size of sewer discharge pipe: 4"

Discharge wastewater flow rate: Controlled via valve, manually; batch discharge varies

Discharge wastewater metered? [✓] Y [ ] N calibrated annually

Does IU report flow data? [✓] Y [ ] N

Frequency: per batch discharge; send monthly reports (memorandum) for no discharge.

PRETREATMENT and DISCHARGE

Plumbing: # Sinks: ~4 # Showers: 2 (emergency) # Toilets: 3 # Floor Drains: 0

Does facility have a pretreatment system? [✓] Y [ ] N

Does IU have a schematic/process flow diagram? [✓] Y [ ] N
(Please attach applicable diagrams)

Description of processes generating wastewater: Wash down from the load racks. use biodegradable soap to wash any petroleum spills..

Type of wastewater pretreatment system:

[ ] Absorption	[ ] Gravity Separation	[✓] Oil Water Separator (maintenance not scheduled last time was 3 yrs ago)
[ ] Adsorption	[ ] Ion Exchange	[ ] Grit Separator
[ ] Clarification	[ ] Membrane Processes	[ ] Coagulation
[✓] Neutralization (pH adjuster if needed)	[ ] Coalescing	[ ] Oxidation/Reduction
[✓] Filtration (Sock filters 25 microns (physical filtering))	[ ] Precipitation	[ ] Flocculation
[ ] Distillation	[ ] Flotation	[✓] Other: GAC filters

they just replaced them 10/26/15

Is source water pretreated with softeners? ☐ Y ☑ N

Type system used: NA

Are detergents or additives in use? ☑ Y ☐ N

Types of detergents or additives: biodegradable soaps, "Attack" "Zep" "Sunrise Supplies"
SDS are on online database for all Fender Morgan facilities

Does the IU have written procedures (SOP's) when adding chemicals? ☐ Y ☑ N

Explain: Use a sprayer/hose, brush loading docks - more of a safety concern

Is it possible for wastewater to bypass the treatment system? ☐ Y ☑ N
All piping is linked to oil/water separator. Drains from holding tank area is recirculated back to oil/H_2O sep

Does IU implement work orders for maintenance of pretreatment equipment? ☐ Y ☑ N

Explain: Julianne (Env. Rep) oversees GAC filters maintenance

Type of discharge: ☐ Continuous ☑ Batch

Is batch wastewater sampled and tested prior to discharge? ☑ Y ☑ N EC and pH is tested prior
tested as being discharged (full test requirements)

How is batch discharge controlled (valve, computer, manually, etc.)?

Explain: Manually via valve labeled "sample port"

Does pretreatment system have on-line monitoring? ☑ Y ☐ N

Explain: monitor gal/min and pH prior to charcoal; control room recieves alarm if levels are high automatic shut off

Does system have alarms? ☑ Y ☐ N

Alarm response procedures: Scada system in control room; high level alarm

Can person conducting tour explain the treatment process? ☑ Y ☐ N

Operation difficulties during the last year? ☐ Y ☑ N

Is slug discharge plan required? ☐ Y ☑ N
Holdings tanks are contained 2°, they have a "trans-mix tank" for extra storage

Is written slug discharge plan available? ☐ Y ☑ N

Are storm water drains isolated from discharge or waste? ☑ Y ☐ N

SAMPLING and MONITORING

Sample type: ☑ Grab ☐ Composite ☐ Time Based ☐ Flow Proportional

Sampling point location description: A value labeled "Sample port" located on the northside of carbon filters.

(Please attach photos of sample locations and/or map)

Is sampling point isolated from domestic wastewater? ☑ Y ☐ N

When can representative samples be obtained? Explain: They are a batch discharger. Only time is when tank has accumulated enough wastewater.

Parameters Monitored	Frequency Monitored	Sample Type
pH	prior to discharge	control panel (on-line)
EC	prior to discharge	grab
flow		control panel (on-line)

Parameters monitored on-line? ☑ Y ☐ N Explain: flow, pH

Monitoring records available? ☐ Y ☑ N Location: they send info to Julianne (Env. Rep)

Reports submitted? ☑ Y ☐ N Explain: Julianne sends report after discharge

Name of laboratory performing analyses: BSK

HAZARDOUS MATERIAL STORAGE

Fresno County Hazardous Materials Business Plan: ☑ Y ☐ N
Refined petroleum products

Material in secondary containment? ☑ Y ☐ N
they have spcc plan

Discharge points from secondary containment? ☐ Y ☑ N

MSDS Posted: ☑ Y ☐ N

SPILL CONTROL and RESPONSE:

Written plan? ☑ Y ☐ N Posted? online database ☑ Y ☐ N

Employees trained? ☑ Y ☐ N Explain: annual training, Julianne B in charge of haz. waste storage training

Is spill containment equipment available? ☑ Y ☐ N
boom, absorbents, maintenance response trailer

Can spills enter sewer drains? ☐ Y ☑ N
no sewer drains – only sinks/bathrooms and pretreatment system

Are potential spills hazardous to collection system/WWTF? ☐ Y ☑ N

WASTE

Does facility generate hazardous waste? ☑ Y ☐ N
considered big generator of haz. waste (tanks of refined petroleum)

Describe process producing waste: _____

Characterization of waste: absorbent pads, small clean up, non-haz filters

Proper segregation of waste materials? ☑ Y ☐ N

Waste material in secondary containment? ☑ Y ☐ N

Describe: contained in drums

Waste manifests available? ☑ Y ☐ N

Mesa Environmental
clean tank

COMPLIANCE SUMMARY

Does permit require modification: ☑ Y ☐ N

Explain: include sampling point location

Are additional pretreatment processes required? ☐ Y ☑ N

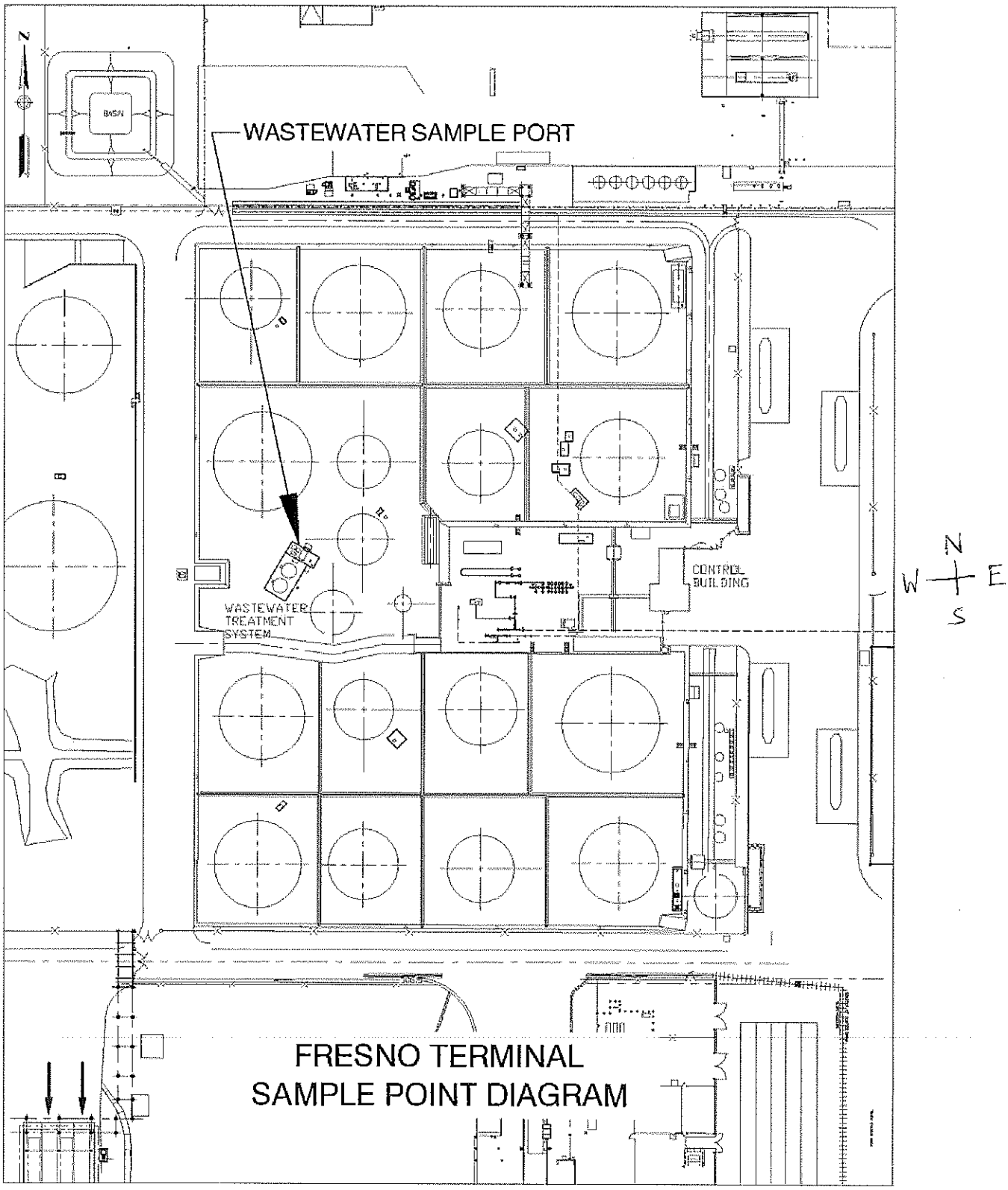
Explain: not at the moment

POST INSPECTION REPORT

Follow-up inspection: No

Inspector: Thomas Sphongsay Date: 11/02/2015

Attended By: Michael McWhorter Date: 11/02/2015
Ed Rebensdorf


WASTEWATER SAMPLE PORT
BASIN
WASTEWATER TREATMENT SYSTEM
CONTROL BUILDING
N
W
E
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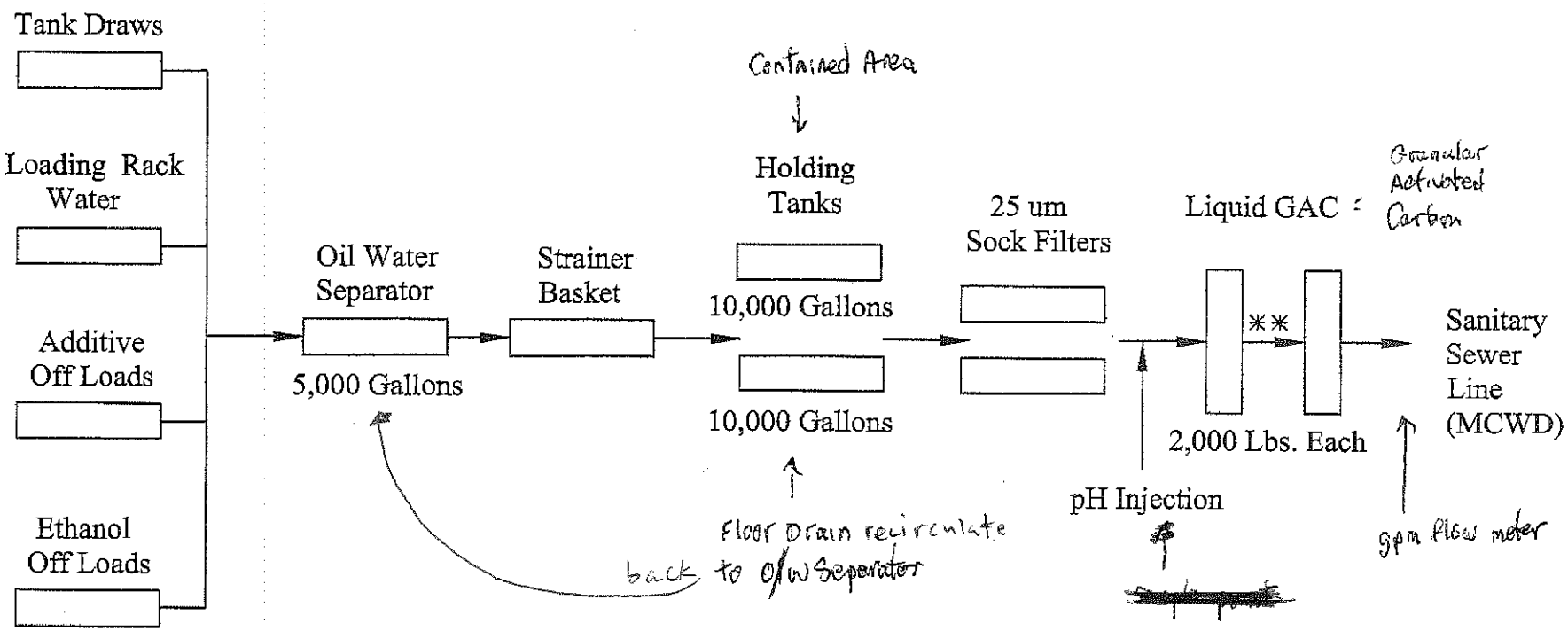
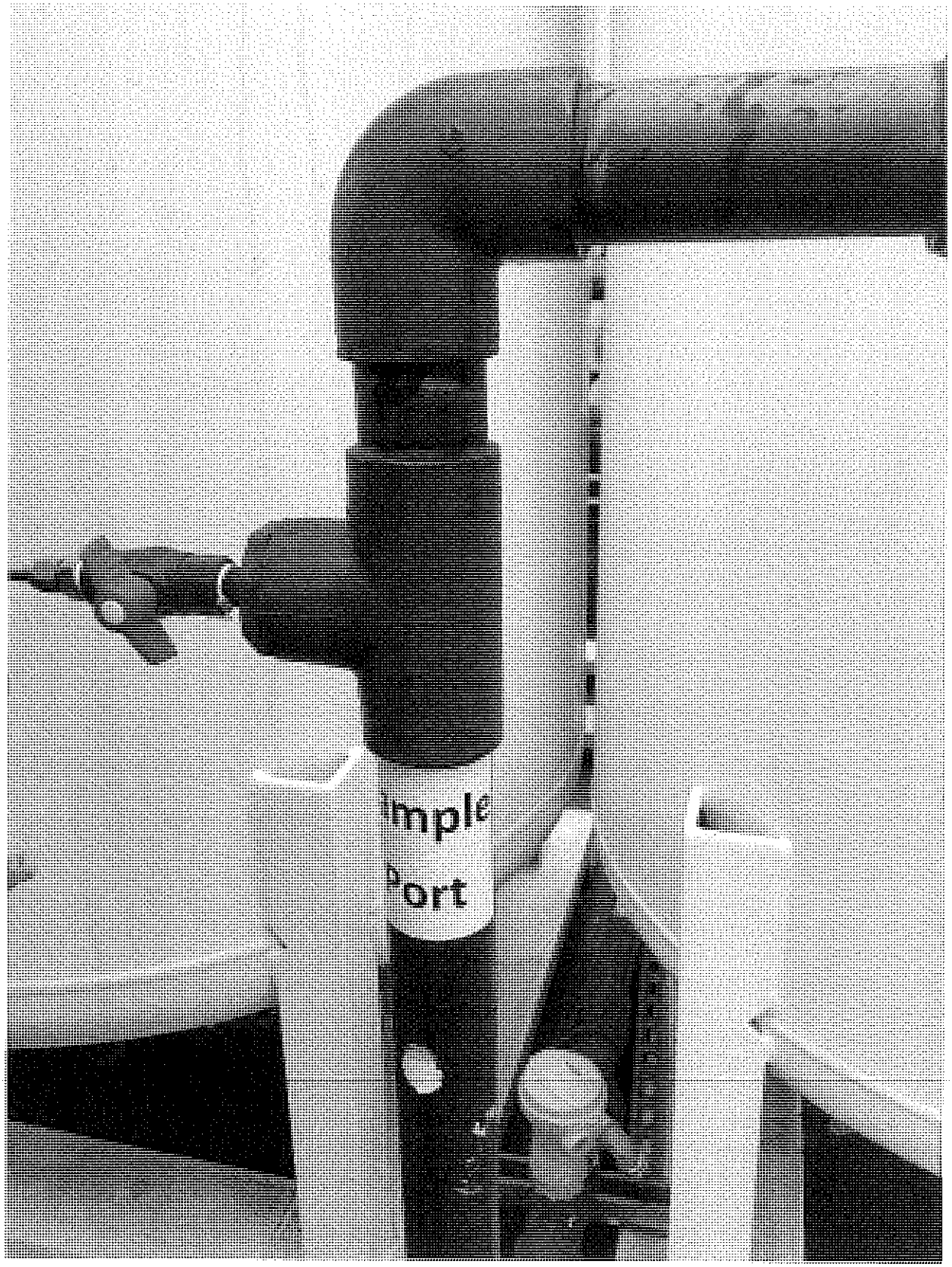
FRESNO TERMINAL
SAMPLE POINT DIAGRAM

FRESNO TERMINAL
WASTEWATER MANAGEMENT SYSTEM *



* Subject to Tiered Permitting - Conditional Authorization
** Liquid GAC to Operate In Series Mode

[FR-WASTEWATER]
[05-24-12]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NIALAGA COUNTY WATER DISTRICT
SERVING HOME AND INDUSTRY

Facility Inspection Report

☐ INITIAL ☑ ANNUAL ☐ FOLLOW-UP ☐ Other: _____

Date: 6-10-15

Time: 2:50

INDUSTRIAL USER PROFILE

Industry Name: Speedy Truck Wash

SIC No.: — Categorical No.: —

Address: 3846 S. Front Ave Telephone: 559-485-3300

Permit No. and Class: #1098, Class 1 APN: 331-130-37

Contact: Sukhdev Gill Title: Owner

Email: — Phone: 559-485-3300

Description of business activity: Commercial Truck Wash

Number of employees: ~6 Days and hours of operation: 12 hrs/day, ≈6 days/week

SAFETY

Does facility require employee PPE? ☑ Y ☐ N

PPE List: rubber boots, gloves, jumpsuit

Are safe operating practices evident? ☑ Y ☐ N

Security/Safety access requirements: None

BACKFLOW PREVENTOR

Present: ☐ Y ☐ N Water meter size: _____

Certified: ☐ Y ☐ N Water meter operational: ☐ Y ☐ N

FLOW DATA:

Size of sewer discharge pipe: 6" in manhole ← District info

Discharge wastewater flow rate: NA

Discharge wastewater metered? ☐ Y ☑ N

Does IU report flow data? ☐ Y ☑ N

Frequency: —

They have a series of floor channels that divert "all" wash water to the central drain

PRETREATMENT and DISCHARGE

Plumbing: # Sinks: — # Showers: — # Toilets: — # Floor Drains: 1 central drain

Does facility have a pretreatment system? – trough to filter solids ☑ Y ☐ N

– Worker did not know what it was, not sure if it is operational oil/water separator?

Does IU have a schematic/process flow diagram? ☐ Y ☑ N
(Please attach applicable diagrams)

Description of processes generating wastewater: They wash trucks. (1.) Soap pressure wash. (2.) Hand apply/scrub hard to reach areas (3.) Rinse with H_2O (4) Wax

Type of wastewater pretreatment system:

☐ Absorption	☐ Gravity Separation	☑ ? Oil Water Separator
☐ Adsorption	☐ Ion Exchange	☐ Grit Separator
☐ Clarification	☐ Membrane Processes	☐ Coagulation
☐ Neutralization	☐ Coalescing	☐ Oxidation/Reduction
☑ Filtration	☐ Precipitation	☐ Flocculation
☐ Distillation	☐ Flotation	☐ Other: _____

(trough) they hand clean all solids/rags ~~before~~ ≈3 times/month

Is source water pretreated with softeners? ☐ Y ☑ N

Type system used: —

Are detergents or additives in use? ☑ Y ☐ N powder detergent

Types of detergents or additives: biodegradable Zep brand tonic wash formula (see attachment)

Does the IU have written procedures (SOP's) when adding chemicals? ☐ Y ☑ N

Explain: They use 2½ gallons of detergent for 55 gallon drums of H_2O

Is it possible for wastewater to bypass the treatment system? ☑ Y ☐ N

Possibly, if wastewater divert away from floor channels

Does IU implement work orders for maintenance of pretreatment equipment? ☐ Y ☑ N

Explain: they did not know the purpose of the machine (oil/water separator?)

Type of discharge: ☑ Continuous ☐ Batch

Is batch wastewater sampled and tested prior to discharge? ☐ Y ☑ N

How is batch discharge controlled (valve, computer, manually, etc.)?

Explain: —

Does pretreatment system have on-line monitoring? ☐ Y ☑ N

Explain: EC/pH monitor outside is not operational or accurate

Does system have alarms? ☐ Y ☑ N

Alarm response procedures: NA

Can person conducting tour explain the treatment process? ☐ Y ☑ N

They were simply workers, they did not know what the pretreatment system was for.

Operation difficulties during the last year? ☐ Y ☑ N

Is slug discharge plan required? ☐ Y ☑ N

Should probably have them relocate drums of detergent or place barriers around it

Is written slug discharge plan available? ☐ Y ☑ N

Are storm water drains isolated from discharge or waste? ☐ Y ☑ N

There is 1 storm drain, They say wastewater does not flow to storm drain from potential

SAMPLING and MONITORING

Sample type: NA ☐ Grab ☐ Composite ☐ Time Based ☐ Flow Proportional

Sampling point location description: The west compartment of the metal bin (pretreatment system). There is a pipe connected to the west side of the bin that ultimately links to the sewer.

(Please attach photos of sample locations and/or map)

Is sampling point isolated from domestic wastewater? ☑ Y ☐ N

When can representative samples be obtained? Explain: random days when truck washing activity is steady

Parameters Monitored	Frequency Monitored	Sample Type
None		

Parameters monitored on-line? ☐ Y ☑ N Explain: EC+pH meter outside is not valid

Monitoring records available? ☐ Y ☑ N Location: NA

Reports submitted? ☐ Y ☑ N Explain: haven't been required to do so

Name of laboratory performing analyses: —

HAZARDOUS MATERIAL STORAGE

Fresno County Hazardous Materials Business Plan: ☐ Y ☑ N

Material in secondary containment? ☐ Y ☑ N

Drums of detergent stored inside washing bay

low potential for spill

Discharge points from secondary containment? ☑ Y ☐ N

Location of storage is far from central drain

MSDS Posted: ☐ Y ☑ N

SPILL CONTROL and RESPONSE:

Written plan? ☐ Y ☑ N Posted? ☐ Y ☑ N

Employees trained? ☐ Y ☐ N Explain:_____

Is spill containment equipment available? ☐ Y ☐ N

Can spills enter sewer drains? ☑ Y ☐ N — highly unlikely

low potential, if drums were to somehow spill and powder comes into contact w/ H_2O

Are potential spills hazardous to collection system/WWTF? ☑ Y ☐ N

WASTE

Does facility generate hazardous waste? ☐ Y ☑ N

Describe process producing waste: — NA

Characterization of waste: — NA

Proper segregation of waste materials? NA ☐ Y ☐ N

Waste material in secondary containment? NA ☐ Y ☐ N

Describe: —

Waste manifests available? NA ☐ Y ☐ N

COMPLIANCE SUMMARY

Does permit require modification: possibly in near future ☑ Y ☐ N

Explain: Will need to do more research, MSDS, upcoming local limits study

Are additional pretreatment processes required? ☑ Y ☐ N

Explain: possibly

POST INSPECTION REPORT

Follow-up inspection: not at the moment / must research EC

Inspector: Thomas Sphongsay Date: 6-10-15

Attended By: Sukder Date: 6-10-15

FORMULA 965™

PREMIUM CAR AND TRUCK WASH

17 G.

•FOR AUTOMATIC, SELF-SERVICE
AND MANUAL WASHING SYSTEMS
• HEAVY-DUTY CONCENTRATE
EXCELLENT BRUSH LUBRICATION
• PRE-RINSE COMPOUND

Highly concentrated blend of detergents, builders, emulsifiers, wetting agents, and water softeners. Formulated for brush type, pressure systems, and manual car and truck wash operations. Designed for real cost savings per unit as well as excellent cleaning qualities.

DIRECTIONS:

A liquid concentrate, for use in all areas of car wash operations for both manual and automatic applications, may be prepared by dissolving 1 pound per gallon of water at 70°F (21°C). Concentrate may be used for further proportioning just as you would use a regular liquid concentrate.

AUTOMATIC CAR WASH OPERATIONS:

1. For pre-rinse, add 10 lbs. per 50 gallons of water and inject into prerinse station at normal dilution using hot or warm water.
2. Brush application, add 1 to 3 lbs. per 100 gallons of water contained in the solution tank.
3. Rinse vehicle surfaces before applying rinse wax.

MANUAL CAR WASHING:

1. Add 1 to 2 oz. per gallon of hot water and apply by wiping, brushing, or using pressure washer. Do not allow solution to dry on car surface.
2. Rinse cleaned areas with clear water.
3. Wipe dry or allow surface to air dry.

SELF SERVICE CAR WASH:

1. Premix 15 lbs. per 50 gallons of water and proportion through Hydrominder (grey tip) into second tank; or premix 1-2 lbs. per 50 gallons of water.
2. Proportion this solution into hot water wash line through needle valve.
3. Rinse thoroughly after washing car or truck.

BIODEGRADABLE: All detergents used in the manufacture of this product are biodegradable.

CAUTION!

CAUSES EYE IRRITATION

Contact may produce skin and severe eye irritation. DO NOT swallow this product. Further information on the effects of overexposure is included on the Material Safety Data Sheet, which is available upon request.

Zep advocates limiting exposure to all chemical products. Wearing goggles or tight-fitting safety glasses is recommended, especially for contact lens wearers. The use of rubber, neoprene, nitrile, or other resistant gloves is strongly recommended for prolonged use. Wear dust excluding clothing. Remove contaminated clothing promptly and **DO NOT** rewear until thoroughly cleaned. After handling, wash hands thoroughly with soap and water.

FIRST AID:

EYES: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

SKIN: Immediately flush contaminated skin with plenty of water for at least 15 minutes. Get medical attention if irritation develops.

INHALATION: Move affected person to fresh air. Get medical attention immediately if irritation persists.

INGESTION: If this product is swallowed, **DO NOT** induce vomiting. If affected person is conscious, give plenty of water to drink. Get medical attention at once.

DISPOSAL AND/OR SPILL INFORMATION: As with all cleaning and maintenance procedures, run-off from the cleaning or maintenance process should be diverted to a collection vessel, or where permitted, to a sanitary sewer (consult local and state regulations) and not allowed to soak into the ground or to enter a storm sewer. If this product is spilled or contaminated and cannot be used, creating the need for disposal, pick up and deposit spilled material in a sealable container for disposal. Rinse area well with water.

STORAGE: To seal out moisture, keep container tightly closed when not in use. Store in a dry area.

Zep®

BEFORE USING THIS PRODUCT, PLEASE READ THIS ENTIRE LABEL.
FOR ADDITIONAL INFORMATION REFERENCE THE PRODUCT SAFETY DATA SHEET (SDS).

KEEP OUT OF REACH OF CHILDREN
FOR INDUSTRIAL AND INSTITUTIONAL USE ONLY
NOT FOR HOUSEHOLD USE OR RESALE

W576-1

#057740

2502336

NIALAGA COUNTY WATER DISTRICT
SERVING HOME AND INDUSTRY

Facility Inspection Report

☐ INITIAL ☑ ANNUAL ☐ FOLLOW-UP ☐ Other: _____

Date: 10/19/2015

Time: 2:15 pm

INDUSTRIAL USER PROFILE

Industry Name: Stratas Foods

SIC No.: 2079 Categorical No.: NA

Address: 3390 S. Chestnut Ave. Telephone: (559) 495-45[redacted]27

Permit No. and Class: 1008, Class 1 APN: 331-071-275 & 331-071-305

Contact: Veronica Perez Title: (559) 495-4527

Email: Veronica.Perez@stratasfoods.com Phone: Environmental Specialist

Description of business activity: Package cooking oil

Number of employees: 75 Days and hours of operation: 24 hrs ; 5 days/week

SAFETY

Does facility require employee PPE? ☑ Y ☐ N

PPE List: safety glasses, boots, hearing protection, aprons, hair nets

Are safe operating practices evident? ☑ Y ☐ N

Security/Safety access requirements: Check in with guard at check station (shack)

BACKFLOW PREVENTOR

Present: [✓] Y [ ] N Water meter size: NA

Certified: [✓] Y [ ] N Water meter operational: [✓] Y [ ] N

FLOW DATA:

Size of sewer discharge pipe: they said 10" or 8" (what they reported earlier)

Discharge wastewater flow rate: varies; they batch discharge

Discharge wastewater metered? [✓] Y [ ] N they have flowmeter calibrated

Does IU report flow data? [✓] Y [ ] N

Frequency: They report daily flow on their monthly report

PRETREATMENT and DISCHARGE

Plumbing: # Sinks: 17 # Showers: 8 # Toilets: 14 # Floor Drains: many floor drains in packaging area see attached site map

Does facility have a pretreatment system? [✓] Y [ ] N

Does IU have a schematic/process flow diagram? [✓] Y [ ] N
(Please attach applicable diagrams)

Description of processes generating wastewater: Wash down from packaging area (water soap oil.) exits via drains and ends up in oil pit (pretreatment)

Type of wastewater pretreatment system:

[ ] Absorption	[ ] Gravity Separation	[✓] Oil Water Separator
[ ] Adsorption	[ ] Ion Exchange	[ ] Grit Separator
[ ] Clarification	[ ] Membrane Processes	[ ] Coagulation
[ ] Neutralization	[ ] Coalescing	[ ] Oxidation/Reduction
[ ] Filtration	[ ] Precipitation	[ ] Flocculation
[ ] Distillation	[✓] Flotation (oil skimming)	[ ] Other:

Is source water pretreated with softeners? ☐ Y ☑ N

Type system used: They use raw water for wash down process

Are detergents or additives in use? - soap for washdown ☑ Y ☐ N

Types of detergents or additives: Tough on Grease, (see MSDS) 2° contained/gate locked

Does the IU have written procedures (SOP's) when adding chemicals? ☑ Y ☐ N

Explain: They have training for workers (records on computer; Veronica called it the "matrix")

Is it possible for wastewater to bypass the treatment system? ☐ Y ☑ N

all drains lead to oil pit, oil pit recirculates until limits are reached
North chamber connected (looped) into oil/water separator

Does IU implement work orders for maintenance of pretreatment equipment? ☑ Y ☐ N

Explain: They have in-house maintenance, will contract other technical duties

Type of discharge: ☐ Continuous ☑ Batch – discharge time varies, but they discharge almost daily

Is batch wastewater sampled and tested prior to discharge? ☑ Y ☑ N – they have online monitoring system

they test when doing self-monitoring requirements

How is batch discharge controlled (valve, computer, manually, etc.)?

Explain: ~~Computer~~ Control panel, manually press a button for discharge

Does pretreatment system have on-line monitoring? ☑ Y ☐ N

Explain: Control panel monitors EC, pH

Does system have alarms? ☑ Y ☐ N

Alarm response procedures: Alarm comes on when limits are reached, ready to discharge

Can person conducting tour explain the treatment process? ☑ Y ☐ N

Operation difficulties during the last year? ☐ Y ☑ N

Is slug discharge plan required? ☐ Y ☑ N

Is written slug discharge plan available? ☐ Y ☑ N

Are storm water drains isolated from discharge or waste? ☑ Y ☐ N

They had storm pond inspected last year

SAMPLING and MONITORING

Sample type: ☑ Grab ☐ Composite ☐ Time Based ☐ Flow Proportional

Sampling point location description: (001) There is a valve located near the oil pit. - see attached site map for 001

(Please attach photos of sample locations and/or map)

Is sampling point isolated from domestic wastewater? ☑ Y ☐ N

When can representative samples be obtained? Explain: Discharge varies each day. We have to call them ahead of time to collect grab sample.

check it - have it twice/week

Parameters Monitored	Frequency Monitored	Sample Type
EC	daily online monitoring	NA, electronic reading
pH	daily online monitoring	NA, electronic reading

calibrate

Parameters monitored on-line? ☑ Y ☐ N Explain: they monitor EC and pH

Monitoring records available? ☑ Y ☐ N Location: log sheets

Reports submitted? ☑ Y ☐ N Explain: they submit monthly

Name of laboratory performing analyses: BSK laboratories

HAZARDOUS MATERIAL STORAGE

Anhydrous ammonia, acetylene

Fresno County Hazardous Materials Business Plan: ☑ Y ☐ N

Material in secondary containment? ☑ Y ☐ N

Discharge points from secondary containment? ☐ Y ☑ N

MSDS Posted: ☐ Y (No) ☑ N

They had it readily available

SPILL CONTROL and RESPONSE:

Written plan? [✓] Y [ ] N Posted? [ ] Y [✓] N They had it readily available

Employees trained? [✓] Y [ ] N Explain: It is part of their training "matrix"

Is spill containment equipment available? They have spill containment equipment in ~~storage~~ bins scattered throughout the warehouse [✓] Y [ ] N

Can spills enter sewer drains? [✓] Y [ ] N

Technically spills can enter drains but they have spill equipment to block drains and vacuum spill.

Are potential spills hazardous to collection system/WWTF? [ ] Y [✓] N

WASTE

Does facility generate hazardous waste? [✓] Y [ ] N

Describe process producing waste: in-house laboratory waste chemicals

Characterization of waste: lab waste chemicals hauled off by T&M haz. waste

Proper segregation of waste materials? [✓] Y [ ] N

Waste material in secondary containment? [✓] Y [ ] N

Describe: lab waste stored in lab room only

Waste manifests available? [✓] Y [ ] N

COMPLIANCE SUMMARY

Does permit require modification: ☐ Y ☑ N

Explain: Cannot foresee the need for changes at this moment

Are additional pretreatment processes required? ☐ Y ☑ N

Explain: none at this time

POST INSPECTION REPORT

Follow-up inspection: _____

Inspector: Thomas Siphongsay & Caed Clark Date: 10-19-2015

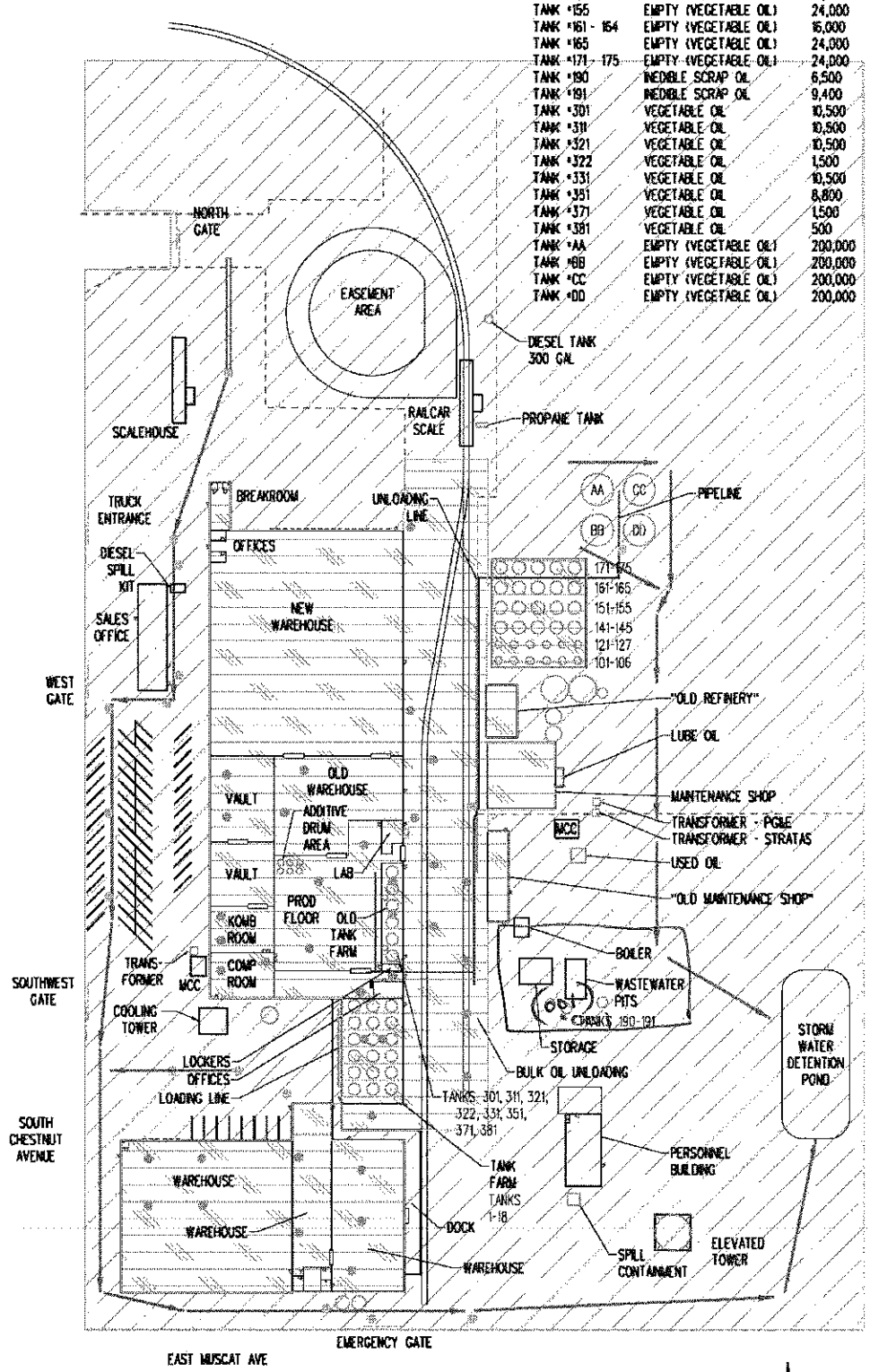
Attended By: Veronica Perez Joe Anderton Date: 10-19-2015

LEGEND

- FLOW LINE TO STORM WATER DETENTION
- DRAIN TO STORM WATER DETENTION
- DRAIN TO WASTEWATER PIT

TANK CAPACITIES

TANK #1 - 18	VEGETABLE OIL	30,000
TANK #101 - 106	EMPTY (VEGETABLE OIL)	6,667
TANK #121 - 127	EMPTY (VEGETABLE OIL)	10,667
TANK #141 - 144	EMPTY (VEGETABLE OIL)	16,000
TANK #145	EMPTY (VEGETABLE OIL)	24,000
TANK #151 - 154	EMPTY (VEGETABLE OIL)	16,000
TANK #155	EMPTY (VEGETABLE OIL)	24,000
TANK #161 - 164	EMPTY (VEGETABLE OIL)	16,000
TANK #165	EMPTY (VEGETABLE OIL)	24,000
TANK #171 - 175	EMPTY (VEGETABLE OIL)	24,000
TANK #190	INEDIBLE SCRAP OIL	6,500
TANK #191	INEDIBLE SCRAP OIL	9,400
TANK #301	VEGETABLE OIL	10,500
TANK #311	VEGETABLE OIL	10,500
TANK #321	VEGETABLE OIL	10,500
TANK #322	VEGETABLE OIL	1,500
TANK #331	VEGETABLE OIL	10,500
TANK #351	VEGETABLE OIL	8,800
TANK #371	VEGETABLE OIL	1,500
TANK #381	VEGETABLE OIL	500
TANK #AA	EMPTY (VEGETABLE OIL)	200,000
TANK #BB	EMPTY (VEGETABLE OIL)	200,000
TANK #CC	EMPTY (VEGETABLE OIL)	200,000
TANK #DD	EMPTY (VEGETABLE OIL)	200,000



RUNOFF

TO THE WASTE WATER PIT IS 219,000 SQ FT

TO THE STORM WATER DETENTION POND IS 671,000 SQ FT

DRAWN STAGE	AS BUILT
Site Plan	
Stratas FOODS, LLC	
FRESNO, CA	
SHEET	OF
PROJECT	
VER	
REV	
MODIFIED BY	Bolte, Jim
DATE	10/26/12
CREATED BY	Bolte, Jim
DATE	10/18/12
SCALE	NTS

THIS DRAWING IS THE PROPERTY OF THE ARCHER DANIELS MIDLAND CO. IT IS NOT TO BE REPRODUCED, DISTRIBUTED, COPIED, LOANED OR USED WITHOUT PERMISSION OF AN AUTHORIZED REPRESENTATIVE OF THE COMPANY.

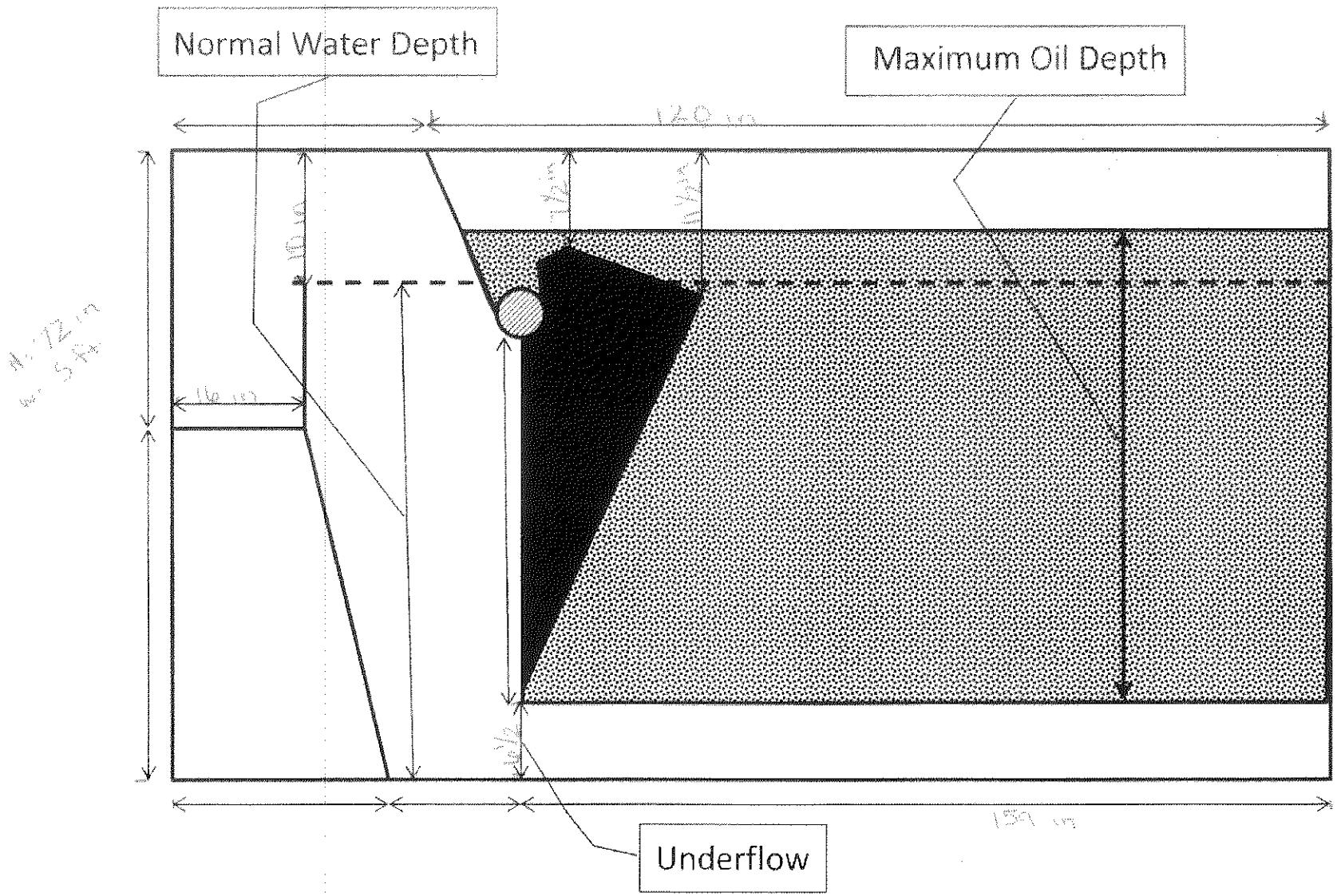
ADM

ENGINEER/DESIGNER

DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE

PROJECT MANAGER

c:\pw_work\dms71\25741\01701.dgn


Normal Water Depth
Maximum Oil Depth
Underflow
120 in
159 in
16 in
4.72 in

Facility Inspection Report

☐ INITIAL ☑ ANNUAL ☐ FOLLOW-UP ☐ Other: _____

Date: 10-26-2015

Time: 10:40 am

INDUSTRIAL USER PROFILE

Industry Name: WestRock

SIC No.: 2653 Categorical No.: NA

Address: 3366 Muscat Avenue Telephone: 559-519-7268

Permit No. and Class: #1001, Class 1 APN: 331-071-315

Contact: Travis Johnson Title: Environ. & Safety Manager

Email: travis.johnson@westrock.com Phone: 559-519-7268

Description of business activity: Produce corrugated cardboard; print labels on boxes

Number of employees: 140 Days and hours of operation: M-F 24 hrs.; Sometimes Satur.

SAFETY

Does facility require employee PPE? ☑ Y ☐ N

PPE List: hearing protection, safety goggles, hard hat, steel toed boots

Are safe operating practices evident? ☑ Y ☐ N

Security/Safety access requirements: Enter through front gate; gate code

BACKFLOW PREVENTOR

Present: ☑ Y ☐ N Water meter size: 4"

Certified: ☑ Y ☐ N Water meter operational: ☑ Y ☐ N

FLOW DATA:

Size of sewer discharge pipe: 8"

Discharge wastewater flow rate: 3,000 – 7,000 gallons daily average

Discharge wastewater metered? ☑ Y ☐ N

weekly flow Does IU report flow data? ☑ Y ☐ N

Frequency: quarterly reports

*all drains are linked to lift station for treatment
2 @ corrugator
4 @ converting

PRETREATMENT and DISCHARGE

Plumbing: # Sinks: 20 – 30 # Showers: 5 # Toilets: ~20 # Floor Drains:

Does facility have a pretreatment system? ☑ Y ☐ N
– reuse water for starch making process
– does not enter Malaga sewer

Does IU have a schematic/process flow diagram? ☑ Y ☐ N
(Please attach applicable diagrams) see attached

Description of processes generating wastewater: cooling tower blowdown is the only discharge to collection system. (not pretreated)

Type of wastewater pretreatment system:

☐ Absorption	☐ Gravity Separation	☐ Oil Water Separator
☐ Adsorption	☐ Ion Exchange	☐ Grit Separator
☐ Clarification	☐ Membrane Processes	☐ Coagulation
☐ Neutralization	☐ Coalescing	☐ Oxidation/Reduction
☑ Filtration	☐ Precipitation	☑ Flocculation – treatment tank
☐ Distillation	☐ Flotation	☐ Other:

– filter cakes inspected by Health Department
– All Valley Environ. hauls cakes

Is source water pretreated with softeners? ☑ Y ☐ N

Type system used: generates a brine high in EC; hauled off site, 1/yr

Are detergents or additives in use? ☑ Y ☐ N

Types of detergents or additives: Starch makeup: caustics, Corn starch, non-VOCs (turbo max RT50)
flocculant to break solids

Does the IU have written procedures (SOP's) when adding chemicals? ☑ Y ☐ N

Explain: SOP's part of quality program/production; workers are trained

Is it possible for wastewater to bypass the treatment system? ☐ Y ☑ N
All drains are contained internally and tries into the neutralization/equalization tank. Design of building enables full containment

sump has a pump to recirculate any potential spill back to treatment tank

Does IU implement work orders for maintenance of pretreatment equipment? ☑ Y ☐ N

Explain: have work orders + preventative maintenance

Type of discharge: ☑ Continuous ☑ Batch Automated system discharge by the batch continuously.

Is batch wastewater sampled and tested prior to discharge? ☐ Y ☑ N It is monitored via probes, automatic

How is batch discharge controlled (valve, computer, manually, etc.)?

Explain: automatic monitoring system, opens valve when within permit limits. meters/probes

Does pretreatment system have on-line monitoring? ☑ Y ☐ N

Explain: pH, EC, gallons are monitored

Does system have alarms? ☑ Y ☐ N

Alarm response procedures: if operational difficulties, alarm goes on and will not open if not within permit limit

Can person conducting tour explain the treatment process? ☑ Y ☐ N

Operation difficulties during the last year? ☐ Y ☑ N

Is slug discharge plan required? No way for slug or spills to enter sewer due to design of drains. Slug loads would only result from increase production ☐ Y ☑ N — Will need to explain/document

Is written slug discharge plan available? ☐ Y ☑ N
they have spill control response plan

Are storm water drains isolated from discharge or waste? ☑ Y ☐ N

SAMPLING and MONITORING

weekly

Sample type: ☑ Grab ☐ Composite ☐ Time Based ☐ Flow Proportional

Sampling point location description: Monitoring station located east of the facility; there is a valve to collect grab samples

(Please attach photos of sample locations and/or map)

Is sampling point isolated from domestic wastewater? ☑ Y ☐ N

When can representative samples be obtained? Explain: Only grabs can be collected due to automated discharge system. Time to collect is based on random timing.

Parameters Monitored	Frequency Monitored	Sample Type
pH set @ 6-9	gives daily readings	automatic metered
EC	daily readings	automatic metered
set at 900 ~~mmhos~~/cm		
(below 950 limit)		
flow	weekly flow	meter — maintenance crew conduct calibrations

Parameters monitored on-line? ☑ Y ☐ N Explain: EC, pH daily readings in 20 min. intervals

Monitoring records available? ☑ Y ☐ N Location: "Wall Chem Report"

Reports submitted? ☑ Y ☐ N Explain: quarterly spreadsheet

Name of laboratory performing analyses: BSK laboratories

They have voluntarily submitted weekly reports with COC

HAZARDOUS MATERIAL STORAGE

oil, absorbents

Fresno County Hazardous Materials Business Plan: ☑ Y ☐ N

in 55 gallons, 50 lbs solids, have MSDS

Material in secondary containment? ☑ Y ☐ N

Drums, drains

Discharge points from secondary containment? ☑ Y ☐ N

Drains designed to recirculate to treatment tank

MSDS Posted: ☑ Y ☐ N

SPILL CONTROL and RESPONSE:

Written plan? ☑ Y ☐ N Posted? ☑ Y ☐ N

Employees trained? ☑ Y ☐ N Explain: trained annually

Is spill containment equipment available? ☑ Y ☐ N
absorbents, gutters guards, readily available throughout facility

Can spills enter sewer drains? ☐ Y ☑ N
All drains lead to ~~treatment~~ sewer tank, isolated from

Are potential spills hazardous to collection system/WWTF? ☐ Y ☑ N — no potential to enter Malaga sewer
Spills cannot leave property, building is designed to contain spills internally

WASTE

Does facility generate hazardous waste? ☑ Y ☐ N

Describe process producing waste: process equipment hazardous waste

Characterization of waste: waste oil, absorbents, filters, aerosols, etc.

Proper segregation of waste materials? ☑ Y ☐ N
oil drums w/labels, shipped 160 days, small quantity generator

Waste material in secondary containment? ☑ Y ☐ N

Describe: drums, drains

Waste manifests available? RCRA cradle to grave ☑ Y ☐ N

COMPLIANCE SUMMARY

Does permit require modification: ☑ Y ☐ N

Explain: Sampling point should be valve at same monitoring location east of facility. include picture of valve

Are additional pretreatment processes required? ☐ Y ☑ N

Explain: —

POST INSPECTION REPORT

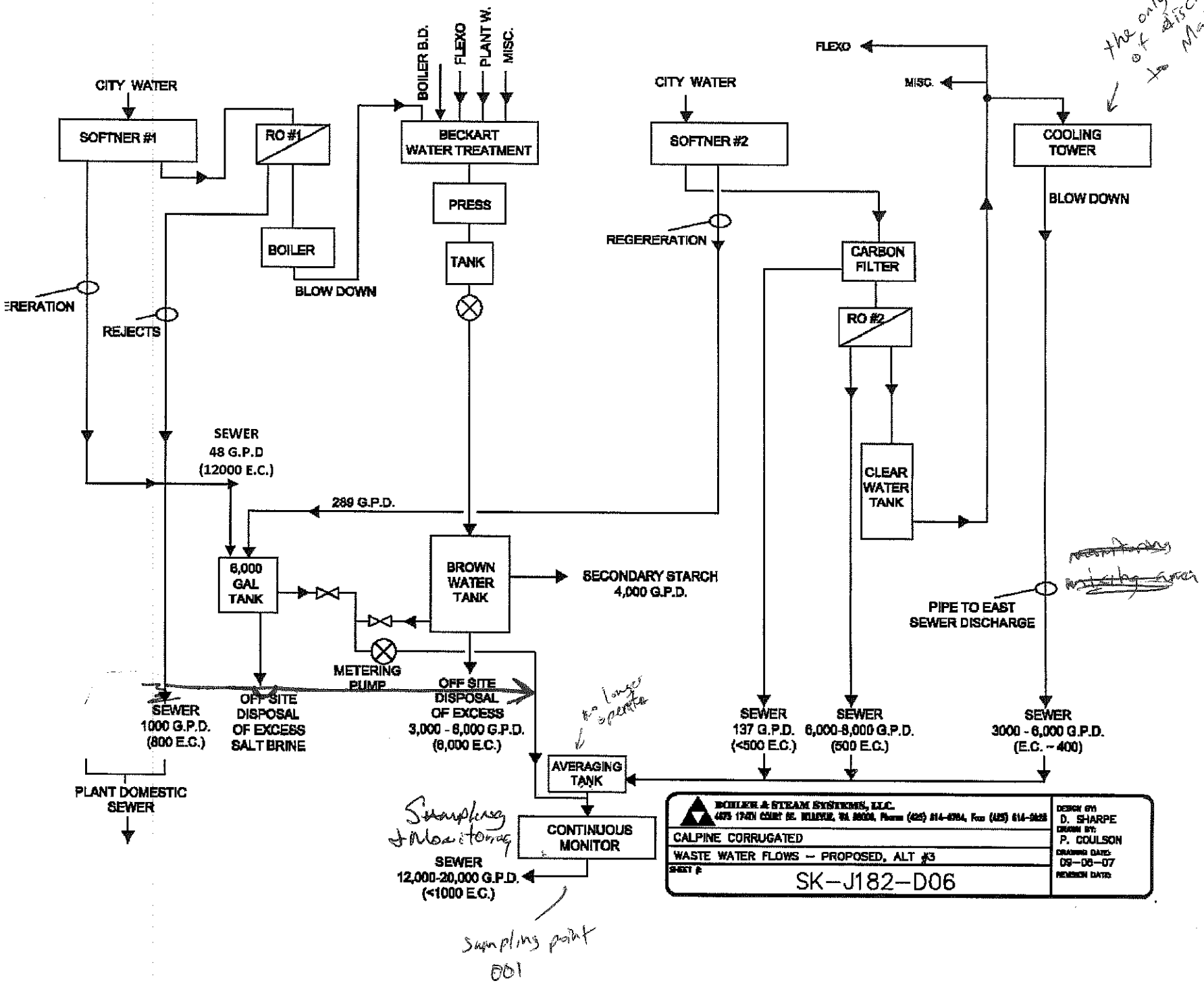
WestRock is in full compliance. No evidence of any puddles or spills as noted in the previous inspection conducted by EPA Contractor.

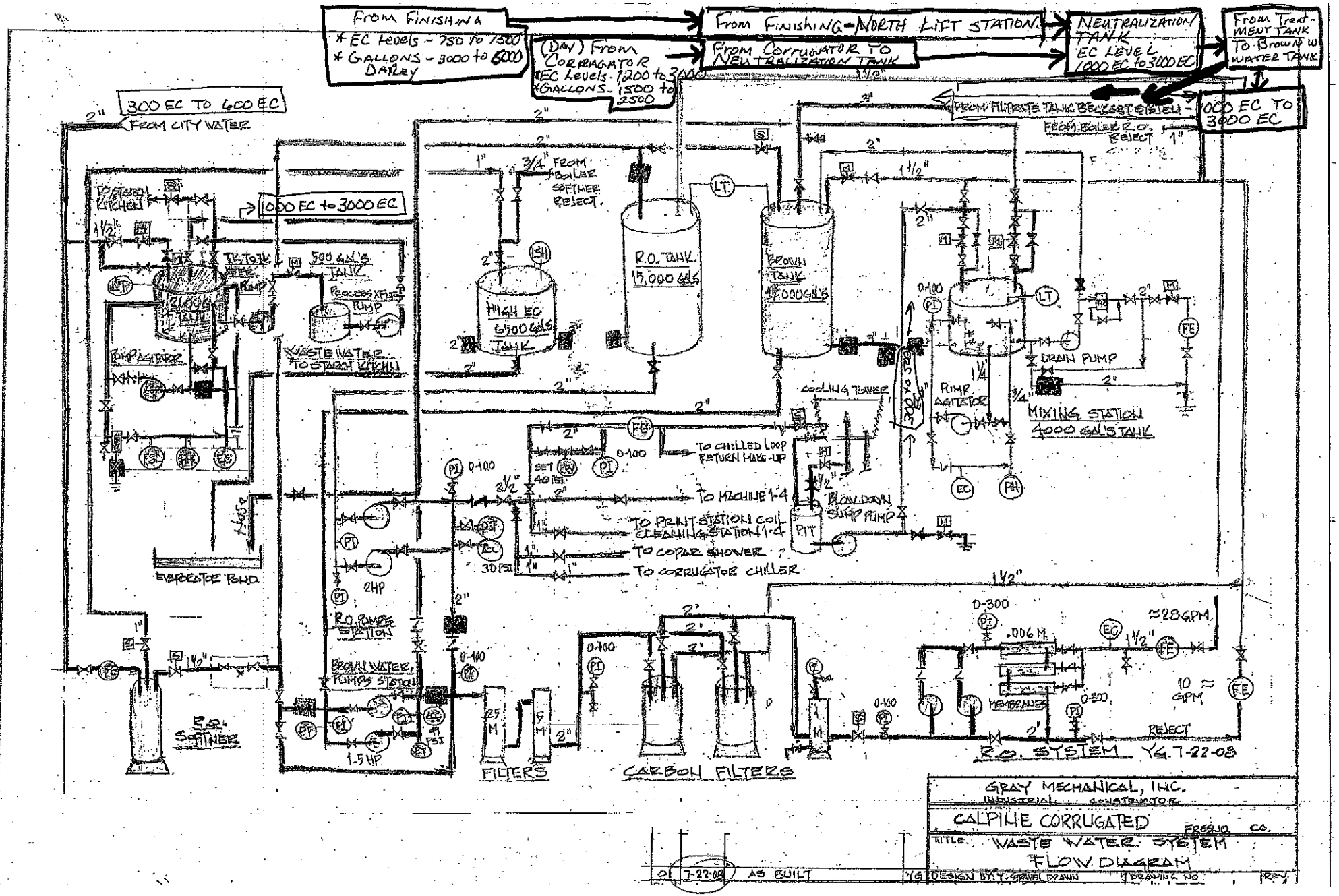
Note for inspector: slug is not possible (treatment tank), increase in discharge flow is possible if production increases.

Follow-up inspection: No

Inspector: Thomas Siphongsay Date: 10-26-2015

Attended By: Travis Johnson Date: 10-26-2015


CITY WATER
SOFTNER #1
RO #1
BOILER
BLOW DOWN
BOILER B.D.
FLEXO
PLANT W.
MISC.
BECKART WATER TREATMENT
PRESS
TANK
REJECTS
SEWER 48 G.P.D (12000 E.C.)
289 G.P.D.
6,000 GAL TANK
BROWN WATER TANK
SECONDARY STARCH 4,000 G.P.D.
METERING PUMP
SEWER 1000 G.P.D. (800 E.C.)
OFF SITE DISPOSAL OF EXCESS SALT BRINE
OFF SITE DISPOSAL OF EXCESS 3,000 - 6,000 G.P.D. (6,000 E.C.)
PLANT DOMESTIC SEWER
AVERAGING TANK
CONTINUOUS MONITOR
SEWER 12,000-20,000 G.P.D. (<1000 E.C.)
CITY WATER
SOFTNER #2
REGERERATION
CARBON FILTER
RO #2
CLEAR WATER TANK
FLEXO
MISC.
COOLING TOWER
BLOW DOWN
PIPE TO EAST SEWER DISCHARGE
SEWER 137 G.P.D. (<500 E.C.)
SEWER 6,000-8,000 G.P.D. (500 E.C.)
SEWER 3000 - 6,000 G.P.D. (E.C. ~ 400)
the only source of discharge to Malaga
no longer operate
Sampling + Monitoring
Sampling point 001
BOILER & STEAM SYSTEMS, LLC.
CALPINE CORRUGATED
WASTE WATER FLOWS -- PROPOSED, ALT #3
SK-J182-D06
D. SHARPE
P. COULSON
09-06-07



01	7-22-08	As Built	YG	Design By: Y. Gravel Drawn

GRAY MECHANICAL, INC.
INDUSTRIAL CONSTRUCTOR
CALPINE CORRUGATED FRESNO, CA.
TITLE: WASTE WATER SYSTEM FLOW DIAGRAM
DRAWING NO. REV.

Old map

Attachment C: Slug Assessment Form

Slug Assessment Form

A. GENERAL INFORMATION

Facility: _____

Address: _____

Facility Representative: _____ Class: _____

B. CHEMICALS *(flammable, corrosive, non-biodegradable, causes heat, creates toxic gas)*

1. Type of chemicals used/stored: _____

_____

_____

2. Where are chemicals stored? _____

_____

3. How much chemicals are used/stored? _____

_____

4. Are chemicals contained/how are they handled: _____

_____

_____

C. DISCHARGE

5. Describe discharge practices, including non-routine batch discharges: _____

_____

_____

6. If Batch, how is discharge controlled? _____

_____

_____

7. Location of drains: _____

_____

8. Are drains protected: _____

_____

Is facility required to have a slug discharge control plan? YES NO

Notes:

Attachment D: Example Slug Assessment Form for Nondomestic Users

Slug Assessment Form

A. GENERAL INFORMATION

Facility: Trulite Glass & Aluminum Solutions (formerly Western State Glass)

Address: 2775 E. Malaga Ave. Fresno, CA 93725

Facility Representative: Jaime Luna – Plant Manager Class: 3

B. CHEMICALS *(flammable, corrosive, non-biodegradable, causes heat, creates toxic gas)*

1. Type of chemicals used/stored: Glass coolant (Mirror Grind 5449) is a liquid solution that is used to cool the glass as it enters to the polishing machine. Cerium Oxide Glass Polishing Powder is used to polish the glass. Other chemicals are onsite but are not discharged (glass sealant).

2. Where are chemicals stored? Majority of chemicals are stored in a central area with no nearby drains or sewer access points.

3. How much chemicals are used/stored? The facility does not have bulk chemicals onsite. Some chemicals are in barrels (less than 55 gallons), but the majority of chemicals are in small buckets (~5 gallon bucket).

4. Are chemicals contained/how are they handled: Chemicals are manually transferred to the polishing machine. Chemicals are contained in drums and buckets stacked on top of pallets.

C. DISCHARGE

5. Describe discharge practices, including non-routine batch discharges: It was estimated that discharge occurs every two weeks when the polishing machine area is cleaned/washed down. Discharge volume is minimal (outside compartment causes discharge to slowly trickle to sewer).

6. If Batch, how is discharge controlled? Discharge can be continuous if continuous wash down should occur. There is no monitoring system and discharge is not yet tested prior to discharge.

7. Location of drains: There is one central trough that is linked to the separator compartment system located outside the facility. This central trough collects wastewater from the polishing system. There are no other drains within the facility.

8. Are drains protected: The central trough is not protected and collects discharge to the outside compartment.

Is facility required to have a slug discharge control plan? YES (NO)

Notes: The facility does not generate enough wastewater to act as a slug nor does the facility use bulk amounts of chemicals. Discharge slowly trickles from the outside compartment.

Slug Assessment Form

A. GENERAL INFORMATION

Facility: Custom Ag Formulators

Address: 3430 S. Willow Ave Fresno, CA 93725

Facility Representative: Robbie Steward – Plant Manager Class: 3

B. CHEMICALS *(flammable, corrosive, non-biodegradable, causes heat, creates toxic gas)*

9. Type of chemicals used/stored: Acids, corrosives, dry materials (zinc, magnesium, etc.), glycols

10. Where are chemicals stored? Chemicals are stored in a central location in the warehouse where no drains are present. Chemicals are also stored outside of the warehouse and are contained.

11. How much chemicals are used/stored? There are 50 pound bags, tote-sized bags, and the two massive holding tanks are 7,200 gallons in volume.

12. Are chemicals contained/how are they handled: There is an area outside the facility where they fill totes and blend chemicals in tanks. This area is fully contained via a concrete wall that they constructed. This area has a drainage system that is linked to the massive holding tanks. Thus, any potential spill will not exit the area. Rinse water is hauled off via EE Trucking. Totes are filled via a hose and pump. Chemicals are handled manually in the blending area and bottled manually in the warehouse.

C. DISCHARGE

13. Describe discharge practices, including non-routine batch discharges: The facility does not discharge any non-domestic type waste.

14. If Batch, how is discharge controlled? The facility does not discharge any non-domestic type waste.

15. Location of drains: There are no drains connected to the sewer besides the ones in the restrooms/sinks. There is a drain in the chemical blending area that is linked to the two massive holding tanks.

16. Are drains protected: All drains in containment area divert spills into the holding tanks.

Is facility required to have a slug discharge control plan? YES (NO)

Notes: The facility does not discharge any non-domestic type waste. Their permit class will need to be changed from Class 3 to a Class 5 (non-domestic type waste).

Slug Assessment Form

A. GENERAL INFORMATION

Facility: American Warehouse Co., Inc.

Address: 3150 S. Willow Ave. Fresno, CA 93725

Facility Representative: Thomas Linton – VP of Operations Class: 5

B. CHEMICALS *(flammable, corrosive, non-biodegradable, causes heat, creates toxic gas)*

17. Type of chemicals used/stored: Crop protection & agricultural related chemicals

18. Where are chemicals stored? Throughout the warehouse complex

19. How much chemicals are used/stored? Facility does not process chemicals and there is no industrial activity. Warehouse is simply a storage and distribution center. There is a substantial amount of totes and boxed chemicals (warehouse has an area of over 400,000 sq. ft.)

20. Are chemicals contained/how are they handled: Chemicals are in totes and boxes/pallets. The warehouse is self-contained such that any potential spill will not enter any sewer line. Like many distribution centers, forklifts are used to handle bulk items. All employees are trained for spill response.

C. DISCHARGE

21. Describe discharge practices, including non-routine batch discharges: Facility is a storage center and does not discharge any non-domestic waste.

22. If Batch, how is discharge controlled? Facility is a storage center and does not discharge any non-domestic waste.

23. Location of drains/storm drains: Each building of the warehouse complex has a floor that is inclined inward towards a center drain. Hence, the facility is self-contained. The drains are not connected to the District sewer system. Drains are linked to the holding pond lined with bentonite clay.

24. Are drains protected: Self-containment drains are not protected. Drains are not connected to District sewer.

Is facility required to have a slug discharge control plan? YES (NO)

Notes: NA

Attachment E: MCWD Slug Discharge Control Plan

Malaga County Water District

Slug Discharge Control Plan

Slug Definition: "Any discharge of a non-routine, episodic nature, including but not limited to an accidental spill or a non-customary batch discharge, which has a reasonable potential to cause interference or pass through, or in any other way violate the POTW's regulations, local limits or permit conditions." [Title 40, Code of Federal Regulations, 403.8(f)(2)(vi)]

IMPORTANT: The Malaga County Water District shall be notified immediately in the event of a slug discharge and any discharge that would violate a prohibition under 40 CFR 403.5(b). The Malaga County Water District shall be notified by telephone at (559) 485-7353. A written report must be submitted to the Malaga County Water District within five (5) calendar days after an incident. The written report shall be submitted to the following address:

Malaga County Water District
3580 S. Frank
Fresno, CA 93725

1. Contact information of the person responsible for the implementation of the SDCP.

Name: _____

Title: _____

Phone #: _____

Emergency Phone #: _____

Working Hours: _____

2. Description of discharge practices, including non-routine batch discharges.

_____

_____

_____

_____

_____

_____

_____

_____

3. Location of drains, storm drains, and other access points to the sewer. Please attach any applicable site maps indicating the locations.

_____

_____

_____

_____

_____

_____

_____

4. List the name and quantity of all chemicals, solutions, liquids or raw materials which may enter the sewer or storm drain system in an event of a spill.

	Name	Quantity
A.	_____	_____
B.	_____	_____
C.	_____	_____
D.	_____	_____
E.	_____	_____

5. Procedures in place for the routine inspection and maintenance of potential spill sources (ex. storage areas, holding tanks, etc.).

_____

_____

_____

_____

_____

_____

_____

6. Procedures for the handling and transfer of materials and chemicals.

6. Procedures for loading and unloading materials and chemicals.

7. Procedures to control plant site runoff (excess water that overflows to surfaces).

8. Procedures to contain toxic organic pollutants, including solvents.

9. Worker training documentation for implementation of the SDCP.

10. List the abatement, containment and prevention plans that are proposed or currently in place. These can include spill containment structures or vessels, known drainage and containment patterns and/or established transfer procedures.

11. List the equipment, personnel, and resources to be used in the event of an emergency response to a slug load.

A. _____

B. _____

C. _____

D. _____

E. _____

12. List your company's standard operating procedures to be used in the event a spill occurs.

_____

_____

_____

_____

_____

_____

_____

_____

13. Contact information of the companies contracted or will be contracted for the recovery and/or removal of the spill from the facility.

A) Name: _____

Address: _____

Contact: _____

Phone #: _____

B) Name: _____

Address: _____

Contact: _____

Phone #: _____

14. I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for known violations. I also understand that applicable civil and criminal penalties may apply for any violations of pretreatment standards, requirements and/or compliance schedules.

_____

Name & Title of Representative

_____ _____

Signature of Representative Date of Signature

Attachment F: Written Response Form

Malaga County Water District

Slug Written Report Form

A written report detailing the date and time of the discharge, location of discharge, the type of waste, including concentration and volume, and any corrective actions taken must be submitted to the Malaga County Water District within five (5) calendar days of the incident.

Facility: _____

Address: _____

Name of Contact Person: _____

Phone: _____

Date discharge occurred: _____ Time discharge occurred: _____

Volume of discharge: _____

Type of waste: _____

Concentration: _____

Description of incident: _____

_____

_____

_____

_____

Corrective actions: _____

_____

_____

_____

_____

_____

Company responsible for clean up: _____

_____

_____

Attachment D

Public Outreach Flyer

MALAGA COUNTY WATER DISTRICT

3580 SOUTH FRANK STREET - FRESNO, CALIFORNIA 93725
PHONE: 559-485-7353 - FAX: 559-485-7319

What is a non-residential wastewater discharge permit?

Non-residential wastewater discharge permits are control mechanisms that the District implements as part of the Pretreatment Program in order to regulate what goes into the sewer. All facilities that discharge into the District's sewer system are required to have this permit and pay the associated fee. Discharge falls into the following two categories:

- Domestic waste or sanitary sewage (wastewater from the sinks and toilets)
- Non-domestic waste (by-products of industrial or commercial activities)

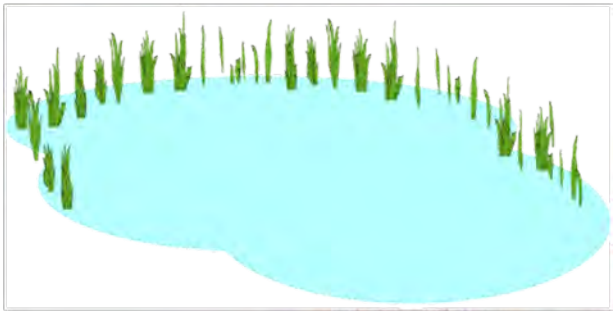
What is a Slug Discharge?

A Slug Discharge is a non-routine discharge that has a reasonable potential to adversely affect the District's wastewater treatment plant. Examples of Slug Discharges include accidental spills, intentional releases of concentrated wastewater, and discharge resulting from equipment or containment failure. According to your wastewater discharge permit, the District is required to be notified immediately in the event of a Slug Discharge. Failure to notify the District can result in enforcement action.
If you suspect that your facility has a potential for a Slug Discharge, please call the District to inform the Environmental Compliance Inspector of your situation.

Stormwater Basics

Stormwater is surface water resulting from rain or snow. Stormwater is a separate entity and should not be mixed with the processes of the wastewater treatment plant. Stormwater discharges into the sewer system can hydraulically impact the wastewater treatment plant and adversely affect the effectiveness of treatment.

Sanitary sewage and industrial wastewater is not permitted to be discharged into stormwater ponds and basins. Doing so can have a serious impact to the quality of our groundwater. If you suspect an issue with stormwater, please call the District to inform us about your situation.



Attachment E

Priority Pollutants: Influent

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate # 1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

March 26, 2015

Work Order #: BC10062

Jim Anderson
Malaga County Water District
3580 S. Frank
Fresno, CA 93725

RE: Priority Pollutants and Local Limits

Enclosed are the analytical results for samples received by our laboratory on 03/10/15 . For your reference, these analyses have been assigned laboratory work order number BC10062 .

All analyses have been performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, Moore Twining Associates, Inc. (MTA) is not responsible for use of less than complete reports. Results apply only to samples analyzed.

If you have any questions, please feel free to contact us at the number listed above.

Sincerely,

Moore Twining Associates, Inc.

Lisa Montijo
Client Services Representative

MOORE TWINING ASSOCIATES, INC.

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

California ELAP Certificate # 1371

Malaga County Water District
3580 S. Frank
Fresno CA, 93725

Project: Priority Pollutants and Local Limits
Project Number: Priority Pollutants and Local Limits
Project Manager: Jim Anderson

Reported:
3/26/15

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Inf-001	BC10062-01	Waste Water	03/10/15 14:00	03/10/15 15:30

MOORE TWINING ASSOCIATES, INC.

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

California ELAP Certificate # 1371

Malaga County Water District
3580 S. Frank
Fresno CA, 93725

Project: Priority Pollutants and Local Limits
Project Number: Priority Pollutants and Local Limits
Project Manager: Jim Anderson

Reported:
3/26/15

Inf-001

BC10062-01 (Waste Water)

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Inorganics										
Ammonia as N	**16**	1.0	0.038	mg/L	1	U5C1004	03/10/15	03/10/15	EPA 350.1	
Biochemical Oxygen Demand	**110**	30	30	mg/L	30	U5C1023	03/11/15	03/16/15	SM5210B	
Chloride	**67**	4.0	0.037	mg/L	2	U5C1018	03/10/15	03/10/15	EPA 300.0	
Cyanide (total)	**7.1**	5.0	2.8	µg/L	1	U5C1102	03/12/15	03/12/15	SM4500CN-E	
Specific Conductance (EC)	**1000**	1.0	0.26	µS/cm	1	U5C1025	03/10/15	03/11/15	SM2510B	
Fluoride	**4.7**	0.20	0.0072	mg/L	2	U5C1018	03/10/15	03/10/15	EPA 300.0	
Nitrate as Nitrogen	**2.3**	0.90	0.0080	mg/L	2	[CALC]	03/10/15	03/10/15	EPA 300.0	
Nitrate as NO3	**10**	4.0	0.035	mg/L	2	U5C1018	03/10/15	03/10/15	EPA 300.0	
Nitrite as N	ND	0.60	0.021	mg/L	2	U5C1018	03/10/15	03/10/15	EPA 300.0	
pH	**7.6**	0.10	0.10	pH Units	1	U5C1025	03/10/15	03/11/15	SM4500-H B	
Phosphorus	**7.9**	0.50	0.011	mg/L	1	U5C1204	03/12/15	03/12/15	EPA 365.4	
Total Suspended Solids	**98**	40	2.3	mg/L	10	U5C1202	03/12/15	03/12/15	SM 2540D	
Metals - Totals										
Aluminum	**1.1**	0.050	0.0072	mg/L	1	U5C1318	03/19/15	03/23/15	EPA 200.7	
Arsenic	ND	0.010	0.0023	mg/L	1	U5C1318	03/19/15	03/23/15	EPA 200.7	
Barium	**0.12**	0.010	0.00013	mg/L	1	U5C1318	03/19/15	03/23/15	EPA 200.7	
Boron	**0.13**	0.050	0.00083	mg/L	1	U5C1318	03/19/15	03/23/15	EPA 200.7	
Cadmium	**0.0021**	0.0010	0.00020	mg/L	1	U5C1318	03/19/15	03/23/15	EPA 200.7	
Calcium	**38**	0.10	0.0076	mg/L	1	U5C1318	03/19/15	03/23/15	EPA 200.7	
Chromium	**0.015**	0.0050	0.00091	mg/L	1	U5C1318	03/19/15	03/23/15	EPA 200.7	
Copper	**0.37**	0.0050	0.00095	mg/L	1	U5C1318	03/19/15	03/23/15	EPA 200.7	
Iron	**1.3**	0.10	0.017	mg/L	1	U5C1318	03/19/15	03/23/15	EPA 200.7	
Lead	**0.0063**	0.0050	0.0014	mg/L	1	U5C1318	03/19/15	03/23/15	EPA 200.7	
Magnesium	**17**	0.10	0.0091	mg/L	1	U5C1318	03/19/15	03/23/15	EPA 200.7	
Mercury	ND	0.60	0.10	µg/L	1	U5C1014	03/11/15	03/11/15	EPA 245.1	
Nickel	**0.0072**	0.0050	0.00051	mg/L	1	U5C1318	03/19/15	03/23/15	EPA 200.7	
Selenium	**0.0098**	0.020	0.0018	mg/L	1	U5C1318	03/19/15	03/23/15	EPA 200.7	**J**
Silver	ND	0.0050	0.0011	mg/L	1	U5C1318	03/19/15	03/23/15	EPA 200.7	
Zinc	**1.8**	0.0050	0.00080	mg/L	1	U5C1318	03/19/15	03/23/15	EPA 200.7	
Semi-Volatile Organics										
Diazinon	ND	0.25		µg/L	1	U5C1702	03/17/15	03/19/15	EPA 525.2	
Surrogate: 1,3-Dimethyl-2-nitrobenzene	*172 %*	*70-130*				*U5C1702*	*03/17/15*	*03/19/15*	*EPA 525.2*	*S03*
Surrogate: Triphenyl phosphate	*370 %*	*70-130*				*U5C1702*	*03/17/15*	*03/19/15*	*EPA 525.2*	*S03*
Surrogate: Perylene-d12	*103 %*	*70-130*				*U5C1702*	*03/17/15*	*03/19/15*	*EPA 525.2*	
Total Oil & Grease (HEM)	**12**	1.1	0.18	mg/L	1	U5C1401	03/14/15	03/17/15	EPA 1664A	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

MOORE TWINING ASSOCIATES, INC.

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

California ELAP Certificate # 1371

Malaga County Water District
3580 S. Frank
Fresno CA, 93725

Project: Priority Pollutants and Local Limits
Project Number: Priority Pollutants and Local Limits
Project Manager: Jim Anderson

Reported:
3/26/15

Inf-001

BC10062-01 (Waste Water)

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Semi-Volatile Organics										
Total Oil & Grease (HEM non-polar)	**1.8**	1.1	0.49	mg/L	1	U5C1401	03/14/15	03/17/15	EPA 1664A SGT	
Diesel	**3300**	50	25	µg/L	1	U5C1205	03/12/15	03/18/15	EPA 8015B	
Surrogate: o-Terphenyl	*%*	*34-150*				*U5C1205*	*03/12/15*	*03/18/15*	*EPA 8015B*	*S02*
Volatile Organics										
Chloromethane	ND	0.50	0.16	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Vinyl chloride	ND	0.50	0.16	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Bromomethane	ND	1.0	0.32	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Chloroethane	ND	0.50	0.16	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Trichlorofluoromethane (CFC-11)	ND	0.50	0.13	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Trichlorotrifluoroethane (CFC-113)	ND	1.0	0.11	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
1,1-Dichloroethene	ND	0.50	0.14	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Acrolein	ND	10	1.5	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Methylene chloride	**6.5**	1.0	0.20	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
trans-1,2-Dichloroethene	ND	0.50	0.11	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.36	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
1,1-Dichloroethane	ND	0.50	0.12	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Acrylonitrile	ND	5.0	2.9	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
cis-1,2-Dichloroethene	ND	0.50	0.15	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Chloroform	**2.4**	0.50	0.14	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Carbon tetrachloride	ND	0.50	0.16	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
1,1,1-Trichloroethane (TCA)	ND	0.50	0.16	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
1,1-Dichloropropene	ND	0.50	0.12	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Benzene	ND	0.50	0.10	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
1,2-Dichloroethane (1,2-DCA)	ND	0.50	0.10	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Trichloroethene (TCE)	ND	0.50	0.17	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
1,2-Dichloropropane	ND	0.50	0.10	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Bromodichloromethane	ND	0.50	0.13	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
2-Chloroethylvinyl ether	ND	1.0	0.33	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
cis-1,3-Dichloropropene	ND	0.50	0.11	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Toluene	**1.8**	0.50	0.27	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Tetrachloroethene (PCE)	**0.68**	0.50	0.12	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
1,1,2-Trichloroethane	ND	0.50	0.12	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Dibromochloromethane	ND	0.50	0.11	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
1,2-Dibromoethane (EDB)	ND	0.50	0.22	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Ethylbenzene	ND	0.50	0.10	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	

MOORE TWINING ASSOCIATES, INC.

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
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California ELAP Certificate # 1371

Malaga County Water District
3580 S. Frank
Fresno CA, 93725

Project: Priority Pollutants and Local Limits
Project Number: Priority Pollutants and Local Limits
Project Manager: Jim Anderson

Reported:
3/26/15

Inf-001

BC10062-01 (Waste Water)

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics										
Chlorobenzene	ND	0.50	0.10	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
1,1,1,2-Tetrachloroethane	ND	0.50	0.12	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
m,p-Xylene	ND	1.0	0.20	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
o-Xylene	ND	0.50	0.10	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Styrene	ND	0.50	0.10	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Bromoform	ND	1.0	0.12	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
1,1,2,2-Tetrachloroethane	ND	1.0	0.21	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
1,2,3-Trichloropropane (123TCP)	ND	0.50	0.29	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
1,3-Dichlorobenzene	ND	0.50	0.040	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
1,4-Dichlorobenzene	ND	0.50	0.10	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
1,2-Dichlorobenzene	ND	0.50	0.12	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
1,2,4-Trichlorobenzene	ND	1.0	0.10	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Hexachlorobutadiene	ND	1.0	0.10	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Naphthalene	ND	0.50	0.15	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Xylenes	ND	2.0		µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Surrogate: 4-Bromofluorobenzene	*103 %*	*70-130*				*U5C1606*	*03/16/15*	*03/16/15*	*EPA 624*	
Surrogate: Dibromofluoromethane	*92.5 %*	*70-130*				*U5C1606*	*03/16/15*	*03/16/15*	*EPA 624*	
Surrogate: Toluene-d8	*97.0 %*	*70-130*				*U5C1606*	*03/16/15*	*03/16/15*	*EPA 624*	
Gasoline	**110**	50	6.0	µg/L	1	U5C1714	03/17/15	03/17/15	EPA 8015B	
Surrogate: 4-Bromofluorobenzene (FID)	*108 %*	*70-130*				*U5C1714*	*03/17/15*	*03/17/15*	*EPA 8015B*	

Notes and Definitions

S03	Surrogate recovery was biased high for this sample; sample results are ND.
S02	Surrogate recovery was affected by the matrix.
RPD3	The RPD is out of range for this spike and its duplicate due to a low or high bias of one of the two spikes.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag). Same as DNQ - Detected, but Not Quantified.
D2	Sample diluted due to high concentration(s) of non-target analyte(s).
BS2	Recovery for this analyte was biased low. Results were accepted based on duplicate results.
BS1	Recovery for this analyte was biased high. Results were accepted based on duplicate results.
BLK02	Detected in the blank; associated samples were either ND, or >10x the amount detected.
ND	Analyte NOT DETECTED at or above the Method Detection Limit (MDL)
NR	Not Reported
RPD	Relative Percent Difference
MDL	Method Detection Limit

Analysis of pH, filtration, and residual chlorine is to take place immediately after sampling in the field.
If the test was performed in the laboratory, the hold time was exceeded. **(for aqueous matrices only)**

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3580 S. Frank
Fresno CA, 93725

Project: Priority Pollutants and Local Limits
Project Number: Priority Pollutants and Local Limits
Project Manager: Jim Anderson

Reported:
3/26/15

Inorganics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5C1004										
Blank (U5C1004-BLK1)				Prepared & Analyzed: 03/10/15						
Ammonia as N	0.120	1.0	mg/L							J
LCS (U5C1004-BS1)				Prepared & Analyzed: 03/10/15						
Ammonia as N	20.2	1.0	mg/L	22.5		89.8	80-120		20	
LCS Dup (U5C1004-BSD1)				Prepared & Analyzed: 03/10/15						
Ammonia as N	18.8	1.0	mg/L	22.5		83.4	80-120	7.31	20	
Matrix Spike (U5C1004-MS1)		**Source: BC10003-03**		Prepared & Analyzed: 03/10/15						
Ammonia as N	23.0	1.0	mg/L	22.5	0.133	102	80-120		20	
Matrix Spike (U5C1004-MS2)		**Source: BC10044-03**		Prepared & Analyzed: 03/10/15						
Ammonia as N	27.1	1.0	mg/L	22.5	3.09	107	80-120		20	
Matrix Spike Dup (U5C1004-MSD1)		**Source: BC10003-03**		Prepared & Analyzed: 03/10/15						
Ammonia as N	21.0	1.0	mg/L	22.5	0.133	92.8	80-120	9.08	20	
Matrix Spike Dup (U5C1004-MSD2)		**Source: BC10044-03**		Prepared & Analyzed: 03/10/15						
Ammonia as N	25.3	1.0	mg/L	22.5	3.09	98.5	80-120	7.03	20	
Batch U5C1018										
Blank (U5C1018-BLK1)				Prepared & Analyzed: 03/10/15						
Fluoride	ND	0.10	mg/L							
Chloride	ND	2.0	mg/L							
Nitrite as N	ND	0.30	mg/L							
Nitrate as NO3	0.0887	2.0	mg/L							J
LCS (U5C1018-BS1)				Prepared & Analyzed: 03/10/15						
Fluoride	2.08	0.10	mg/L	2.00		104	90-110		20	
Nitrite as N	5.31	0.30	mg/L	5.00		106	90-110		20	
Chloride	52.3	2.0	mg/L	50.0		105	90-110		20	
Nitrate as NO3	52.4	2.0	mg/L	50.0		105	90-110		20	
LCS Dup (U5C1018-BSD1)				Prepared & Analyzed: 03/10/15						
Fluoride	1.92	0.10	mg/L	2.00		96.2	90-110	7.92	20	
Nitrite as N	4.94	0.30	mg/L	5.00		98.9	90-110	7.06	20	
Chloride	47.9	2.0	mg/L	50.0		95.9	90-110	8.75	20	
Nitrate as NO3	48.6	2.0	mg/L	50.0		97.3	90-110	7.36	20	
Matrix Spike (U5C1018-MS1)		**Source: BC10003-03**		Prepared & Analyzed: 03/10/15						
Fluoride	4.23	0.20	mg/L	4.00	0.104	103	48.9-155		20	
Chloride	169	4.0	mg/L	100	50.9	119	48-147		15	

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Inorganics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5C1018										
Matrix Spike (U5C1018-MS1)		**Source: BC10003-03**		Prepared & Analyzed: 03/10/15						
Nitrite as N	10.9	0.60	mg/L	10.0	ND	109	80-120		20	
Nitrate as NO3	136	4.0	mg/L	100	26.6	109	70-130		20	
Matrix Spike (U5C1018-MS2)		**Source: BC10060-01**		Prepared & Analyzed: 03/10/15						
Fluoride	11.7	0.40	mg/L	8.00	3.72	100	48.9-155		20	
Chloride	253	8.0	mg/L	200	54.8	98.9	48-147		15	
Nitrite as N	20.2	1.2	mg/L	20.0	ND	101	80-120		20	
Nitrate as NO3	265	8.0	mg/L	200	71.6	96.5	70-130		20	
Matrix Spike Dup (U5C1018-MSD1)		**Source: BC10003-03**		Prepared & Analyzed: 03/10/15						
Fluoride	4.31	0.20	mg/L	4.00	0.104	105	48.9-155	1.93	20	
Chloride	169	4.0	mg/L	100	50.9	118	48-147	0.240	15	
Nitrite as N	10.6	0.60	mg/L	10.0	ND	106	80-120	2.94	20	
Nitrate as NO3	134	4.0	mg/L	100	26.6	107	70-130	1.67	20	
Matrix Spike Dup (U5C1018-MSD2)		**Source: BC10060-01**		Prepared & Analyzed: 03/10/15						
Fluoride	11.7	0.40	mg/L	8.00	3.72	99.2	48.9-155	0.670	20	
Chloride	251	8.0	mg/L	200	54.8	98.2	48-147	0.608	15	
Nitrite as N	20.0	1.2	mg/L	20.0	ND	99.9	80-120	0.957	20	
Nitrate as NO3	262	8.0	mg/L	200	71.6	95.5	70-130	0.768	20	
Batch U5C1023										
Blank (U5C1023-BLK1)				Prepared: 03/11/15 Analyzed: 03/16/15						
Biochemical Oxygen Demand	ND	1.0	mg/L							
LCS (U5C1023-BS1)				Prepared: 03/11/15 Analyzed: 03/16/15						
Biochemical Oxygen Demand	155	50	mg/L	198		78.1	85-115		20	BS2
LCS Dup (U5C1023-BSD1)				Prepared: 03/11/15 Analyzed: 03/16/15						
Biochemical Oxygen Demand	171	50	mg/L	198		86.2	85-115	9.84	20	
Duplicate (U5C1023-DUP1)		**Source: BC10062-01**		Prepared: 03/11/15 Analyzed: 03/16/15						
Biochemical Oxygen Demand	103	30	mg/L		113			9.70	20	
Duplicate (U5C1023-DUP2)		**Source: BC11008-01**		Prepared: 03/11/15 Analyzed: 03/16/15						
Biochemical Oxygen Demand	225	30	mg/L		216			4.24	20	
Batch U5C1025										
Blank (U5C1025-BLK1)				Prepared: 03/10/15 Analyzed: 03/11/15						
Specific Conductance (EC)	ND	1.0	µS/cm							
LCS (U5C1025-BS1)				Prepared: 03/10/15 Analyzed: 03/11/15						

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Inorganics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5C1025										
LCS (U5C1025-BS1)				Prepared: 03/10/15 Analyzed: 03/11/15						
Specific Conductance (EC)	519	1.0	µS/cm	500		104	80-120		20	
LCS (U5C1025-BS2)				Prepared: 03/10/15 Analyzed: 03/11/15						
pH	7.00	0.10	pH Units	7.00		100	97-103		20	
LCS Dup (U5C1025-BSD1)				Prepared: 03/10/15 Analyzed: 03/11/15						
Specific Conductance (EC)	514	1.0	µS/cm	500		103	80-120	0.981	20	
LCS Dup (U5C1025-BSD2)				Prepared: 03/10/15 Analyzed: 03/11/15						
pH	7.01	0.10	pH Units	7.00		100	97-103	0.143	20	
Duplicate (U5C1025-DUP1)		**Source: BC10061-01**		Prepared: 03/10/15 Analyzed: 03/11/15						
pH	7.42	0.10	pH Units		7.36			0.812	20	
Specific Conductance (EC)	901	1.0	µS/cm		896			0.565	20	
Duplicate (U5C1025-DUP2)		**Source: BC10062-01**		Prepared: 03/10/15 Analyzed: 03/11/15						
pH	7.63	0.10	pH Units		7.60			0.394	20	
Specific Conductance (EC)	1040	1.0	µS/cm		1040			0.00	20	
Batch U5C1102										
Blank (U5C1102-BLK1)				Prepared & Analyzed: 03/12/15						
Cyanide (total)	ND	5.0	µg/L							
LCS (U5C1102-BS1)				Prepared & Analyzed: 03/12/15						
Cyanide (total)	50.4	5.0	µg/L	50.0		101	80-120		20	
LCS Dup (U5C1102-BSD1)				Prepared & Analyzed: 03/12/15						
Cyanide (total)	45.1	5.0	µg/L	50.0		90.2	80-120	11.1	20	
Matrix Spike (U5C1102-MS1)		**Source: BC04040-01**		Prepared & Analyzed: 03/12/15						
Cyanide (total)	46.7	5.0	µg/L	50.0	ND	93.4	80-120		20	
Matrix Spike Dup (U5C1102-MSD1)		**Source: BC04040-01**		Prepared & Analyzed: 03/12/15						
Cyanide (total)	49.9	5.0	µg/L	50.0	ND	99.8	80-120	6.63	20	
Batch U5C1202										
Blank (U5C1202-BLK1)				Prepared & Analyzed: 03/12/15						
Total Suspended Solids	ND	4.0	mg/L							
Duplicate (U5C1202-DUP1)		**Source: BC10067-01**		Prepared & Analyzed: 03/12/15						
Total Suspended Solids	5200	200	mg/L		4800			6.39	20	
Duplicate (U5C1202-DUP2)		**Source: BC11003-04**		Prepared & Analyzed: 03/12/15						
Total Suspended Solids	4000	200	mg/L		3900			2.03	20	

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5C1204										
Blank (U5C1204-BLK1)				Prepared & Analyzed: 03/12/15						
Phosphorus	ND	0.50	mg/L							
LCS (U5C1204-BS1)				Prepared & Analyzed: 03/12/15						
Phosphorus	7.63	0.50	mg/L	7.50		102	80-120		20	
LCS Dup (U5C1204-BSD1)				Prepared & Analyzed: 03/12/15						
Phosphorus	7.34	0.50	mg/L	7.50		97.8	80-120	3.93	20	
Matrix Spike (U5C1204-MS1)		**Source: BC10061-01**		Prepared & Analyzed: 03/12/15						
Phosphorus	12.9	0.50	mg/L	7.50	4.71	109	80-120		20	
Matrix Spike (U5C1204-MS2)		**Source: BC11021-04**		Prepared & Analyzed: 03/12/15						
Phosphorus	7.35	0.50	mg/L	7.50	0.0496	97.4	80-120		20	
Matrix Spike Dup (U5C1204-MSD1)		**Source: BC10061-01**		Prepared & Analyzed: 03/12/15						
Phosphorus	12.1	0.50	mg/L	7.50	4.71	98.2	80-120	6.54	20	
Matrix Spike Dup (U5C1204-MSD2)		**Source: BC11021-04**		Prepared & Analyzed: 03/12/15						
Phosphorus	7.42	0.50	mg/L	7.50	0.0496	98.2	80-120	0.894	20	

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Metals - Totals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5C1014										
Blank (U5C1014-BLK1)				Prepared & Analyzed: 03/11/15						
Mercury	ND	0.20	µg/L							
LCS (U5C1014-BS1)				Prepared & Analyzed: 03/11/15						
Mercury	5.02	0.20	µg/L	5.00		100	80-120		20	
LCS Dup (U5C1014-BSD1)				Prepared & Analyzed: 03/11/15						
Mercury	4.97	0.20	µg/L	5.00		99.3	80-120	1.07	20	
Matrix Spike (U5C1014-MS1)		**Source: BC03019-01**		Prepared & Analyzed: 03/11/15						
Mercury	28.1	1.2	µg/L	30.0	ND	93.5	70-130		20	
Matrix Spike (U5C1014-MS2)		**Source: BC05019-02**		Prepared & Analyzed: 03/11/15						
Mercury	29.7	1.2	µg/L	30.0	ND	98.9	70-130		20	
Matrix Spike Dup (U5C1014-MSD1)		**Source: BC03019-01**		Prepared & Analyzed: 03/11/15						
Mercury	28.5	1.2	µg/L	30.0	ND	95.1	70-130	1.66	20	
Matrix Spike Dup (U5C1014-MSD2)		**Source: BC05019-02**		Prepared & Analyzed: 03/11/15						
Mercury	29.8	1.2	µg/L	30.0	ND	99.5	70-130	0.622	20	
Batch U5C1318										
Blank (U5C1318-BLK1)				Prepared: 03/19/15 Analyzed: 03/23/15						
Cadmium	ND	0.0010	mg/L							
Barium	0.000224	0.010	mg/L							J
Selenium	ND	0.020	mg/L							
Arsenic	ND	0.010	mg/L							
Lead	ND	0.0050	mg/L							
Aluminum	ND	0.050	mg/L							
Iron	ND	0.10	mg/L							
Zinc	0.00600	0.0050	mg/L							BLK02
Calcium	0.0132	0.10	mg/L							J
Copper	ND	0.0050	mg/L							
Magnesium	ND	0.10	mg/L							
Silver	ND	0.0050	mg/L							
Nickel	ND	0.0050	mg/L							
Chromium	ND	0.0050	mg/L							
Boron	0.00173	0.050	mg/L							J
LCS (U5C1318-BS1)				Prepared: 03/19/15 Analyzed: 03/23/15						
Copper	0.0900	0.0050	mg/L	0.100		90.0	85-115		20	
Zinc	0.115	0.0050	mg/L	0.100		115	85-115		20	

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Metals - Totals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5C1318										
LCS (U5C1318-BS1)				Prepared: 03/19/15 Analyzed: 03/23/15						
Selenium	0.378	0.020	mg/L	0.400		94.6	85-115		20	
Magnesium	2.05	0.10	mg/L	2.00		103	85-115		20	
Chromium	0.101	0.0050	mg/L	0.100		101	85-115		20	
Boron	0.957	0.050	mg/L	1.00		95.7	85-115		20	
Barium	0.197	0.010	mg/L	0.200		98.6	85-115		20	
Nickel	0.112	0.0050	mg/L	0.100		112	85-115		20	
Iron	1.99	0.10	mg/L	2.00		99.5	85-115		20	
Arsenic	0.222	0.010	mg/L	0.200		111	85-115		20	
Calcium	1.03	0.10	mg/L	1.00		103	85-115		20	
Aluminum	0.987	0.050	mg/L	1.00		98.7	85-115		20	
Lead	0.100	0.0050	mg/L	0.100		100	85-115		20	
Cadmium	0.0215	0.0010	mg/L	0.0200		107	85-115		20	
Silver	0.102	0.0050	mg/L	0.100		102	85-115		20	
LCS Dup (U5C1318-BSD1)				Prepared: 03/19/15 Analyzed: 03/23/15						
Arsenic	0.215	0.010	mg/L	0.200		107	85-115	3.11	20	
Barium	0.198	0.010	mg/L	0.200		98.9	85-115	0.251	20	
Lead	0.0978	0.0050	mg/L	0.100		97.8	85-115	2.25	20	
Selenium	0.376	0.020	mg/L	0.400		94.0	85-115	0.610	20	
Iron	2.02	0.10	mg/L	2.00		101	85-115	1.33	20	
Boron	0.950	0.050	mg/L	1.00		95.0	85-115	0.742	20	
Magnesium	2.04	0.10	mg/L	2.00		102	85-115	0.797	20	
Aluminum	1.00	0.050	mg/L	1.00		100	85-115	1.65	20	
Calcium	1.05	0.10	mg/L	1.00		105	85-115	1.85	20	
Chromium	0.0997	0.0050	mg/L	0.100		99.7	85-115	0.922	20	
Copper	0.0876	0.0050	mg/L	0.100		87.6	85-115	2.65	20	
Cadmium	0.0216	0.0010	mg/L	0.0200		108	85-115	0.735	20	
Nickel	0.110	0.0050	mg/L	0.100		110	85-115	1.53	20	
Silver	0.100	0.0050	mg/L	0.100		100	85-115	1.28	20	
Zinc	0.116	0.0050	mg/L	0.100		116	85-115	0.787	20	BS1
Matrix Spike (U5C1318-MS1)		**Source: BC12014-01**		Prepared: 03/19/15 Analyzed: 03/23/15						
Boron	9.62	0.50	mg/L	10.0	0.522	91.0	70-130		20	
Nickel	1.07	0.050	mg/L	1.00	ND	107	70-130		20	
Silver	0.961	0.050	mg/L	1.00	ND	96.1	70-130		20	
Aluminum	9.90	0.50	mg/L	10.0	ND	99.0	70-130		20	
Chromium	0.957	0.050	mg/L	1.00	ND	95.7	70-130		20	

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Metals - Totals - Quality Control

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Batch U5C1318										
Matrix Spike (U5C1318-MS1)		**Source: BC12014-01**		Prepared: 03/19/15 Analyzed: 03/23/15						
Barium	1.96	0.10	mg/L	2.00	0.0187	97.1	70-130		20	
Cadmium	0.207	0.010	mg/L	0.200	ND	103	70-130		20	
Iron	20.2	1.0	mg/L	20.0	0.344	99.3	70-130		20	
Arsenic	2.03	0.10	mg/L	2.00	ND	102	70-130		20	
Lead	0.953	0.050	mg/L	1.00	ND	95.3	70-130		20	
Copper	0.883	0.050	mg/L	1.00	ND	88.3	70-130		20	
Selenium	3.72	0.20	mg/L	4.00	ND	93.1	70-130		20	
Zinc	3.94	0.050	mg/L	1.00	2.93	101	70-130		20	
Matrix Spike (U5C1318-MS2)		**Source: BC12025-01**		Prepared: 03/19/15 Analyzed: 03/23/15						
Selenium	0.747	0.040	mg/L	0.800	0.00715	92.5	70-130		20	
Boron	2.07	0.10	mg/L	2.00	0.136	96.5	70-130		20	
Cadmium	0.0418	0.0020	mg/L	0.0400	0.000816	102	70-130		20	
Chromium	0.194	0.010	mg/L	0.200	0.00552	94.0	70-130		20	
Copper	0.249	0.010	mg/L	0.200	0.0681	90.2	70-130		20	
Nickel	0.219	0.010	mg/L	0.200	0.00461	107	70-130		20	
Silver	0.193	0.010	mg/L	0.200	ND	96.3	70-130		20	
Lead	0.193	0.010	mg/L	0.200	0.00168	96.4	70-130		20	
Zinc	0.509	0.010	mg/L	0.200	0.282	114	70-130		20	
Barium	0.422	0.020	mg/L	0.400	0.0571	91.3	70-130		20	
Iron	4.38	0.20	mg/L	4.00	0.298	102	70-130		20	
Arsenic	0.416	0.020	mg/L	0.400	ND	104	70-130		20	
Aluminum	2.53	0.10	mg/L	2.00	0.444	104	70-130		20	
Matrix Spike Dup (U5C1318-MSD1)		**Source: BC12014-01**		Prepared: 03/19/15 Analyzed: 03/23/15						
Chromium	0.986	0.050	mg/L	1.00	ND	98.6	70-130	2.98	20	
Zinc	4.04	0.050	mg/L	1.00	2.93	111	70-130	2.38	20	
Copper	0.873	0.050	mg/L	1.00	ND	87.3	70-130	1.13	20	
Boron	9.93	0.50	mg/L	10.0	0.522	94.1	70-130	3.18	20	
Nickel	1.10	0.050	mg/L	1.00	ND	110	70-130	2.67	20	
Silver	0.981	0.050	mg/L	1.00	ND	98.1	70-130	2.14	20	
Barium	1.96	0.10	mg/L	2.00	0.0187	97.1	70-130	0.0109	20	
Arsenic	2.14	0.10	mg/L	2.00	ND	107	70-130	5.18	20	
Selenium	3.79	0.20	mg/L	4.00	ND	94.6	70-130	1.69	20	
Lead	0.982	0.050	mg/L	1.00	ND	98.2	70-130	2.96	20	
Cadmium	0.215	0.010	mg/L	0.200	ND	107	70-130	3.82	20	
Aluminum	10.2	0.50	mg/L	10.0	ND	102	70-130	2.63	20	

MOORE TWINING ASSOCIATES, INC.

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Malaga County Water District
3580 S. Frank
Fresno CA, 93725

Project: Priority Pollutants and Local Limits
Project Number: Priority Pollutants and Local Limits
Project Manager: Jim Anderson

Reported:
3/26/15

Metals - Totals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5C1318										
Matrix Spike Dup (U5C1318-MSD1)		**Source: BC12014-01**		Prepared: 03/19/15 Analyzed: 03/23/15						
Iron	20.4	1.0	mg/L	20.0	0.344	100	70-130	1.00	20	
Matrix Spike Dup (U5C1318-MSD2)		**Source: BC12025-01**		Prepared: 03/19/15 Analyzed: 03/23/15						
Iron	4.40	0.20	mg/L	4.00	0.298	103	70-130	0.587	20	
Arsenic	0.419	0.020	mg/L	0.400	ND	105	70-130	0.743	20	
Zinc	0.526	0.010	mg/L	0.200	0.282	122	70-130	3.29	20	
Barium	0.424	0.020	mg/L	0.400	0.0571	91.8	70-130	0.490	20	
Silver	0.197	0.010	mg/L	0.200	ND	98.5	70-130	2.29	20	
Lead	0.193	0.010	mg/L	0.200	0.00168	96.4	70-130	0.00917	20	
Selenium	0.770	0.040	mg/L	0.800	0.00715	95.4	70-130	3.03	20	
Aluminum	2.52	0.10	mg/L	2.00	0.444	104	70-130	0.324	20	
Boron	2.13	0.10	mg/L	2.00	0.136	99.6	70-130	2.91	20	
Nickel	0.223	0.010	mg/L	0.200	0.00461	109	70-130	2.02	20	
Cadmium	0.0426	0.0020	mg/L	0.0400	0.000816	104	70-130	1.93	20	
Chromium	0.199	0.010	mg/L	0.200	0.00552	96.7	70-130	2.76	20	
Copper	0.257	0.010	mg/L	0.200	0.0681	94.3	70-130	3.21	20	

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Project: Priority Pollutants and Local Limits
Project Number: Priority Pollutants and Local Limits
Project Manager: Jim Anderson

Reported:
3/26/15

Semi-Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5C1205										
Blank (U5C1205-BLK1)				Prepared: 03/12/15 Analyzed: 03/19/15						
Surrogate: o-Terphenyl	*26.0*		*µg/L*	*40.0*		*65.0*	*34-150*			
Diesel	31.0	50	µg/L							J
LCS (U5C1205-BS1)				Prepared: 03/12/15 Analyzed: 03/19/15						
Surrogate: o-Terphenyl	*33.8*		*µg/L*	*40.0*		*84.6*	*34-150*			
Diesel	449	50	µg/L	500		89.9	70-130		20	
LCS Dup (U5C1205-BSD1)				Prepared: 03/12/15 Analyzed: 03/19/15						
Surrogate: o-Terphenyl	*38.2*		*µg/L*	*40.0*		*95.5*	*34-150*			
Diesel	454	50	µg/L	500		90.7	70-130	0.965	20	
Batch U5C1401										
Blank (U5C1401-BLK1)				Prepared: 03/14/15 Analyzed: 03/17/15						
Total Oil & Grease (HEM)	ND	1.0	mg/L							
Total Oil & Grease (HEM non-polar)	ND	1.0	mg/L							
LCS (U5C1401-BS1)				Prepared: 03/14/15 Analyzed: 03/17/15						
Total Oil & Grease (HEM)	34.4	1.0	mg/L	40.0		85.9	78-114		20	
Total Oil & Grease (HEM non-polar)	16.6	1.0	mg/L	20.0		83.0	64-132		20	
LCS Dup (U5C1401-BSD1)				Prepared: 03/14/15 Analyzed: 03/17/15						
Total Oil & Grease (HEM)	37.5	1.0	mg/L	40.0		93.8	78-114	8.77	20	
Total Oil & Grease (HEM non-polar)	18.1	1.0	mg/L	20.0		90.5	64-132	8.65	20	
Batch U5C1702										
LCS (U5C1702-BS1)				Prepared: 03/17/15 Analyzed: 03/19/15						
Surrogate: 1,3-Dimethyl-2-nitrobenzene	*5.02*		*µg/L*	*5.00*		*100*	*70-130*			
Surrogate: Triphenyl phosphate	*11.6*		*µg/L*	*5.00*		*233*	*70-130*			
Surrogate: Perylene-d12	*4.71*		*µg/L*	*5.00*		*94.2*	*70-130*			
Alachlor	6.10	1.0	µg/L	8.00		76.3	70-130		30	
Atrazine	6.24	0.50	µg/L	8.00		78.0	70-130		30	
Benzo (a) pyrene	1.17	0.10	µg/L				70-130		30	
Bis(2-ethylhexyl) adipate	8.49	3.0	µg/L	8.00		106	70-130		30	
Bis(2-ethylhexyl) phthalate	8.56	3.0	µg/L	8.00		107	70-130		30	
Bromacil	35.0	10	µg/L	40.0		87.5	70-130		30	
Butachlor	6.81	0.38	µg/L	6.00		113	70-130		30	
Chlorpyrifos	5.50	1.0	µg/L	8.00		68.8	70-130		30	BS2
Diazinon	1.60	0.25	µg/L	4.00		40.0	10-110		30	
Dimethoate	30.0	10	µg/L	40.0		75.0	70-130		30	

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3580 S. Frank
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Project: Priority Pollutants and Local Limits
Project Number: Priority Pollutants and Local Limits
Project Manager: Jim Anderson

Reported:
3/26/15

Semi-Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5C1702										
LCS (U5C1702-BS1)				Prepared: 03/17/15 Analyzed: 03/19/15						
Metolachlor	5.74	0.50	µg/L	8.00		71.8	70-130		30	
Metribuzin	5.89	0.50	µg/L	8.00		73.6	70-130		30	
Molinate	5.30	2.0	µg/L	8.00		66.2	70-130		30	BS2
Propachlor	5.50	0.50	µg/L	8.00		68.8	70-130		30	BS2
Simazine	5.64	1.0	µg/L	8.00		70.6	70-130		30	
Thiobencarb	5.89	1.0	µg/L	8.00		73.6	70-130		30	
LCS Dup (U5C1702-BSD1)				Prepared: 03/17/15 Analyzed: 03/19/15						
Surrogate: 1,3-Dimethyl-2-nitrobenzene	*5.39*		*µg/L*	*5.00*		*108*	*70-130*			
Surrogate: Triphenyl phosphate	*10.6*		*µg/L*	*5.00*		*212*	*70-130*			
Surrogate: Perylene-d12	*4.49*		*µg/L*	*5.00*		*89.8*	*70-130*			
Alachlor	6.86	1.0	µg/L	8.00		85.7	70-130	11.6	30	
Atrazine	6.62	0.50	µg/L	8.00		82.7	70-130	5.85	30	
Benzo (a) pyrene	0.912	0.10	µg/L				70-130	24.9	30	
Bis(2-ethylhexyl) adipate	7.67	3.0	µg/L	8.00		95.9	70-130	10.1	30	
Bis(2-ethylhexyl) phthalate	8.03	3.0	µg/L	8.00		100	70-130	6.33	30	
Bromacil	35.0	10	µg/L	40.0		87.5	70-130	0.0171	30	
Butachlor	6.54	0.38	µg/L	6.00		109	70-130	4.09	30	
Chlorpyrifos	5.91	1.0	µg/L	8.00		73.9	70-130	7.19	30	
Diazinon	1.96	0.25	µg/L	4.00		49.0	10-110	20.1	30	
Dimethoate	34.2	10	µg/L	40.0		85.5	70-130	13.1	30	
Metolachlor	6.44	0.50	µg/L	8.00		80.4	70-130	11.3	30	
Metribuzin	5.60	0.50	µg/L	8.00		70.0	70-130	5.03	30	
Molinate	7.30	2.0	µg/L	8.00		91.3	70-130	31.8	30	RPD3
Propachlor	8.14	0.50	µg/L	8.00		102	70-130	38.7	30	RPD3
Simazine	6.41	1.0	µg/L	8.00		80.2	70-130	12.8	30	
Thiobencarb	6.09	1.0	µg/L	8.00		76.2	70-130	3.37	30	

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Project: Priority Pollutants and Local Limits
Project Number: Priority Pollutants and Local Limits
Project Manager: Jim Anderson

Reported:
3/26/15

Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5C1606										
Blank (U5C1606-BLK1)				Prepared & Analyzed: 03/16/15						
Surrogate: 4-Bromofluorobenzene	*25.4*		*µg/L*	*25.0*		*102*	*70-130*			
Surrogate: Dibromofluoromethane	*21.8*		*µg/L*	*25.0*		*87.2*	*70-130*			
Surrogate: Toluene-d8	*24.4*		*µg/L*	*25.0*		*97.7*	*70-130*			
Chloromethane	ND	0.50	µg/L							
Vinyl chloride	ND	0.50	µg/L							
Bromomethane	ND	1.0	µg/L							
Chloroethane	ND	0.50	µg/L							
Trichlorofluoromethane (CFC-11)	ND	0.50	µg/L							
Trichlorotrifluoroethane (CFC-113)	ND	1.0	µg/L							
1,1-Dichloroethene	ND	0.50	µg/L							
Acrolein	ND	10	µg/L							
Methylene chloride	ND	1.0	µg/L							
trans-1,2-Dichloroethene	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
Acrylonitrile	ND	5.0	µg/L							
cis-1,2-Dichloroethene	ND	0.50	µg/L							
Chloroform	ND	0.50	µg/L							
Carbon tetrachloride	ND	0.50	µg/L							
1,1,1-Trichloroethane (TCA)	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
Benzene	ND	0.50	µg/L							
1,2-Dichloroethane (1,2-DCA)	ND	0.50	µg/L							
Trichloroethene (TCE)	ND	0.50	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
2-Chloroethylvinyl ether	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
Toluene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Tetrachloroethene (PCE)	ND	0.50	µg/L							
1,1,2-Trichloroethane	ND	0.50	µg/L							
Dibromochloromethane	ND	0.50	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Ethylbenzene	ND	0.50	µg/L							

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3580 S. Frank
Fresno CA, 93725

Project: Priority Pollutants and Local Limits
Project Number: Priority Pollutants and Local Limits
Project Manager: Jim Anderson

Reported:
3/26/15

Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5C1606										
Blank (U5C1606-BLK1)				Prepared & Analyzed: 03/16/15						
Chlorobenzene	ND	0.50	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
m,p-Xylene	ND	1.0	µg/L							
o-Xylene	ND	0.50	µg/L							
Styrene	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	1.0	µg/L							
1,2,3-Trichloropropane (123TCP)	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	1.0	µg/L							
Naphthalene	ND	0.50	µg/L							
Xylenes	ND	2.0	µg/L							
LCS (U5C1606-BS1)				Prepared & Analyzed: 03/16/15						
Surrogate: 4-Bromofluorobenzene	*25.8*		*µg/L*	*25.0*		*103*	*70-130*			
Surrogate: Dibromofluoromethane	*22.3*		*µg/L*	*25.0*		*89.3*	*70-130*			
Surrogate: Toluene-d8	*24.1*		*µg/L*	*25.0*		*96.5*	*70-130*			
1,1-Dichloroethene	18.1	0.50	µg/L	19.8		91.4	70-130		20	
Benzene	18.3	0.50	µg/L	20.0		91.7	70-130		20	
Trichloroethene (TCE)	17.9	0.50	µg/L	20.0		89.6	70-130		20	
Toluene	19.2	0.50	µg/L	19.9		96.2	70-130		20	
Chlorobenzene	18.2	0.50	µg/L	20.0		91.1	70-130		20	
LCS Dup (U5C1606-BSD1)				Prepared & Analyzed: 03/16/15						
Surrogate: 4-Bromofluorobenzene	*25.3*		*µg/L*	*25.0*		*101*	*70-130*			
Surrogate: Dibromofluoromethane	*22.3*		*µg/L*	*25.0*		*89.3*	*70-130*			
Surrogate: Toluene-d8	*24.2*		*µg/L*	*25.0*		*96.8*	*70-130*			
1,1-Dichloroethene	17.5	0.50	µg/L	19.8		88.3	70-130	3.43	20	
Benzene	18.1	0.50	µg/L	20.0		90.5	70-130	1.26	20	
Trichloroethene (TCE)	17.5	0.50	µg/L	20.0		87.4	70-130	2.48	20	
Toluene	18.8	0.50	µg/L	19.9		94.3	70-130	2.00	20	
Chlorobenzene	17.7	0.50	µg/L	20.0		88.6	70-130	2.73	20	
Batch U5C1714										

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Project Manager: Jim Anderson

Reported:
3/26/15

Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5C1714										
Blank (U5C1714-BLK1)				Prepared & Analyzed: 03/17/15						
Surrogate: 4-Bromofluorobenzene (FID)	*28.0*		*µg/L*	*25.0*		*112*	*70-130*			
Gasoline	ND	50	µg/L							
LCS (U5C1714-BS1)				Prepared & Analyzed: 03/17/15						
Surrogate: 4-Bromofluorobenzene (FID)	*24.2*		*µg/L*	*25.0*		*96.6*	*75-125*			
Gasoline	827	50	µg/L	1000		82.7	70-130		20	
LCS Dup (U5C1714-BSD1)				Prepared & Analyzed: 03/17/15						
Surrogate: 4-Bromofluorobenzene (FID)	*24.1*		*µg/L*	*25.0*		*96.4*	*75-125*			
Gasoline	851	50	µg/L	1000		85.1	70-130	2.90	20	

TestAmerica

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ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614-5817
Tel: (949)261-1022

TestAmerica Job ID: 440-104402-1
Client Project/Site: BC10062

For:
Moore Twining Associates, Inc.
2527 Fresno Street
Fresno, California 93721

Attn: Julio Morales

Heather Clark

Authorized for release by:
3/17/2015 2:22:08 PM

Heather Clark, Project Manager I
(949)261-1022
heather.clark@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Sample Summary

Client: Moore Twining Associates, Inc.
Project/Site: BC10062

TestAmerica Job ID: 440-104402-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-104402-1	BC10062-01	Water	03/10/15 14:00	03/13/15 09:45

Job ID: 440-104402-1

Laboratory: TestAmerica Irvine

Narrative

Job Narrative
440-104402-1

Comments
No additional comments.

Receipt
The sample was received on 3/13/2015 9:45 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.0º C.

Except:

Method(s) Distill/Phenol: The reference method requires samples to be preserved to a pH of <<<2>>. The following sample(s) was received with insufficient preservation at a pH of <<7>>: BC10062-01 (440-104402-1). The sample(s) was preserved to the appropriate pH in the laboratory.

General Chemistry
Method(s) 420.1: The matrix spike (MS) recoveries for 375015 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Client Sample Results

Client: Moore Twining Associates, Inc.
Project/Site: BC10062

TestAmerica Job ID: 440-104402-1

Client Sample ID: BC10062-01
Date Collected: 03/10/15 14:00
Date Received: 03/13/15 09:45

Lab Sample ID: 440-104402-1
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenolics, Total Recoverable	ND		0.050	0.025	mg/L		03/17/15 07:18	03/17/15 14:39	1

Method Summary

Client: Moore Twining Associates, Inc.
Project/Site: BC10062

TestAmerica Job ID: 440-104402-1

Method	Method Description	Protocol	Laboratory
420.1	Phenolics, Total Recoverable	MCAWW	TAL SAV

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Lab Chronicle

Client: Moore Twining Associates, Inc.
Project/Site: BC10062

TestAmerica Job ID: 440-104402-1

Client Sample ID: BC10062-01

Date Collected: 03/10/15 14:00
Date Received: 03/13/15 09:45

Lab Sample ID: 440-104402-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Distill/Phenol			6 mL	6 mL	374893	03/17/15 07:18	JRJ	TAL SAV
Total/NA	Analysis	420.1		1	6 mL	6 mL	375015	03/17/15 14:39	JME	TAL SAV

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

QC Sample Results

Client: Moore Twining Associates, Inc.
Project/Site: BC10062

TestAmerica Job ID: 440-104402-1

Method: 420.1 - Phenolics, Total Recoverable

Lab Sample ID: MB 680-374893/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 375015 — **Prep Batch: 374893**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenolics, Total Recoverable	ND		0.050	0.025	mg/L		03/17/15 07:18	03/17/15 14:35	1

Lab Sample ID: LCS 680-374893/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 375015 — **Prep Batch: 374893**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenolics, Total Recoverable	0.100	0.122		mg/L		122	75 - 125

Lab Sample ID: 440-104127-P-1-B MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 375015 — **Prep Batch: 374893**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenolics, Total Recoverable	ND	F1	0.100	0.0658	F1	mg/L		66	75 - 125

Lab Sample ID: 440-104127-P-1-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 375015 — **Prep Batch: 374893**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Phenolics, Total Recoverable	ND	F1	0.100	0.0813		mg/L		81	75 - 125	21	30

QC Association Summary

Client: Moore Twining Associates, Inc.
Project/Site: BC10062

TestAmerica Job ID: 440-104402-1

General Chemistry

Prep Batch: 374893

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-104127-P-1-B MS	Matrix Spike	Total/NA	Water	Distill/Phenol	
440-104127-P-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	Distill/Phenol	
440-104402-1	BC10062-01	Total/NA	Water	Distill/Phenol	
LCS 680-374893/2-A	Lab Control Sample	Total/NA	Water	Distill/Phenol	
MB 680-374893/1-A	Method Blank	Total/NA	Water	Distill/Phenol	

Analysis Batch: 375015

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-104127-P-1-B MS	Matrix Spike	Total/NA	Water	420.1	374893
440-104127-P-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	420.1	374893
440-104402-1	BC10062-01	Total/NA	Water	420.1	374893
LCS 680-374893/2-A	Lab Control Sample	Total/NA	Water	420.1	374893
MB 680-374893/1-A	Method Blank	Total/NA	Water	420.1	374893

Qualifiers

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Moore Twining Associates, Inc.
Project/Site: BC10062

TestAmerica Job ID: 440-104402-1

Laboratory: TestAmerica Irvine

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alaska	State Program	10	CA01531	06-30-15
Arizona	State Program	9	AZ0671	10-13-15
California	LA Cty Sanitation Districts	9	10256	01-31-16 *
California	State Program	9	2706	06-30-16
Guam	State Program	9	Cert. No. 12.002r	01-23-16
Hawaii	State Program	9	N/A	01-29-16
Nevada	State Program	9	CA015312007A	07-31-15
New Mexico	State Program	6	N/A	01-29-15 *
Northern Mariana Islands	State Program	9	MP0002	01-29-15 *
Oregon	NELAP	10	4005	01-29-16
USDA	Federal		P330-09-00080	06-06-15

Laboratory: TestAmerica Savannah

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
	AFCEE		SAVLAB	
A2LA	DoD ELAP		399.01	02-28-17
A2LA	ISO/IEC 17025		399.01	02-28-17
Alabama	State Program	4	41450	06-30-15
Arkansas DEQ	State Program	6	88-0692	01-31-16
California	State Program	9	2939	07-31-15
Colorado	State Program	8	N/A	12-31-15
Connecticut	State Program	1	PH-0161	03-31-15 *
Florida	NELAP	4	E87052	06-30-15
GA Dept. of Agriculture	State Program	4	N/A	06-12-17
Georgia	State Program	4	N/A	06-30-15
Georgia	State Program	4	803	06-30-15
Guam	State Program	9	14-004r	04-16-15 *
Hawaii	State Program	9	N/A	06-30-15
Illinois	NELAP	5	200022	11-30-15
Indiana	State Program	5	N/A	06-30-15
Iowa	State Program	7	353	07-01-15
Kentucky (DW)	State Program	4	90084	12-31-15
Kentucky (UST)	State Program	4	18	06-30-15
Kentucky (WW)	State Program	4	90084	12-31-15
Louisiana	NELAP	6	30690	06-30-15
Louisiana (DW)	NELAP	6	LA150014	12-31-15
Maine	State Program	1	GA00006	09-24-16
Maryland	State Program	3	250	12-31-15
Massachusetts	State Program	1	M-GA006	06-30-15
Michigan	State Program	5	9925	06-30-15
Mississippi	State Program	4	N/A	06-30-15
Montana	State Program	8	CERT0081	12-31-15
Nebraska	State Program	7	TestAmerica-Savannah	06-30-15
New Jersey	NELAP	2	GA769	06-30-15
New Mexico	State Program	6	N/A	06-30-15
New York	NELAP	2	10842	03-31-15 *
North Carolina (DW)	State Program	4	13701	07-31-15
North Carolina (WW/SW)	State Program	4	269	12-31-15

* Certification renewal pending - certification considered valid.

Laboratory: TestAmerica Savannah (Continued)

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Oklahoma	State Program	6	9984	08-31-15
Pennsylvania	NELAP	3	68-00474	06-30-15
Puerto Rico	State Program	2	GA00006	12-31-15
South Carolina	State Program	4	98001	06-30-15
Tennessee	State Program	4	TN02961	06-30-15
Texas	NELAP	6	T104704185-14-7	11-30-15
USDA	Federal		SAV 3-04	06-11-17
Virginia	NELAP	3	460161	06-14-15
Washington	State Program	10	C805	06-10-15
West Virginia (DW)	State Program	3	9950C	12-31-15
West Virginia DEP	State Program	3	094	06-30-15
Wisconsin	State Program	5	999819810	08-31-15
Wyoming	State Program	8	8TMS-L	06-30-15

MOORE TWINING ASSOCIATES, INC.

SUBCONTRACT ORDER - Purchase Order # 72982

California ELAP Certification # 1371

MTA Project # BC10062

Please reference these numbers on all reports and invoices:
We also request QC data be provided with final report.

SENDING LABORATORY:

Moore Twining Associates, Inc.
2527 Fresno Street
Fresno, CA 93721
Phone: (559) 268-7021
Fax: (559) 268-0740
Project Manager: Julio Morales

RECEIVING LABORATORY:

Test America - Irvine
17461 Derian Ave., Suite 100
Irvine, CA 92614
Phone :(949) 261-1022
Fax: (949) 260-3299

Sample Comments

Client Sample ID#: Inf-001

MTA Sample ID: BC10062-01 Matrix: Water **Sampled: 03/10/15 14:00** **Report Due to Client: 03/24/15**

Requested Analysis: Phenols, Total (Sub) Holding time expires: 03/17/15 14:00

Containers Supplied:

1L Amber Glass
Unpreserved (G)

440-104402 Chain of Custody

Released By	Date	Received By	Date
	3/12/15		03/13/15 9:45

Please fax copy of receipt with your assigned sample ID number to (559) 268-0740 Page 1 of 1

MAR 11 2015

Login Sample Receipt Checklist

Client: Moore Twining Associates, Inc.

Job Number: 440-104402-1

Login Number: 104402
List Number: 1
Creator: Kim, Guerry

List Source: TestAmerica Irvine

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Moore Twining Associates, Inc.

Job Number: 440-104402-1

Login Number: 104402
List Number: 2
Creator: Elliot, William J

List Source: TestAmerica Savannah
List Creation: 03/14/15 10:22 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

MOORE TWINING ASSOCIATES, INC.

CHAIN OF CUSTODY/ANALYSIS REQUEST

2527 FRESNO STREET • FRESNO, CA 93721 • PHONE (559) 268-7021 • FAX: (559) 268-0740

ANALYTICAL CHEMISTRY DIVISION
CALIFORNIA ELAP CERTIFICATION # 1371

WORK ORDER #: ~~BC10062~~ BC10062
PAGE 1 OF 2

ATTENTION: Jim Anderson	ATTENTION: BURT SIVERLING	☐ STANDARD FORMAT
NAME: Malaga County Water District	NAME:	☐ EDT (STATE FORM)
ADDRESS: 3580 S. Frank	ADDRESS: SAME	☐ GEOTRACKER/COELT (LUFT)
Fresno, CA 93725		☐ PDF ☐ EXCEL
PHONE: (559) 485-7353	PHONE:	☐ County DHS :
FAX: (559) 495-1070	FAX:	☐ Environmental Health Agency :
		☐ OTHER:

SAMPLE INFORMATION

SAMPLED BY (PRINT): Mickey Larson

SIGNATURE: [signature]

☐ PUBLIC SYSTEM ☒ ROUTINE
☐ PRIVATE WELL ☐ REPEAT
☐ OTHER ☐ REPLACEMENT

TURN AROUND TIME: ☐ RUSH, DUE ON: _____
☒ STANDARD

SAMPLE TYPES:

SOLID:
BS – BIOSOLID
CR – CERAMIC
SL – SOIL/SOLID

LIQUID:
DW – DRINKING WATER
GW – GROUND WATER
OL – OIL
SF – SURFACE WATER
ST – ~~STORM WATER~~
WW – WASTE WATER

PROJECT INFORMATION

CONTRACT/P.O. NO.:

PROJECT: Local Limits

PROJECT NUMBER:

CRWA MEMBER? ☐ YES ☐ ☐ NO☐

ANALYSIS REQUESTED

LAB USE

NOTES ON RECEIVED CONDITION:
☐ CUSTODY SEAL(S) BROKEN ☐ SAMPLE(S) DAMAGED
☒ ON ICE ☐ AMBIENT TEMP. ☐ INCORRECT PRESERVATION

LAB USE	CLIENT SAMPLE ID	DATE	TIME	TYPE	EPA 624 Benzene	525 Diazinon	As, Al, Ba, B, Ca, Cd, Cu, Cr, Fe	Mg, Hg, Ni, Pb,Ag, Se, Zn	Cn, pH, Ec, BOD, TSS	Nitrate + Nitrite, Ammonia, TKP	Cl, NO3-N, NO2-N, Fl	TPH-G, TPH-D	1664, 1664SGT	Phenols	System Number / Station Code
1	3/10/15 1400 P.O.C. INF001	3/10/15	1400	WW	X	X	X	X	X	X	X	X	X	X	

PLEASE ANALYZE FOR "POLLUTANTS OF CONCERN" ONLY

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY
BURT S	MALAGA CWD	3/10/15	1530	[signature]	MTA

Moore Twining Associates

Sample Integrity — Page 2 of 2 — WO# BC15062 — MTA Bottles: Yes or No

COC Info						
Was temperature within range? Chemistry ≤6°C Micro <10°C Temp_____°C	Yes No N/A	Did all bottle labels agree with COC?	Yes No N/A	Were there bubbles in VOA vials? **(Volatiles Only)**	Yes No N/A
If samples were taken today, is there evidence that chilling has begun? Recvd 1.5 C°	Yes No N/A	Was a sufficient amount of sample received?	Yes No N/A	Was PM notified of discrepancies? PM: By/Time:	Yes No N/A
Did all bottles arrive unbroken and intact?	Yes No N/A	Were correct containers and preservatives received for the tests requested?	Yes No N/A		
Do samples have a hold time <72 hours?	Yes No N/A				

Bottles Received		
125ml (A) 250ml (B) 1Liter (C) 40ml VOA (V)	1	
Bacti $Na_2S_2O_3$		
None (P)	3C	
Cr6 Buffer (P) Borate Carbonate Buffer		
HNO_3 (P)	1A	
H_2SO_4 (P)	1B	
NaOH (P)	1B	
NaOH+ZnAc (P)		
Dissolved Oxygen 300ml (P)		
None (AG)	6C	
None (CG) 500ml		
$Na_2S_2O_3$ 250ml (Brown P) 549		
$Na_2S_2O_3$ (AG)	2C	
$Na_2S_2O_3$ (AG)		
Thio/K Citrate		
NH_4Cl (AG) 552		
HCl (AG)	2C/4V	
None (CG) 500ml		
H_3PO_4 (AG)		
Other:		
Plastic Bag		
Low Level Hg/Metals Double Bag		
Client Own		
Glass Jar: 125/ 250/ 500		
Soil Tube: Brass/ Steel/ Plastic		

Notes

Filter or Split		Container	Preservative	Date/Time/Initials
	S P F			
	S P F			
	S P F			
	S P F			
	S P F			

Labeled by: J @ 1605 Labels checked by: MB @ 1610

FL-SC-0003-05

Attachment F

Priority Pollutants: Effluent

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate # 1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

March 26, 2015

Work Order #: BC10061

Jim Anderson
Malaga County Water District
3580 S. Frank
Fresno, CA 93725

RE: Priority Pollutants and Local Limits

Enclosed are the analytical results for samples received by our laboratory on 03/10/15 . For your reference, these analyses have been assigned laboratory work order number BC10061 .

All analyses have been performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, Moore Twining Associates, Inc. (MTA) is not responsible for use of less than complete reports. Results apply only to samples analyzed.

If you have any questions, please feel free to contact us at the number listed above.

Sincerely,

Moore Twining Associates, Inc.

Lisa Montijo

Lisa Montijo
Client Services Representative

MOORE TWINING ASSOCIATES, INC.

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

California ELAP Certificate # 1371

Malaga County Water District
3580 S. Frank
Fresno CA, 93725

Project: Priority Pollutants and Local Limits
Project Number: Priority Pollutants and Local Limits
Project Manager: Jim Anderson

Reported:
3/26/15

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Eff-002	BC10061-01	Waste Water	03/10/15 14:00	03/10/15 15:30

MOORE TWINING ASSOCIATES, INC.

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

California ELAP Certificate # 1371

Malaga County Water District
3580 S. Frank
Fresno CA, 93725

Project: Priority Pollutants and Local Limits
Project Number: Priority Pollutants and Local Limits
Project Manager: Jim Anderson

Reported:
3/26/15

Eff-002

BC10061-01 (Waste Water)

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Inorganics										
Ammonia as N	**0.23**	1.0	0.038	mg/L	1	U5C1004	03/10/15	03/10/15	EPA 350.1	**J**
Biochemical Oxygen Demand	**7.0**	1.0	1.0	mg/L	1	U5C1023	03/11/15	03/16/15	SM5210B	
Chloride	**56**	4.0	0.037	mg/L	2	U5C1018	03/10/15	03/10/15	EPA 300.0	
Cyanide (total)	**5.0**	5.0	2.8	µg/L	1	U5C1102	03/12/15	03/12/15	SM4500CN-E	
Specific Conductance (EC)	**900**	1.0	0.26	µS/cm	1	U5C1025	03/10/15	03/11/15	SM2510B	
Fluoride	**3.6**	0.20	0.0072	mg/L	2	U5C1018	03/10/15	03/10/15	EPA 300.0	
Nitrate as Nitrogen	**15**	0.90	0.0080	mg/L	2	[CALC]	03/10/15	03/10/15	EPA 300.0	
Nitrate as NO3	**68**	4.0	0.035	mg/L	2	U5C1018	03/10/15	03/10/15	EPA 300.0	
Nitrite as N	ND	0.60	0.021	mg/L	2	U5C1018	03/10/15	03/10/15	EPA 300.0	
pH	**7.4**	0.10	0.10	pH Units	1	U5C1025	03/10/15	03/11/15	SM4500-H B	
Phosphorus	**4.7**	0.50	0.011	mg/L	1	U5C1204	03/12/15	03/12/15	EPA 365.4	
Total Suspended Solids	**22**	4.0	0.23	mg/L	1	U5C1202	03/12/15	03/12/15	SM 2540D	
Metals - Totals										
Aluminum	**0.65**	0.050	0.0072	mg/L	1	U5C1318	03/19/15	03/23/15	EPA 200.7	
Antimony	**0.0016**	0.0050	0.0014	mg/L	1	U5C1318	03/19/15	03/23/15	EPA 200.7	**J**
Arsenic	ND	0.010	0.0023	mg/L	1	U5C1318	03/19/15	03/23/15	EPA 200.7	
Barium	**0.050**	0.010	0.00013	mg/L	1	U5C1318	03/19/15	03/23/15	EPA 200.7	
Beryllium	ND	0.0010	0.00020	mg/L	1	U5C1318	03/19/15	03/23/15	EPA 200.7	
Boron	**0.11**	0.050	0.00083	mg/L	1	U5C1318	03/19/15	03/23/15	EPA 200.7	
Cadmium	**0.00070**	0.0010	0.00020	mg/L	1	U5C1318	03/19/15	03/23/15	EPA 200.7	**J**
Calcium	**40**	0.10	0.0076	mg/L	1	U5C1318	03/19/15	03/23/15	EPA 200.7	
Chromium	**0.0067**	0.0050	0.00091	mg/L	1	U5C1318	03/19/15	03/23/15	EPA 200.7	
Cobalt	ND	0.0020	0.00056	mg/L	1	U5C1318	03/19/15	03/23/15	EPA 200.7	
Copper	**0.038**	0.0050	0.00095	mg/L	1	U5C1318	03/19/15	03/23/15	EPA 200.7	
Iron	**0.29**	0.10	0.017	mg/L	1	U5C1318	03/19/15	03/23/15	EPA 200.7	
Lead	**0.0020**	0.0050	0.0014	mg/L	1	U5C1318	03/19/15	03/23/15	EPA 200.7	**J**
Magnesium	**17**	0.10	0.0091	mg/L	1	U5C1318	03/19/15	03/23/15	EPA 200.7	
Mercury	ND	0.20	0.035	µg/L	1	U5C1014	03/11/15	03/11/15	EPA 245.1	
Molybdenum	**0.027**	0.0050	0.00075	mg/L	1	U5C1318	03/19/15	03/23/15	EPA 200.7	
Nickel	**0.0042**	0.0050	0.00051	mg/L	1	U5C1318	03/19/15	03/23/15	EPA 200.7	**J**
Selenium	ND	0.020	0.0018	mg/L	1	U5C1318	03/19/15	03/23/15	EPA 200.7	
Silver	ND	0.0050	0.0011	mg/L	1	U5C1318	03/19/15	03/23/15	EPA 200.7	
Thallium	**0.0026**	0.020	0.0024	mg/L	1	U5C1318	03/19/15	03/23/15	EPA 200.7	**J**
Vanadium	**0.091**	0.010	0.0030	mg/L	1	U5C1318	03/19/15	03/23/15	EPA 200.7	
Zinc	**0.12**	0.0050	0.00080	mg/L	1	U5C1318	03/19/15	03/23/15	EPA 200.7	

MOORE TWINING ASSOCIATES, INC.

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

California ELAP Certificate # 1371

Malaga County Water District
3580 S. Frank
Fresno CA, 93725

Project: Priority Pollutants and Local Limits
Project Number: Priority Pollutants and Local Limits
Project Manager: Jim Anderson

Reported:
3/26/15

Eff-002

BC10061-01 (Waste Water)

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Semi-Volatile Organics										
Diazinon	ND	0.25		µg/L	1	U5C1702	03/17/15	03/19/15	EPA 525.2	
Surrogate: 1,3-Dimethyl-2-nitrobenzene	*113 %*	*70-130*				*U5C1702*	*03/17/15*	*03/19/15*	*EPA 525.2*	
Surrogate: Triphenyl phosphate	*198 %*	*70-130*				*U5C1702*	*03/17/15*	*03/19/15*	*EPA 525.2*	*S03*
Surrogate: Perylene-d12	*100 %*	*70-130*				*U5C1702*	*03/17/15*	*03/19/15*	*EPA 525.2*	
Total Oil & Grease (HEM)	**0.31**	1.0	0.17	mg/L	1	U5C1401	03/14/15	03/17/15	EPA 1664A	**J**
Total Oil & Grease (HEM non-polar)	ND	1.0	0.46	mg/L	1	U5C1401	03/14/15	03/17/15	EPA 1664A SGT	
Diesel	**140**	50	25	µg/L	1	U5C1205	03/12/15	03/18/15	EPA 8015B	
Surrogate: o-Terphenyl	*50.6 %*	*34-150*				*U5C1205*	*03/12/15*	*03/18/15*	*EPA 8015B*	
Volatile Organics										
Chloromethane	ND	0.50	0.16	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Vinyl chloride	ND	0.50	0.16	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Bromomethane	ND	1.0	0.32	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Chloroethane	ND	0.50	0.16	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Trichlorofluoromethane (CFC-11)	ND	0.50	0.13	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Trichlorotrifluoroethane (CFC-113)	ND	1.0	0.11	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
1,1-Dichloroethene	ND	0.50	0.14	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Acrolein	ND	10	1.5	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Methylene chloride	ND	1.0	0.20	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
trans-1,2-Dichloroethene	ND	0.50	0.11	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.36	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
1,1-Dichloroethane	ND	0.50	0.12	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Acrylonitrile	ND	5.0	2.9	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
cis-1,2-Dichloroethene	ND	0.50	0.15	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Chloroform	ND	0.50	0.14	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Carbon tetrachloride	ND	0.50	0.16	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
1,1,1-Trichloroethane (TCA)	ND	0.50	0.16	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
1,1-Dichloropropene	ND	0.50	0.12	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Benzene	ND	0.50	0.10	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
1,2-Dichloroethane (1,2-DCA)	ND	0.50	0.10	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Trichloroethene (TCE)	ND	0.50	0.17	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
1,2-Dichloropropane	ND	0.50	0.10	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Bromodichloromethane	ND	0.50	0.13	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
2-Chloroethylvinyl ether	ND	1.0	0.33	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
cis-1,3-Dichloropropene	ND	0.50	0.11	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Toluene	ND	0.50	0.27	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	

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Eff-002

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Volatile Organics										
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Tetrachloroethene (PCE)	ND	0.50	0.12	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
1,1,2-Trichloroethane	ND	0.50	0.12	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Dibromochloromethane	ND	0.50	0.11	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
1,2-Dibromoethane (EDB)	ND	0.50	0.22	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Ethylbenzene	ND	0.50	0.10	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Chlorobenzene	ND	0.50	0.10	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
1,1,1,2-Tetrachloroethane	ND	0.50	0.12	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
m,p-Xylene	ND	1.0	0.20	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
o-Xylene	ND	0.50	0.10	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Styrene	ND	0.50	0.10	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Bromoform	ND	1.0	0.12	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
1,1,2,2-Tetrachloroethane	ND	1.0	0.21	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
1,2,3-Trichloropropane (123TCP)	ND	0.50	0.29	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
1,3-Dichlorobenzene	ND	0.50	0.040	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
1,4-Dichlorobenzene	ND	0.50	0.10	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
1,2-Dichlorobenzene	ND	0.50	0.12	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
1,2,4-Trichlorobenzene	ND	1.0	0.10	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Hexachlorobutadiene	ND	1.0	0.10	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Naphthalene	ND	0.50	0.15	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Xylenes	ND	2.0		µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Surrogate: 4-Bromofluorobenzene	*103 %*	*70-130*				*U5C1606*	*03/16/15*	*03/16/15*	*EPA 624*	
Surrogate: Dibromofluoromethane	*95.1 %*	*70-130*				*U5C1606*	*03/16/15*	*03/16/15*	*EPA 624*	
Surrogate: Toluene-d8	*96.9 %*	*70-130*				*U5C1606*	*03/16/15*	*03/16/15*	*EPA 624*	
Gasoline	ND	50	6.0	µg/L	1	U5C1714	03/17/15	03/17/15	EPA 8015B	
Surrogate: 4-Bromofluorobenzene (FID)	*115 %*	*70-130*				*U5C1714*	*03/17/15*	*03/17/15*	*EPA 8015B*	

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3580 S. Frank	Project Number: Priority Pollutants and Local Limits	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	**3/26/15**

Notes and Definitions

S03	Surrogate recovery was biased high for this sample; sample results are ND.
RPD3	The RPD is out of range for this spike and its duplicate due to a low or high bias of one of the two spikes.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag). Same as DNQ - Detected, but Not Quantified.
BS2	Recovery for this analyte was biased low. Results were accepted based on duplicate results.
BS1	Recovery for this analyte was biased high. Results were accepted based on duplicate results.
BLK02	Detected in the blank; associated samples were either ND, or >10x the amount detected.
ND	Analyte NOT DETECTED at or above the Method Detection Limit (MDL)
NR	Not Reported
RPD	Relative Percent Difference
MDL	Method Detection Limit

Analysis of pH, filtration, and residual chlorine is to take place immediately after sampling in the field.
If the test was performed in the laboratory, the hold time was exceeded. **(for aqueous matrices only)**

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Project Manager: Jim Anderson

Reported:
3/26/15

Inorganics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5C1004										
Blank (U5C1004-BLK1)				Prepared & Analyzed: 03/10/15						
Ammonia as N	0.120	1.0	mg/L							J
LCS (U5C1004-BS1)				Prepared & Analyzed: 03/10/15						
Ammonia as N	20.2	1.0	mg/L	22.5		89.8	80-120		20	
LCS Dup (U5C1004-BSD1)				Prepared & Analyzed: 03/10/15						
Ammonia as N	18.8	1.0	mg/L	22.5		83.4	80-120	7.31	20	
Matrix Spike (U5C1004-MS1)		**Source: BC10003-03**		Prepared & Analyzed: 03/10/15						
Ammonia as N	23.0	1.0	mg/L	22.5	0.133	102	80-120		20	
Matrix Spike (U5C1004-MS2)		**Source: BC10044-03**		Prepared & Analyzed: 03/10/15						
Ammonia as N	27.1	1.0	mg/L	22.5	3.09	107	80-120		20	
Matrix Spike Dup (U5C1004-MSD1)		**Source: BC10003-03**		Prepared & Analyzed: 03/10/15						
Ammonia as N	21.0	1.0	mg/L	22.5	0.133	92.8	80-120	9.08	20	
Matrix Spike Dup (U5C1004-MSD2)		**Source: BC10044-03**		Prepared & Analyzed: 03/10/15						
Ammonia as N	25.3	1.0	mg/L	22.5	3.09	98.5	80-120	7.03	20	
Batch U5C1018										
Blank (U5C1018-BLK1)				Prepared & Analyzed: 03/10/15						
Fluoride	ND	0.10	mg/L							
Chloride	ND	2.0	mg/L							
Nitrite as N	ND	0.30	mg/L							
Nitrate as NO3	0.0887	2.0	mg/L							J
LCS (U5C1018-BS1)				Prepared & Analyzed: 03/10/15						
Fluoride	2.08	0.10	mg/L	2.00		104	90-110		20	
Nitrite as N	5.31	0.30	mg/L	5.00		106	90-110		20	
Chloride	52.3	2.0	mg/L	50.0		105	90-110		20	
Nitrate as NO3	52.4	2.0	mg/L	50.0		105	90-110		20	
LCS Dup (U5C1018-BSD1)				Prepared & Analyzed: 03/10/15						
Fluoride	1.92	0.10	mg/L	2.00		96.2	90-110	7.92	20	
Nitrite as N	4.94	0.30	mg/L	5.00		98.9	90-110	7.06	20	
Chloride	47.9	2.0	mg/L	50.0		95.9	90-110	8.75	20	
Nitrate as NO3	48.6	2.0	mg/L	50.0		97.3	90-110	7.36	20	
Matrix Spike (U5C1018-MS1)		**Source: BC10003-03**		Prepared & Analyzed: 03/10/15						
Fluoride	4.23	0.20	mg/L	4.00	0.104	103	48.9-155		20	
Chloride	169	4.0	mg/L	100	50.9	119	48-147		15	

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Inorganics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5C1018										
Matrix Spike (U5C1018-MS1)		**Source: BC10003-03**		Prepared & Analyzed: 03/10/15						
Nitrite as N	10.9	0.60	mg/L	10.0	ND	109	80-120		20	
Nitrate as NO3	136	4.0	mg/L	100	26.6	109	70-130		20	
Matrix Spike (U5C1018-MS2)		**Source: BC10060-01**		Prepared & Analyzed: 03/10/15						
Fluoride	11.7	0.40	mg/L	8.00	3.72	100	48.9-155		20	
Nitrite as N	20.2	1.2	mg/L	20.0	ND	101	80-120		20	
Chloride	253	8.0	mg/L	200	54.8	98.9	48-147		15	
Nitrate as NO3	265	8.0	mg/L	200	71.6	96.5	70-130		20	
Matrix Spike Dup (U5C1018-MSD1)		**Source: BC10003-03**		Prepared & Analyzed: 03/10/15						
Fluoride	4.31	0.20	mg/L	4.00	0.104	105	48.9-155	1.93	20	
Chloride	169	4.0	mg/L	100	50.9	118	48-147	0.240	15	
Nitrite as N	10.6	0.60	mg/L	10.0	ND	106	80-120	2.94	20	
Nitrate as NO3	134	4.0	mg/L	100	26.6	107	70-130	1.67	20	
Matrix Spike Dup (U5C1018-MSD2)		**Source: BC10060-01**		Prepared & Analyzed: 03/10/15						
Fluoride	11.7	0.40	mg/L	8.00	3.72	99.2	48.9-155	0.670	20	
Chloride	251	8.0	mg/L	200	54.8	98.2	48-147	0.608	15	
Nitrite as N	20.0	1.2	mg/L	20.0	ND	99.9	80-120	0.957	20	
Nitrate as NO3	262	8.0	mg/L	200	71.6	95.5	70-130	0.768	20	
Batch U5C1023										
Blank (U5C1023-BLK1)				Prepared: 03/11/15 Analyzed: 03/16/15						
Biochemical Oxygen Demand	ND	1.0	mg/L							
LCS (U5C1023-BS1)				Prepared: 03/11/15 Analyzed: 03/16/15						
Biochemical Oxygen Demand	155	50	mg/L	198		78.1	85-115		20	BS2
LCS Dup (U5C1023-BSD1)				Prepared: 03/11/15 Analyzed: 03/16/15						
Biochemical Oxygen Demand	171	50	mg/L	198		86.2	85-115	9.84	20	
Duplicate (U5C1023-DUP1)		**Source: BC10062-01**		Prepared: 03/11/15 Analyzed: 03/16/15						
Biochemical Oxygen Demand	103	30	mg/L		113			9.70	20	
Duplicate (U5C1023-DUP2)		**Source: BC11008-01**		Prepared: 03/11/15 Analyzed: 03/16/15						
Biochemical Oxygen Demand	225	30	mg/L		216			4.24	20	
Batch U5C1025										
Blank (U5C1025-BLK1)				Prepared: 03/10/15 Analyzed: 03/11/15						
Specific Conductance (EC)	ND	1.0	µS/cm							
LCS (U5C1025-BS1)				Prepared: 03/10/15 Analyzed: 03/11/15						

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Inorganics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5C1025										
LCS (U5C1025-BS1)				Prepared: 03/10/15 Analyzed: 03/11/15						
Specific Conductance (EC)	519	1.0	µS/cm	500		104	80-120		20	
LCS (U5C1025-BS2)				Prepared: 03/10/15 Analyzed: 03/11/15						
pH	7.00	0.10	pH Units	7.00		100	97-103		20	
LCS Dup (U5C1025-BSD1)				Prepared: 03/10/15 Analyzed: 03/11/15						
Specific Conductance (EC)	514	1.0	µS/cm	500		103	80-120	0.981	20	
LCS Dup (U5C1025-BSD2)				Prepared: 03/10/15 Analyzed: 03/11/15						
pH	7.01	0.10	pH Units	7.00		100	97-103	0.143	20	
Duplicate (U5C1025-DUP1)		**Source: BC10061-01**		Prepared: 03/10/15 Analyzed: 03/11/15						
pH	7.42	0.10	pH Units		7.36			0.812	20	
Specific Conductance (EC)	901	1.0	µS/cm		896			0.565	20	
Duplicate (U5C1025-DUP2)		**Source: BC10062-01**		Prepared: 03/10/15 Analyzed: 03/11/15						
pH	7.63	0.10	pH Units		7.60			0.394	20	
Specific Conductance (EC)	1040	1.0	µS/cm		1040			0.00	20	
Batch U5C1102										
Blank (U5C1102-BLK1)				Prepared & Analyzed: 03/12/15						
Cyanide (total)	ND	5.0	µg/L							
LCS (U5C1102-BS1)				Prepared & Analyzed: 03/12/15						
Cyanide (total)	50.4	5.0	µg/L	50.0		101	80-120		20	
LCS Dup (U5C1102-BSD1)				Prepared & Analyzed: 03/12/15						
Cyanide (total)	45.1	5.0	µg/L	50.0		90.2	80-120	11.1	20	
Matrix Spike (U5C1102-MS1)		**Source: BC04040-01**		Prepared & Analyzed: 03/12/15						
Cyanide (total)	46.7	5.0	µg/L	50.0	ND	93.4	80-120		20	
Matrix Spike Dup (U5C1102-MSD1)		**Source: BC04040-01**		Prepared & Analyzed: 03/12/15						
Cyanide (total)	49.9	5.0	µg/L	50.0	ND	99.8	80-120	6.63	20	
Batch U5C1202										
Blank (U5C1202-BLK1)				Prepared & Analyzed: 03/12/15						
Total Suspended Solids	ND	4.0	mg/L							
Duplicate (U5C1202-DUP1)		**Source: BC10067-01**		Prepared & Analyzed: 03/12/15						
Total Suspended Solids	5200	200	mg/L		4800			6.39	20	
Duplicate (U5C1202-DUP2)		**Source: BC11003-04**		Prepared & Analyzed: 03/12/15						
Total Suspended Solids	4000	200	mg/L		3900			2.03	20	

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Inorganics - Quality Control

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Batch U5C1204										
Blank (U5C1204-BLK1)				Prepared & Analyzed: 03/12/15						
Phosphorus	ND	0.50	mg/L							
LCS (U5C1204-BS1)				Prepared & Analyzed: 03/12/15						
Phosphorus	7.63	0.50	mg/L	7.50		102	80-120		20	
LCS Dup (U5C1204-BSD1)				Prepared & Analyzed: 03/12/15						
Phosphorus	7.34	0.50	mg/L	7.50		97.8	80-120	3.93	20	
Matrix Spike (U5C1204-MS1)		**Source: BC10061-01**		Prepared & Analyzed: 03/12/15						
Phosphorus	12.9	0.50	mg/L	7.50	4.71	109	80-120		20	
Matrix Spike (U5C1204-MS2)		**Source: BC11021-04**		Prepared & Analyzed: 03/12/15						
Phosphorus	7.35	0.50	mg/L	7.50	0.0496	97.4	80-120		20	
Matrix Spike Dup (U5C1204-MSD1)		**Source: BC10061-01**		Prepared & Analyzed: 03/12/15						
Phosphorus	12.1	0.50	mg/L	7.50	4.71	98.2	80-120	6.54	20	
Matrix Spike Dup (U5C1204-MSD2)		**Source: BC11021-04**		Prepared & Analyzed: 03/12/15						
Phosphorus	7.42	0.50	mg/L	7.50	0.0496	98.2	80-120	0.894	20	

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California ELAP Certificate # 1371

Malaga County Water District
3580 S. Frank
Fresno CA, 93725

Project: Priority Pollutants and Local Limits
Project Number: Priority Pollutants and Local Limits
Project Manager: Jim Anderson

Reported:
3/26/15

Metals - Totals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5C1014										
Blank (U5C1014-BLK1)				Prepared & Analyzed: 03/11/15						
Mercury	ND	0.20	µg/L							
LCS (U5C1014-BS1)				Prepared & Analyzed: 03/11/15						
Mercury	5.02	0.20	µg/L	5.00		100	80-120		20	
LCS Dup (U5C1014-BSD1)				Prepared & Analyzed: 03/11/15						
Mercury	4.97	0.20	µg/L	5.00		99.3	80-120	1.07	20	
Matrix Spike (U5C1014-MS1)		**Source: BC03019-01**		Prepared & Analyzed: 03/11/15						
Mercury	28.1	1.2	µg/L	30.0	ND	93.5	70-130		20	
Matrix Spike (U5C1014-MS2)		**Source: BC05019-02**		Prepared & Analyzed: 03/11/15						
Mercury	29.7	1.2	µg/L	30.0	ND	98.9	70-130		20	
Matrix Spike Dup (U5C1014-MSD1)		**Source: BC03019-01**		Prepared & Analyzed: 03/11/15						
Mercury	28.5	1.2	µg/L	30.0	ND	95.1	70-130	1.66	20	
Matrix Spike Dup (U5C1014-MSD2)		**Source: BC05019-02**		Prepared & Analyzed: 03/11/15						
Mercury	29.8	1.2	µg/L	30.0	ND	99.5	70-130	0.622	20	
Batch U5C1318										
Blank (U5C1318-BLK1)				Prepared: 03/19/15 Analyzed: 03/23/15						
Thallium	0.00749	0.020	mg/L							J
Cadmium	ND	0.0010	mg/L							
Aluminum	ND	0.050	mg/L							
Silver	ND	0.0050	mg/L							
Boron	0.00173	0.050	mg/L							J
Selenium	ND	0.020	mg/L							
Antimony	ND	0.0050	mg/L							
Arsenic	ND	0.010	mg/L							
Vanadium	ND	0.010	mg/L							
Zinc	0.00600	0.0050	mg/L							BLK02
Barium	0.000224	0.010	mg/L							J
Calcium	0.0132	0.10	mg/L							J
Nickel	ND	0.0050	mg/L							
Iron	ND	0.10	mg/L							
Chromium	ND	0.0050	mg/L							
Cobalt	ND	0.0020	mg/L							
Copper	ND	0.0050	mg/L							
Molybdenum	0.00109	0.0050	mg/L							J

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Project: Priority Pollutants and Local Limits
Project Number: Priority Pollutants and Local Limits
Project Manager: Jim Anderson

Reported:
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Metals - Totals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5C1318										
Blank (U5C1318-BLK1)				Prepared: 03/19/15 Analyzed: 03/23/15						
Beryllium	ND	0.0010	mg/L							
Lead	ND	0.0050	mg/L							
Magnesium	ND	0.10	mg/L							
LCS (U5C1318-BS1)				Prepared: 03/19/15 Analyzed: 03/23/15						
Nickel	0.112	0.0050	mg/L	0.100		112	85-115		20	
Molybdenum	0.0956	0.0050	mg/L	0.100		95.6	85-115		20	
Antimony	0.105	0.0050	mg/L	0.100		105	85-115		20	
Aluminum	0.987	0.050	mg/L	1.00		98.7	85-115		20	
Beryllium	0.0201	0.0010	mg/L	0.0200		101	85-115		20	
Arsenic	0.222	0.010	mg/L	0.200		111	85-115		20	
Copper	0.0900	0.0050	mg/L	0.100		90.0	85-115		20	
Cobalt	0.0428	0.0020	mg/L	0.0400		107	85-115		20	
Barium	0.197	0.010	mg/L	0.200		98.6	85-115		20	
Chromium	0.101	0.0050	mg/L	0.100		101	85-115		20	
Zinc	0.115	0.0050	mg/L	0.100		115	85-115		20	
Thallium	0.412	0.020	mg/L	0.400		103	85-115		20	
Lead	0.100	0.0050	mg/L	0.100		100	85-115		20	
Cadmium	0.0215	0.0010	mg/L	0.0200		107	85-115		20	
Selenium	0.378	0.020	mg/L	0.400		94.6	85-115		20	
Magnesium	2.05	0.10	mg/L	2.00		103	85-115		20	
Silver	0.102	0.0050	mg/L	0.100		102	85-115		20	
Vanadium	0.183	0.010	mg/L	0.200		91.7	85-115		20	
Boron	0.957	0.050	mg/L	1.00		95.7	85-115		20	
Iron	1.99	0.10	mg/L	2.00		99.5	85-115		20	
Calcium	1.03	0.10	mg/L	1.00		103	85-115		20	
LCS Dup (U5C1318-BSD1)				Prepared: 03/19/15 Analyzed: 03/23/15						
Thallium	0.406	0.020	mg/L	0.400		102	85-115	1.49	20	
Boron	0.950	0.050	mg/L	1.00		95.0	85-115	0.742	20	
Iron	2.02	0.10	mg/L	2.00		101	85-115	1.33	20	
Cobalt	0.0417	0.0020	mg/L	0.0400		104	85-115	2.55	20	
Molybdenum	0.0941	0.0050	mg/L	0.100		94.1	85-115	1.62	20	
Lead	0.0978	0.0050	mg/L	0.100		97.8	85-115	2.25	20	
Calcium	1.05	0.10	mg/L	1.00		105	85-115	1.85	20	
Magnesium	2.04	0.10	mg/L	2.00		102	85-115	0.797	20	
Cadmium	0.0216	0.0010	mg/L	0.0200		108	85-115	0.735	20	

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Project Number: Priority Pollutants and Local Limits
Project Manager: Jim Anderson

Reported:
3/26/15

Metals - Totals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5C1318										
LCS Dup (U5C1318-BSD1)				Prepared: 03/19/15 Analyzed: 03/23/15						
Selenium	0.376	0.020	mg/L	0.400		94.0	85-115	0.610	20	
Nickel	0.110	0.0050	mg/L	0.100		110	85-115	1.53	20	
Arsenic	0.215	0.010	mg/L	0.200		107	85-115	3.11	20	
Zinc	0.116	0.0050	mg/L	0.100		116	85-115	0.787	20	BS1
Chromium	0.0997	0.0050	mg/L	0.100		99.7	85-115	0.922	20	
Silver	0.100	0.0050	mg/L	0.100		100	85-115	1.28	20	
Vanadium	0.183	0.010	mg/L	0.200		91.5	85-115	0.287	20	
Beryllium	0.0205	0.0010	mg/L	0.0200		103	85-115	2.16	20	
Barium	0.198	0.010	mg/L	0.200		98.9	85-115	0.251	20	
Aluminum	1.00	0.050	mg/L	1.00		100	85-115	1.65	20	
Antimony	0.106	0.0050	mg/L	0.100		106	85-115	0.942	20	
Copper	0.0876	0.0050	mg/L	0.100		87.6	85-115	2.65	20	
Matrix Spike (U5C1318-MS1)		**Source: BC12014-01**		Prepared: 03/19/15 Analyzed: 03/23/15						
Zinc	3.94	0.050	mg/L	1.00	2.93	101	70-130		20	
Vanadium	1.85	0.10	mg/L	2.00	ND	92.4	70-130		20	
Antimony	1.05	0.050	mg/L	1.00	ND	105	70-130		20	
Arsenic	2.03	0.10	mg/L	2.00	ND	102	70-130		20	
Nickel	1.07	0.050	mg/L	1.00	ND	107	70-130		20	
Iron	20.2	1.0	mg/L	20.0	0.344	99.3	70-130		20	
Barium	1.96	0.10	mg/L	2.00	0.0187	97.1	70-130		20	
Silver	0.961	0.050	mg/L	1.00	ND	96.1	70-130		20	
Boron	9.62	0.50	mg/L	10.0	0.522	91.0	70-130		20	
Lead	0.953	0.050	mg/L	1.00	ND	95.3	70-130		20	
Beryllium	0.205	0.010	mg/L	0.200	ND	102	70-130		20	
Selenium	3.72	0.20	mg/L	4.00	ND	93.1	70-130		20	
Copper	0.883	0.050	mg/L	1.00	ND	88.3	70-130		20	
Chromium	0.957	0.050	mg/L	1.00	ND	95.7	70-130		20	
Cobalt	0.403	0.020	mg/L	0.400	0.00559	99.5	70-130		20	
Molybdenum	0.931	0.050	mg/L	1.00	0.0107	92.1	70-130		20	
Cadmium	0.207	0.010	mg/L	0.200	ND	103	70-130		20	
Thallium	3.92	0.20	mg/L	4.00	0.0491	96.8	70-130		20	
Aluminum	9.90	0.50	mg/L	10.0	ND	99.0	70-130		20	
Matrix Spike (U5C1318-MS2)		**Source: BC12025-01**		Prepared: 03/19/15 Analyzed: 03/23/15						
Barium	0.422	0.020	mg/L	0.400	0.0571	91.3	70-130		20	
Lead	0.193	0.010	mg/L	0.200	0.00168	96.4	70-130		20	

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Metals - Totals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5C1318										
Matrix Spike (U5C1318-MS2)		**Source: BC12025-01**		Prepared: 03/19/15 Analyzed: 03/23/15						
Copper	0.249	0.010	mg/L	0.200	0.0681	90.2	70-130		20	
Cobalt	0.0833	0.0040	mg/L	0.0800	0.000789	104	70-130		20	
Selenium	0.747	0.040	mg/L	0.800	0.00715	92.5	70-130		20	
Chromium	0.194	0.010	mg/L	0.200	0.00552	94.0	70-130		20	
Molybdenum	0.217	0.010	mg/L	0.200	0.0263	95.4	70-130		20	
Beryllium	0.0403	0.0020	mg/L	0.0400	ND	101	70-130		20	
Arsenic	0.416	0.020	mg/L	0.400	ND	104	70-130		20	
Vanadium	0.441	0.020	mg/L	0.400	0.0843	89.2	70-130		20	
Antimony	0.217	0.010	mg/L	0.200	ND	109	70-130		20	
Zinc	0.509	0.010	mg/L	0.200	0.282	114	70-130		20	
Cadmium	0.0418	0.0020	mg/L	0.0400	0.000816	102	70-130		20	
Aluminum	2.53	0.10	mg/L	2.00	0.444	104	70-130		20	
Silver	0.193	0.010	mg/L	0.200	ND	96.3	70-130		20	
Boron	2.07	0.10	mg/L	2.00	0.136	96.5	70-130		20	
Nickel	0.219	0.010	mg/L	0.200	0.00461	107	70-130		20	
Iron	4.38	0.20	mg/L	4.00	0.298	102	70-130		20	
Thallium	0.780	0.040	mg/L	0.800	0.00455	97.5	70-130		20	
Matrix Spike Dup (U5C1318-MSD1)		**Source: BC12014-01**		Prepared: 03/19/15 Analyzed: 03/23/15						
Copper	0.873	0.050	mg/L	1.00	ND	87.3	70-130	1.13	20	
Arsenic	2.14	0.10	mg/L	2.00	ND	107	70-130	5.18	20	
Cobalt	0.418	0.020	mg/L	0.400	0.00559	103	70-130	3.59	20	
Nickel	1.10	0.050	mg/L	1.00	ND	110	70-130	2.67	20	
Chromium	0.986	0.050	mg/L	1.00	ND	98.6	70-130	2.98	20	
Barium	1.96	0.10	mg/L	2.00	0.0187	97.1	70-130	0.0109	20	
Vanadium	1.85	0.10	mg/L	2.00	ND	92.5	70-130	0.124	20	
Beryllium	0.203	0.010	mg/L	0.200	ND	101	70-130	0.950	20	
Silver	0.981	0.050	mg/L	1.00	ND	98.1	70-130	2.14	20	
Aluminum	10.2	0.50	mg/L	10.0	ND	102	70-130	2.63	20	
Thallium	4.16	0.20	mg/L	4.00	0.0491	103	70-130	5.81	20	
Lead	0.982	0.050	mg/L	1.00	ND	98.2	70-130	2.96	20	
Zinc	4.04	0.050	mg/L	1.00	2.93	111	70-130	2.38	20	
Cadmium	0.215	0.010	mg/L	0.200	ND	107	70-130	3.82	20	
Selenium	3.79	0.20	mg/L	4.00	ND	94.6	70-130	1.69	20	
Boron	9.93	0.50	mg/L	10.0	0.522	94.1	70-130	3.18	20	
Iron	20.4	1.0	mg/L	20.0	0.344	100	70-130	1.00	20	

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Metals - Totals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5C1318										
Matrix Spike Dup (U5C1318-MSD1)		**Source: BC12014-01**		Prepared: 03/19/15 Analyzed: 03/23/15						
Molybdenum	0.968	0.050	mg/L	1.00	0.0107	95.8	70-130	3.91	20	
Antimony	1.04	0.050	mg/L	1.00	ND	104	70-130	1.34	20	
Matrix Spike Dup (U5C1318-MSD2)		**Source: BC12025-01**		Prepared: 03/19/15 Analyzed: 03/23/15						
Beryllium	0.0402	0.0020	mg/L	0.0400	ND	100	70-130	0.189	20	
Iron	4.40	0.20	mg/L	4.00	0.298	103	70-130	0.587	20	
Silver	0.197	0.010	mg/L	0.200	ND	98.5	70-130	2.29	20	
Arsenic	0.419	0.020	mg/L	0.400	ND	105	70-130	0.743	20	
Antimony	0.215	0.010	mg/L	0.200	ND	108	70-130	0.988	20	
Boron	2.13	0.10	mg/L	2.00	0.136	99.6	70-130	2.91	20	
Aluminum	2.52	0.10	mg/L	2.00	0.444	104	70-130	0.324	20	
Zinc	0.526	0.010	mg/L	0.200	0.282	122	70-130	3.29	20	
Cadmium	0.0426	0.0020	mg/L	0.0400	0.000816	104	70-130	1.93	20	
Barium	0.424	0.020	mg/L	0.400	0.0571	91.8	70-130	0.490	20	
Vanadium	0.444	0.020	mg/L	0.400	0.0843	89.9	70-130	0.632	20	
Thallium	0.786	0.040	mg/L	0.800	0.00455	98.2	70-130	0.692	20	
Nickel	0.223	0.010	mg/L	0.200	0.00461	109	70-130	2.02	20	
Chromium	0.199	0.010	mg/L	0.200	0.00552	96.7	70-130	2.76	20	
Selenium	0.770	0.040	mg/L	0.800	0.00715	95.4	70-130	3.03	20	
Copper	0.257	0.010	mg/L	0.200	0.0681	94.3	70-130	3.21	20	
Lead	0.193	0.010	mg/L	0.200	0.00168	96.4	70-130	0.00917	20	
Cobalt	0.0837	0.0040	mg/L	0.0800	0.000789	105	70-130	0.469	20	
Molybdenum	0.222	0.010	mg/L	0.200	0.0263	98.0	70-130	2.42	20	

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Semi-Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5C1205										
Blank (U5C1205-BLK1)				Prepared: 03/12/15 Analyzed: 03/19/15						
Surrogate: o-Terphenyl	*26.0*		*µg/L*	*40.0*		*65.0*	*34-150*			
Diesel	31.0	50	µg/L							J
LCS (U5C1205-BS1)				Prepared: 03/12/15 Analyzed: 03/19/15						
Surrogate: o-Terphenyl	*33.8*		*µg/L*	*40.0*		*84.6*	*34-150*			
Diesel	449	50	µg/L	500		89.9	70-130		20	
LCS Dup (U5C1205-BSD1)				Prepared: 03/12/15 Analyzed: 03/19/15						
Surrogate: o-Terphenyl	*38.2*		*µg/L*	*40.0*		*95.5*	*34-150*			
Diesel	454	50	µg/L	500		90.7	70-130	0.965	20	
Batch U5C1401										
Blank (U5C1401-BLK1)				Prepared: 03/14/15 Analyzed: 03/17/15						
Total Oil & Grease (HEM)	ND	1.0	mg/L							
Total Oil & Grease (HEM non-polar)	ND	1.0	mg/L							
LCS (U5C1401-BS1)				Prepared: 03/14/15 Analyzed: 03/17/15						
Total Oil & Grease (HEM)	34.4	1.0	mg/L	40.0		85.9	78-114		20	
Total Oil & Grease (HEM non-polar)	16.6	1.0	mg/L	20.0		83.0	64-132		20	
LCS Dup (U5C1401-BSD1)				Prepared: 03/14/15 Analyzed: 03/17/15						
Total Oil & Grease (HEM)	37.5	1.0	mg/L	40.0		93.8	78-114	8.77	20	
Total Oil & Grease (HEM non-polar)	18.1	1.0	mg/L	20.0		90.5	64-132	8.65	20	
Batch U5C1702										
LCS (U5C1702-BS1)				Prepared: 03/17/15 Analyzed: 03/19/15						
Surrogate: 1,3-Dimethyl-2-nitrobenzene	*5.02*		*µg/L*	*5.00*		*100*	*70-130*			
Surrogate: Triphenyl phosphate	*11.6*		*µg/L*	*5.00*		*233*	*70-130*			
Surrogate: Perylene-d12	*4.71*		*µg/L*	*5.00*		*94.2*	*70-130*			
Alachlor	6.10	1.0	µg/L	8.00		76.3	70-130		30	
Atrazine	6.24	0.50	µg/L	8.00		78.0	70-130		30	
Benzo (a) pyrene	1.17	0.10	µg/L				70-130		30	
Bis(2-ethylhexyl) adipate	8.49	3.0	µg/L	8.00		106	70-130		30	
Bis(2-ethylhexyl) phthalate	8.56	3.0	µg/L	8.00		107	70-130		30	
Bromacil	35.0	10	µg/L	40.0		87.5	70-130		30	
Butachlor	6.81	0.38	µg/L	6.00		113	70-130		30	
Chlorpyrifos	5.50	1.0	µg/L	8.00		68.8	70-130		30	BS2
Diazinon	1.60	0.25	µg/L	4.00		40.0	10-110		30	
Dimethoate	30.0	10	µg/L	40.0		75.0	70-130		30	

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Semi-Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5C1702										
LCS (U5C1702-BS1)				Prepared: 03/17/15 Analyzed: 03/19/15						
Metolachlor	5.74	0.50	µg/L	8.00		71.8	70-130		30	
Metribuzin	5.89	0.50	µg/L	8.00		73.6	70-130		30	
Molinate	5.30	2.0	µg/L	8.00		66.2	70-130		30	BS2
Propachlor	5.50	0.50	µg/L	8.00		68.8	70-130		30	BS2
Simazine	5.64	1.0	µg/L	8.00		70.6	70-130		30	
Thiobencarb	5.89	1.0	µg/L	8.00		73.6	70-130		30	
LCS Dup (U5C1702-BSD1)				Prepared: 03/17/15 Analyzed: 03/19/15						
Surrogate: 1,3-Dimethyl-2-nitrobenzene	*5.39*		*µg/L*	*5.00*		*108*	*70-130*			
Surrogate: Triphenyl phosphate	*10.6*		*µg/L*	*5.00*		*212*	*70-130*			
Surrogate: Perylene-d12	*4.49*		*µg/L*	*5.00*		*89.8*	*70-130*			
Alachlor	6.86	1.0	µg/L	8.00		85.7	70-130	11.6	30	
Atrazine	6.62	0.50	µg/L	8.00		82.7	70-130	5.85	30	
Benzo (a) pyrene	0.912	0.10	µg/L				70-130	24.9	30	
Bis(2-ethylhexyl) adipate	7.67	3.0	µg/L	8.00		95.9	70-130	10.1	30	
Bis(2-ethylhexyl) phthalate	8.03	3.0	µg/L	8.00		100	70-130	6.33	30	
Bromacil	35.0	10	µg/L	40.0		87.5	70-130	0.0171	30	
Butachlor	6.54	0.38	µg/L	6.00		109	70-130	4.09	30	
Chlorpyrifos	5.91	1.0	µg/L	8.00		73.9	70-130	7.19	30	
Diazinon	1.96	0.25	µg/L	4.00		49.0	10-110	20.1	30	
Dimethoate	34.2	10	µg/L	40.0		85.5	70-130	13.1	30	
Metolachlor	6.44	0.50	µg/L	8.00		80.4	70-130	11.3	30	
Metribuzin	5.60	0.50	µg/L	8.00		70.0	70-130	5.03	30	
Molinate	7.30	2.0	µg/L	8.00		91.3	70-130	31.8	30	RPD3
Propachlor	8.14	0.50	µg/L	8.00		102	70-130	38.7	30	RPD3
Simazine	6.41	1.0	µg/L	8.00		80.2	70-130	12.8	30	
Thiobencarb	6.09	1.0	µg/L	8.00		76.2	70-130	3.37	30	

MOORE TWINING ASSOCIATES, INC.

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

California ELAP Certificate # 1371

Malaga County Water District
3580 S. Frank
Fresno CA, 93725

Project: Priority Pollutants and Local Limits
Project Number: Priority Pollutants and Local Limits
Project Manager: Jim Anderson

Reported:
3/26/15

Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5C1606										
Blank (U5C1606-BLK1)				Prepared & Analyzed: 03/16/15						
Surrogate: 4-Bromofluorobenzene	*25.4*		*µg/L*	*25.0*		*102*	*70-130*			
Surrogate: Dibromofluoromethane	*21.8*		*µg/L*	*25.0*		*87.2*	*70-130*			
Surrogate: Toluene-d8	*24.4*		*µg/L*	*25.0*		*97.7*	*70-130*			
Chloromethane	ND	0.50	µg/L							
Vinyl chloride	ND	0.50	µg/L							
Bromomethane	ND	1.0	µg/L							
Chloroethane	ND	0.50	µg/L							
Trichlorofluoromethane (CFC-11)	ND	0.50	µg/L							
Trichlorotrifluoroethane (CFC-113)	ND	1.0	µg/L							
1,1-Dichloroethene	ND	0.50	µg/L							
Acrolein	ND	10	µg/L							
Methylene chloride	ND	1.0	µg/L							
trans-1,2-Dichloroethene	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
Acrylonitrile	ND	5.0	µg/L							
cis-1,2-Dichloroethene	ND	0.50	µg/L							
Chloroform	ND	0.50	µg/L							
Carbon tetrachloride	ND	0.50	µg/L							
1,1,1-Trichloroethane (TCA)	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
Benzene	ND	0.50	µg/L							
1,2-Dichloroethane (1,2-DCA)	ND	0.50	µg/L							
Trichloroethene (TCE)	ND	0.50	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
2-Chloroethylvinyl ether	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
Toluene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Tetrachloroethene (PCE)	ND	0.50	µg/L							
1,1,2-Trichloroethane	ND	0.50	µg/L							
Dibromochloromethane	ND	0.50	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Ethylbenzene	ND	0.50	µg/L							

MOORE TWINING ASSOCIATES, INC.

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
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California ELAP Certificate # 1371

Malaga County Water District
3580 S. Frank
Fresno CA, 93725

Project: Priority Pollutants and Local Limits
Project Number: Priority Pollutants and Local Limits
Project Manager: Jim Anderson

Reported:
3/26/15

Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5C1606										
Blank (U5C1606-BLK1)				Prepared & Analyzed: 03/16/15						
Chlorobenzene	ND	0.50	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
m,p-Xylene	ND	1.0	µg/L							
o-Xylene	ND	0.50	µg/L							
Styrene	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	1.0	µg/L							
1,2,3-Trichloropropane (123TCP)	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	1.0	µg/L							
Naphthalene	ND	0.50	µg/L							
Xylenes	ND	2.0	µg/L							
LCS (U5C1606-BS1)				Prepared & Analyzed: 03/16/15						
Surrogate: 4-Bromofluorobenzene	*25.8*		*µg/L*	*25.0*		*103*	*70-130*			
Surrogate: Dibromofluoromethane	*22.3*		*µg/L*	*25.0*		*89.3*	*70-130*			
Surrogate: Toluene-d8	*24.1*		*µg/L*	*25.0*		*96.5*	*70-130*			
1,1-Dichloroethene	18.1	0.50	µg/L	19.8		91.4	70-130		20	
Benzene	18.3	0.50	µg/L	20.0		91.7	70-130		20	
Trichloroethene (TCE)	17.9	0.50	µg/L	20.0		89.6	70-130		20	
Toluene	19.2	0.50	µg/L	19.9		96.2	70-130		20	
Chlorobenzene	18.2	0.50	µg/L	20.0		91.1	70-130		20	
LCS Dup (U5C1606-BSD1)				Prepared & Analyzed: 03/16/15						
Surrogate: 4-Bromofluorobenzene	*25.3*		*µg/L*	*25.0*		*101*	*70-130*			
Surrogate: Dibromofluoromethane	*22.3*		*µg/L*	*25.0*		*89.3*	*70-130*			
Surrogate: Toluene-d8	*24.2*		*µg/L*	*25.0*		*96.8*	*70-130*			
1,1-Dichloroethene	17.5	0.50	µg/L	19.8		88.3	70-130	3.43	20	
Benzene	18.1	0.50	µg/L	20.0		90.5	70-130	1.26	20	
Trichloroethene (TCE)	17.5	0.50	µg/L	20.0		87.4	70-130	2.48	20	
Toluene	18.8	0.50	µg/L	19.9		94.3	70-130	2.00	20	
Chlorobenzene	17.7	0.50	µg/L	20.0		88.6	70-130	2.73	20	
Batch U5C1714										

MOORE TWINING ASSOCIATES, INC.

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

California ELAP Certificate # 1371

Malaga County Water District
3580 S. Frank
Fresno CA, 93725

Project: Priority Pollutants and Local Limits
Project Number: Priority Pollutants and Local Limits
Project Manager: Jim Anderson

Reported:
3/26/15

Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5C1714										
Blank (U5C1714-BLK1)				Prepared & Analyzed: 03/17/15						
Surrogate: 4-Bromofluorobenzene (FID)	*28.0*		*µg/L*	*25.0*		*112*	*70-130*			
Gasoline	ND	50	µg/L							
LCS (U5C1714-BS1)				Prepared & Analyzed: 03/17/15						
Surrogate: 4-Bromofluorobenzene (FID)	*24.2*		*µg/L*	*25.0*		*96.6*	*75-125*			
Gasoline	827	50	µg/L	1000		82.7	70-130		20	
LCS Dup (U5C1714-BSD1)				Prepared & Analyzed: 03/17/15						
Surrogate: 4-Bromofluorobenzene (FID)	*24.1*		*µg/L*	*25.0*		*96.4*	*75-125*			
Gasoline	851	50	µg/L	1000		85.1	70-130	2.90	20	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614-5817
Tel: (949)261-1022

TestAmerica Job ID: 440-104400-1
Client Project/Site: BC10061

For:
Moore Twining Associates, Inc.
2527 Fresno Street
Fresno, California 93721

Attn: Julio Morales

Heather Clark

Authorized for release by:
3/17/2015 2:21:01 PM

Heather Clark, Project Manager I
(949)261-1022
heather.clark@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Sample Summary

Client: Moore Twining Associates, Inc.
Project/Site: BC10061

TestAmerica Job ID: 440-104400-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-104400-1	BC10061-01	Water	03/10/15 14:00	03/13/15 09:45

Case Narrative

Client: Moore Twining Associates, Inc.
Project/Site: BC10061

TestAmerica Job ID: 440-104400-1

Job ID: 440-104400-1

Laboratory: TestAmerica Irvine

Narrative

Job Narrative
440-104400-1

Comments
No additional comments.

Receipt
The sample was received on 3/13/2015 9:45 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.0º C.

Except:

Method(s) Distill/Phenol: The reference method requires samples to be preserved to a pH of <<<2>>. The following sample(s) was received with insufficient preservation at a pH of <<6>>: BC10061-01 (440-104400-1). The sample(s) was preserved to the appropriate pH in the laboratory.

General Chemistry
Method(s) 420.1: The matrix spike (MS) recoveries for 375015 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Client Sample Results

Client: Moore Twining Associates, Inc.
Project/Site: BC10061

TestAmerica Job ID: 440-104400-1

Client Sample ID: BC10061-01
Date Collected: 03/10/15 14:00
Date Received: 03/13/15 09:45

Lab Sample ID: 440-104400-1
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenolics, Total Recoverable	ND		0.050	0.025	mg/L		03/17/15 07:18	03/17/15 14:39	1

Method Summary

Client: Moore Twining Associates, Inc.
Project/Site: BC10061

TestAmerica Job ID: 440-104400-1

Method	Method Description	Protocol	Laboratory
420.1	Phenolics, Total Recoverable	MCAWW	TAL SAV

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Lab Chronicle

Client: Moore Twining Associates, Inc.
Project/Site: BC10061

TestAmerica Job ID: 440-104400-1

Client Sample ID: BC10061-01

Date Collected: 03/10/15 14:00
Date Received: 03/13/15 09:45

Lab Sample ID: 440-104400-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Distill/Phenol			6 mL	6 mL	374893	03/17/15 07:18	JRJ	TAL SAV
Total/NA	Analysis	420.1		1	6 mL	6 mL	375015	03/17/15 14:39	JME	TAL SAV

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

QC Sample Results

Client: Moore Twining Associates, Inc.
Project/Site: BC10061

TestAmerica Job ID: 440-104400-1

Method: 420.1 - Phenolics, Total Recoverable

Lab Sample ID: MB 680-374893/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 375015 — **Prep Batch: 374893**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenolics, Total Recoverable	ND		0.050	0.025	mg/L		03/17/15 07:18	03/17/15 14:35	1

Lab Sample ID: LCS 680-374893/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 375015 — **Prep Batch: 374893**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenolics, Total Recoverable	0.100	0.122		mg/L		122	75 - 125

Lab Sample ID: 440-104127-P-1-B MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 375015 — **Prep Batch: 374893**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenolics, Total Recoverable	ND	F1	0.100	0.0658	F1	mg/L		66	75 - 125

Lab Sample ID: 440-104127-P-1-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 375015 — **Prep Batch: 374893**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Phenolics, Total Recoverable	ND	F1	0.100	0.0813		mg/L		81	75 - 125	21	30

QC Association Summary

Client: Moore Twining Associates, Inc.
Project/Site: BC10061

TestAmerica Job ID: 440-104400-1

General Chemistry

Prep Batch: 374893

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-104127-P-1-B MS	Matrix Spike	Total/NA	Water	Distill/Phenol	
440-104127-P-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	Distill/Phenol	
440-104400-1	BC10061-01	Total/NA	Water	Distill/Phenol	
LCS 680-374893/2-A	Lab Control Sample	Total/NA	Water	Distill/Phenol	
MB 680-374893/1-A	Method Blank	Total/NA	Water	Distill/Phenol	

Analysis Batch: 375015

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-104127-P-1-B MS	Matrix Spike	Total/NA	Water	420.1	374893
440-104127-P-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	420.1	374893
440-104400-1	BC10061-01	Total/NA	Water	420.1	374893
LCS 680-374893/2-A	Lab Control Sample	Total/NA	Water	420.1	374893
MB 680-374893/1-A	Method Blank	Total/NA	Water	420.1	374893

Qualifiers

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Moore Twining Associates, Inc.
Project/Site: BC10061

TestAmerica Job ID: 440-104400-1

Laboratory: TestAmerica Irvine

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alaska	State Program	10	CA01531	06-30-15
Arizona	State Program	9	AZ0671	10-13-15
California	LA Cty Sanitation Districts	9	10256	01-31-16 *
California	State Program	9	2706	06-30-16
Guam	State Program	9	Cert. No. 12.002r	01-23-16
Hawaii	State Program	9	N/A	01-29-16
Nevada	State Program	9	CA015312007A	07-31-15
New Mexico	State Program	6	N/A	01-29-15 *
Northern Mariana Islands	State Program	9	MP0002	01-29-15 *
Oregon	NELAP	10	4005	01-29-16
USDA	Federal		P330-09-00080	06-06-15

Laboratory: TestAmerica Savannah

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
	AFCEE		SAVLAB	
A2LA	DoD ELAP		399.01	02-28-17
A2LA	ISO/IEC 17025		399.01	02-28-17
Alabama	State Program	4	41450	06-30-15
Arkansas DEQ	State Program	6	88-0692	01-31-16
California	State Program	9	2939	07-31-15
Colorado	State Program	8	N/A	12-31-15
Connecticut	State Program	1	PH-0161	03-31-15 *
Florida	NELAP	4	E87052	06-30-15
GA Dept. of Agriculture	State Program	4	N/A	06-12-17
Georgia	State Program	4	N/A	06-30-15
Georgia	State Program	4	803	06-30-15
Guam	State Program	9	14-004r	04-16-15 *
Hawaii	State Program	9	N/A	06-30-15
Illinois	NELAP	5	200022	11-30-15
Indiana	State Program	5	N/A	06-30-15
Iowa	State Program	7	353	07-01-15
Kentucky (DW)	State Program	4	90084	12-31-15
Kentucky (UST)	State Program	4	18	06-30-15
Kentucky (WW)	State Program	4	90084	12-31-15
Louisiana	NELAP	6	30690	06-30-15
Louisiana (DW)	NELAP	6	LA150014	12-31-15
Maine	State Program	1	GA00006	09-24-16
Maryland	State Program	3	250	12-31-15
Massachusetts	State Program	1	M-GA006	06-30-15
Michigan	State Program	5	9925	06-30-15
Mississippi	State Program	4	N/A	06-30-15
Montana	State Program	8	CERT0081	12-31-15
Nebraska	State Program	7	TestAmerica-Savannah	06-30-15
New Jersey	NELAP	2	GA769	06-30-15
New Mexico	State Program	6	N/A	06-30-15
New York	NELAP	2	10842	03-31-15 *
North Carolina (DW)	State Program	4	13701	07-31-15
North Carolina (WW/SW)	State Program	4	269	12-31-15

* Certification renewal pending - certification considered valid.

Certification Summary

Client: Moore Twining Associates, Inc.
Project/Site: BC10061

TestAmerica Job ID: 440-104400-1

Laboratory: TestAmerica Savannah (Continued)

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Oklahoma	State Program	6	9984	08-31-15
Pennsylvania	NELAP	3	68-00474	06-30-15
Puerto Rico	State Program	2	GA00006	12-31-15
South Carolina	State Program	4	98001	06-30-15
Tennessee	State Program	4	TN02961	06-30-15
Texas	NELAP	6	T104704185-14-7	11-30-15
USDA	Federal		SAV 3-04	06-11-17
Virginia	NELAP	3	460161	06-14-15
Washington	State Program	10	C805	06-10-15
West Virginia (DW)	State Program	3	9950C	12-31-15
West Virginia DEP	State Program	3	094	06-30-15
Wisconsin	State Program	5	999819810	08-31-15
Wyoming	State Program	8	8TMS-L	06-30-15

MOORE TWINING

SUBCONTRACT ORDER - Purchase Order # 22982

California ELAP Certification # 1371

MTA Project # BC10061

Please reference these numbers on all reports and invoices:
We also request QC data be provided with final report.

SENDING LABORATORY:

Moore Twining Associates, Inc.
2527 Fresno Street
Fresno, CA 93721
Phone: (559) 268-7021
Fax: (559) 268-0740
Project Manager: Julio Morales

RECEIVING LABORATORY:

Test America - Irvine
17461 Derian Ave., Suite 100
Irvine, CA 92614
Phone :(949) 261-1022
Fax: (949) 260-3299

Sample Comments

Client Sample ID#: Eff-002

MTA Sample ID: BC10061-01 Matrix: Water **Sampled: 03/10/15 14:00** **Report Due to Client: 03/24/15**

Requested Analysis: Phenols, Total (Sub) Holding time expires: 03/17/15 14:00

Containers Supplied:

1L Amber Glass Unpreserved (G) 1L Amber Glass Unpreserved (I)

440-104400 Chain of Custody

Released By	Date	Received By	Date
	3/12/15		03/13/15 9:45

Please fax copy of receipt with your assigned sample ID number to (559) 268-0740 Page 1 of 1

MAR 1 1 2015

Login Sample Receipt Checklist

Client: Moore Twining Associates, Inc.

Job Number: 440-104400-1

Login Number: 104400
List Number: 1
Creator: Kim, Guerry

List Source: TestAmerica Irvine

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Moore Twining Associates, Inc.

Job Number: 440-104400-1

Login Number: 104400
List Number: 2
Creator: Elliot, William J

List Source: TestAmerica Savannah
List Creation: 03/14/15 10:22 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

MOORE TWINING ASSOCIATES, INC.

CHAIN OF CUSTODY/ANALYSIS REQUEST

2527 FRESNO STREET • FRESNO, CA 93721 • PHONE (559) 268-7021 • FAX: (559) 268-0740

ANALYTICAL CHEMISTRY DIVISION
CALIFORNIA ELAP CERTIFICATION # 1371

WORK ORDER #: BC10061
PAGE_____ OF_____

ATTENTION: Jim Anderson	ATTENTION: BURT SIVERLING
NAME: Malaga County Water District	NAME:
ADDRESS: 3580 S. Frank	ADDRESS: SAME
Fresno, CA 93725	
PHONE: (559) 485-7353	PHONE:
FAX: (559) 495-1070	FAX:

☐ STANDARD FORMAT
☐ EDT (STATE FORM)
☐ GEOTRACKER/COELT (LUFT)
☐ PDF ☐ EXCEL
☐ County DHS : ----------
☐ Environmental Health Agency : ----------
☐ OTHER: ----------

SAMPLE INFORMATION

SAMPLED BY (PRINT): Michael Larson
SIGNATURE:
☐ PUBLIC SYSTEM ☐ ROUTINE
☐ PRIVATE WELL ☐ REPEAT
☐ OTHER ☐ REPLACEMENT
TURN AROUND TIME: ☐ RUSH, DUE ON: ----------
☐ STANDARD

SAMPLE TYPES:

SOLID:
BS - BIOSOLID
CR - CERAMIC
SL - SOIL/SOLID
LIQUID:
DW - DRINKING WATER
GW - GROUND WATER
OL - OIL
SF - SURFACE WATER
ST - STORM WATER
WW - WASTE WATER

PROJECT INFORMATION

CONTRACT/P.O. NO.:
PROJECT: Local Limits
PROJECT NUMBER:
CRWA MEMBER? ☐ YES ☐ ☐ NO☐

ANALYSIS REQUESTED

LAB USE

NOTES ON RECEIVED CONDITION:
☐ CUSTODY SEAL(S) BROKEN ☐ SAMPLE(S) DAMAGED
☐ ON ICE ☐ AMBIENT TEMP. ☐ INCORRECT PRESERVATION

CLIENT SAMPLE ID	DATE	TIME	TYPE	EPA 624 Benzene	525 Diazinon	As, Al, Ba, B, Ca, Cd, Cu, Cr, Fe	Mg, Hg, Ni, Pb, Ag, Se, Zn	Cn, pH, Ec, BOD, TSS	Nitrate + Nitrite, Ammonia, TKP	Cl, NO3-N, NO2-N, Fl	TPH-G, TPH-D	1664, 1664SGT	Phenols	System Number / Station Code
3/10/15 1400 POC EFF-002	3/10	1400	WW	X	X	X	X	X	X	X	X	X	X	

PLEASE ANALYZE FOR "POLUTANT OF CONCERN" ONLY

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY
BURT S	MALAGA CWD	3/10/15	1530	[signature]	MTA

Moore Twining Associates

Sample Integrity — Page 2 of 2 — WO# BC10061 — MTA Bottles: Yes or No

COC Info

Was temperature within range? Chemistry ≤6°C Micro <10°C Temp_____°C	Yes No N/A	Did all bottle labels agree with COC?	Yes No N/A
If samples were taken today, is there evidence that chilling has begun? Recvd 1.5 C°	Yes No N/A	Was a sufficient amount of sample received?	Yes No N/A
Did all bottles arrive unbroken and intact?	Yes No N/A	Were correct containers and preservatives received for the tests requested?	Yes No N/A
Do samples have a hold time <72 hours?	Yes No N/A		

Were there bubbles in VOA vials? (**Volatiles Only**) — Yes No N/A

Was PM notified of discrepancies? — Yes No N/A

PM:

By/Time:

Bottles Received

125ml (A) 250ml (B) 1Liter (C) 40ml VOA (V)	1	
Bacti $Na_2S_2O_3$		
None (P)	3C	
Cr6 Buffer (P) Borate Carbonate Buffer		
HNO_3 (P)	1A	
H_2SO_4 (P)	1B	
NaOH (P)	1B	
NaOH+ZnAc (P)		
Dissolved Oxygen 300ml (P)		
None (AG)	6C	
None (CG) 500ml		
$Na_2S_2O_3$ 250ml (Brown P) 549		
$Na_2S_2O_3$ (AG)	2C	
$Na_2S_2O_3$ (AG)		
Thio/K Citrate		
NH_4Cl (AG) 552		
HCl (AG)	2C/4V	
None (CG) 500ml		
H_3PO_4 (AG)		
Other:		
Plastic Bag		
Low Level Hg/Metals Double Bag		
Client Own		
Glass Jar: 125/ 250/ 500		
Soil Tube: Brass/ Steel/ Plastic		

Filter or Split

	Container	Preservative	Date/Time/Initials
S P F			
S P F			
S P F			
S P F			
S P F			

Labeled by: J @ 1603 Labels checked by: MB @ 1600

FL-SC-0003-05

Attachment G

Priority Pollutants: Sludge

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate # 1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

March 26, 2015

Work Order #: BC10060

Jim Anderson
Malaga County Water District
3580 S. Frank
Fresno, CA 93725

RE: Priority Pollutants and Local Limits

Enclosed are the analytical results for samples received by our laboratory on 03/10/15 . For your reference, these analyses have been assigned laboratory work order number BC10060 .

All analyses have been performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, Moore Twining Associates, Inc. (MTA) is not responsible for use of less than complete reports. Results apply only to samples analyzed.

If you have any questions, please feel free to contact us at the number listed above.

Sincerely,

Moore Twining Associates, Inc.

Lisa Montijo
Client Services Representative

MOORE TWINING ASSOCIATES, INC.

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

California ELAP Certificate # 1371

Malaga County Water District
3580 S. Frank
Fresno CA, 93725

Project: Priority Pollutants and Local Limits
Project Number: Priority Pollutants and Local Limits
Project Manager: Jim Anderson

Reported:
3/26/15

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
A.T.	BC10060-01	Waste Water	03/10/15 14:00	03/10/15 15:30

MOORE TWINING ASSOCIATES, INC.

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

California ELAP Certificate # 1371

Malaga County Water District
3580 S. Frank
Fresno CA, 93725

Project: Priority Pollutants and Local Limits
Project Number: Priority Pollutants and Local Limits
Project Manager: Jim Anderson

Reported:
3/26/15

A.T.

BC10060-01 (Waste Water)

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Inorganics										
Ammonia as N	**5.7**	5.0	0.19	mg/L	1	U5C1004	03/10/15	03/10/15	EPA 350.1	
Biochemical Oxygen Demand	**300**	30	30	mg/L	30	U5C1023	03/11/15	03/16/15	SM5210B	
Chloride	**55**	4.0	0.037	mg/L	2	U5C1018	03/10/15	03/10/15	EPA 300.0	
Cyanide (total)	**10**	5.0	2.8	µg/L	1	U5C1102	03/12/15	03/12/15	SM4500CN-E	
Specific Conductance (EC)	**890**	1.0	0.26	µS/cm	1	U5C1024	03/10/15	03/11/15	SM2510B	
Fluoride	**3.7**	0.20	0.0072	mg/L	2	U5C1018	03/10/15	03/10/15	EPA 300.0	
Nitrate as Nitrogen	**16**	0.90	0.0080	mg/L	2	[CALC]	03/10/15	03/10/15	EPA 300.0	
Nitrate as NO3	**72**	4.0	0.035	mg/L	2	U5C1018	03/10/15	03/10/15	EPA 300.0	
Nitrite as N	ND	0.60	0.021	mg/L	2	U5C1018	03/10/15	03/10/15	EPA 300.0	
pH	**7.4**	0.10	0.10	pH Units	1	U5C1024	03/10/15	03/11/15	SM4500-H B	
Phosphorus	**30**	2.0	0.043	mg/L	1	U5C1103	03/11/15	03/11/15	EPA 365.4	
Total Suspended Solids	**950**	100	5.8	mg/L	25	U5C1202	03/12/15	03/12/15	SM 2540D	
Metals - Totals										
Aluminum	**16**	0.10	0.014	mg/L	1	U5C0619	03/11/15	03/13/15	EPA 200.7	
Arsenic	**0.027**	0.020	0.0047	mg/L	1	U5C0619	03/11/15	03/13/15	EPA 200.7	
Barium	**1.6**	0.020	0.00026	mg/L	1	U5C0619	03/11/15	03/13/15	EPA 200.7	
Boron	**0.19**	0.10	0.0017	mg/L	1	U5C0619	03/11/15	03/13/15	EPA 200.7	
Cadmium	**0.011**	0.0020	0.00041	mg/L	1	U5C0619	03/11/15	03/13/15	EPA 200.7	
Calcium	**73**	0.20	0.015	mg/L	1	U5C0619	03/11/15	03/13/15	EPA 200.7	
Chromium	**0.15**	0.010	0.0018	mg/L	1	U5C0619	03/11/15	03/13/15	EPA 200.7	
Copper	**0.60**	0.010	0.0019	mg/L	1	U5C0619	03/11/15	03/13/15	EPA 200.7	
Iron	**15**	0.20	0.034	mg/L	1	U5C0619	03/11/15	03/13/15	EPA 200.7	
Lead	**0.076**	0.010	0.0028	mg/L	1	U5C0619	03/11/15	03/13/15	EPA 200.7	
Magnesium	**23**	0.20	0.018	mg/L	1	U5C0619	03/11/15	03/13/15	EPA 200.7	
Mercury	ND	6.0	1.0	µg/L	1	U5C1014	03/11/15	03/11/15	EPA 245.1	
Nickel	**0.033**	0.010	0.0010	mg/L	1	U5C0619	03/11/15	03/13/15	EPA 200.7	
Selenium	ND	0.040	0.0036	mg/L	1	U5C0619	03/11/15	03/13/15	EPA 200.7	
Silver	**0.0027**	0.010	0.0022	mg/L	1	U5C0619	03/11/15	03/13/15	EPA 200.7	**J**
Zinc	**1.7**	0.010	0.0016	mg/L	1	U5C0619	03/11/15	03/13/15	EPA 200.7	
Semi-Volatile Organics										
Diazinon	ND	0.25		µg/L	1	U5C1702	03/17/15	03/19/15	EPA 525.2	
Surrogate: 1,3-Dimethyl-2-nitrobenzene	*245 %*	*70-130*				*U5C1702*	*03/17/15*	*03/19/15*	*EPA 525.2*	*S03*
Surrogate: Triphenyl phosphate	*429 %*	*70-130*				*U5C1702*	*03/17/15*	*03/19/15*	*EPA 525.2*	*S03*
Surrogate: Perylene-d12	*91.4 %*	*70-130*				*U5C1702*	*03/17/15*	*03/19/15*	*EPA 525.2*	
Total Oil & Grease (HEM)	**2.6**	1.1	0.18	mg/L	1	U5C1401	03/14/15	03/17/15	EPA 1664A	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

MOORE TWINING ASSOCIATES, INC.

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

California ELAP Certificate # 1371

Malaga County Water District
3580 S. Frank
Fresno CA, 93725

Project: Priority Pollutants and Local Limits
Project Number: Priority Pollutants and Local Limits
Project Manager: Jim Anderson

Reported:
3/26/15

A.T.

BC10060-01 (Waste Water)

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Semi-Volatile Organics										
Total Oil & Grease (HEM non-polar)	**1.4**	1.1	0.49	mg/L	1	U5C1401	03/14/15	03/17/15	EPA 1664A SGT	
Diesel	**3400**	50	25	µg/L	1	U5C1205	03/12/15	03/18/15	EPA 8015B	
Surrogate: o-Terphenyl	*558 %*	*34-150*				*U5C1205*	*03/12/15*	*03/18/15*	*EPA 8015B*	*S02*
Volatile Organics										
Chloromethane	ND	0.50	0.16	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Vinyl chloride	ND	0.50	0.16	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Bromomethane	ND	1.0	0.32	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Chloroethane	ND	0.50	0.16	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Trichlorofluoromethane (CFC-11)	ND	0.50	0.13	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Trichlorotrifluoroethane (CFC-113)	ND	1.0	0.11	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
1,1-Dichloroethene	ND	0.50	0.14	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Acrolein	ND	10	1.5	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Methylene chloride	ND	1.0	0.20	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
trans-1,2-Dichloroethene	ND	0.50	0.11	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.36	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
1,1-Dichloroethane	ND	0.50	0.12	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Acrylonitrile	ND	5.0	2.9	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
cis-1,2-Dichloroethene	ND	0.50	0.15	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Chloroform	ND	0.50	0.14	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Carbon tetrachloride	ND	0.50	0.16	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
1,1,1-Trichloroethane (TCA)	ND	0.50	0.16	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
1,1-Dichloropropene	ND	0.50	0.12	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Benzene	ND	0.50	0.10	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
1,2-Dichloroethane (1,2-DCA)	ND	0.50	0.10	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Trichloroethene (TCE)	ND	0.50	0.17	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
1,2-Dichloropropane	ND	0.50	0.10	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Bromodichloromethane	ND	0.50	0.13	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
2-Chloroethylvinyl ether	ND	1.0	0.33	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
cis-1,3-Dichloropropene	ND	0.50	0.11	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Toluene	ND	0.50	0.27	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Tetrachloroethene (PCE)	ND	0.50	0.12	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
1,1,2-Trichloroethane	ND	0.50	0.12	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Dibromochloromethane	ND	0.50	0.11	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
1,2-Dibromoethane (EDB)	ND	0.50	0.22	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Ethylbenzene	ND	0.50	0.10	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	

MOORE TWINING ASSOCIATES, INC.

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California ELAP Certificate # 1371

Malaga County Water District
3580 S. Frank
Fresno CA, 93725

Project: Priority Pollutants and Local Limits
Project Number: Priority Pollutants and Local Limits
Project Manager: Jim Anderson

Reported:
3/26/15

A.T.

BC10060-01 (Waste Water)

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics										
Chlorobenzene	ND	0.50	0.10	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
1,1,1,2-Tetrachloroethane	ND	0.50	0.12	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
m,p-Xylene	ND	1.0	0.20	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
o-Xylene	ND	0.50	0.10	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Styrene	ND	0.50	0.10	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Bromoform	ND	1.0	0.12	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
1,1,2,2-Tetrachloroethane	ND	1.0	0.21	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
1,2,3-Trichloropropane (123TCP)	ND	0.50	0.29	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
1,3-Dichlorobenzene	ND	0.50	0.040	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
1,4-Dichlorobenzene	ND	0.50	0.10	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
1,2-Dichlorobenzene	ND	0.50	0.12	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
1,2,4-Trichlorobenzene	ND	1.0	0.10	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Hexachlorobutadiene	ND	1.0	0.10	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Naphthalene	ND	0.50	0.15	µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Xylenes	ND	2.0		µg/L	1	U5C1606	03/16/15	03/16/15	EPA 624	
Surrogate: 4-Bromofluorobenzene	*101 %*	*70-130*				*U5C1606*	*03/16/15*	*03/16/15*	*EPA 624*	
Surrogate: Dibromofluoromethane	*93.3 %*	*70-130*				*U5C1606*	*03/16/15*	*03/16/15*	*EPA 624*	
Surrogate: Toluene-d8	*95.9 %*	*70-130*				*U5C1606*	*03/16/15*	*03/16/15*	*EPA 624*	
Gasoline	ND	50	6.0	µg/L	1	U5C1714	03/17/15	03/17/15	EPA 8015B	
Surrogate: 4-Bromofluorobenzene (FID)	*111 %*	*70-130*				*U5C1714*	*03/17/15*	*03/17/15*	*EPA 8015B*	

Notes and Definitions

S03	Surrogate recovery was biased high for this sample; sample results are ND.
S02	Surrogate recovery was affected by the matrix.
RPD3	The RPD is out of range for this spike and its duplicate due to a low or high bias of one of the two spikes.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag). Same as DNQ - Detected, but Not Quantified.
D2	Sample diluted due to high concentration(s) of non-target analyte(s).
BS2	Recovery for this analyte was biased low. Results were accepted based on duplicate results.
BLK02	Detected in the blank; associated samples were either ND, or >10x the amount detected.
ND	Analyte NOT DETECTED at or above the Method Detection Limit (MDL)
NR	Not Reported
RPD	Relative Percent Difference
MDL	Method Detection Limit

Analysis of pH, filtration, and residual chlorine is to take place immediately after sampling in the field.
If the test was performed in the laboratory, the hold time was exceeded. **(for aqueous matrices only)**

MOORE TWINING ASSOCIATES, INC.

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(559) 268-0740 Fax

California ELAP Certificate # 1371

Malaga County Water District
3580 S. Frank
Fresno CA, 93725

Project: Priority Pollutants and Local Limits
Project Number: Priority Pollutants and Local Limits
Project Manager: Jim Anderson

Reported:
3/26/15

Inorganics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5C1004										
Blank (U5C1004-BLK1)				Prepared & Analyzed: 03/10/15						
Ammonia as N	0.120	1.0	mg/L							J
LCS (U5C1004-BS1)				Prepared & Analyzed: 03/10/15						
Ammonia as N	20.2	1.0	mg/L	22.5		89.8	80-120		20	
LCS Dup (U5C1004-BSD1)				Prepared & Analyzed: 03/10/15						
Ammonia as N	18.8	1.0	mg/L	22.5		83.4	80-120	7.31	20	
Matrix Spike (U5C1004-MS1)		**Source: BC10003-03**		Prepared & Analyzed: 03/10/15						
Ammonia as N	23.0	1.0	mg/L	22.5	0.133	102	80-120		20	
Matrix Spike (U5C1004-MS2)		**Source: BC10044-03**		Prepared & Analyzed: 03/10/15						
Ammonia as N	27.1	1.0	mg/L	22.5	3.09	107	80-120		20	
Matrix Spike Dup (U5C1004-MSD1)		**Source: BC10003-03**		Prepared & Analyzed: 03/10/15						
Ammonia as N	21.0	1.0	mg/L	22.5	0.133	92.8	80-120	9.08	20	
Matrix Spike Dup (U5C1004-MSD2)		**Source: BC10044-03**		Prepared & Analyzed: 03/10/15						
Ammonia as N	25.3	1.0	mg/L	22.5	3.09	98.5	80-120	7.03	20	
Batch U5C1018										
Blank (U5C1018-BLK1)				Prepared & Analyzed: 03/10/15						
Fluoride	ND	0.10	mg/L							
Nitrite as N	ND	0.30	mg/L							
Chloride	ND	2.0	mg/L							
Nitrate as NO3	0.0887	2.0	mg/L							J
LCS (U5C1018-BS1)				Prepared & Analyzed: 03/10/15						
Fluoride	2.08	0.10	mg/L	2.00		104	90-110		20	
Nitrite as N	5.31	0.30	mg/L	5.00		106	90-110		20	
Chloride	52.3	2.0	mg/L	50.0		105	90-110		20	
Nitrate as NO3	52.4	2.0	mg/L	50.0		105	90-110		20	
LCS Dup (U5C1018-BSD1)				Prepared & Analyzed: 03/10/15						
Fluoride	1.92	0.10	mg/L	2.00		96.2	90-110	7.92	20	
Nitrite as N	4.94	0.30	mg/L	5.00		98.9	90-110	7.06	20	
Chloride	47.9	2.0	mg/L	50.0		95.9	90-110	8.75	20	
Nitrate as NO3	48.6	2.0	mg/L	50.0		97.3	90-110	7.36	20	
Matrix Spike (U5C1018-MS1)		**Source: BC10003-03**		Prepared & Analyzed: 03/10/15						
Fluoride	4.23	0.20	mg/L	4.00	0.104	103	48.9-155		20	
Chloride	169	4.0	mg/L	100	50.9	119	48-147		15	

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Project Manager: Jim Anderson

Reported:
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Inorganics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5C1018										
Matrix Spike (U5C1018-MS1)		**Source: BC10003-03**		Prepared & Analyzed: 03/10/15						
Nitrite as N	10.9	0.60	mg/L	10.0	ND	109	80-120		20	
Nitrate as NO3	136	4.0	mg/L	100	26.6	109	70-130		20	
Matrix Spike (U5C1018-MS2)		**Source: BC10060-01**		Prepared & Analyzed: 03/10/15						
Fluoride	11.7	0.40	mg/L	8.00	3.72	100	48.9-155		20	
Chloride	253	8.0	mg/L	200	54.8	98.9	48-147		15	
Nitrite as N	20.2	1.2	mg/L	20.0	ND	101	80-120		20	
Nitrate as NO3	265	8.0	mg/L	200	71.6	96.5	70-130		20	
Matrix Spike Dup (U5C1018-MSD1)		**Source: BC10003-03**		Prepared & Analyzed: 03/10/15						
Fluoride	4.31	0.20	mg/L	4.00	0.104	105	48.9-155	1.93	20	
Nitrite as N	10.6	0.60	mg/L	10.0	ND	106	80-120	2.94	20	
Chloride	169	4.0	mg/L	100	50.9	118	48-147	0.240	15	
Nitrate as NO3	134	4.0	mg/L	100	26.6	107	70-130	1.67	20	
Matrix Spike Dup (U5C1018-MSD2)		**Source: BC10060-01**		Prepared & Analyzed: 03/10/15						
Fluoride	11.7	0.40	mg/L	8.00	3.72	99.2	48.9-155	0.670	20	
Nitrite as N	20.0	1.2	mg/L	20.0	ND	99.9	80-120	0.957	20	
Chloride	251	8.0	mg/L	200	54.8	98.2	48-147	0.608	15	
Nitrate as NO3	262	8.0	mg/L	200	71.6	95.5	70-130	0.768	20	
Batch U5C1023										
Blank (U5C1023-BLK1)				Prepared: 03/11/15 Analyzed: 03/16/15						
Biochemical Oxygen Demand	ND	1.0	mg/L							
LCS (U5C1023-BS1)				Prepared: 03/11/15 Analyzed: 03/16/15						
Biochemical Oxygen Demand	155	50	mg/L	198		78.1	85-115		20	BS2
LCS Dup (U5C1023-BSD1)				Prepared: 03/11/15 Analyzed: 03/16/15						
Biochemical Oxygen Demand	171	50	mg/L	198		86.2	85-115	9.84	20	
Duplicate (U5C1023-DUP1)		**Source: BC10062-01**		Prepared: 03/11/15 Analyzed: 03/16/15						
Biochemical Oxygen Demand	103	30	mg/L		113			9.70	20	
Duplicate (U5C1023-DUP2)		**Source: BC11008-01**		Prepared: 03/11/15 Analyzed: 03/16/15						
Biochemical Oxygen Demand	225	30	mg/L		216			4.24	20	
Batch U5C1024										
Blank (U5C1024-BLK1)				Prepared & Analyzed: 03/10/15						
Specific Conductance (EC)	ND	1.0	µS/cm							
LCS (U5C1024-BS1)				Prepared & Analyzed: 03/10/15						

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Project Number: Priority Pollutants and Local Limits
Project Manager: Jim Anderson

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Inorganics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5C1024										
LCS (U5C1024-BS1)				Prepared & Analyzed: 03/10/15						
Specific Conductance (EC)	521	1.0	µS/cm	500		104	80-120		20	
LCS (U5C1024-BS2)				Prepared & Analyzed: 03/10/15						
pH	6.92	0.10	pH Units	7.00		98.9	97-103		20	
LCS Dup (U5C1024-BSD1)				Prepared & Analyzed: 03/10/15						
Specific Conductance (EC)	519	1.0	µS/cm	500		104	80-120	0.390	20	
LCS Dup (U5C1024-BSD2)				Prepared & Analyzed: 03/10/15						
pH	6.93	0.10	pH Units	7.00		99.0	97-103	0.144	20	
Duplicate (U5C1024-DUP1)		**Source: BC10027-01**		Prepared & Analyzed: 03/10/15						
Specific Conductance (EC)	148	1.0	µS/cm		146			0.918	20	
pH	7.12	0.10	pH Units		7.09			0.422	20	
Duplicate (U5C1024-DUP2)		**Source: BC10047-01**		Prepared: 03/10/15 Analyzed: 03/11/15						
Specific Conductance (EC)	83.9	1.0	µS/cm		83.6			0.310	20	
pH	8.46	0.10	pH Units		8.25			2.51	20	
Batch U5C1102										
Blank (U5C1102-BLK1)				Prepared & Analyzed: 03/12/15						
Cyanide (total)	ND	5.0	µg/L							
LCS (U5C1102-BS1)				Prepared & Analyzed: 03/12/15						
Cyanide (total)	50.4	5.0	µg/L	50.0		101	80-120		20	
LCS Dup (U5C1102-BSD1)				Prepared & Analyzed: 03/12/15						
Cyanide (total)	45.1	5.0	µg/L	50.0		90.2	80-120	11.1	20	
Matrix Spike (U5C1102-MS1)		**Source: BC04040-01**		Prepared & Analyzed: 03/12/15						
Cyanide (total)	46.7	5.0	µg/L	50.0	ND	93.4	80-120		20	
Matrix Spike Dup (U5C1102-MSD1)		**Source: BC04040-01**		Prepared & Analyzed: 03/12/15						
Cyanide (total)	49.9	5.0	µg/L	50.0	ND	99.8	80-120	6.63	20	
Batch U5C1103										
Blank (U5C1103-BLK1)				Prepared & Analyzed: 03/11/15						
Phosphorus	0.0466	0.50	mg/L							J
LCS (U5C1103-BS1)				Prepared & Analyzed: 03/11/15						
Phosphorus	7.52	0.50	mg/L	7.50		100	80-120		20	
LCS Dup (U5C1103-BSD1)				Prepared & Analyzed: 03/11/15						
Phosphorus	7.29	0.50	mg/L	7.50		97.2	80-120	3.08	20	

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5C1103										
Duplicate (U5C1103-DUP1)		**Source: BC10076-01**		Prepared & Analyzed: 03/11/15						
Phosphorus	ND	0.50	mg/L		ND				20	
Matrix Spike (U5C1103-MS1)		**Source: BC10076-04**		Prepared & Analyzed: 03/11/15						
Phosphorus	7.42	0.50	mg/L	7.50	ND	98.9	80-120		20	
Matrix Spike (U5C1103-MS2)		**Source: BC09070-01**		Prepared & Analyzed: 03/11/15						
Phosphorus	7.18	0.50	mg/L	7.50	0.102	94.4	80-120		20	
Matrix Spike Dup (U5C1103-MSD1)		**Source: BC10076-04**		Prepared & Analyzed: 03/11/15						
Phosphorus	7.38	0.50	mg/L	7.50	ND	98.4	80-120	0.487	20	
Matrix Spike Dup (U5C1103-MSD2)		**Source: BC09070-01**		Prepared & Analyzed: 03/11/15						
Phosphorus	7.26	0.50	mg/L	7.50	0.102	95.4	80-120	0.997	20	
Batch U5C1202										
Blank (U5C1202-BLK1)				Prepared & Analyzed: 03/12/15						
Total Suspended Solids	ND	4.0	mg/L							
Duplicate (U5C1202-DUP1)		**Source: BC10067-01**		Prepared & Analyzed: 03/12/15						
Total Suspended Solids	5200	200	mg/L		4800			6.39	20	
Duplicate (U5C1202-DUP2)		**Source: BC11003-04**		Prepared & Analyzed: 03/12/15						
Total Suspended Solids	4000	200	mg/L		3900			2.03	20	

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Metals - Totals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5C0619										
Blank (U5C0619-BLK1)				Prepared: 03/11/15 Analyzed: 03/13/15						
Calcium	ND	0.10	mg/L							
Aluminum	0.0124	0.050	mg/L							J
Arsenic	ND	0.010	mg/L							
Selenium	ND	0.020	mg/L							
Lead	ND	0.0050	mg/L							
Cadmium	0.000244	0.0010	mg/L							J
Chromium	ND	0.0050	mg/L							
Magnesium	ND	0.10	mg/L							
Zinc	0.00615	0.0050	mg/L							BLK02
Copper	0.00137	0.0050	mg/L							J
Nickel	ND	0.0050	mg/L							
Boron	0.0105	0.050	mg/L							J
Iron	ND	0.10	mg/L							
Silver	ND	0.0050	mg/L							
Barium	0.000390	0.010	mg/L							J
Blank (U5C0619-BLK2)				Prepared: 03/11/15 Analyzed: 03/18/15						
Zinc	ND	0.0050	mg/L							
LCS (U5C0619-BS1)				Prepared: 03/11/15 Analyzed: 03/13/15						
Zinc	0.111	0.0050	mg/L	0.100		111	85-115		20	
Arsenic	0.176	0.010	mg/L	0.200		87.8	85-115		20	
Magnesium	2.01	0.10	mg/L	2.00		100	85-115		20	
Iron	1.95	0.10	mg/L	2.00		97.7	85-115		20	
Selenium	0.381	0.020	mg/L	0.400		95.2	85-115		20	
Cadmium	0.0211	0.0010	mg/L	0.0200		106	85-115		20	
Barium	0.191	0.010	mg/L	0.200		95.3	85-115		20	
Nickel	0.108	0.0050	mg/L	0.100		108	85-115		20	
Lead	0.102	0.0050	mg/L	0.100		102	85-115		20	
Calcium	1.02	0.10	mg/L	1.00		102	85-115		20	
Boron	0.950	0.050	mg/L	1.00		95.0	85-115		20	
Aluminum	0.970	0.050	mg/L	1.00		97.0	85-115		20	
Chromium	0.0990	0.0050	mg/L	0.100		99.0	85-115		20	
Silver	0.101	0.0050	mg/L	0.100		101	85-115		20	
Copper	0.0937	0.0050	mg/L	0.100		93.7	85-115		20	
LCS Dup (U5C0619-BSD1)				Prepared: 03/11/15 Analyzed: 03/13/15						

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Metals - Totals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5C0619										
LCS Dup (U5C0619-BSD1)				Prepared: 03/11/15 Analyzed: 03/13/15						
Iron	2.00	0.10	mg/L	2.00		100	85-115	2.33	20	
Boron	0.953	0.050	mg/L	1.00		95.3	85-115	0.318	20	
Selenium	0.374	0.020	mg/L	0.400		93.6	85-115	1.71	20	
Arsenic	0.175	0.010	mg/L	0.200		87.7	85-115	0.0417	20	
Lead	0.101	0.0050	mg/L	0.100		101	85-115	1.32	20	
Zinc	0.110	0.0050	mg/L	0.100		110	85-115	0.533	20	
Barium	0.191	0.010	mg/L	0.200		95.5	85-115	0.190	20	
Magnesium	2.00	0.10	mg/L	2.00		100	85-115	0.412	20	
Cadmium	0.0212	0.0010	mg/L	0.0200		106	85-115	0.125	20	
Calcium	1.03	0.10	mg/L	1.00		103	85-115	0.977	20	
Chromium	0.0980	0.0050	mg/L	0.100		98.0	85-115	1.09	20	
Aluminum	0.999	0.050	mg/L	1.00		99.9	85-115	2.90	20	
Copper	0.0929	0.0050	mg/L	0.100		92.9	85-115	0.825	20	
Nickel	0.107	0.0050	mg/L	0.100		107	85-115	0.802	20	
Silver	0.101	0.0050	mg/L	0.100		101	85-115	0.468	20	
Matrix Spike (U5C0619-MS1)		**Source: BC05031-01**		Prepared: 03/11/15 Analyzed: 03/13/15						
Nickel	0.215	0.010	mg/L	0.200	0.00206	107	70-130		20	
Boron	2.01	0.10	mg/L	2.00	0.0370	98.6	70-130		20	
Arsenic	0.371	0.020	mg/L	0.400	0.00323	92.8	70-130		20	
Silver	0.195	0.010	mg/L	0.200	ND	97.7	70-130		20	
Barium	0.495	0.020	mg/L	0.400	0.132	90.7	70-130		20	
Chromium	0.196	0.010	mg/L	0.200	0.00159	98.1	70-130		20	
Zinc	0.241	0.010	mg/L	0.200	0.0196	111	70-130		20	
Cadmium	0.0417	0.0020	mg/L	0.0400	0.000561	103	70-130		20	
Lead	0.203	0.010	mg/L	0.200	ND	102	70-130		20	
Iron	4.07	0.20	mg/L	4.00	ND	102	70-130		20	
Aluminum	2.05	0.10	mg/L	2.00	0.0243	101	70-130		20	
Copper	0.203	0.010	mg/L	0.200	0.0170	93.0	70-130		20	
Selenium	0.752	0.040	mg/L	0.800	0.00289	94.1	70-130		20	
Matrix Spike (U5C0619-MS2)		**Source: BC10027-01**		Prepared: 03/11/15 Analyzed: 03/13/15						
Silver	0.496	0.025	mg/L	0.500	ND	99.2	70-130		20	
Zinc	0.605	0.025	mg/L	0.500	0.0796	105	70-130		20	
Arsenic	0.901	0.050	mg/L	1.00	ND	90.1	70-130		20	
Barium	1.00	0.050	mg/L	1.00	0.0569	94.4	70-130		20	
Nickel	0.534	0.025	mg/L	0.500	ND	107	70-130		20	

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Metals - Totals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5C0619										
Matrix Spike (U5C0619-MS2)		**Source: BC10027-01**		Prepared: 03/11/15 Analyzed: 03/13/15						
Boron	4.83	0.25	mg/L	5.00	0.0230	96.1	70-130		20	
Selenium	1.91	0.10	mg/L	2.00	ND	95.5	70-130		20	
Copper	0.477	0.025	mg/L	0.500	0.00583	94.3	70-130		20	
Chromium	0.492	0.025	mg/L	0.500	ND	98.4	70-130		20	
Iron	12.0	0.50	mg/L	10.0	2.15	99.0	70-130		20	
Lead	0.508	0.025	mg/L	0.500	ND	102	70-130		20	
Aluminum	4.95	0.25	mg/L	5.00	0.0522	97.9	70-130		20	
Cadmium	0.105	0.0050	mg/L	0.100	0.00129	103	70-130		20	
Matrix Spike Dup (U5C0619-MSD1)		**Source: BC05031-01**		Prepared: 03/11/15 Analyzed: 03/13/15						
Arsenic	0.371	0.020	mg/L	0.400	0.00323	92.7	70-130	0.0898	20	
Aluminum	1.97	0.10	mg/L	2.00	0.0243	97.4	70-130	3.98	20	
Barium	0.510	0.020	mg/L	0.400	0.132	94.4	70-130	2.93	20	
Silver	0.197	0.010	mg/L	0.200	ND	98.7	70-130	1.04	20	
Zinc	0.242	0.010	mg/L	0.200	0.0196	111	70-130	0.502	20	
Boron	2.03	0.10	mg/L	2.00	0.0370	99.6	70-130	1.01	20	
Nickel	0.219	0.010	mg/L	0.200	0.00206	109	70-130	1.82	20	
Copper	0.207	0.010	mg/L	0.200	0.0170	94.8	70-130	1.67	20	
Selenium	0.761	0.040	mg/L	0.800	0.00289	95.1	70-130	1.09	20	
Chromium	0.197	0.010	mg/L	0.200	0.00159	98.4	70-130	0.261	20	
Iron	3.92	0.20	mg/L	4.00	ND	98.0	70-130	3.73	20	
Cadmium	0.0429	0.0020	mg/L	0.0400	0.000561	106	70-130	2.91	20	
Lead	0.200	0.010	mg/L	0.200	ND	100	70-130	1.39	20	
Matrix Spike Dup (U5C0619-MSD2)		**Source: BC10027-01**		Prepared: 03/11/15 Analyzed: 03/13/15						
Copper	0.485	0.025	mg/L	0.500	0.00583	95.9	70-130	1.67	20	
Nickel	0.546	0.025	mg/L	0.500	ND	109	70-130	2.13	20	
Lead	0.514	0.025	mg/L	0.500	ND	103	70-130	1.13	20	
Boron	4.95	0.25	mg/L	5.00	0.0230	98.6	70-130	2.60	20	
Aluminum	4.97	0.25	mg/L	5.00	0.0522	98.3	70-130	0.435	20	
Silver	0.502	0.025	mg/L	0.500	ND	100	70-130	1.32	20	
Zinc	0.620	0.025	mg/L	0.500	0.0796	108	70-130	2.40	20	
Barium	0.999	0.050	mg/L	1.00	0.0569	94.3	70-130	0.133	20	
Selenium	1.96	0.10	mg/L	2.00	ND	98.1	70-130	2.69	20	
Cadmium	0.107	0.0050	mg/L	0.100	0.00129	106	70-130	2.63	20	
Arsenic	0.917	0.050	mg/L	1.00	ND	91.7	70-130	1.78	20	
Iron	12.0	0.50	mg/L	10.0	2.15	98.4	70-130	0.482	20	

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Malaga County Water District
3580 S. Frank
Fresno CA, 93725

Project: Priority Pollutants and Local Limits
Project Number: Priority Pollutants and Local Limits
Project Manager: Jim Anderson

Reported:
3/26/15

Metals - Totals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5C0619										
Matrix Spike Dup (U5C0619-MSD2)		**Source: BC10027-01**		Prepared: 03/11/15 Analyzed: 03/13/15						
Chromium	0.499	0.025	mg/L	0.500	ND	99.8	70-130	1.35	20	
Batch U5C1014										
Blank (U5C1014-BLK1)				Prepared & Analyzed: 03/11/15						
Mercury	ND	0.20	µg/L							
LCS (U5C1014-BS1)				Prepared & Analyzed: 03/11/15						
Mercury	5.02	0.20	µg/L	5.00		100	80-120		20	
LCS Dup (U5C1014-BSD1)				Prepared & Analyzed: 03/11/15						
Mercury	4.97	0.20	µg/L	5.00		99.3	80-120	1.07	20	
Matrix Spike (U5C1014-MS1)		**Source: BC03019-01**		Prepared & Analyzed: 03/11/15						
Mercury	28.1	1.2	µg/L	30.0	ND	93.5	70-130		20	
Matrix Spike (U5C1014-MS2)		**Source: BC05019-02**		Prepared & Analyzed: 03/11/15						
Mercury	29.7	1.2	µg/L	30.0	ND	98.9	70-130		20	
Matrix Spike Dup (U5C1014-MSD1)		**Source: BC03019-01**		Prepared & Analyzed: 03/11/15						
Mercury	28.5	1.2	µg/L	30.0	ND	95.1	70-130	1.66	20	
Matrix Spike Dup (U5C1014-MSD2)		**Source: BC05019-02**		Prepared & Analyzed: 03/11/15						
Mercury	29.8	1.2	µg/L	30.0	ND	99.5	70-130	0.622	20	

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Project Manager: Jim Anderson

Reported:
3/26/15

Semi-Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5C1205										
Blank (U5C1205-BLK1)				Prepared: 03/12/15 Analyzed: 03/19/15						
Surrogate: o-Terphenyl	*26.0*		*µg/L*	*40.0*		*65.0*	*34-150*			
Diesel	31.0	50	µg/L							J
LCS (U5C1205-BS1)				Prepared: 03/12/15 Analyzed: 03/19/15						
Surrogate: o-Terphenyl	*33.8*		*µg/L*	*40.0*		*84.6*	*34-150*			
Diesel	449	50	µg/L	500		89.9	70-130		20	
LCS Dup (U5C1205-BSD1)				Prepared: 03/12/15 Analyzed: 03/19/15						
Surrogate: o-Terphenyl	*38.2*		*µg/L*	*40.0*		*95.5*	*34-150*			
Diesel	454	50	µg/L	500		90.7	70-130	0.965	20	
Batch U5C1401										
Blank (U5C1401-BLK1)				Prepared: 03/14/15 Analyzed: 03/17/15						
Total Oil & Grease (HEM)	ND	1.0	mg/L							
Total Oil & Grease (HEM non-polar)	ND	1.0	mg/L							
LCS (U5C1401-BS1)				Prepared: 03/14/15 Analyzed: 03/17/15						
Total Oil & Grease (HEM)	34.4	1.0	mg/L	40.0		85.9	78-114		20	
Total Oil & Grease (HEM non-polar)	16.6	1.0	mg/L	20.0		83.0	64-132		20	
LCS Dup (U5C1401-BSD1)				Prepared: 03/14/15 Analyzed: 03/17/15						
Total Oil & Grease (HEM)	37.5	1.0	mg/L	40.0		93.8	78-114	8.77	20	
Total Oil & Grease (HEM non-polar)	18.1	1.0	mg/L	20.0		90.5	64-132	8.65	20	
Batch U5C1702										
LCS (U5C1702-BS1)				Prepared: 03/17/15 Analyzed: 03/19/15						
Surrogate: 1,3-Dimethyl-2-nitrobenzene	*5.02*		*µg/L*	*5.00*		*100*	*70-130*			
Surrogate: Triphenyl phosphate	*11.6*		*µg/L*	*5.00*		*233*	*70-130*			
Surrogate: Perylene-d12	*4.71*		*µg/L*	*5.00*		*94.2*	*70-130*			
Alachlor	6.10	1.0	µg/L	8.00		76.3	70-130		30	
Atrazine	6.24	0.50	µg/L	8.00		78.0	70-130		30	
Benzo (a) pyrene	1.17	0.10	µg/L				70-130		30	
Bis(2-ethylhexyl) adipate	8.49	3.0	µg/L	8.00		106	70-130		30	
Bis(2-ethylhexyl) phthalate	8.56	3.0	µg/L	8.00		107	70-130		30	
Bromacil	35.0	10	µg/L	40.0		87.5	70-130		30	
Butachlor	6.81	0.38	µg/L	6.00		113	70-130		30	
Chlorpyrifos	5.50	1.0	µg/L	8.00		68.8	70-130		30	BS2
Diazinon	1.60	0.25	µg/L	4.00		40.0	10-110		30	
Dimethoate	30.0	10	µg/L	40.0		75.0	70-130		30	

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Project Manager: Jim Anderson

Reported:
3/26/15

Semi-Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5C1702										
LCS (U5C1702-BS1)				Prepared: 03/17/15 Analyzed: 03/19/15						
Metolachlor	5.74	0.50	µg/L	8.00		71.8	70-130		30	
Metribuzin	5.89	0.50	µg/L	8.00		73.6	70-130		30	
Molinate	5.30	2.0	µg/L	8.00		66.2	70-130		30	BS2
Propachlor	5.50	0.50	µg/L	8.00		68.8	70-130		30	BS2
Simazine	5.64	1.0	µg/L	8.00		70.6	70-130		30	
Thiobencarb	5.89	1.0	µg/L	8.00		73.6	70-130		30	
LCS Dup (U5C1702-BSD1)				Prepared: 03/17/15 Analyzed: 03/19/15						
Surrogate: 1,3-Dimethyl-2-nitrobenzene	*5.39*		*µg/L*	*5.00*		*108*	*70-130*			
Surrogate: Triphenyl phosphate	*10.6*		*µg/L*	*5.00*		*212*	*70-130*			
Surrogate: Perylene-d12	*4.49*		*µg/L*	*5.00*		*89.8*	*70-130*			
Alachlor	6.86	1.0	µg/L	8.00		85.7	70-130	11.6	30	
Atrazine	6.62	0.50	µg/L	8.00		82.7	70-130	5.85	30	
Benzo (a) pyrene	0.912	0.10	µg/L				70-130	24.9	30	
Bis(2-ethylhexyl) adipate	7.67	3.0	µg/L	8.00		95.9	70-130	10.1	30	
Bis(2-ethylhexyl) phthalate	8.03	3.0	µg/L	8.00		100	70-130	6.33	30	
Bromacil	35.0	10	µg/L	40.0		87.5	70-130	0.0171	30	
Butachlor	6.54	0.38	µg/L	6.00		109	70-130	4.09	30	
Chlorpyrifos	5.91	1.0	µg/L	8.00		73.9	70-130	7.19	30	
Diazinon	1.96	0.25	µg/L	4.00		49.0	10-110	20.1	30	
Dimethoate	34.2	10	µg/L	40.0		85.5	70-130	13.1	30	
Metolachlor	6.44	0.50	µg/L	8.00		80.4	70-130	11.3	30	
Metribuzin	5.60	0.50	µg/L	8.00		70.0	70-130	5.03	30	
Molinate	7.30	2.0	µg/L	8.00		91.3	70-130	31.8	30	RPD3
Propachlor	8.14	0.50	µg/L	8.00		102	70-130	38.7	30	RPD3
Simazine	6.41	1.0	µg/L	8.00		80.2	70-130	12.8	30	
Thiobencarb	6.09	1.0	µg/L	8.00		76.2	70-130	3.37	30	

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Project Manager: Jim Anderson

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3/26/15

Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5C1606										
Blank (U5C1606-BLK1)				Prepared & Analyzed: 03/16/15						
Surrogate: 4-Bromofluorobenzene	*25.4*		*µg/L*	*25.0*		*102*	*70-130*			
Surrogate: Dibromofluoromethane	*21.8*		*µg/L*	*25.0*		*87.2*	*70-130*			
Surrogate: Toluene-d8	*24.4*		*µg/L*	*25.0*		*97.7*	*70-130*			
Chloromethane	ND	0.50	µg/L							
Vinyl chloride	ND	0.50	µg/L							
Bromomethane	ND	1.0	µg/L							
Chloroethane	ND	0.50	µg/L							
Trichlorofluoromethane (CFC-11)	ND	0.50	µg/L							
Trichlorotrifluoroethane (CFC-113)	ND	1.0	µg/L							
1,1-Dichloroethene	ND	0.50	µg/L							
Acrolein	ND	10	µg/L							
Methylene chloride	ND	1.0	µg/L							
trans-1,2-Dichloroethene	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
Acrylonitrile	ND	5.0	µg/L							
cis-1,2-Dichloroethene	ND	0.50	µg/L							
Chloroform	ND	0.50	µg/L							
Carbon tetrachloride	ND	0.50	µg/L							
1,1,1-Trichloroethane (TCA)	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
Benzene	ND	0.50	µg/L							
1,2-Dichloroethane (1,2-DCA)	ND	0.50	µg/L							
Trichloroethene (TCE)	ND	0.50	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
2-Chloroethylvinyl ether	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
Toluene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Tetrachloroethene (PCE)	ND	0.50	µg/L							
1,1,2-Trichloroethane	ND	0.50	µg/L							
Dibromochloromethane	ND	0.50	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Ethylbenzene	ND	0.50	µg/L							

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3580 S. Frank
Fresno CA, 93725

Project: Priority Pollutants and Local Limits
Project Number: Priority Pollutants and Local Limits
Project Manager: Jim Anderson

Reported:
3/26/15

Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5C1606										
Blank (U5C1606-BLK1)				Prepared & Analyzed: 03/16/15						
Chlorobenzene	ND	0.50	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
m,p-Xylene	ND	1.0	µg/L							
o-Xylene	ND	0.50	µg/L							
Styrene	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	1.0	µg/L							
1,2,3-Trichloropropane (123TCP)	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	1.0	µg/L							
Naphthalene	ND	0.50	µg/L							
Xylenes	ND	2.0	µg/L							
LCS (U5C1606-BS1)				Prepared & Analyzed: 03/16/15						
Surrogate: 4-Bromofluorobenzene	*25.8*		*µg/L*	*25.0*		*103*	*70-130*			
Surrogate: Dibromofluoromethane	*22.3*		*µg/L*	*25.0*		*89.3*	*70-130*			
Surrogate: Toluene-d8	*24.1*		*µg/L*	*25.0*		*96.5*	*70-130*			
1,1-Dichloroethene	18.1	0.50	µg/L	19.8		91.4	70-130		20	
Benzene	18.3	0.50	µg/L	20.0		91.7	70-130		20	
Trichloroethene (TCE)	17.9	0.50	µg/L	20.0		89.6	70-130		20	
Toluene	19.2	0.50	µg/L	19.9		96.2	70-130		20	
Chlorobenzene	18.2	0.50	µg/L	20.0		91.1	70-130		20	
LCS Dup (U5C1606-BSD1)				Prepared & Analyzed: 03/16/15						
Surrogate: 4-Bromofluorobenzene	*25.3*		*µg/L*	*25.0*		*101*	*70-130*			
Surrogate: Dibromofluoromethane	*22.3*		*µg/L*	*25.0*		*89.3*	*70-130*			
Surrogate: Toluene-d8	*24.2*		*µg/L*	*25.0*		*96.8*	*70-130*			
1,1-Dichloroethene	17.5	0.50	µg/L	19.8		88.3	70-130	3.43	20	
Benzene	18.1	0.50	µg/L	20.0		90.5	70-130	1.26	20	
Trichloroethene (TCE)	17.5	0.50	µg/L	20.0		87.4	70-130	2.48	20	
Toluene	18.8	0.50	µg/L	19.9		94.3	70-130	2.00	20	
Chlorobenzene	17.7	0.50	µg/L	20.0		88.6	70-130	2.73	20	
Batch U5C1714										

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Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5C1714										
Blank (U5C1714-BLK1)				Prepared & Analyzed: 03/17/15						
Surrogate: 4-Bromofluorobenzene (FID)	*28.0*		*µg/L*	*25.0*		*112*	*70-130*			
Gasoline	ND	50	µg/L							
LCS (U5C1714-BS1)				Prepared & Analyzed: 03/17/15						
Surrogate: 4-Bromofluorobenzene (FID)	*24.2*		*µg/L*	*25.0*		*96.6*	*75-125*			
Gasoline	827	50	µg/L	1000		82.7	70-130		20	
LCS Dup (U5C1714-BSD1)				Prepared & Analyzed: 03/17/15						
Surrogate: 4-Bromofluorobenzene (FID)	*24.1*		*µg/L*	*25.0*		*96.4*	*75-125*			
Gasoline	851	50	µg/L	1000		85.1	70-130	2.90	20	

TestAmerica

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ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614-5817
Tel: (949)261-1022

TestAmerica Job ID: 440-104398-1
Client Project/Site: BC10060

For:
Moore Twining Associates, Inc.
2527 Fresno Street
Fresno, California 93721

Attn: Julio Morales

Heather Clark

Authorized for release by:
3/17/2015 1:59:11 PM

Heather Clark, Project Manager I
(949)261-1022
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LINKS

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Sample Summary

Client: Moore Twining Associates, Inc.
Project/Site: BC10060

TestAmerica Job ID: 440-104398-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-104398-1	BC10060-01	Water	03/10/15 14:00	03/13/15 09:45

Case Narrative

Client: Moore Twining Associates, Inc.
Project/Site: BC10060

TestAmerica Job ID: 440-104398-1

Job ID: 440-104398-1

Laboratory: TestAmerica Irvine

Narrative

Job Narrative
440-104398-1

Comments
No additional comments.

Receipt
The sample was received on 3/13/2015 9:45 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.0º C.

Except:

Method(s) Distill/Phenol: The reference method requires samples to be preserved to a pH of <<<2>>. The following sample(s) was received with insufficient preservation at a pH of <<6>>: BC10060-01 (440-104398-1). The sample(s) was preserved to the appropriate pH in the laboratory.

General Chemistry
Method(s) 420.1: The matrix spike (MS) recoveries for 375015 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Client Sample Results

Client: Moore Twining Associates, Inc.
Project/Site: BC10060

TestAmerica Job ID: 440-104398-1

Client Sample ID: BC10060-01
Date Collected: 03/10/15 14:00
Date Received: 03/13/15 09:45

Lab Sample ID: 440-104398-1
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenolics, Total Recoverable	ND		0.050	0.025	mg/L		03/17/15 07:18	03/17/15 14:39	1

Method Summary

Client: Moore Twining Associates, Inc.
Project/Site: BC10060

TestAmerica Job ID: 440-104398-1

Method	Method Description	Protocol	Laboratory
420.1	Phenolics, Total Recoverable	MCAWW	TAL SAV

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Lab Chronicle

Client: Moore Twining Associates, Inc.
Project/Site: BC10060

TestAmerica Job ID: 440-104398-1

Client Sample ID: BC10060-01

Date Collected: 03/10/15 14:00
Date Received: 03/13/15 09:45

Lab Sample ID: 440-104398-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Distill/Phenol			6 mL	6 mL	374893	03/17/15 07:18	JRJ	TAL SAV
Total/NA	Analysis	420.1		1	6 mL	6 mL	375015	03/17/15 14:39	JME	TAL SAV

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

QC Sample Results

Client: Moore Twining Associates, Inc.
Project/Site: BC10060

TestAmerica Job ID: 440-104398-1

Method: 420.1 - Phenolics, Total Recoverable

Lab Sample ID: MB 680-374893/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 375015 — **Prep Batch: 374893**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenolics, Total Recoverable	ND		0.050	0.025	mg/L		03/17/15 07:18	03/17/15 14:35	1

Lab Sample ID: LCS 680-374893/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 375015 — **Prep Batch: 374893**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenolics, Total Recoverable	0.100	0.122		mg/L		122	75 - 125

Lab Sample ID: 440-104127-P-1-B MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 375015 — **Prep Batch: 374893**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenolics, Total Recoverable	ND	F1	0.100	0.0658	F1	mg/L		66	75 - 125

Lab Sample ID: 440-104127-P-1-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 375015 — **Prep Batch: 374893**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Phenolics, Total Recoverable	ND	F1	0.100	0.0813		mg/L		81	75 - 125	21	30

QC Association Summary

Client: Moore Twining Associates, Inc.
Project/Site: BC10060

TestAmerica Job ID: 440-104398-1

General Chemistry

Prep Batch: 374893

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-104127-P-1-B MS	Matrix Spike	Total/NA	Water	Distill/Phenol	
440-104127-P-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	Distill/Phenol	
440-104398-1	BC10060-01	Total/NA	Water	Distill/Phenol	
LCS 680-374893/2-A	Lab Control Sample	Total/NA	Water	Distill/Phenol	
MB 680-374893/1-A	Method Blank	Total/NA	Water	Distill/Phenol	

Analysis Batch: 375015

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-104127-P-1-B MS	Matrix Spike	Total/NA	Water	420.1	374893
440-104127-P-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	420.1	374893
440-104398-1	BC10060-01	Total/NA	Water	420.1	374893
LCS 680-374893/2-A	Lab Control Sample	Total/NA	Water	420.1	374893
MB 680-374893/1-A	Method Blank	Total/NA	Water	420.1	374893

Qualifiers

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Moore Twining Associates, Inc.
Project/Site: BC10060

TestAmerica Job ID: 440-104398-1

Laboratory: TestAmerica Irvine

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alaska	State Program	10	CA01531	06-30-15
Arizona	State Program	9	AZ0671	10-13-15
California	LA Cty Sanitation Districts	9	10256	01-31-16 *
California	State Program	9	2706	06-30-16
Guam	State Program	9	Cert. No. 12.002r	01-23-16
Hawaii	State Program	9	N/A	01-29-16
Nevada	State Program	9	CA015312007A	07-31-15
New Mexico	State Program	6	N/A	01-29-15 *
Northern Mariana Islands	State Program	9	MP0002	01-29-15 *
Oregon	NELAP	10	4005	01-29-16
USDA	Federal		P330-09-00080	06-06-15

Laboratory: TestAmerica Savannah

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
	AFCEE		SAVLAB	
A2LA	DoD ELAP		399.01	02-28-17
A2LA	ISO/IEC 17025		399.01	02-28-17
Alabama	State Program	4	41450	06-30-15
Arkansas DEQ	State Program	6	88-0692	01-31-16
California	State Program	9	2939	07-31-15
Colorado	State Program	8	N/A	12-31-15
Connecticut	State Program	1	PH-0161	03-31-15 *
Florida	NELAP	4	E87052	06-30-15
GA Dept. of Agriculture	State Program	4	N/A	06-12-17
Georgia	State Program	4	N/A	06-30-15
Georgia	State Program	4	803	06-30-15
Guam	State Program	9	14-004r	04-16-15 *
Hawaii	State Program	9	N/A	06-30-15
Illinois	NELAP	5	200022	11-30-15
Indiana	State Program	5	N/A	06-30-15
Iowa	State Program	7	353	07-01-15
Kentucky (DW)	State Program	4	90084	12-31-15
Kentucky (UST)	State Program	4	18	06-30-15
Kentucky (WW)	State Program	4	90084	12-31-15
Louisiana	NELAP	6	30690	06-30-15
Louisiana (DW)	NELAP	6	LA150014	12-31-15
Maine	State Program	1	GA00006	09-24-16
Maryland	State Program	3	250	12-31-15
Massachusetts	State Program	1	M-GA006	06-30-15
Michigan	State Program	5	9925	06-30-15
Mississippi	State Program	4	N/A	06-30-15
Montana	State Program	8	CERT0081	12-31-15
Nebraska	State Program	7	TestAmerica-Savannah	06-30-15
New Jersey	NELAP	2	GA769	06-30-15
New Mexico	State Program	6	N/A	06-30-15
New York	NELAP	2	10842	03-31-15 *
North Carolina (DW)	State Program	4	13701	07-31-15
North Carolina (WW/SW)	State Program	4	269	12-31-15

* Certification renewal pending - certification considered valid.

Certification Summary

Client: Moore Twining Associates, Inc.
Project/Site: BC10060

TestAmerica Job ID: 440-104398-1

Laboratory: TestAmerica Savannah (Continued)

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Oklahoma	State Program	6	9984	08-31-15
Pennsylvania	NELAP	3	68-00474	06-30-15
Puerto Rico	State Program	2	GA00006	12-31-15
South Carolina	State Program	4	98001	06-30-15
Tennessee	State Program	4	TN02961	06-30-15
Texas	NELAP	6	T104704185-14-7	11-30-15
USDA	Federal		SAV 3-04	06-11-17
Virginia	NELAP	3	460161	06-14-15
Washington	State Program	10	C805	06-10-15
West Virginia (DW)	State Program	3	9950C	12-31-15
West Virginia DEP	State Program	3	094	06-30-15
Wisconsin	State Program	5	999819810	08-31-15
Wyoming	State Program	8	8TMS-L	06-30-15

MOORE TWINING ASSOCIATES, INC.

SUBCONTRACT ORDER - Purchase Order # 22952

California ELAP Certification # 1371

MTA Project # BC10060

Please reference these numbers on all reports and invoices:
We also request QC data be provided with final report.

SENDING LABORATORY:

Moore Twining Associates, Inc.
2527 Fresno Street
Fresno, CA 93721
Phone: (559) 268-7021
Fax: (559) 268-0740
Project Manager: Julio Morales

RECEIVING LABORATORY:

Test America - Irvine
17461 Derian Ave., Suite 100
Irvine, CA 92614
Phone :(949) 261-1022
Fax: (949) 260-3299

Sample Comments

Client Sample ID#: A.T.

MTA Sample ID: BC10060-01 Matrix: Water **Sampled: 03/10/15 14:00** **Report Due to Client: 03/24/15**

Requested Analysis: Phenols, Total (Sub) Holding time expires: 03/17/15 14:00

Containers Supplied:

1L Amber Glass
Unpreserved (G)

440-104398 Chain of Custody

Released By	Date	Received By	Date
[illegible]	3/12/15	[illegible]	03/13/15 9:45

Please fax copy of receipt with your assigned sample ID number to (559) 268-0740 Page 1 of 1

MAR 1 1 2015

Login Sample Receipt Checklist

Client: Moore Twining Associates, Inc.

Job Number: 440-104398-1

Login Number: 104398
List Number: 1
Creator: Kim, Guerry

List Source: TestAmerica Irvine

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Moore Twining Associates, Inc.

Job Number: 440-104398-1

Login Number: 104398
List Number: 2
Creator: Elliot, William J

List Source: TestAmerica Savannah
List Creation: 03/14/15 10:22 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

MOORE TWINING ASSOCIATES, INC.

CHAIN OF CUSTODY/ANALYSIS REQUEST

2527 FRESNO STREET • FRESNO, CA 93721 • PHONE (559) 268-7021 • FAX: (559) 268-0740

ANALYTICAL CHEMISTRY DIVISION
CALIFORNIA ELAP CERTIFICATION # 1371

WORK ORDER #: BC10060
PAGE 1 OF 2

ATTENTION: Jim Anderson	ATTENTION: BURT SIVERLING
NAME: Malaga County Water District	NAME:
ADDRESS: 3580 S. Frank	ADDRESS: SAME
Fresno, CA 93725	
PHONE: (559) 485-7353	PHONE:
FAX: (559) 495-1070	FAX:

☐ STANDARD FORMAT
☐ EDT (STATE FORM)
☐ GEOTRACKER/COELT (LUFT)
☐ PDF ☐ EXCEL
☐ County DHS :
☐ Environmental Health Agency :
☐ OTHER:

SAMPLE INFORMATION

SAMPLED BY (PRINT): Michael Lorson
SIGNATURE:
☐ PUBLIC SYSTEM ☒ ROUTINE
☐ PRIVATE WELL ☐ REPEAT
☐ OTHER ☐ REPLACEMENT
TURN AROUND TIME: ☐ RUSH, DUE ON:
☒ STANDARD

SAMPLE TYPES:

SOLID:
BS – BIOSOLID
CR – CERAMIC
SL – SOIL/SOLID
LIQUID:
DW – DRINKING WATER
GW – GROUND WATER
OL – OIL
SF – SURFACE WATER
ST – STORM WATER
WW – WASTE WATER

PROJECT INFORMATION

CONTRACT/P.O. NO.:
PROJECT: Local Limits
PROJECT NUMBER:
CRWA MEMBER? ☐ YES ☐ ☐ NO☐

LAB USE

NOTES ON RECEIVED CONDITION:
☐ CUSTODY SEAL(S) BROKEN ☐ SAMPLE(S) DAMAGED
☐ ON ICE ☐ AMBIENT TEMP. ☐ INCORRECT PRESERVATION

ANALYSIS REQUESTED

CLIENT SAMPLE ID	DATE	TIME	TYPE	EPA 624 Benzene	525 Diazinon	As, Al, Ba, B, Ca, Cd, Cu, Cr, Fe	Mg, Hg, Ni, Pb, Ag, Se, Zn	Cn, pH, Ec, BOD, TSS	Nitrate + Nitrite, Ammonia, TKP	Cl, NO3-N, NO2-N, Fl	TPH-G, TPH-D	1664, 1664SGT	Phenols	System Number / Station Code
	3/10/15	1400	WW	X	X	X	X	X	X	X	X	X	X	
3/10/15														
1400														
P.O.C.														
A.T.														

PLEASE ANALYZE FOR "POLUTANTS OF CONCERN" ONLY

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY
BURT S	MALAGA CWD	3/10/15	1530		MTA

Moore Twining Associates

Sample Integrity — Page 2 of 2 — WO# BC10062 — MTA Bottles: Yes or No

COC Info

Was temperature within range? Chemistry ≤6°C Micro <10°C Temp_____°C	Yes No N/A	Did all bottle labels agree with COC?	Yes No N/A
If samples were taken today, is there evidence that chilling has begun? Recvd 1.8 C°	Yes No N/A	Was a sufficient amount of sample received?	Yes No N/A
Did all bottles arrive unbroken and intact?	Yes No N/A	Were correct containers and preservatives received for the tests requested?	Yes No N/A
Do samples have a hold time <72 hours?	Yes No N/A		

Were there bubbles in VOA vials? (**Volatiles Only**) — Yes No N/A

Was PM notified of discrepancies? PM: By/Time: — Yes No N/A

Bottles Received

125ml (A) 250ml (B) 1Liter (C) 40ml VOA (V)	1	
Bacti $Na_2S_2O_3$		
None (P)	3C	
Cr6 Buffer (P) Borate Carbonate Buffer		
HNO_3 (P)	1A	
H_2SO_4 (P)	1B	
NaOH (P)	1B	
NaOH+ZnAc (P)		
Dissolved Oxygen 300ml (P)		
None (AG)	6C	
None (CG) 500ml		
$Na_2S_2O_3$ 250ml (Brown P) 549		
$Na_2S_2O_3$ (AG)	2V	
$Na_2S_2O_3$ (AG)		
Thio/K Citrate		
NH_4Cl (AG) 552		
HCl (AG)	2V	
None (CG) 500ml		
H_3PO_4 (AG)		
Other:		
Plastic Bag		
Low Level Hg/Metals Double Bag		
Client Own		
Glass Jar: 125/ 250/ 500		
Soil Tube: Brass/ Steel/ Plastic		

Comments

Filter or Split

	Container	Preservative	Date/Time/Initials
S P F			
S P F			
S P F			
S P F			
S P F			

Labeled by: B @ 1546 — Labels checked by: MB @ 1548

FL-SC-0003-05

Attachment H

Step Decrease in EC

MALAGA COUNTY WATER DISTRICT

3580 SOUTH FRANK STREET FRESNO, CALIFORNIA 93725
PHONE: 559-485-7353 FAX: 559-485-7319

BOARD OF DIRECTORS

CHARLES E. GARABEDIAN JR **PRESIDENT** | SALVADOR CERRILLO **VICE-PRESIDENT** | IRMA CASTANEDA **DIRECTOR** | FRANK CERRILLO JR **DIRECTOR** | CARLOS TOVAR JR. **DIRECTOR**

James D. Anderson, General Manager

20 November 2015

Warren W. Gross
Central Valley Region
Water Quality Control Board
1685 E Street
Fresno, Ca 93706

Subject: Interim EC Limits for Malaga Industrial Dischargers

Warren,

I have reported secondary effluent violations to our disposal ponds for excess EC in monthly e-SMR's, and in the September report I mentioned we are doing a mass balance calculation of EC for consideration of implementing interim EC limits for industrial dischargers pending the results of the local limits study. The local limits study is well underway after implementing the recommended changes to the sampling plan. Local limits sampling will continue through April 2016 and the final report of the study is required by August 2016.

From the mass balance calculation contained in Attachment A, it can be seen that an industrial EC limit of 800 u-ohms/cm is required to prevent NPDES violations of the WWTF secondary effluent to the disposal ponds. What we propose is to implement an interim EC reduction plan for industrial dischargers pending completion of the local limits study. The current local limit for EC is 950 u-ohms/cm for industrial dischargers. We propose lowering that limit by 5.26 % per month as 50 u-ohm/cm monthly reductions until we see compliance maintained at EFF-002. We would like to start the plan on 1 January 2016.

Our sewer use ordinance (the Malaga Code) provides that if there are stricter pollutant discharge limits in our pretreatment program or permits, that the lower maximum discharge limit applies. As you know the local limits portion of our pretreatment program is undergoing study and review pursuant to the CDO issued by the CVRWQCB. I believe that we can make these interim changes to the discharger permits as the sewer use Control Authority based on the mass balance calculation, but I want to get your opinion and recommendations first.

Thanks Warren,

J. D. Anderson
James Anderson

Attachment A: EC Mass Balance Calculation

Attachment I

Example Incident Reports

Incident Report

Date: 01/22/2015

Time: 10:35

Description: Collin Watkins reported foaming in the influent. He said the foam has been continuous for several days.

EC: _____ Color: _____ pH: _____ Foam: YES

North(Industrial) South(Domestic)

Time inspector was notified: 10:15

Follow up description: Inspector noticed a lot of foam in primary clarifier and moderate soap in influent. Inspector drove around but did not find any leads. Wastewater personnel said they searched and did not find anything as well.

Sample taken by: _____ Time sample was taken: _____

Color: _____ EC: _____ pH: _____ TSS: _____ mg/L

Location of sample: _____

Notes: _____

Incident Report

Date: 02/05/2015

Time: 09:05

Description: The General Manager contacted the inspector regarding the plant receiving a case of high electrical conductivity. The General Manager mentioned that there was no foam.

EC: ~2400 Color: _____ pH: _____ Foam: NO

North(Industrial) South(Domestic)

Time inspector was notified: 09:05

Follow up description: The Inspector and Jesse Alvarez investigated several areas in search of possible leads. The investigation team could not find anything.

Sample taken by: _____ Time sample was taken: _____

Color: _____ EC: _____ pH: _____ TSS: _____ mg/L

Location of sample: _____

Notes: -Rio Bravo's manhole was low in flow (due to maintenance shut down) and EC

-PPG had low flow and low EC

-Rocktenn had no flow

-Fifth Wheel Truck Wash had low flow and low foam. The low EC (~1000) indicated no need to sample.

Incident Report

Date: 5/20/2015

Time: 1:10

Description: Burt reported a heavy flow of dark brown wastewater and lots of rags.

EC: 885 Color: dark brown pH: 7.6 Foam: No

North(Industrial) South(Domestic) TSS: 1980 mg/L

Time inspector was notified: 1:10

Follow up description: Burt and the ECI drove around but could not find any links to a discharger. The unusual amount of rags may have resulted from the flushing of a sewer line or something similar in nature. Also, EC and pH levels were not a concern, which supports the prediction that the flow was not an industrial discharge. Rather, it was a result of some sort of sewer line flushing. The flow of the dark wastewater at approximately 4:15 pm.

Sample taken by: _____ Time sample was taken: _____

Color: _____ EC: _____ pH: _____ TSS: _____ mg/L

Location of sample: _____

Notes: _____

Attachment J

Speedy Truck Wash Incident Report

Incident Report

Date: 08/14/2015

Description: Jim and Jesse noticed foam in the manhole linked to Speedy Truck Wash.

EC: _____ Color: _____ pH: _____ Foam: ✓

North(Industrial) South(Domestic)

Time incident occurred: NA

Time inspector was notified: 15:33

Follow up description: The ECI went to inspect the manhole and discovered foaming. A sample was taken and analyzed in the lab for pH and EC.

Sample taken by: Thomas Siphongsay Time sample was taken: 15:56

Time sample was analyzed in lab: 16:04

Color: brownish EC: 2,620 umhos/cm pH: 7.99 TSS: NA mg/L

Location of sample: From the metal chamber of their pretreatment system (designated sampling point)

Notes: The ECI informed Speedy Truck Wash representatives about the foam. They claimed that all they were doing was routine and that no change in the amount of detergent was used. The pretreatment system was operating at the time. The ECI informed representatives about EC and its potential to disrupt the POTW. Speedy Truck Wash representatives were informed to keep the amount of detergent low. They were willing to comply to reduce EC. No citations were given.

Attachment K

Significant Noncompliance Calculations

SNC Calculations

Facility: Rio Bravo

	Parameter	Reporting Month	Reported Result	Permit Limit	TRC limit	Violation of limit	Violation of TRC?
Q4	EC [umhos/cm]	Oct 2014	942	950	1140	No	No
		Nov 2014	937.9	950	1140	No	No
		Dec 2014	912.7	950	1140	No	No
Q1		Jan 2015	934.7	950	1140	No	No
		Feb 2015	867.4	950	1140	No	No
		Mar 2015	947.3	950	1140	No	No
Q2		April 2015	942.3	950	1140	No	No
		May 2015	849.7	950	1140	No	No
		Jun 2015	945	950	1140	No	No
Q3		July 2015	943.4	950	1140	No	No
		Aug 2015	946.3	950	1140	No	No
		Sep 2015	932.7	950	1140	No	No
Q4		Oct 2015	940.5	950	1140	No	No
		Nov 2015	940.5	950	1140	No	No
		Dec 2014	942.6	950	1140	No	No

SNC Calculations

Facility: Stratas Foods

	Parameter	Reporting Month	Reported Result	Permit Limit	TRC limit	Violation of limit	Violation of TRC
	BOD (mg/L)	Oct 2014	312	1000	1400	No	No
Q4		Nov 2014	405	1000	1400	No	No
		Dec 2014	414	1000	1400	No	No
		Jan 2015	300	1000	1400	No	No
Q1		Feb 2015	233	1000	1400	No	No
		Mar 2015	310	1000	1400	No	No
		April 2015	418	1000	1400	No	No
Q2		May 2015	300	1000	1400	No	No
		Jun 2015	223	1000	1400	No	No
		July 2015	246	1000	1400	No	No
Q3		Aug 2015	430	1000	1400	No	No
		Sep 2015	333	1000	1400	No	No
		Oct 2015	204	1000	1400	No	No
Q4		Nov 2015	283	1000	1400	No	No
		Dec 2015	170	1000	1400	No	No
	TSS (mg/L)	Oct 2014	109	1000	1400	No	No
Q4		Nov 2014	78	1000	1400	No	No
		Dec 2014	113	1000	1400	No	No
		Jan 2015	133	1000	1400	No	No
Q1		Feb 2015	52	1000	1400	No	No
		Mar 2015	161	1000	1400	No	No
		April 2015	89	1000	1400	No	No
Q2		May 2015	43	1000	1400	No	No
		Jun 2015	49	1000	1400	No	No
		July 2015	162	1000	1400	No	No
Q3		Aug 2015	35	1000	1400	No	No
		Sep 2015	59	1000	1400	No	No
		Oct 2015	96	1000	1400	No	No
Q4		Nov 2015	107	1000	1400	No	No
		Dec 2015	71	1000	1400	No	No

Stratas SNC cont.

	EC (umhos/cm)	Oct 2014	708	950	1140	No	No
Q4		Nov 2014	687	950	1140	No	No
		Dec 2014	622	950	1140	No	No
		Jan 2015	611	950	1140	No	No
Q1		Feb 2015	645	950	1140	No	No
		Mar 2015	765	950	1140	No	No
		April 2015	820	950	1140	No	No
Q2		May 2015	895	950	1140	No	No
		Jun 2015	831	950	1140	No	No
		July 2015	745	950	1140	No	No
Q3		Aug 2015	789	950	1140	No	No
		Sep 2015	769	950	1140	No	No
		Oct 2015	854	950	1140	No	No
Q4		Nov 2015	770	950	1140	No	No
		Dec 2015	663	950	1140	No	No
	Oil & Greases (mg/L)	Oct 2014	78	200	280	No	No
Q4		Nov 2014	74	200	280	No	No
		Dec 2014	118	200	280	No	No
		Jan 2015	58	200	280	No	No
Q1		Feb 2015	37	200	280	No	No
		Mar 2015	80	200	280	No	No
		April 2015	65	200	280	No	No
Q2		May 2015	36	200	280	No	No
		Jun 2015	33	200	280	No	No
		July 2015	155	200	280	No	No
Q3		Aug 2015	55	200	280	No	No
		Sep 2015	72	200	280	No	No
		Oct 2015	88	200	280	No	No
Q4		Nov 2015	91	200	280	No	No
		Dec 2015	77	200	280	No	No

Stratas SCN cont.

Parameter	Reporting Month	Permit Limit	Any instantaneous result not within permit limit	Violation of limit	Violation of TRC
pH	Oct 2014	6.0-9.0	No	No	No
	Nov 2014	6.0-9.0	No	No	No
	Dec 2014	6.0-9.0	No	No	No
	Jan 2015	6.0-9.0	No	No	No
	Feb 2015	6.0-9.0	No	No	No
	Mar 2015	6.0-9.0	No	No	No
	April 2015	6.0-9.0	No	No	No
	May 2015	6.0-9.0	No	No	No
	Jun 2015	6.0-9.0	No	No	No
	July 2015	6.0-9.0	No	No	No
	Aug 2015	6.0-9.0	No	No	No
	Sep 2015	6.0-9.0	No	No	No
	Oct 2015	6.0-9.0	No	No	No
	Nov 2015	6.0-9.0	No	No	No
	Dec 2015	6.0-9.0	No	No	No

SNC Calculations

Facility: WestRock, CP LLC

Parameter	Reporting Month	Reported Result	Permit Limit (chronic)	TRC limit	Violation of limit (chronic)	Violation of TRC
EC [umhos/cm]	January	562.5	950	1140	No	No
	February	562.5	950	1140	No	No
	March	705	950	1140	No	No
	April	550	950	1140	No	No
	May	637.5	950	1140	No	No
	June	650	950	1140	No	No
	July	697.5	950	1140	No	No
	August	672.5	950	1140	No	No
	September	657.5	950	1140	No	No
	October	620	950	1140	No	No
	November	632.5	950	1140	No	No
	December	590	950	1140	No	No

WestRock SCN cont.

Parameter	Reporting Month	Permit Limit	Any instantaneous result not within permit limit	Violation of limit	Violation of TRC
pH	Oct 2014	6.0-9.0	No	No	No
	Nov 2014	6.0-9.0	No	No	No
	Dec 2014	6.0-9.0	No	No	No
	Jan 2015	6.0-9.0	No	No	No
	Feb 2015	6.0-9.0	No	No	No
	Mar 2015	6.0-9.0	No	No	No
	April 2015	6.0-9.0	No	No	No
	May 2015	6.0-9.0	No	No	No
	Jun 2015	6.0-9.0	No	No	No
	July 2015	6.0-9.0	No	No	No
	Aug 2015	6.0-9.0	No	No	No
	Sep 2015	6.0-9.0	No	No	No
	Oct 2015	6.0-9.0	No	No	No
	Nov 2015	6.0-9.0	No	No	No
	Dec 2015	6.0-9.0	No	No	No

Attachment L

Monitoring Report Log

Monitoring Report Log

SNC Quarter	Chronic Effluent and TRC Violations 40 CFR § 403.8(f)(2)(vii)(A&B)	Reporting Requirements and Other Criteria 40 CFR § 403.8(f)(2)(vii)(C-H)
1st Quarter	October-March	January-March
2nd Quarter	January-June	April-June
3rd Quarter	April-September	July-September
4th Quarter	July-December	October-December

	Facility: Air Products	Received			
	Month	Yes	No	Date Checked	Violation
Q_1	January	✓		02/10/2015	No
	February	✓		03/09/2015	No
	March	✓		04/07/2015	No
Q_2	April	✓		05/11/2015	No
	May	✓		06/10/2015	No
	June	✓		07/14/2015	No
	Semi-annual	✓		07/14/2015	No
Q_3	July	✓		08/24/2015	No
	August	✓		09/03/2015	No
	September	✓		10/06/2015	No
Q_4	October	✓		11/04/2015	No
	November	✓		12/02/2015	No
	December	✓		01/05/2016	No

	Facility: PPG	Received			
	Month	Yes	No	Date Checked	Violation
Q_1	January	✓		6/24/2015	No*
	February	✓		6/24/2015	No*
	March	✓		6/24/2015	No*
Q_2	April	✓		6/24/2015	No*
	May	✓		6/24/2015	No*
	June	✓		7/30/2015	No
	June- metals	✓		7/30/2015	No*
Q_3	July	✓		10/07/2015	No*
	August	✓		10/07/2015	No
	September	✓		10/23/2015	No
Q_4	October	✓		11/18/2015	No
	November	✓		12/17/2015	No
	December	✓		01/21/2016	No

Notes on PPG:

*January-May reports were submitted after permit and monitoring report clarifications.

*June semi-annual report of metals was originally incomplete and resubmitted; inconsistently achieved compliance.
*July report was late; inconsistently achieved compliance.

	Facility: Rio Bravo	Received			
	Month	Yes	No	Date Checked	Violation
Q_1	January	✓		02/02/2015	No
	February	✓		03/02/2015	No
	March	✓		04/07/2015	No
Q_2	April	✓		05/01/2015	No
	May	✓		06/01/2015	No
	June	✓		07/01/2015	No
	June- pH, TSS, BOD	✓		6/12/2015	No
Q_3	July	✓		8/03/2015	No
	August	✓		9/01/2015	No
	September	✓		10/01/2015	No
Q_4	October	✓		11/02/2015	No
	November	✓		12/01/2015	No
	December	✓		01/04/2016	No
	Dec-pH, TSS, BOD	✓		12/18/2015	No

	Facility: WestRock, CP LLC	Received			
	Month	Yes	No	Date Checked	Violation
Q_1	January-March	✓		04/02/2015	No
Q_2	April-June	✓		07/14/2015	No
Q_3	July-Sept	✓		09/30/2015	No
Q_4	Oct-Dec	✓		02/05/2016	No

	Facility: Georgia Pacific	Received			
	Month	Yes	No	Date Checked	Violation
Q_1	Nov-Jan	✓		03/09/2015	No
Q_2	Feb-Apr	✓		05/07/2015	No
Q_3	May-Sep	✓		10/15/2015	No
Q_4	Oct-Dec	✓		01/15/2016	No

Notes on Georgia Pacific:
*For May-September, they changed their semester calendar per District's request.

	Facility: Stratas Foods	Received			
	Month	Yes	No	Date Checked	Violation
Q_1	January	✓		02/25/2015	No
	February	✓		03/20/2015	No*
	March	✓		04/17/2015	No
Q_2	April	✓		05/14/2015	No
	May	✓		06/19/2015	No*
	June	✓		07/20/2015	No
Q_3	July	✓		08/14/2015	No
	August	✓		09/11/2015	No
	September	✓		10/19/2015	No
Q_4	October	✓		11/19/2015	No
	November	✓		12/21/2015	No
	December	✓		01/22/2015	No

Notes on Stratas Foods:

*For February, they notified the District that they were going to be missing 1 sample for BOD and 1 sample for oil/grease.

*For May, missing 1 sample for oil/grease. Should be 8 total readings but only 7 readings on report.

Facility: SFPP LP	Received			
Month	Yes	No	Date Checked	Violation
January – No discharge	✓		2/2/2015	No
February	✓		3/12/2015	No*
March – No discharge	✓		4/14/2015	No
April	✓		5/14/2015	No*
May – No discharge	✓		6/12/2015	No
June – No discharge	✓		7/09/2015	No
July	✓		8/12/2015	No*
August – No discharge	✓		9/10/2015	No
September – No discharge	✓		10/05/2015	No
October – No discharge	✓		11/12/2015	No
November	✓		12/03/2015	No
December	✓		01/05/2016	No*

Notes on SFPP LP:

For February, April, and July, BOD and pH values did not meet permit limits. In December, only the pH reading did not meet the limit. The District was notified and allowed the batch discharge.

Attachment M

Fourth Quarter Pretreatment Report

MALAGA COUNTY WATER DISTRICT

3580 SOUTH FRANK STREET FRESNO, CALIFORNIA 93725
PHONE: 559-485-7353 FAX: 559-485-7319

BOARD OF DIRECTORS

CHARLES E. GARABEDIAN JR **PRESIDENT** | SALVADOR CERRILLO **VICE-PRESIDENT** | IRMA CASTANEDA **DIRECTOR** | FRANK CERRILLO JR **DIRECTOR** | CARLOS TOVAR JR. **DIRECTOR**

James D. Anderson, General Manager

28 February 2016

Central Valley Regional Water Resources Control Board
CIWQS
1685 E Street
Fresno, Ca 93706

Subject: **e-SMR Pretreatment Report for Q4 2015**
Order No. R5-2014-0145
NPDES No. CA0084239

With the exception of the SIUs that engage in truck washing, there were no compliance violations in the fourth quarter of 2015 for all other Significant Industrial Users (SIU). No violations or changes to the Pretreatment Program have occurred during this quarter.

All SIUs that wash trucks are known to be constant violators of electro-conductivity (EC). The District is well aware that it is potential infeasible for these particular SIUs to even meet electro-conductivity limits due to the nature of their business. Thus, these SIUs were given a compliance status of "Did not achieve compliance and not on a compliance schedule." Issuing compliance orders would not completely eliminate this complex problem of high EC. Although measures were implemented to reduce EC, such as process changes and changes in detergent dosages, EC was continuously in exceedance. The only proven method of reducing EC is by undertaking the extreme costly measure of installing equipment for reverse osmosis. The District has decided that a solution for compliance relies heavily in the outcome of Local Limits Study. The comprehensive Local Limits Study will help the District to determine whether or not the truck washing industries should remain in business at all. Thus, all efforts in the fourth quarter was focused on this vital study.

Pursuant to 40 CFR 403.8 (f)(2)(v), the District sampled each of the SIUs' effluent and conducted all SIU annual inspections. The information gathered during these inspections were used to enhance their individualized discharge permits. A total of eleven different SIU discharge permits were created as a result. All non-residential discharge permits and SIU discharge permits were mailed out prior to the expiration date of the 2015 permit. This was done in order to provide the Users adequate time to review their new permit and provide any feedback.

I certify under penalty of law that this document and all attachments were prepared under my direct supervision in accordance with a system designed to assure that qualified personnel

properly gather and validate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Respectfully,

J. D. Anderson
General Manager/Authorized Official of the Malaga County Water District

Attachment A:

SIU Compliance Status for the Fourth Quarter 2015

SIU Compliance Status for the Fourth Quarter 2015

Table 2.

Permit #	Permit Holder	Compliance Status Throughout 2015
1001	Westrock CP, LLC	Consistently achieved compliance
1005	Rio Bravo-Fresno	Consistently achieved compliance
1008	Stratas Foods	Consistently achieved compliance
1025	SFPP LP (referred to as Kinder Morgan)	Consistently achieved compliance
1038	PPG Industries	Consistently achieved compliance
1140	Air Products & Chemical Inc.	Consistently achieved compliance
1160	Fifth Wheel Truck Wash	Did not achieve compliance and not on a compliance schedule
1098	Speedy Truck Wash	Did not achieve compliance and not on a compliance schedule
1205	Imperial Truck Wash	Did not achieve compliance and not on a compliance schedule
1095	Lester Lube Inc. dba Fresno Truck Wash	Did not achieve compliance and not on a compliance schedule
1114	Georgia Pacific Corrugated	Consistently achieved compliance

Attachment B:

Monitoring Report Log for 2015

Monitoring Report Log

SNC Quarter	Chronic Effluent and TRC Violations 40 CFR § 403.8(f)(2)(vii)(A&B)	Reporting Requirements and Other Criteria 40 CFR § 403.8(f)(2)(vii)(C-H)
1st Quarter	October-March	January-March
2nd Quarter	January-June	April-June
3rd Quarter	April-September	July-September
4th Quarter	July-December	October-December

	Facility: Air Products	Received			
	Month	Yes	No	Date Checked	Violation
Q_1	January	✓		02/10/2015	No
	February	✓		03/09/2015	No
	March	✓		04/07/2015	No
Q_2	April	✓		05/11/2015	No
	May	✓		06/10/2015	No
	June	✓		07/14/2015	No
	Semi-annual	✓		07/14/2015	No
Q_3	July	✓		08/24/2015	No
	August	✓		09/03/2015	No
	September	✓		10/06/2015	No
Q_4	October	✓		11/04/2015	No
	November	✓		12/02/2015	No
	December	✓		01/05/2016	No

	Facility: PPG	Received			
	Month	Yes	No	Date Checked	Violation
Q_1	January	✓		6/24/2015	No*
	February	✓		6/24/2015	No*
	March	✓		6/24/2015	No*
Q_2	April	✓		6/24/2015	No*
	May	✓		6/24/2015	No*
	June	✓		7/30/2015	No
	June- metals	✓		7/30/2015	No*
Q_3	July	✓		10/07/2015	No*
	August	✓		10/07/2015	No
	September	✓		10/23/2015	No
Q_4	October	✓		11/18/2015	No
	November	✓		12/17/2015	No
	December	✓		01/21/2016	No

Notes on PPG:

*January-May reports were submitted after permit and monitoring report clarifications.

*June semi-annual report of metals was originally incomplete and resubmitted; inconsistently achieved compliance.
*July report was late; inconsistently achieved compliance.

	Facility: Rio Bravo	Received			
	Month	Yes	No	Date Checked	Violation
Q_1	January	✓		02/02/2015	No
	February	✓		03/02/2015	No
	March	✓		04/07/2015	No
Q_2	April	✓		05/01/2015	No
	May	✓		06/01/2015	No
	June	✓		07/01/2015	No
	June- pH, TSS, BOD	✓		6/12/2015	No
Q_3	July	✓		8/03/2015	No
	August	✓		9/01/2015	No
	September	✓		10/01/2015	No
Q_4	October	✓		11/02/2015	No
	November	✓		12/01/2015	No
	December	✓		01/04/2016	No
	Dec-pH, TSS, BOD	✓		12/18/2015	No

	Facility: WestRock, CP LLC	Received			
	Month	Yes	No	Date Checked	Violation
Q_1	January-March	✓		04/02/2015	No
Q_2	April-June	✓		07/14/2015	No
Q_3	July-Sept	✓		09/30/2015	No
Q_4	Oct-Dec	✓		02/05/2016	No

	Facility: Georgia Pacific	Received			
	Month	Yes	No	Date Checked	Violation
Q_1	Nov-Jan	✓		03/09/2015	No
Q_2	Feb-Apr	✓		05/07/2015	No
Q_3	May-Sep	✓		10/15/2015	No
Q_4	Oct-Dec	✓		01/15/2016	No

Notes on Georgia Pacific:
*For May-September, they changed their semester calendar per District's request.

	Facility: Stratas Foods	Received			
	Month	Yes	No	Date Checked	Violation
Q_1	January	✓		02/25/2015	No
	February	✓		03/20/2015	No*
	March	✓		04/17/2015	No
Q_2	April	✓		05/14/2015	No
	May	✓		06/19/2015	No*
	June	✓		07/20/2015	No
Q_3	July	✓		08/14/2015	No
	August	✓		09/11/2015	No
	September	✓		10/19/2015	No
Q_4	October	✓		11/19/2015	No
	November	✓		12/21/2015	No
	December	✓		01/22/2015	No

Notes on Stratas Foods:

*For February, they notified the District that they were going to be missing 1 sample for BOD and 1 sample for oil/grease.

*For May, missing 1 sample for oil/grease. Should be 8 total readings but only 7 readings on report.

Facility: SFPP LP	Received			
Month	Yes	No	Date Checked	Violation
January – No discharge	✓		2/2/2015	No
February	✓		3/12/2015	No*
March – No discharge	✓		4/14/2015	No
April	✓		5/14/2015	No*
May – No discharge	✓		6/12/2015	No
June – No discharge	✓		7/09/2015	No
July	✓		8/12/2015	No*
August – No discharge	✓		9/10/2015	No
September – No discharge	✓		10/05/2015	No
October – No discharge	✓		11/12/2015	No
November	✓		12/03/2015	No
December	✓		01/05/2016	No*

Notes on SFPP LP:

For February, April, and July, BOD and pH values did not meet permit limits. In December, only the pH reading did not meet the limit. The District was notified and allowed the batch discharge.

Attachment C:

SIU Individual Wastewater Discharge Permits

MALAGA COUNTY WATER DISTRICT

3580 SOUTH FRANK STREET
FRESNO, CALIFORNIA 93725
PHONE (559) 485-7353
FAX (559) 485-7319

NON-RESIDENTIAL

WASTEWATER DISCHARGE PERMIT

Permit No: 1160 **MCWD Account No:** 123

Industrial User:	Fifth Wheel Truck Stop	**Class:** 1	
Mailing Address:	204 Somerford Ct.	Significant Industrial User	
	Bakersfield, CA 93312	Non-Categorical	
Facility Address:	3767 S. Golden State Blvd.	Slug Discharge Plan not required	
	Fresno, CA 93725		
Authorized Rep:	Anant Singh	**Phone No:**	661-201-4782
Title:	Business Owner		
Contact:	Same	**Phone No:**	661-201-4782
APN:			
SIC No:			
Fee:	$ 1262.78		
No. of Employees:	2+		
Effective Date:	01/01/2016		
Expires:	12/31/2016	**Sewer Unit Allocation:**	10

Authorized District Signature: JRLindeson Issue Date: 12/15/2015
District Manager

This permit authorizes the Permitee to discharge non-residential wastewater in accordance with the terms and conditions specified herein, provided that all other District requirements are met. Other District requirements include, but are not necessarily limited to, paying sewer connection fees and annexation fees and obtaining a sewer connection permit.

Industrial User Wastewater Discharge Permit

Part 1: Standard Conditions

A. Duty to Comply

The permitted Industrial User ("User") shall comply with all of the conditions of this Industrial Wastewater Discharge Permit ("Permit") and all of the provisions, terms, and requirements of the Malaga Code ("Code"), the Pretreatment Program, the Clean Water Act ("Act") and all orders, ordinances, rules, resolutions, and regulations of the District, including but not limited to connection permits and baseline discharge requirements. Failure to comply with the requirements of this permit may be grounds for enforcement action, including civil or criminal penalties, injunctive relief and summary abatements as set forth in the District's Enforcement Response Plan ("ERP").

B. Duty to Mitigate

The User shall take all reasonable steps to minimize or correct any adverse impact to the wastewater treatment system or the environment resulting from noncompliance with this Permit including such accelerated or additional monitoring and sampling or other orders as necessary to determine the nature and impact of and to correct the non-complying discharge.

C. Permit Modification

The District may modify the Permit for good cause, including but not limited to, the following reasons:

1. To incorporate any new or revised Federal, State, or local pretreatment standards or requirements;

2. To address significant alterations or additions to the User's operation, processes, or wastewater volume or character since the time of the individual wastewater discharge Permit issued;

3. A change in any process or discharge condition in either the industrial user or the POTW that requires either a temporary or permanent reduction or elimination of the authorized discharge;

4. Information indicating that the permitted discharge poses a threat to the Control Authority's collection and treatment systems, WWTF and equipment, personnel or the receiving waters;
5. Violation of any terms or conditions of the Permit;

6. Misrepresentation or failure to disclose fully all relevant facts in the Permit application or in any required reporting;

7. Revision of or a grant of variance from such categorical standards pursuant to 40 CFR 403.13;

8. To correct typographical or other errors in the Permit;

9. To reflect of the facility ownership and/or operation to a new owner/operator; or

10. Upon request of the User, provided such request does not create a violation of any applicable requirements, standards, laws, or rules and regulations.
11. The filing of a request by the User for a Permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay or modify any Permit condition.

D. <u>Retention of Records</u>

In addition to the record keeping requirements of the Malaga Code, Pretreatment program and the Act, the User shall retain records as follows:

1. The industrial user shall retain records of all monitoring information, copies of all reports required by this permit and records of all data used to complete the application for this permit, for a period of at least three years from the date of the sample, measurement, report or application. This period may be extended by the request of the District at any time.

2. All records that pertain to matters that are the subject of special orders or any other enforcement or litigation activities brought by the District shall be retained and preserved by the industrial user for three years after all enforcement activities have concluded and the time to bring any appeal(s) have expired.

E. <u>Permit Termination</u>

This Permit may be terminated for the following reasons:

1. Failure to notify the District of significant changes to the wastewater prior to the change discharge;

2. Failure to provide prior notification to the District of changed conditions;

3. Misrepresentation or failure to fully disclose all relevant facts in wastewater discharge Permit application;

4. Falsifying self-monitoring reports and/or certification statements;

5. Tampering with monitoring equipment;

6. Refusing to allow timely access to the facility premises and records;

7. Failure to meet effluent limitations;

8. Failure to pay fines;

9. Failure to pay sewer charges;

10. Failure to meet compliance schedules;

11. Failure to complete a wastewater survey and renewal form, or the wastewater discharge Permit application;

12. Failure to provide advance notice of the transfer of business ownership of a permitted facility; or

13. Violation of any pretreatment standard or requirement including required BMPs contained in the Code, or the wastewater discharge Permit, or the Pretreatment Program.

F. Notification and Reporting

1. In addition to the record keeping and reporting requirements of the Malaga Code, the Pretreatment Program, and the Act, the User shall notify the District prior to any new or changed discharge, and shall immediately notify the District at (559) 485-7353 of any wastewater discharge which is not in compliance with this Permit, or the Pretreatment Program, or the Code, or which might be reasonably judged to constitute a hazard to District personnel, the wastewater treatment system, or the environment.

2. The User shall furnish any information relating to wastewater discharge quantity and quality as required by the District, and shall comply with all reporting requirements specified in this Permit.

G. Costs and Fees

1. The User shall pay all fees required by District ordinances, including but not limited to, permit fees, connection fees, annexation fees, bond debt services charges, and sewer unit fees.

2. The User shall also pay any additional cost or expenses incurred by the District for handling and treating excess loads imposed on the treatment system and any cost or expense incurred by the District in the enforcement of the provisions of its ordinances and the correction of violations thereof.

H. Facilities

1. The User shall make wastewater acceptable under the limitations of the Code and the Pretreatment Program before discharging to the sewage system. Any facilities required to pretreat wastewater to a level acceptable to the District shall be provided and maintained at the User's expense. Detailed plans showing the pretreatment facilities and operating facilities shall be submitted to the District for review, and shall be acceptable to and approved by the District, in writing, before construction of the facility. The review of such plans and operating procedures will in no way relieve the User from the responsibility of modifying the facility as necessary to produce an effluent acceptable to the District under the provisions of the Malaga Code. Any subsequent changes in the pretreatment facilities or method of operation shall be reported to, and be approved in writing by, the District.

2. Pretreatment facilities (including sampling and flow monitoring facilities) shall be maintained in good working order and shall be operated so as to ensure continuous compliance with District ordinances, resolutions, rules and regulations, and any applicable permits by the User at the User's own cost and expense. Pretreatment facilities are at all times subject to the requirements of these rules and regulations and all other applicable codes, ordinances, and laws. Intermittent operation of pretreatment facilities except as provided for in writing by the District during discharge to the sewage system is prohibited.

3. All solids, sludge, filter backwash or other pollutants removed by pretreatment facilities shall not be discharged to the sewage system, nor allowed to enter any storm water or ground water recharge system, nor allowed to seep into the ground, but shall be stored, treated and/or disposed of in accordance with applicable County, State and Federal regulations.

I. Right of Entry

Pursuant to the provisions of the Malaga Code, the User shall allow District personnel, upon the presentation of credentials, to enter upon any property or premises, the User, by accepting any permit issued pursuant to the Code, does hereby consent and agree to the entry upon the premises, described in the Permit, by District personnel for the following purposes as required by the Permit at all reasonable times:

1. Reviewing and copying any records required to be kept under the provisions of the Malaga Code;

2. Inspecting any monitoring equipment, pretreatment facility or discharge-producing process;

3. Inspecting and/or sampling any discharge of wastewater to the wastewater facilities. District personnel may enter upon the property at any hour under emergency circumstances. In the event of such emergency entry, District personnel shall make every effort to immediately notify the User's designated agent;

4. To investigate the possible violation of the Malaga Code or Permit;

5. To photograph any waste, waste container, vehicle, waste treatment process, discharge location, or violation discovered during an inspection.

6. Users shall cooperate at all times with authorized District personnel in the inspection, sampling and study of the User's facilities and wastewater.

J. Duration

The terms and conditions of this Permit shall remain in effect until either:

1. The Permit is modified;

2. The Permit is revoked;

3. The Permit expires and cause is determined for non-renewal of the Permit;

4. Failure of the District to act upon a valid Permit application or renewal application shall allow for automatic extension of operations under existing Permit conditions until such District action is complete.

5. Failure of the District to act upon a valid Permit application or renewal application shall allow for automatic extension of operations under existing Permit conditions until such District action is complete.

6. This Permit allows the User to operate only one industrial wastewater discharge point to the sewer collection system.

K. Severability

The provisions of this Permit are severable, and if any provisions of this Permit or the application of any provision of this Permit to any circumstances is held invalid, the application of such provision to other circumstances and the remainder of the Permit shall not be affected hereby.

L. Transferability

This Permit shall not be reassigned, transferred, or sold to a new owner, new user, different premises, or to a new or changed operation.

M. Enforcement and Penalties

Failure to comply with any of the provisions of this Permit, the Malaga Code, or applicable State or Federal laws or regulations may result in any or all of the following actions:

1. Administrative actions including but not limited to Notices of Violation, Administrative Orders, Administrative Citations, Administrative Complaints, Administrative Hearings, Governing Board Hearings, Compliance Orders, Orders to Show Cause and civil penalties in an amount of not less than one thousand dollars ($1,000) per day, per violation;

2. Legal actions including but not limited to preliminary or permanent injunctions, or both;

3. Civil and/or criminal penalties;

4. Permit revocation;

5. Temporary or permanent disconnection from the District's sewerage system;

6. Water supply severance.

N. Appeals

Any User affected by any decision, action, or determination, including Administrative Orders, issued by the District, interpreting or implementing he provisions of The Malaga Code or any permit or Order issued thereunder, may file with the District a written request for reconsideration within ten (10) days of such decision, action, or determination, setting forth in detail in facts supporting the User's request for reconsideration.

If the ruling made by the Manager is unsatisfactory to the person requesting reconsideration, this person may, within ten (10) days after notification of District action, file a written appeal to the District's Board of Directors. The written appeal shall be heard by the body within sixty (60) days from the date of filing. The District's Board of Directors shall make a final ruling on the appeal within ten (10) days of the close of the meeting. The Manager's decision, action, or determination shall remain in effect during such period of reconsideration.

Any User aggrieved by a final order issued by the Board of Directors may obtain review of the order of the Board in the Superior Court by filing in the court a petition for writ of

mandate within thirty (30) days following the service of a copy of a decision and order issued by the Board.

If no aggrieved party petitions for writ of mandate within the time provided by this section, an order of the Board shall not be subject to review by any court or agency, except that the Board may grant review on its own motion after the expiration of the time limits.

O. Definitions

The following definitions below are intended to serve only as references to the definitions contained within the Malaga Code and do not overwrite any of those aforementioned definitions.

1. Composite Sample. A representative sample, formed either by continuous sampling or by mixing discrete samples. The sample may be composited either as a:

    i. Time based composite sample: composed of discrete sample aliquots collected in one container at constant time intervals providing representative samples irrespective of stream flow; or a

    ii. flow-proportional composite sample: collected either as a constant sample volume at time intervals proportional to stream flow, or collected by increasing the volume of each aliquot as the flow increases while maintaining a constant time interval between the aliquots.

2. Daily Maximum. The maximum allowable discharge limit of a pollutant expressed in units of mass per day. Where daily maximum limits are expressed in terms of a concentration, the daily discharge is the arithmetic average measurement of the pollutant concentration derived from all measurements taken that day.

3. Grab Sample. An individual sample collected without regard for flow or time.

4. Instantaneous Maximum Concentration. The maximum concentration allowed in any single grab sample.

5. Cooling Water. Either,

    i. Uncontaminated – Water used for cooling purposes only which has no direct contact with any raw material, intermediate, or final product and which does not contain a level of contaminants detectably higher than that of the intake water.

ii. Contaminated – Water used for cooling purposes only which may become contaminated either through the use of water treatment chemicals used for corrosion inhibitors or biocides, or by direct contact with process materials and/or wastewater.

6. Monthly Average. The arithmetic mean of the values for effluent samples collected during a calendar month or specified 30 day period (as opposed to a rolling 30 day window). Compliance with the monthly average discharge limit is required regardless of the number of samples collected and analyzed.

7. Bi-Weekly. Once every other week.

8. Bi-Monthly. Once every other month.

9. Upset. An exceptional incident resulting in temporary and unintentional non-compliance because of factors beyond the reasonable control of the discharger.

10. Bypass. Means the diversion of wastes from any portion of a pretreatment process or facility.

11. Slug Discharge. Any discharge of a non-routine, episodic nature, including but not limited to an accidental spill or a non-customary batch discharge, which has a reasonable potential to cause interference or pass through, or in any other way violate the POTW's regulations, local limits or permit conditions.

12. Batch Discharge. A single, episodic discharge of accumulated waste, as opposed to a continuous, uninterrupted flow of waste material.

P. Dilution

The User shall not increase the use of potable water or process water or, in any way, attempt to dilute a discharge as a partial or complete substitute for adequate treatment to achieve compliance with a discharge limitation unless expressly authorized by an applicable Pretreatment Standard or Requirement. The District may impose mass limitations to meet applicable Pretreatment Standards or requirements, or in other cases when the imposition of mass limitations is appropriate.

Part 2: Discharge prohibitions and Limitations

A. Standard Discharge Prohibitions

The User shall comply with all discharge prohibitions and limitations specified in the Malaga Code, the Pretreatment Program, and this Permit. Prohibitions include but are not limited to:

1. Any materials that may cause interference or pass through;

2. Oils and Grease in any amounts that may cause an obstruction in the sewer collection system;

3. Explosive mixtures;

4. Noxious materials;

5. Shredded garbage;

6. Solid or viscous waste that cause an obstruction or decrease flow in the sewer collection system to less than two feet per second;

7. Slug loads not coordinated with the District by a Slug Control Plan;

8. Toxic or hazardous materials;

9. Unpolluted waters;

10. Wastes with objectionable color or odor;

11. Corrosive waste;

12. Trucked or hauled waste;

13. Sludges, screenings, or other residues from wastewater pretreatment;

14. Medical wastes;

15. Detergents, surface active agents, or other substances that may cause excessive foaming at the WWTF;

16. Any substance that will interfere or upset the treatment process at the WWTF;

17. Any substance that may result in the WWTF exceeding NPDES permit limits.

18. Any bypass as defined in Part 1(O)(10) of this permit.

B. Discharge Local Limits

1.

Parameter	Discharge Local Limit	Specific Conditions
pH	6.0 - 9.0	pH is an instantaneous reading and cannot be averaged
Electrical Conductivity (EC)	950 µmhos/cm	Monthly average
Biochemical Oxygen Demand (BOD)	1,000 mg/L	Monthly average
Suspended Solids	1,000 mg/L	Monthly average
Chemical Oxygen Demand (COD)	1,000 mg/L	Monthly average
Oil and Greases	100 mg/L	Monthly average

A User which has a flow volume of less than 3,000 gallons per day or less than 45,000 gallons per month shall have a maximum concentration limit for Electrical Conductivity of 7,000 µmhos/cm except that such discharge shall not be an incompatible Pollutant nor shall it pass through the POTW or interfere with the POTW.

2. Animal and vegetable (polar) O&G not greater than 300 mg/l;

3. Discharge of the following Pollutants of Concern (POC's) above Local Limits:

Pollutant	Local Limit
Iron	1.0 mg/l as a monthly average
Lead	5.0 mg/l as a monthly average
Silver	5.0 mg/l as a monthly average
Arsenic	5.0 mg/l as a monthly average
Benzene	5.0 mg/l as a monthly average
Phenols	1.0 mg/l as a monthly average
Cadmium	0.10 mg/l as a monthly average
Zinc	5.0 mg/l as a monthly average
Chromium	5.0 mg/l as a monthly average
Copper	5.0 mg/l as a monthly average
Aluminum	5.0 mg/l as a monthly average
Mercury	0.20 mg/l as a monthly average
Barium	10.0 mg/l as a monthly average
Nickel	5.0 mg/l as a monthly average
Selenium	1.0 mg/l as a monthly average
Boron	8.0 mg/l as a monthly average
Chloride	
Cyanide	
Ammonia, as N	
Nitrite + Nitrate, as N	
Phosphorus	
Fluoride	
Diazinon	
Calcium	

Magnesium

4. Discharge of wastewater that:

   i. Contains solids that will not pass through a 20 per square inch mesh;

   ii. Has a temperature greater than 104 degrees Fahrenheit;

   iii. Has an alkalinity that is greater or less than 10% of source water;

Part 3: Monitoring and Reporting Requirements

A. General Monitoring Requirements

1. The Manager may require any User to monitor wastewater discharge and submit monitoring reports to the District, at a frequency specified by the District.

2. The User shall comply with all monitoring requirements specified in this Permit or otherwise required, in writing, by the District.

3. Flow monitoring and sampling equipment may be required and shall comply with all applicable provisions of this Permit and the Malaga Code.

4. If required, laboratory analysis of industrial wastewater samples shall be performed in accordance with the approved test procedures specified in 40CFR136 unless otherwise authorized, in writing, by the District.

5. If required, all samples must be collected, preserved, and analyzed in accordance with the procedures established in 40 CFR Part 136, and amendments.

6. If required, the User shall have an automated sampler that shall be maintained in accordance with manufacturer's recommendations, shall be cleaned once per month when in use, and samples shall be maintained at 4.0°C (±2.0°C).

7. If required, the User shall operate and maintain an effluent flowmeter, have it electronically calibrated annually and hydraulically calibrated every three years by a recognized professional in flowmeter testing and repair, and provide proof of calibration to the District prior to July 31 annually.

8. If required, continuous on-line monitoring equipment shall be maintained and calibrated in accordance with manufacturer's specifications.

9. If required, to install, operate and maintain at User's cost and expense an automatic, permanent wastewater flow monitoring system approved by the District which provides a primary flow measuring device, indication, recording and totalizing of flow and a signal generating device that can be used to activate the District's and other automatic samplers.

10. If required, to install, operate and maintain at User's cost and expense an automatic wastewater sampling system approved by the District which provides a flow proportional composite sample, a sample volume of not less than two liters, refrigerated storage and self-purging capability.

11. If required, to install, operate and maintain at User's cost and expense an automatic pH recording system approved by the District which provides a pH recording instrument and a pH probe located downstream of all Pretreatment operations and just before discharge to the sewage system.

12. If required, to install, operate and maintain at User's cost and expense a batch pH neutralization system approved by the District which provides a storage facility for wastewater of pH less than 6.0 or greater than 9.0, a pH measuring device, neutralizing agent and a permanently bound record of pH neutralization before discharge to the sewage system.

13. If required, to install, operate and maintain at User's cost and expense an automatic pH recording and control system approved by the District which provides a pH recording instrument, a pH probe located downstream of all Pretreatment operations and just before discharge into the sewage system, storage for a neutralizing agent, a neutralization chamber, a continuous neutralizing agent injection system activated by pH level and adequate agitation.

B. Sampling Point Location

1. The Sampling Point Location shall be designated at the following location:

Sampling Point Location Name	Location Description
001	The manhole located east of the property along Golden State Blvd. See attachment.

2. **Both the User and the District personnel are required to sample from the same sampling point location (001).**

C. Specific Monitoring and Reporting Requirements

The District will conduct all sampling and reporting requirements for truck washing facilities classified as non-categorical significant industrial users. In accordance to 40 CFR 403.12 (h), the District will analyze the user's discharge at

least once every six months in order to obtain a description of the nature, concentration, and flow of the pollutants.

D. The User may be required to submit an annual monitoring report of the following Pollutants of Concern (POC's) listed below:

1. Ammonia, as N
2. Nitrite + Nitrate, as N
3. Oil and Grease (HEM-polar)
4. Oil And Grease (Petroleum-non polar)
5. Alkalinity
6. Hardness
7. Calcium
8. Magnesium
9. Boron
10. Chloride
11. Cyanide
12. Phosphorus
13. Fluoride
14. Diazinon
15. Iron
16. Lead
17. Silver
18. Arsenic
19. Benzene
20. Phenols
21. Cadmium
22. Zinc
23. Chromium
24. Copper
25. Aluminum
26. Mercury
27. Barium
28. Nickel
29. Selenium

E. <u>Priority Pollutants</u>

The User may be required to monitor Priority Pollutants listed below. In lieu of monitoring for Priority Pollutants, the User may submit a toxic organics management plan (TOMP) to the District for approval. Preparation of the TOMP must be done in accordance with EPA regulations and approved by the District. If approved, the User may submit the certification statement as set forth in Part 3.5.a of this Permit. If the User fails to certify, sign, and submit the certification statement, the User will be required to conduct Priority Pollutant monitoring.

Appendix A to 40 CFR, Part 423--126 Priority Pollutants

001 Acenaphthene
002 Acrolein
003 Acrylonitrile
004 Benzene
005 Benzidine
006 Carbon tetrachloride (tetrachloromethane)
007 Chlorobenzene
008 1,2,4-trichlorobenzene
009 Hexachlorobenzene
010 1,2-dichloroethane
011 1,1,1-trichloreothane
012 Hexachloroethane
013 1,1-dichloroethane
014 1,1,2-trichloroethane
015 1,1,2,2-tetrachloroethane
016 Chloroethane
018 Bis(2-chloroethyl) ether
019 2-chloroethyl vinyl ether (mixed)
020 2-chloronaphthalene
021 2,4, 6-trichlorophenol
022 Parachlorometa cresol
023 Chloroform (trichloromethane)
024 2-chlorophenol
025 1,2-dichlorobenzene
026 1,3-dichlorobenzene
027 1,4-dichlorobenzene
028 3,3-dichlorobenzidine
029 1,1-dichloroethylene
030 1,2-trans-dichloroethylene
031 2,4-dichlorophenol
032 1,2-dichloropropane
033 1,2-dichloropropylene (1,3-dichloropropene)
034 2,4-dimethylphenol
035 2,4-dinitrotoluene
036 2,6-dinitrotoluene
037 1,2-diphenylhydrazine
038 Ethylbenzene
039 Fluoranthene
040 4-chlorophenyl phenyl ether
041 4-bromophenyl phenyl ether
042 Bis(2-chloroisopropyl) ether
043 Bis(2-chloroethoxy) methane
044 Methylene chloride (dichloromethane)
045 Methyl chloride (dichloromethane)
046 Methyl bromide (bromomethane)
047 Bromoform (tribromomethane)
048 Dichlorobromomethane
051 Chlorodibromomethane
052 Hexachlorobutadiene
053 Hexachloromyclopentadiene
054 Isophorone
055 Naphthalene
056 Nitrobenzene
057 2-nitrophenol
058 4-nitrophenol
059 2,4-dinitrophenol
060 4,6-dinitro-o-cresol
061 N-nitrosodimethylamine
062 N-nitrosodiphenylamine
063 N-nitrosodi-n-propylamin
064 Pentachlorophenol
065 Phenol
066 Bis(2-ethylhexyl) phthalate
067 Butyl benzyl phthalate
068 Di-N-Butyl Phthalate
069 Di-n-octyl phthalate
070 Diethyl Phthalate
071 Dimethyl phthalate
072 1,2-benzanthracene (benzo(a) anthracene
073 Benzo(a)pyrene (3,4-benzo-pyrene)
074 3,4-Benzofluoranthene (benzo(b) fluoranthene)
075 11,12-benzofluoranthene (benzo(b) fluoranthene) 076 Chrysene
077 Acenaphthylene
078 Anthracene
079 1,12-benzoperylene (benzo(ghi) perylene) 080 Fluorene
081 Phenanthrene
082 1,2,5,6-dibenzanthracene (dibenzo(,h) anthracene)
083 Indeno (,1,2,3-cd) pyrene (2,3-o-pheynylene pyrene)
084 Pyrene
085 Tetrachloroethylene
086 Toluene
087 Trichloroethylene
088 Vinyl chloride (chloroethylene)
089 Aldrin
090 Dieldrin
091 Chlordane (technical mixture and metabolites)
092 4,4-DDT
093 4,4-DDE (p,p-DDX)
094 4,4-DDD (p,p-TDE)
095 Alpha-endosulfan
096 Beta-endosulfan
097 Endosulfan sulfate
098 Endrin
099 Endrin aldehyde
100 Heptachlor
101 Heptachlor epoxide (BHC-hexachlorocyclohexane)
102 Alpha-BHC
103 Beta-BHC
104 Gamma-BHC (lindane)
105 Delta-BHC (PCB-polychlorinatedbiphenyls)
106 PCB-1242 (Arochlor 1242)
107 PCB-1254 (Arochlor 1254)
108 PCB-1221 (Arochlor 1221)
109 PCB-1232 (Arochlor 1232)
110 PCB-1248 (Arochlor 1248)
111 PCB-1260 (Arochlor 1260)
112 PCB-1016 (Arochlor 1016)
113 Toxaphene
114 Antimony
115 Arsenic
116 Asbestos
117 Beryllium
118 Cadmium
119 Chromium
120 Copper
121 Cyanide, Total
122 Lead
123 Mercury
124 Nickel
125 Selenium
126 Silver
127 Thallium
126 Silver
128 Zinc
129 2,3,7,8-tetrachloro-dibenzo-p-dioxin (TCDD)

F. Reporting Requirements

1. The District may require any User to submit monitoring reports in a format and at a frequency specified by the General Manager. The User shall comply with all reporting requirements specified in this Permit or otherwise required, in writing, by the District and all monitoring and reporting requirements of the Malaga Code.

2. All Users subject to Federal categorical pretreatment standards shall comply with all applicable reporting requirements specified in 40CFR403.12.

3. The User shall immediately notify the District prior to any new or changed discharge, and shall immediately notify the District (phone 559-485-7353) of any wastewater discharge which is not in compliance with the Permit or the Malaga Code, or which might be reasonably judges to constitute a hazard to District personnel, the wastewater treatment system, or the environment.

4. User shall immediately notify the District of any changes that occur at the facility affecting the potential for a Slug Discharge so that the POTW may reevaluate the need for a Slug Control Plan or other actions to prevent such Discharges.

5. The User shall provide a site plan showing the location of all wastewater treatment facilities (grease traps, sand separators, etc.)

6. User shall monitor grease traps weekly and record scum and solids levels.

7. Users shall maintain a District approved hazardous waste inventory accounting system which includes a bound log book containing permanent entries that account, either by mass or by volume, for the disposition of substances prohibited by the Malaga Code or this Permit.

8. Users shall keep waste hauler reports on file for a period of three years.

9. User shall maintain a manifest from all trucks washed at a truck wash facility. A copy of the manifest shall be submitted to the District on demand to confirm the contents of trucks washed out.

10. Users shall maintain a log of all wastewater and solids removed from the premise, to include the destination of the hauled materials. Submit copies of the log on a quarterly basis to MCWD for the first year and annually thereafter.

11. Monitoring results obtained must be summarized and reported in a format acceptable to the District.

12. Reports for parameters with a continuous monitoring frequency must be submitted monthly. The reports are due within 15 days after the end of each calendar month.

13. Reports for parameters with a designated monitoring frequency must be submitted within 15 days after the reporting period.

14. All monitoring reports must indicate the nature and concentration of all pollutants in the effluent for which sampling and analysis were performed during the reporting period preceding the submission of each report, including measured maximum and average daily flows.

15. All reports required by this Permit must be submitted to the Malaga County Water District at the following address:

    Malaga County Water District
    Environmental Compliance Inspector
    3580 S. Frank Street
    Fresno, CA 93725

G. Recordkeeping.

Users subject to the reporting requirements of this Code shall retain, and make available for inspection and copying, all records of information obtained pursuant to any monitoring activities required by this Code, any additional records of information obtained pursuant to monitoring activities undertaken by the User independent of such requirements, and documentation associated with Best Management Practices established under this Code. Records shall include the date, exact place, method, and time of sampling, and the name of the person(s) taking the samples; the dates analyses were performed; who performed the analyses; the analytical techniques or methods used; and the results of such analyses. These records shall remain available for a period of at least three (3) years. This period shall be automatically extended for the duration of any litigation concerning the User or the District, or where the User has been specifically notified of a longer retention period by the General Manager, or his or her designee.

H. Certification Statements

1. The User is required to sign and submit the following certification statement if granted use of a Toxic Organic Management Plan in lieu of reporting Priority Pollutants:

"Based on my inquiry of the permit or persons directly responsible for managing compliance with the pretreatment standard for Priority Pollutants (PP's), I certify that, to the best of my knowledge and belief, no dumping of concentrated priority pollutant toxic organics into the wastewaters has occurred since filing of the last discharge monitoring

report. I further certify that this facility is implementing the Toxic Organic Management Plan submitted to the Control Authority."

2. The User is required to sign and submit the following certification statement with all monitoring reports:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are signification penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

3. All reports required by this Permit must be submitted to the Malaga County Water District at the following address:

Malaga County Water District
Environmental Compliance Inspector
3580 S. Frank Street
Fresno, CA 93725

I. Annual Publication

As required by the Act, the District's Pretreatment Program, and the Malaga Code, a list of all industries which were in significant noncompliance of applicable federal pretreatment standards or other pretreatment requirements during the twelve (12) previous months shall be annually published by the District in the largest daily newspaper within its service area. Accordingly, the User is apprised that noncompliance with this permit may lead to an enforcement action and may result in publication of its name in an appropriate newspaper. For purposes of this provision, significant noncompliance is defined under 40 CFR 403.8 (f)(2)(vii).

Part 4: Other Conditions

A. Automatic Re-sampling

If the results of the User's wastewater analysis indicate that a violation of this Permit has occurred, the User must:

1. Inform the Malaga County Water District of the violation within 24 hours;

2. Repeat sampling and pollutant analysis and submit, in writing, the results of this second analysis within 30 days of becoming aware if the first violation;

3. Continue repeat sampling until it is determined that the violation has ceased.
4. Pursuant to the provisions of the Malaga Code, the District shall have the ability to sample and analyze any time the District deems appropriate.

B. Accidental Discharge and Reporting

The user must notify the Malaga County Water District immediately upon the occurrence of spills, including, but not limited to, accidental discharges, discharges of a nonroutine, episodic nature, a noncustomary batch discharge, slug loads or slug discharges, that might potential problems for the POTW, or spills that might enter the public sewer. During normal business hours the Malaga County Water District should be notified by telephone at 559-485-7353. The notification must include location of discharge; date and time of discharge; type of waste, including concentration and volume; and corrective actions taken. The User's notification of accidental release in accordance with this section does not relieve it of other reporting requirements that arise under local, state, or federal laws.

Within 5 days following an accidental discharge, the User shall submit to the District Malaga County Water a detailed written report. The report must specify:

1. Description and cause of the upset, slug load, or accidental discharge; the cause thereof; and the impact on the User's compliance status. The description should also include location of discharge and type, concentration, and volume of waste.

2. Duration of noncompliance, including exact dates and times of noncompliance and, if the noncompliance is continuing, the time by which compliance is reasonably expected to occur.

3. All steps taken or to be taken to reduce, eliminate, and/or prevent recurrence of such an upset, slug load, accidental discharge, or other conditions of noncompliance.

C. Pretreatment Systems

1. The District may require Users to install and operate at their own expense the following pretreatment systems:

    i. A grease interceptor approved by the District which (a) prevents excessive grease and oil from entering the sewage system (b) provides at least 1250 gallons storage capacity, at least two compartments, baffles to retain floatable greases and oils and a sampling port and (c) excludes any Sanitary Wastewater from entering the interceptor.

ii. A grit interceptor approved by the District which (a) prevents sand and settleable grit from entering the sewage system (b) provides a 30-minute detention time base on peak wastewater rate, a minimum capacity of 500 gallons, at least two compartments, baffles to reduce wastewater velocity sufficiently to settle sand and grit and (c) excludes any sanitary wastewater from entering the interceptor.

2. Use of the following pretreatment systems shall not violate any portion of the Malaga Code nor inhibit wastewater treatment systems:

iii. To operate and maintain any garbage grinders in a manner which prevents discharge of wastewater in violation of the Malaga Code.

iv. To operate and maintain any water softening units in strict accordance with manufacturer's instructions and in a manner to minimize salts discharge into sewage system.

D. Removed Substances

1. Solids, sludges, filter backwash or other pollutants removed from wastewater in the course of pretreatment or the control of wastewater must be disposed of in accordance with section 405 of the Clean Water Act and Subtitles C and D of the Resource Conservation and recovery Act.

2. Removed Substances shall not be allowed to enter the sewer collection system, nor any storm drain, nor any outfall or drain which leads to a storm water collection system or a water catchment system intended for ground water recharge purposes.

3. Removed substances shall not be retained on the property of the User and shall be properly disposed of as indicated above.

E. Slug Discharge Control Requirements

The User is required to submit and implement a slug discharge control plan if directed by the District. Determination of the requirement for a slug discharge plan shall be made during an initial facility inspection by the District. If it is determined that due to batch discharge or plug flow the WWTF could be hydraulically or biologically overloaded, a slug discharge plan shall be developed and implemented. The slug discharge control plan must include, at a minimum, the following:

1. Description of discharge practices, including non-routine batch discharges.

2. Description of stored chemicals.

3. Procedures for immediately notifying the Malaga County Water District of slug discharges, including any discharge that would violate prohibition under 40CFR 403.5(b), with procedures for follow-up written notification within five days.

4. Procedure to limit any impact on maximum allowable head works loading of the WWTF.

5. Procedures to prevent adverse impact from accidental spills, including inspection and maintenance of storage areas, handling and transfer of materials, loading and unloading operations, control of plant site runoff, worker training, building of containment structures or equipment, measures for containing toxic organic pollutants, and measures and equipment for emergency response.

F. Compliance Schedule

Pursuant to the Enforcement Response Plan, the following levels of escalating enforcement and administrative citations have been established:

1. Warning Notice, and any associated Notices of Non-Compliance;

2. Notice of Violation, and any associated Notices of Non-Compliance;

3. Consent Order, and any associated Notices of Non-Compliance;

4. Compliance Order, and any associated Notices of Non-Compliance; and

5. Show Cause Order, and any associated Notices of Non-Compliance.

i. In the event of any notice or order for compliance, a schedule for compliance shall be included. The User is responsible to meet the schedule for compliance, and shall be penalized according to the provisions of the Enforcement response Plan for failing to do so.

ii. No later than 14 days following the date of the notice or order, the user must submit to the Malaga County Water District a written report including, at a minimum, whether it complied with the increment of progress to be met on such date and, if not, the date on which it expects to comply with the increment of progress, the reasons for delay, and the steps being taken to return the project to the schedule established.

G. Potential Non-Compliance

The User must immediately inform the District in the event of the potential for non-compliance for any known reason. Failure to report the potential for non-compliance may result in a harsher penalty for a non-compliance event that was known to pre-exist.

Part 5: Special Conditions for Truck Washes

A. Truck washes shall comply with all other portions of this permit and the Malaga Code.

B. Wastewater from the truck wash facility shall not cause any of the following effects to the sewer collection system or have the following characteristics:

1. Build-up of solids such that wastewater flows slower than 2 feet per second in the collection system;

2. Foaming of wastewater;

3. Discoloration of wastewater;

4. A pH of less than 6.0 or greater than 9.0 at any time;

5. An electro-conductivity reading in excess of 950 u-ohm/cm at any time;

C. Solids shall not be washed from a truck tank that cannot pass through a size 20 mesh per square inch filter directly into the sewer collection system.

D. Truck tanks must be emptied prior to washing with no noticeable residue of prior contents.

E. Truck washes shall maintain a manifest of tanker trucks and inter-modal tank containers washed that includes the following information at a minimum:

1. Date and time the truck was washed
2. Contents of the tank prior to washing

F. Reserved for truck washes that may be subject to categorical limits:

Truck Washes involved in cleaning tank trucks and intermodal tank containers used to transport chemical or petroleum cargos are subject to EPA categorical pretreatment standards and are classified into the Transportation Equipment Cleaning (TEC) category. If identified as a TEC, the user may be required to submit monthly reports to address the following pollutants:

1. 40 CFR 442.11:	Maximum Daily Limit	Max. Monthly Ave
BOD	61 mg/L	22 mg/L
TSS	58 mg/L	26 mg/L
Oil and grease (HEM)	36 mg/L	16 mg/L
Copper	0.84 mg/L	-
Mercury	0.0031	-
pH	6-9	6-9
Non-polar material (SGT-HEM)	26	-

2. EPA Categorical Pretreatment Standard Pollutants:
    i. Fluoranthene
    ii. Phenanthrene
    iii. Cadmium
    iv. Chromium Total
    v. Copper
    vi. Lead
    vii. Non-Polar O&G
    viii. Mercury
    ix. Nickel
    x. Zinc

3. Other pollutants (CAM metals):
    i. Antimony
    ii. Arsenic
    iii. Barium
    iv. Berylium
    v. Cadmium
    vi. Chromium
    vii. Cobalt
    viii. Copper
    ix. Lead
    x. Mercury
    xi. Molybdenum
    xii. Nickel
    xiii. Selenium
    xiv. Silver
    xv. Thallium
    xvi. Vanadium
    xvii. Zinc

4. Truck washes shall immediately report to the District any event that causes wastewater discharge to show the following characteristics:

    i. Foaming;
    ii. Discoloration;
    iii. Noxious fumes;
    iv. Oil sheen;
    v. Build-up of solids that flocculate or coagulate;
    vi. Build-up of solids that reduce flow;

5. Truck Washes shall provide written monthly reports to the District that contain the following information:

    i. Date and time tanker trucks and intermodal tank containers were washed;

ii. Contents of tanker trucks and intermodal tank containers that were washed;
iii. Analysis of any wastewater discharge samples that were tested, whether required or not;
iv. Reports of on-line metering equipment;
v. All incidences of item 7 above.

6. On-line monitoring equipment shall monitor pH and EC whenever wastewater is being discharged.

7. The District will perform in lieu, as described in 40 CFR 403.12 (h), the required compliance status reporting for truck washes identified as Significant Non-categorical Industrial Users. This report is required at least once every six months.

Part 6: Best Management Practices

Best management practices shall be adhered to according to the industry standards of the individual permit holder.

A. <u>Best Management Practices Specific to Truck Washing Facilities</u>

1. Only biodegradable detergents should be used for dirt removal.
2. Detergents should be labeled “phosphate free” and should have a neutral pH.
3. Avoid using cleaning solutions that contains chlorinated solvents, are highly acidic or highly alkaline, and contains petroleum products or distillates.
4. Use only the minimum amount of detergent to get the job done.
5. Chrome and aluminum brighteners should only be used if they are hand applied and wiped. Brighteners should not be part of the washing process.
6. Minimize the amount of wastewater generated by using high pressure and low volume washing techniques. Keep in mind to avoid paint chipping caused from too high of a pressure.
7. Prevent runoff by containing storm drains with containment booms, storm drain covers, and other barrier equipment.
8. Changing motor oil near wash bay areas should be prohibited.
9. Brushing shall not be done in conjunction with buckets of concentrated detergent.
10. Chemical drums must be in secondary containment.

Part 7: Failure to Meet Discharge Limits

Users that absolutely cannot meet, due to their nature of discharge, local limits or discharge limits contained within the Act, after having installed best available pretreatment systems, are required to have their wastewater hauled off to another disposal site.

Attachment 1

Sampling Point Location 001

Description: The manhole to the east of the property along Golden State Boulevard.

Truck Wash Bay
Sampling Point Location 001: the manhole located east of the property along Golden State Blvd.
SEWER SYSTEM

MALAGA COUNTY WATER DISTRICT

3580 SOUTH FRANK STREET
FRESNO, CALIFORNIA 93725
PHONE (559) 485-7353
FAX (559) 485-7319

NON-RESIDENTIAL

WASTEWATER DISCHARGE PERMIT

Permit No: 1095 **MCWD Account No:** 046

Industrial User:	Lester Lube dba Fresno Truck Wash	**Class:** 1	
Mailing Address:	4170 S. Bagley Avenue	Significant Industrial User	
	Fresno, CA 93725	Non-Categorical	
Facility Address:	4170 S. Bagley Avenue	Slug Discharge Plan not required	
	Fresno, CA 93725		
Authorized Rep:	Mike Verdot	**Phone No:**	559-477-9002
Title:	Production Manager		
Contact:	Same	**Phone No:**	559-477-9002
APN:	331-090-050		
SIC No:	7542		
Fee:	$ 1262.78		
No. of Employees:	25		
Effective Date:	01/01/2016		
Expires:	12/31/2016	**Sewer Unit Allocation:**	51

Authorized District Signature: JPLindeson
District Manager

Issue Date: 12/15/2015

This permit authorizes the Permitee to discharge non-residential wastewater in accordance with the terms and conditions specified herein, provided that all other District requirements are met. Other District requirements include, but are not necessarily limited to, paying sewer connection fees and annexation fees and obtaining a sewer connection permit.

Industrial User Wastewater Discharge Permit

Part 1: Standard Conditions

A. Duty to Comply

The permitted Industrial User ("User") shall comply with all of the conditions of this Industrial Wastewater Discharge Permit ("Permit") and all of the provisions, terms, and requirements of the Malaga Code ("Code"), the Pretreatment Program, the Clean Water Act ("Act") and all orders, ordinances, rules, resolutions, and regulations of the District, including but not limited to connection permits and baseline discharge requirements. Failure to comply with the requirements of this permit may be grounds for enforcement action, including civil or criminal penalties, injunctive relief and summary abatements as set forth in the District's Enforcement Response Plan ("ERP").

B. Duty to Mitigate

The User shall take all reasonable steps to minimize or correct any adverse impact to the wastewater treatment system or the environment resulting from noncompliance with this Permit including such accelerated or additional monitoring and sampling or other orders as necessary to determine the nature and impact of and to correct the non-complying discharge.

C. Permit Modification

The District may modify the Permit for good cause, including but not limited to, the following reasons:

1. To incorporate any new or revised Federal, State, or local pretreatment standards or requirements;

2. To address significant alterations or additions to the User's operation, processes, or wastewater volume or character since the time of the individual wastewater discharge Permit issued;

3. A change in any process or discharge condition in either the industrial user or the POTW that requires either a temporary or permanent reduction or elimination of the authorized discharge;

4. Information indicating that the permitted discharge poses a threat to the Control Authority's collection and treatment systems, WWTF and equipment, personnel or the receiving waters;
5. Violation of any terms or conditions of the Permit;

6. Misrepresentation or failure to disclose fully all relevant facts in the Permit application or in any required reporting;

7. Revision of or a grant of variance from such categorical standards pursuant to 40 CFR 403.13;

8. To correct typographical or other errors in the Permit;

9. To reflect of the facility ownership and/or operation to a new owner/operator; or

10. Upon request of the User, provided such request does not create a violation of any applicable requirements, standards, laws, or rules and regulations.
11. The filing of a request by the User for a Permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay or modify any Permit condition.

D. <u>Retention of Records</u>

In addition to the record keeping requirements of the Malaga Code, Pretreatment program and the Act, the User shall retain records as follows:

1. The industrial user shall retain records of all monitoring information, copies of all reports required by this permit and records of all data used to complete the application for this permit, for a period of at least three years from the date of the sample, measurement, report or application. This period may be extended by the request of the District at any time.

2. All records that pertain to matters that are the subject of special orders or any other enforcement or litigation activities brought by the District shall be retained and preserved by the industrial user for three years after all enforcement activities have concluded and the time to bring any appeal(s) have expired.

E. <u>Permit Termination</u>

This Permit may be terminated for the following reasons:

1. Failure to notify the District of significant changes to the wastewater prior to the change discharge;

2. Failure to provide prior notification to the District of changed conditions;

3. Misrepresentation or failure to fully disclose all relevant facts in wastewater discharge Permit application;

4. Falsifying self-monitoring reports and/or certification statements;

5. Tampering with monitoring equipment;

6. Refusing to allow timely access to the facility premises and records;

7. Failure to meet effluent limitations;

8. Failure to pay fines;

9. Failure to pay sewer charges;

10. Failure to meet compliance schedules;

11. Failure to complete a wastewater survey and renewal form, or the wastewater discharge Permit application;

12. Failure to provide advance notice of the transfer of business ownership of a permitted facility; or

13. Violation of any pretreatment standard or requirement including required BMPs contained in the Code, or the wastewater discharge Permit, or the Pretreatment Program.

F. Notification and Reporting

1. In addition to the record keeping and reporting requirements of the Malaga Code, the Pretreatment Program, and the Act, the User shall notify the District prior to any new or changed discharge, and shall immediately notify the District at (559) 485-7353 of any wastewater discharge which is not in compliance with this Permit, or the Pretreatment Program, or the Code, or which might be reasonably judged to constitute a hazard to District personnel, the wastewater treatment system, or the environment.

2. The User shall furnish any information relating to wastewater discharge quantity and quality as required by the District, and shall comply with all reporting requirements specified in this Permit.

G. Costs and Fees

1. The User shall pay all fees required by District ordinances, including but not limited to, permit fees, connection fees, annexation fees, bond debt services charges, and sewer unit fees.

2. The User shall also pay any additional cost or expenses incurred by the District for handling and treating excess loads imposed on the treatment system and any cost or expense incurred by the District in the enforcement of the provisions of its ordinances and the correction of violations thereof.

H. Facilities

1. The User shall make wastewater acceptable under the limitations of the Code and the Pretreatment Program before discharging to the sewage system. Any facilities required to pretreat wastewater to a level acceptable to the District shall be provided and maintained at the User's expense. Detailed plans showing the pretreatment facilities and operating facilities shall be submitted to the District for review, and shall be acceptable to and approved by the District, in writing, before construction of the facility. The review of such plans and operating procedures will in no way relieve the User from the responsibility of modifying the facility as necessary to produce an effluent acceptable to the District under the provisions of the Malaga Code. Any subsequent changes in the pretreatment facilities or method of operation shall be reported to, and be approved in writing by, the District.

2. Pretreatment facilities (including sampling and flow monitoring facilities) shall be maintained in good working order and shall be operated so as to ensure continuous compliance with District ordinances, resolutions, rules and regulations, and any applicable permits by the User at the User's own cost and expense. Pretreatment facilities are at all times subject to the requirements of these rules and regulations and all other applicable codes, ordinances, and laws. Intermittent operation of pretreatment facilities except as provided for in writing by the District during discharge to the sewage system is prohibited.

3. All solids, sludge, filter backwash or other pollutants removed by pretreatment facilities shall not be discharged to the sewage system, nor allowed to enter any storm water or ground water recharge system, nor allowed to seep into the ground, but shall be stored, treated and/or disposed of in accordance with applicable County, State and Federal regulations.

I. Right of Entry

Pursuant to the provisions of the Malaga Code, the User shall allow District personnel, upon the presentation of credentials, to enter upon any property or premises, the User, by accepting any permit issued pursuant to the Code, does hereby consent and agree to the entry upon the premises, described in the Permit, by District personnel for the following purposes as required by the Permit at all reasonable times:

1. Reviewing and copying any records required to be kept under the provisions of the Malaga Code;

2. Inspecting any monitoring equipment, pretreatment facility or discharge-producing process;

3. Inspecting and/or sampling any discharge of wastewater to the wastewater facilities. District personnel may enter upon the property at any hour under emergency circumstances. In the event of such emergency entry, District personnel shall make every effort to immediately notify the User's designated agent;

4. To investigate the possible violation of the Malaga Code or Permit;

5. To photograph any waste, waste container, vehicle, waste treatment process, discharge location, or violation discovered during an inspection.

6. Users shall cooperate at all times with authorized District personnel in the inspection, sampling and study of the User's facilities and wastewater.

J. Duration

The terms and conditions of this Permit shall remain in effect until either:

1. The Permit is modified;

2. The Permit is revoked;

3. The Permit expires and cause is determined for non-renewal of the Permit;

4. Failure of the District to act upon a valid Permit application or renewal application shall allow for automatic extension of operations under existing Permit conditions until such District action is complete.

5. Failure of the District to act upon a valid Permit application or renewal application shall allow for automatic extension of operations under existing Permit conditions until such District action is complete.

6. This Permit allows the User to operate only one industrial wastewater discharge point to the sewer collection system.

K. Severability

The provisions of this Permit are severable, and if any provisions of this Permit or the application of any provision of this Permit to any circumstances is held invalid, the application of such provision to other circumstances and the remainder of the Permit shall not be affected hereby.

L. Transferability

This Permit shall not be reassigned, transferred, or sold to a new owner, new user, different premises, or to a new or changed operation.

M. Enforcement and Penalties

Failure to comply with any of the provisions of this Permit, the Malaga Code, or applicable State or Federal laws or regulations may result in any or all of the following actions:

1. Administrative actions including but not limited to Notices of Violation, Administrative Orders, Administrative Citations, Administrative Complaints, Administrative Hearings, Governing Board Hearings, Compliance Orders, Orders to Show Cause and civil penalties in an amount of not less than one thousand dollars ($1,000) per day, per violation;

2. Legal actions including but not limited to preliminary or permanent injunctions, or both;

3. Civil and/or criminal penalties;

4. Permit revocation;

5. Temporary or permanent disconnection from the District's sewerage system;

6. Water supply severance.

N. Appeals

Any User affected by any decision, action, or determination, including Administrative Orders, issued by the District, interpreting or implementing he provisions of The Malaga Code or any permit or Order issued thereunder, may file with the District a written request for reconsideration within ten (10) days of such decision, action, or determination, setting forth in detail in facts supporting the User's request for reconsideration.

If the ruling made by the Manager is unsatisfactory to the person requesting reconsideration, this person may, within ten (10) days after notification of District action, file a written appeal to the District's Board of Directors. The written appeal shall be heard by the body within sixty (60) days from the date of filing. The District's Board of Directors shall make a final ruling on the appeal within ten (10) days of the close of the meeting. The Manager's decision, action, or determination shall remain in effect during such period of reconsideration.

Any User aggrieved by a final order issued by the Board of Directors may obtain review of the order of the Board in the Superior Court by filing in the court a petition for writ of

mandate within thirty (30) days following the service of a copy of a decision and order issued by the Board.

If no aggrieved party petitions for writ of mandate within the time provided by this section, an order of the Board shall not be subject to review by any court or agency, except that the Board may grant review on its own motion after the expiration of the time limits.

O. Definitions

The following definitions below are intended to serve only as references to the definitions contained within the Malaga Code and do not overwrite any of those aforementioned definitions.

1. Composite Sample. A representative sample, formed either by continuous sampling or by mixing discrete samples. The sample may be composited either as a:

    i. Time based composite sample: composed of discrete sample aliquots collected in one container at constant time intervals providing representative samples irrespective of stream flow; or a

    ii. flow-proportional composite sample: collected either as a constant sample volume at time intervals proportional to stream flow, or collected by increasing the volume of each aliquot as the flow increases while maintaining a constant time interval between the aliquots.

2. Daily Maximum. The maximum allowable discharge limit of a pollutant expressed in units of mass per day. Where daily maximum limits are expressed in terms of a concentration, the daily discharge is the arithmetic average measurement of the pollutant concentration derived from all measurements taken that day.

3. Grab Sample. An individual sample collected without regard for flow or time.

4. Instantaneous Maximum Concentration. The maximum concentration allowed in any single grab sample.

5. Cooling Water. Either,

    i. Uncontaminated – Water used for cooling purposes only which has no direct contact with any raw material, intermediate, or final product and which does not contain a level of contaminants detectably higher than that of the intake water.

ii. Contaminated – Water used for cooling purposes only which may become contaminated either through the use of water treatment chemicals used for corrosion inhibitors or biocides, or by direct contact with process materials and/or wastewater.

6. Monthly Average. The arithmetic mean of the values for effluent samples collected during a calendar month or specified 30 day period (as opposed to a rolling 30 day window). Compliance with the monthly average discharge limit is required regardless of the number of samples collected and analyzed.

7. Bi-Weekly. Once every other week.

8. Bi-Monthly. Once every other month.

9. Upset. An exceptional incident resulting in temporary and unintentional non-compliance because of factors beyond the reasonable control of the discharger.

10. Bypass. Means the diversion of wastes from any portion of a pretreatment process or facility.

11. Slug Discharge. Any discharge of a non-routine, episodic nature, including but not limited to an accidental spill or a non-customary batch discharge, which has a reasonable potential to cause interference or pass through, or in any other way violate the POTW's regulations, local limits or permit conditions.

12. Batch Discharge. A single, episodic discharge of accumulated waste, as opposed to a continuous, uninterrupted flow of waste material.

P. Dilution

The User shall not increase the use of potable water or process water or, in any way, attempt to dilute a discharge as a partial or complete substitute for adequate treatment to achieve compliance with a discharge limitation unless expressly authorized by an applicable Pretreatment Standard or Requirement. The District may impose mass limitations to meet applicable Pretreatment Standards or requirements, or in other cases when the imposition of mass limitations is appropriate.

Part 2: Discharge prohibitions and Limitations

A. Standard Discharge Prohibitions

The User shall comply with all discharge prohibitions and limitations specified in the Malaga Code, the Pretreatment Program, and this Permit. Prohibitions include but are not limited to:

1. Any materials that may cause interference or pass through;

2. Oils and Grease in any amounts that may cause an obstruction in the sewer collection system;

3. Explosive mixtures;

4. Noxious materials;

5. Shredded garbage;

6. Solid or viscous waste that cause an obstruction or decrease flow in the sewer collection system to less than two feet per second;

7. Slug loads not coordinated with the District by a Slug Control Plan;

8. Toxic or hazardous materials;

9. Unpolluted waters;

10. Wastes with objectionable color or odor;

11. Corrosive waste;

12. Trucked or hauled waste;

13. Sludges, screenings, or other residues from wastewater pretreatment;

14. Medical wastes;

15. Detergents, surface active agents, or other substances that may cause excessive foaming at the WWTF;

16. Any substance that will interfere or upset the treatment process at the WWTF;

17. Any substance that may result in the WWTF exceeding NPDES permit limits.

18. Any bypass as defined in Part 1(O)(10) of this permit.

B. Discharge Local Limits

1.

Parameter	Discharge Local Limit	Specific Conditions
pH	6.0 - 9.0	pH is an instantaneous reading and cannot be averaged
Electrical Conductivity (EC)	950 µmhos/cm	Monthly average
Biochemical Oxygen Demand (BOD)	1,000 mg/L	Monthly average
Suspended Solids	1,000 mg/L	Monthly average
Chemical Oxygen Demand (COD)	1,000 mg/L	Monthly average
Oil and Greases	100 mg/L	Monthly average

A User which has a flow volume of less than 3,000 gallons per day or less than 45,000 gallons per month shall have a maximum concentration limit for Electrical Conductivity of 7,000 µmhos/cm except that such discharge shall not be an incompatible Pollutant nor shall it pass through the POTW or interfere with the POTW.

2. Animal and vegetable (polar) O&G not greater than 300 mg/l;

3. Discharge of the following Pollutants of Concern (POC's) above Local Limits:

Pollutant	Local Limit
Iron	1.0 mg/l as a monthly average
Lead	5.0 mg/l as a monthly average
Silver	5.0 mg/l as a monthly average
Arsenic	5.0 mg/l as a monthly average
Benzene	5.0 mg/l as a monthly average
Phenols	1.0 mg/l as a monthly average
Cadmium	0.10 mg/l as a monthly average
Zinc	5.0 mg/l as a monthly average
Chromium	5.0 mg/l as a monthly average
Copper	5.0 mg/l as a monthly average
Aluminum	5.0 mg/l as a monthly average
Mercury	0.20 mg/l as a monthly average
Barium	10.0 mg/l as a monthly average
Nickel	5.0 mg/l as a monthly average
Selenium	1.0 mg/l as a monthly average
Boron	8.0 mg/l as a monthly average
Chloride	
Cyanide	
Ammonia, as N	
Nitrite + Nitrate, as N	
Phosphorus	
Fluoride	
Diazinon	
Calcium	

Magnesium

4. Discharge of wastewater that:

   i. Contains solids that will not pass through a 20 per square inch mesh;

   ii. Has a temperature greater than 104 degrees Fahrenheit;

   iii. Has an alkalinity that is greater or less than 10% of source water;

Part 3: Monitoring and Reporting Requirements

A. General Monitoring Requirements

1. The Manager may require any User to monitor wastewater discharge and submit monitoring reports to the District, at a frequency specified by the District.

2. The User shall comply with all monitoring requirements specified in this Permit or otherwise required, in writing, by the District.

3. Flow monitoring and sampling equipment may be required and shall comply with all applicable provisions of this Permit and the Malaga Code.

4. If required, laboratory analysis of industrial wastewater samples shall be performed in accordance with the approved test procedures specified in 40CFR136 unless otherwise authorized, in writing, by the District.

5. If required, all samples must be collected, preserved, and analyzed in accordance with the procedures established in 40 CFR Part 136, and amendments.

6. If required, the User shall have an automated sampler that shall be maintained in accordance with manufacturer's recommendations, shall be cleaned once per month when in use, and samples shall be maintained at 4.0°C (±2.0°C).

7. If required, the User shall operate and maintain an effluent flowmeter, have it electronically calibrated annually and hydraulically calibrated every three years by a recognized professional in flowmeter testing and repair, and provide proof of calibration to the District prior to July 31 annually.

8. If required, continuous on-line monitoring equipment shall be maintained and calibrated in accordance with manufacturer's specifications.

9. If required, to install, operate and maintain at User's cost and expense an automatic, permanent wastewater flow monitoring system approved by the District which provides a primary flow measuring device, indication, recording and totalizing of flow and a signal generating device that can be used to activate the District's and other automatic samplers.

10. If required, to install, operate and maintain at User's cost and expense an automatic wastewater sampling system approved by the District which provides a flow proportional composite sample, a sample volume of not less than two liters, refrigerated storage and self-purging capability.

11. If required, to install, operate and maintain at User's cost and expense an automatic pH recording system approved by the District which provides a pH recording instrument and a pH probe located downstream of all Pretreatment operations and just before discharge to the sewage system.

12. If required, to install, operate and maintain at User's cost and expense a batch pH neutralization system approved by the District which provides a storage facility for wastewater of pH less than 6.0 or greater than 9.0, a pH measuring device, neutralizing agent and a permanently bound record of pH neutralization before discharge to the sewage system.

13. If required, to install, operate and maintain at User's cost and expense an automatic pH recording and control system approved by the District which provides a pH recording instrument, a pH probe located downstream of all Pretreatment operations and just before discharge into the sewage system, storage for a neutralizing agent, a neutralization chamber, a continuous neutralizing agent injection system activated by pH level and adequate agitation.

B. Sampling Point Location

1. The Sampling Point Location shall be designated at the following location:

Sampling Point Location Name	Location Description
001	Within the pretreatment area lies a three-compartment pit. The compartment located furthest west is the sampling point location. See attachment.

2. **Both the User and the District personnel are required to sample from the same sampling point location (001).**

C. Specific Monitoring and Reporting Requirements

The District will conduct all sampling and reporting requirements for truck washing facilities classified as non-categorical significant industrial users. In accordance to 40 CFR 403.12 (h), the District will analyze the user's discharge at least once every six months in order to obtain a description of the nature, concentration, and flow of the pollutants.

D. The User may be required to submit an annual monitoring report of the following Pollutants of Concern (POC's) listed below:

1. Ammonia, as N
2. Nitrite + Nitrate, as N
3. Oil and Grease (HEM-polar)
4. Oil And Grease (Petroleum-non polar)
5. Alkalinity
6. Hardness
7. Calcium
8. Magnesium
9. Boron
10. Chloride
11. Cyanide
12. Phosphorus
13. Fluoride
14. Diazinon
15. Iron
16. Lead
17. Silver
18. Arsenic
19. Benzene
20. Phenols
21. Cadmium
22. Zinc
23. Chromium
24. Copper
25. Aluminum
26. Mercury
27. Barium
28. Nickel
29. Selenium

E. <u>Priority Pollutants</u>

The User may be required to monitor Priority Pollutants listed below. In lieu of monitoring for Priority Pollutants, the User may submit a toxic organics management plan (TOMP) to the District for approval. Preparation of the TOMP must be done in accordance with EPA regulations and approved by the District. If approved, the User may submit the certification statement as set forth in Part 3.5.a of this Permit. If the User fails to certify, sign, and submit the certification statement, the User will be required to conduct Priority Pollutant monitoring.

Appendix A to 40 CFR, Part 423--126 Priority Pollutants

001 Acenaphthene
002 Acrolein
003 Acrylonitrile
004 Benzene
005 Benzidine
006 Carbon tetrachloride (tetrachloromethane)
007 Chlorobenzene
008 1,2,4-trichlorobenzene
009 Hexachlorobenzene
010 1,2-dichloroethane
011 1,1,1-trichloreothane
012 Hexachloroethane
013 1,1-dichloroethane
014 1,1,2-trichloroethane
015 1,1,2,2-tetrachloroethane
016 Chloroethane
018 Bis(2-chloroethyl) ether
019 2-chloroethyl vinyl ether (mixed)
020 2-chloronaphthalene
021 2,4, 6-trichlorophenol
022 Parachlorometa cresol
023 Chloroform (trichloromethane)
024 2-chlorophenol
025 1,2-dichlorobenzene
026 1,3-dichlorobenzene
027 1,4-dichlorobenzene
028 3,3-dichlorobenzidine
029 1,1-dichloroethylene
030 1,2-trans-dichloroethylene
031 2,4-dichlorophenol
032 1,2-dichloropropane
033 1,2-dichloropropylene (1,3-dichloropropene)
034 2,4-dimethylphenol
035 2,4-dinitrotoluene
036 2,6-dinitrotoluene
037 1,2-diphenylhydrazine
038 Ethylbenzene
039 Fluoranthene
040 4-chlorophenyl phenyl ether
041 4-bromophenyl phenyl ether
042 Bis(2-chloroisopropyl) ether
043 Bis(2-chloroethoxy) methane
044 Methylene chloride (dichloromethane)
045 Methyl chloride (dichloromethane)
046 Methyl bromide (bromomethane)
047 Bromoform (tribromomethane)
048 Dichlorobromomethane
051 Chlorodibromomethane
052 Hexachlorobutadiene
053 Hexachloromyclopentadiene
054 Isophorone
055 Naphthalene
056 Nitrobenzene
057 2-nitrophenol
058 4-nitrophenol
059 2,4-dinitrophenol
060 4,6-dinitro-o-cresol
061 N-nitrosodimethylamine
062 N-nitrosodiphenylamine
063 N-nitrosodi-n-propylamin
064 Pentachlorophenol
065 Phenol
066 Bis(2-ethylhexyl) phthalate
067 Butyl benzyl phthalate
068 Di-N-Butyl Phthalate
069 Di-n-octyl phthalate
070 Diethyl Phthalate
071 Dimethyl phthalate
072 1,2-benzanthracene (benzo(a) anthracene
073 Benzo(a)pyrene (3,4-benzo-pyrene)
074 3,4-Benzofluoranthene (benzo(b) fluoranthene)
075 11,12-benzofluoranthene (benzo(b) fluoranthene) 076 Chrysene
077 Acenaphthylene
078 Anthracene
079 1,12-benzoperylene (benzo(ghi) perylene) 080 Fluorene
081 Phenanthrene
082 1,2,5,6-dibenzanthracene (dibenzo(,h) anthracene)
083 Indeno (,1,2,3-cd) pyrene (2,3-o-pheynylene pyrene)
084 Pyrene
085 Tetrachloroethylene
086 Toluene
087 Trichloroethylene
088 Vinyl chloride (chloroethylene)
089 Aldrin
090 Dieldrin
091 Chlordane (technical mixture and metabolites)
092 4,4-DDT
093 4,4-DDE (p,p-DDX)
094 4,4-DDD (p,p-TDE)
095 Alpha-endosulfan
096 Beta-endosulfan
097 Endosulfan sulfate
098 Endrin
099 Endrin aldehyde
100 Heptachlor
101 Heptachlor epoxide (BHC-hexachlorocyclohexane)
102 Alpha-BHC
103 Beta-BHC
104 Gamma-BHC (lindane)
105 Delta-BHC (PCB-polychlorinatedbiphenyls)
106 PCB-1242 (Arochlor 1242)
107 PCB-1254 (Arochlor 1254)
108 PCB-1221 (Arochlor 1221)
109 PCB-1232 (Arochlor 1232)
110 PCB-1248 (Arochlor 1248)
111 PCB-1260 (Arochlor 1260)
112 PCB-1016 (Arochlor 1016)
113 Toxaphene
114 Antimony
115 Arsenic
116 Asbestos
117 Beryllium
118 Cadmium
119 Chromium
120 Copper
121 Cyanide, Total
122 Lead
123 Mercury
124 Nickel
125 Selenium
126 Silver
127 Thallium
126 Silver
128 Zinc
129 2,3,7,8-tetrachloro-dibenzo-p-dioxin (TCDD)

F. Reporting Requirements

1. The District may require any User to submit monitoring reports in a format and at a frequency specified by the General Manager. The User shall comply with all reporting requirements specified in this Permit or otherwise required, in writing, by the District and all monitoring and reporting requirements of the Malaga Code.

2. All Users subject to Federal categorical pretreatment standards shall comply with all applicable reporting requirements specified in 40CFR403.12.

3. The User shall immediately notify the District prior to any new or changed discharge, and shall immediately notify the District (phone 559-485-7353) of any wastewater discharge which is not in compliance with the Permit or the Malaga Code, or which might be reasonably judges to constitute a hazard to District personnel, the wastewater treatment system, or the environment.

4. User shall immediately notify the District of any changes that occur at the facility affecting the potential for a Slug Discharge so that the POTW may reevaluate the need for a Slug Control Plan or other actions to prevent such Discharges.

5. The User shall provide a site plan showing the location of all wastewater treatment facilities (grease traps, sand separators, etc.)

6. User shall monitor grease traps weekly and record scum and solids levels.

7. Users shall maintain a District approved hazardous waste inventory accounting system which includes a bound log book containing permanent entries that account, either by mass or by volume, for the disposition of substances prohibited by the Malaga Code or this Permit.

8. Users shall keep waste hauler reports on file for a period of three years.

9. User shall maintain a manifest from all trucks washed at a truck wash facility. A copy of the manifest shall be submitted to the District on demand to confirm the contents of trucks washed out.

10. Users shall maintain a log of all wastewater and solids removed from the premise, to include the destination of the hauled materials. Submit copies of the log on a quarterly basis to MCWD for the first year and annually thereafter.

11. Monitoring results obtained must be summarized and reported in a format acceptable to the District.

12. Reports for parameters with a continuous monitoring frequency must be submitted monthly. The reports are due within 15 days after the end of each calendar month.

13. Reports for parameters with a designated monitoring frequency must be submitted within 15 days after the reporting period.

14. All monitoring reports must indicate the nature and concentration of all pollutants in the effluent for which sampling and analysis were performed during the reporting period preceding the submission of each report, including measured maximum and average daily flows.

15. All reports required by this Permit must be submitted to the Malaga County Water District at the following address:

    Malaga County Water District
    Environmental Compliance Inspector
    3580 S. Frank Street
    Fresno, CA 93725

G. Recordkeeping.

Users subject to the reporting requirements of this Code shall retain, and make available for inspection and copying, all records of information obtained pursuant to any monitoring activities required by this Code, any additional records of information obtained pursuant to monitoring activities undertaken by the User independent of such requirements, and documentation associated with Best Management Practices established under this Code. Records shall include the date, exact place, method, and time of sampling, and the name of the person(s) taking the samples; the dates analyses were performed; who performed the analyses; the analytical techniques or methods used; and the results of such analyses. These records shall remain available for a period of at least three (3) years. This period shall be automatically extended for the duration of any litigation concerning the User or the District, or where the User has been specifically notified of a longer retention period by the General Manager, or his or her designee.

H. Certification Statements

1. The User is required to sign and submit the following certification statement if granted use of a Toxic Organic Management Plan in lieu of reporting Priority Pollutants:

"Based on my inquiry of the permit or persons directly responsible for managing compliance with the pretreatment standard for Priority Pollutants (PP's), I certify that, to the best of my knowledge and belief, no dumping of concentrated priority pollutant toxic organics into the wastewaters has occurred since filing of the last discharge monitoring

report. I further certify that this facility is implementing the Toxic Organic Management Plan submitted to the Control Authority."

2. The User is required to sign and submit the following certification statement with all monitoring reports:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are signification penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

3. All reports required by this Permit must be submitted to the Malaga County Water District at the following address:

Malaga County Water District
Environmental Compliance Inspector
3580 S. Frank Street
Fresno, CA 93725

I. Annual Publication

As required by the Act, the District's Pretreatment Program, and the Malaga Code, a list of all industries which were in significant noncompliance of applicable federal pretreatment standards or other pretreatment requirements during the twelve (12) previous months shall be annually published by the District in the largest daily newspaper within its service area. Accordingly, the User is apprised that noncompliance with this permit may lead to an enforcement action and may result in publication of its name in an appropriate newspaper. For purposes of this provision, significant noncompliance is defined under 40 CFR 403.8 (f)(2)(vii).

Part 4: Other Conditions

A. Automatic Re-sampling

If the results of the User's wastewater analysis indicate that a violation of this Permit has occurred, the User must:

1. Inform the Malaga County Water District of the violation within 24 hours;

2. Repeat sampling and pollutant analysis and submit, in writing, the results of this second analysis within 30 days of becoming aware if the first violation;

3. Continue repeat sampling until it is determined that the violation has ceased.
4. Pursuant to the provision of the Malaga Code, the District shall have the ability to sample and analyze any time the District deems appropriate.

B. Accidental Discharge and Reporting

The user must notify the Malaga County Water District immediately upon the occurrence of spills, including, but not limited to, accidental discharges, discharges of a nonroutine, episodic nature, a noncustomary batch discharge, slug loads or slug discharges, that might potential problems for the POTW, or spills that might enter the public sewer. During normal business hours the Malaga County Water District should be notified by telephone at 559-485-7353. The notification must include location of discharge; date and time of discharge; type of waste, including concentration and volume; and corrective actions taken. The User's notification of accidental release in accordance with this section does not relieve it of other reporting requirements that arise under local, state, or federal laws.

Within 5 days following an accidental discharge, the User shall submit to the District Malaga County Water a detailed written report. The report must specify:

1. Description and cause of the upset, slug load, or accidental discharge; the cause thereof; and the impact on the User's compliance status. The description should also include location of discharge and type, concentration, and volume of waste.

2. Duration of noncompliance, including exact dates and times of noncompliance and, if the noncompliance is continuing, the time by which compliance is reasonably expected to occur.

3. All steps taken or to be taken to reduce, eliminate, and/or prevent recurrence of such an upset, slug load, accidental discharge, or other conditions of noncompliance.

C. Pretreatment Systems

1. The District may require Users to install and operate at their own expense the following pretreatment systems:

    i. A grease interceptor approved by the District which (a) prevents excessive grease and oil from entering the sewage system (b) provides at least 1250 gallons storage capacity, at least two compartments, baffles to retain floatable greases and oils and a sampling port and (c) excludes any Sanitary Wastewater from entering the interceptor.

ii. A grit interceptor approved by the District which (a) prevents sand and settleable grit from entering the sewage system (b) provides a 30-minute detention time base on peak wastewater rate, a minimum capacity of 500 gallons, at least two compartments, baffles to reduce wastewater velocity sufficiently to settle sand and grit and (c) excludes any sanitary wastewater from entering the interceptor.

2. Use of the following pretreatment systems shall not violate any portion of the Malaga Code nor inhibit wastewater treatment systems:

iii. To operate and maintain any garbage grinders in a manner which prevents discharge of wastewater in violation of the Malaga Code.

iv. To operate and maintain any water softening units in strict accordance with manufacturer's instructions and in a manner to minimize salts discharge into sewage system.

D. Removed Substances

1. Solids, sludges, filter backwash or other pollutants removed from wastewater in the course of pretreatment or the control of wastewater must be disposed of in accordance with section 405 of the Clean Water Act and Subtitles C and D of the Resource Conservation and recovery Act.

2. Removed Substances shall not be allowed to enter the sewer collection system, nor any storm drain, nor any outfall or drain which leads to a storm water collection system or a water catchment system intended for ground water recharge purposes.

3. Removed substances shall not be retained on the property of the User and shall be properly disposed of as indicated above.

E. Slug Discharge Control Requirements

The User is required to submit and implement a slug discharge control plan if directed by the District. Determination of the requirement for a slug discharge plan shall be made during an initial facility inspection by the District. If it is determined that due to batch discharge or plug flow the WWTF could be hydraulically or biologically overloaded, a slug discharge plan shall be developed and implemented. The slug discharge control plan must include, at a minimum, the following:

1. Description of discharge practices, including non-routine batch discharges.

2. Description of stored chemicals.

3. Procedures for immediately notifying the Malaga County Water District of slug discharges, including any discharge that would violate prohibition under 40CFR 403.5(b), with procedures for follow-up written notification within five days.

4. Procedure to limit any impact on maximum allowable head works loading of the WWTF.

5. Procedures to prevent adverse impact from accidental spills, including inspection and maintenance of storage areas, handling and transfer of materials, loading and unloading operations, control of plant site runoff, worker training, building of containment structures or equipment, measures for containing toxic organic pollutants, and measures and equipment for emergency response.

F. Compliance Schedule

Pursuant to the Enforcement Response Plan, the following levels of escalating enforcement and administrative citations have been established:

1. Warning Notice, and any associated Notices of Non-Compliance;

2. Notice of Violation, and any associated Notices of Non-Compliance;

3. Consent Order, and any associated Notices of Non-Compliance;

4. Compliance Order, and any associated Notices of Non-Compliance; and

5. Show Cause Order, and any associated Notices of Non-Compliance.

i. In the event of any notice or order for compliance, a schedule for compliance shall be included. The User is responsible to meet the schedule for compliance, and shall be penalized according to the provisions of the Enforcement response Plan for failing to do so.

ii. No later than 14 days following the date of the notice or order, the user must submit to the Malaga County Water District a written report including, at a minimum, whether it complied with the increment of progress to be met on such date and, if not, the date on which it expects to comply with the increment of progress, the reasons for delay, and the steps being taken to return the project to the schedule established.

G. Potential Non-Compliance

The User must immediately inform the District in the event of the potential for non-compliance for any known reason. Failure to report the potential for non-compliance may result in a harsher penalty for a non-compliance event that was known to pre-exist.

Part 5: Special Conditions for Truck Washes

A. Truck washes shall comply with all other portions of this permit and the Malaga Code.

B. Wastewater from the truck wash facility shall not cause any of the following effects to the sewer collection system or have the following characteristics:

1. Build-up of solids such that wastewater flows slower than 2 feet per second in the collection system;

2. Foaming of wastewater;

3. Discoloration of wastewater;

4. A pH of less than 6.0 or greater than 9.0 at any time;

5. An electro-conductivity reading in excess of 950 u-ohm/cm at any time;

C. Solids shall not be washed from a truck tank that cannot pass through a size 20 mesh per square inch filter directly into the sewer collection system.

D. Truck tanks must be emptied prior to washing with no noticeable residue of prior contents.

E. Truck washes shall maintain a manifest of tanker trucks and inter-modal tank containers washed that includes the following information at a minimum:

1. Date and time the truck was washed
2. Contents of the tank prior to washing

F. Reserved for truck washes that may be subject to categorical limits:

Truck Washes involved in cleaning tank trucks and intermodal tank containers used to transport chemical or petroleum cargos are subject to EPA categorical pretreatment standards and are classified into the Transportation Equipment Cleaning (TEC) category. If identified as a TEC, the user may be required to submit monthly reports to address the following pollutants:

1. 40 CFR 442.11:	Maximum Daily Limit	Max. Monthly Ave
BOD	61 mg/L	22 mg/L
TSS	58 mg/L	26 mg/L
Oil and grease (HEM)	36 mg/L	16 mg/L
Copper	0.84 mg/L	-
Mercury	0.0031	-
pH	6-9	6-9
Non-polar material (SGT-HEM)	26	-

2. EPA Categorical Pretreatment Standard Pollutants:
    i. Fluoranthene
    ii. Phenanthrene
    iii. Cadmium
    iv. Chromium Total
    v. Copper
    vi. Lead
    vii. Non-Polar O&G
    viii. Mercury
    ix. Nickel
    x. Zinc

3. Other pollutants (CAM metals):
    i. Antimony
    ii. Arsenic
    iii. Barium
    iv. Berylium
    v. Cadmium
    vi. Chromium
    vii. Cobalt
    viii. Copper
    ix. Lead
    x. Mercury
    xi. Molybdenum
    xii. Nickel
    xiii. Selenium
    xiv. Silver
    xv. Thallium
    xvi. Vanadium
    xvii. Zinc

4. Truck washes shall immediately report to the District any event that causes wastewater discharge to show the following characteristics:

    i. Foaming;
    ii. Discoloration;
    iii. Noxious fumes;
    iv. Oil sheen;
    v. Build-up of solids that flocculate or coagulate;
    vi. Build-up of solids that reduce flow;

5. Truck Washes shall provide written monthly reports to the District that contain the following information:

    i. Date and time tanker trucks and intermodal tank containers were washed;

ii. Contents of tanker trucks and intermodal tank containers that were washed;
iii. Analysis of any wastewater discharge samples that were tested, whether required or not;
iv. Reports of on-line metering equipment;
v. All incidences of item 7 above.

6. On-line monitoring equipment shall monitor pH and EC whenever wastewater is being discharged.

7. The District will perform in lieu, as described in 40 CFR 403.12 (h), the required compliance status reporting for truck washes identified as Significant Non-categorical Industrial Users. This report is required at least once every six months.

Part 6: Best Management Practices

Best management practices shall be adhered to according to the industry standards of the individual permit holder.

A. <u>Best Management Practices Specific to Truck Washing Facilities</u>

1. Only biodegradable detergents should be used for dirt removal.
2. Detergents should be labeled “phosphate free” and should have a neutral pH.
3. Avoid using cleaning solutions that contains chlorinated solvents, are highly acidic or highly alkaline, and contains petroleum products or distillates.
4. Use only the minimum amount of detergent to get the job done.
5. Chrome and aluminum brighteners should only be used if they are hand applied and wiped. Brighteners should not be part of the washing process.
6. Minimize the amount of wastewater generated by using high pressure and low volume washing techniques. Keep in mind to avoid paint chipping caused from too high of a pressure.
7. Prevent runoff by containing storm drains with containment booms, storm drain covers, and other barrier equipment.
8. Changing motor oil near wash bay areas should be prohibited.
9. Brushing shall not be done in conjunction with buckets of concentrated detergent.
10. Chemical drums must be in secondary containment.

Part 7: Failure to Meet Discharge Limits

Users that absolutely cannot meet, due to their nature of discharge, local limits or discharge limits contained within the Act, after having installed best available pretreatment systems, are required to have their wastewater hauled off to another disposal site.

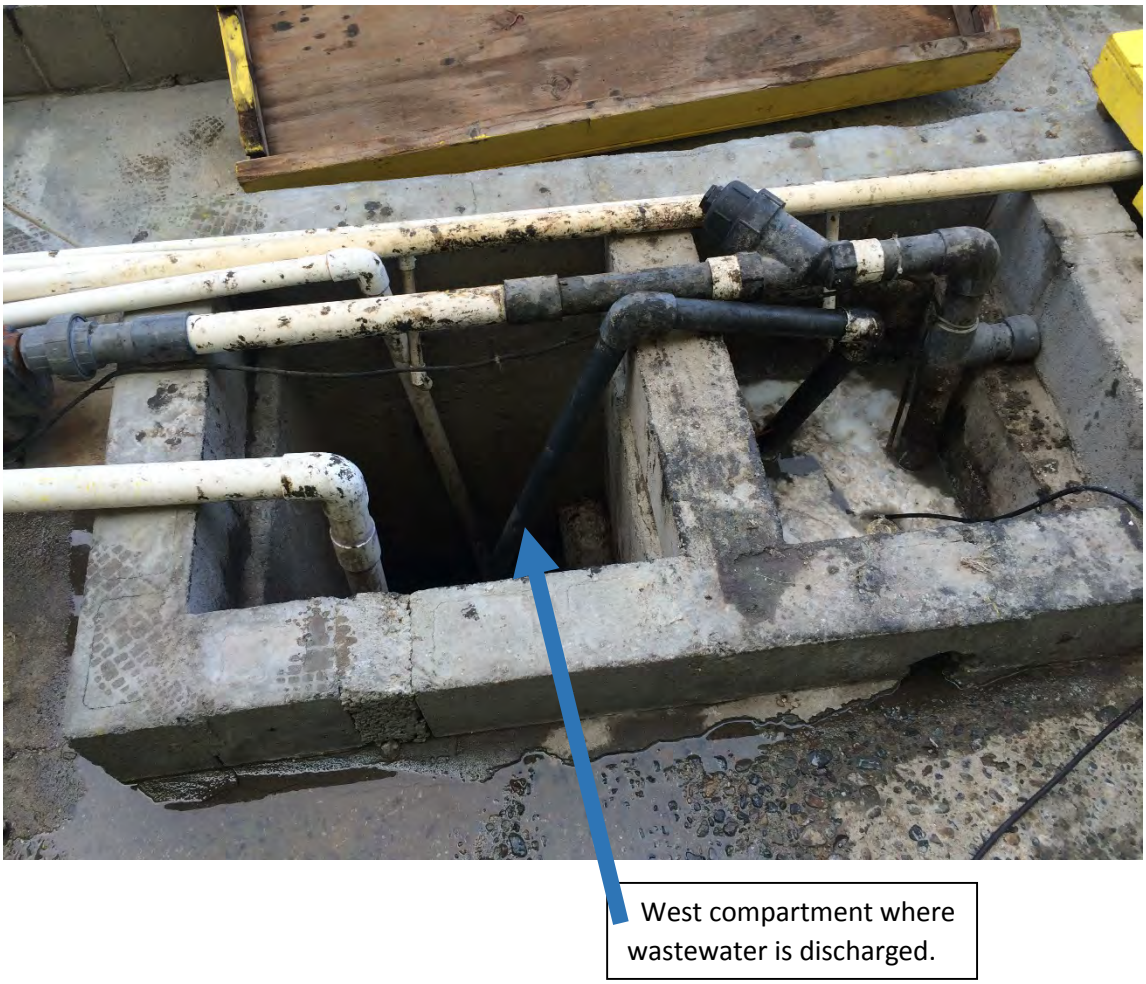
Attachment 1

Sampling Point Location 001

Description: Within the pretreatment area lies a three-compartment pit. The compartment located furthest west is the sampling point location.

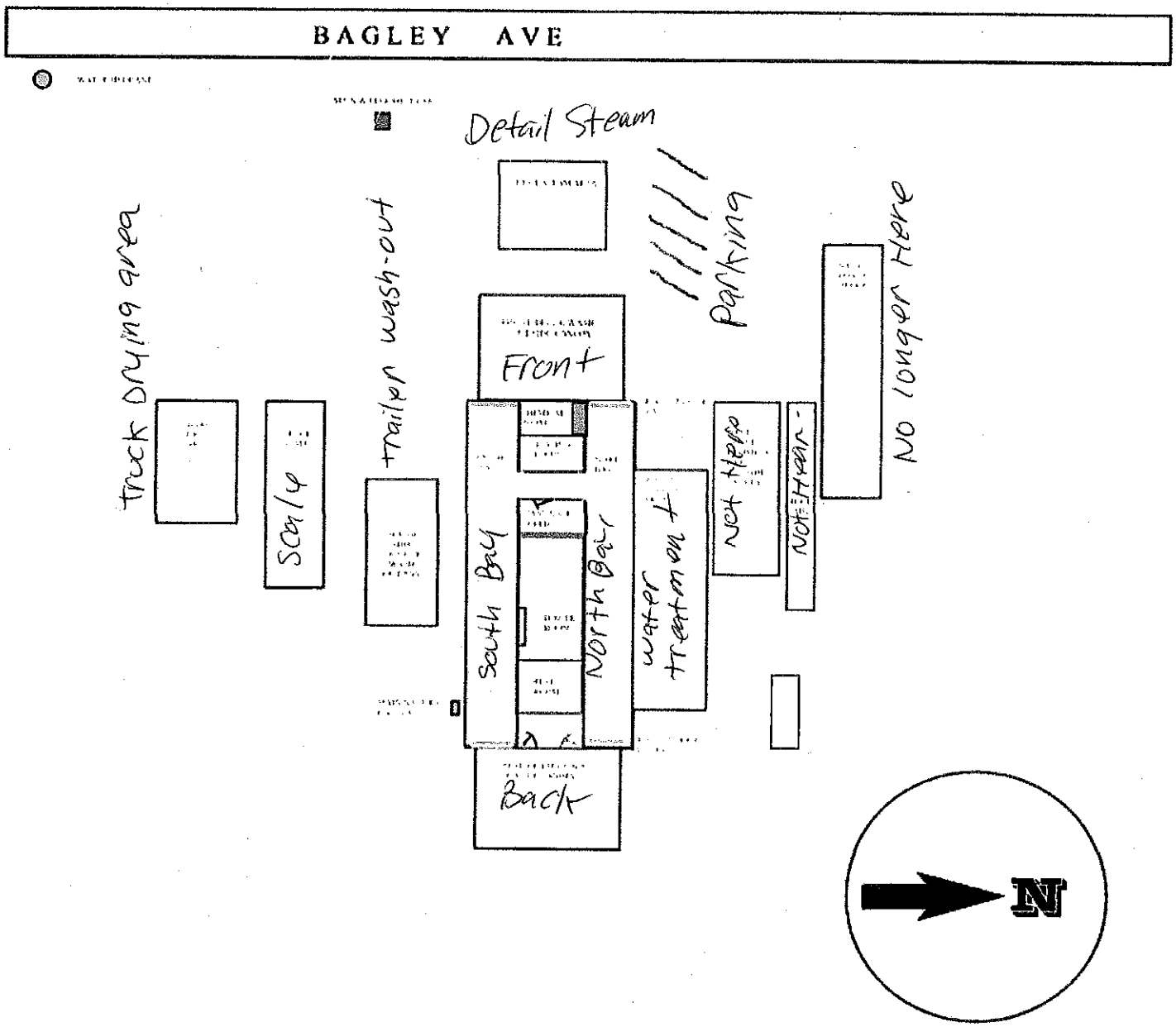
Figure 1. Pretreatment area

Figure 2. Sampling Point Location 001



Attachment 2

Site Map



GROUND FLOOR

MAIN NATURAL GAS SHUT OFF

STAIRS TO THE UPPER OFFICE FLOOR

MAIN ELECTRICAL

ROADWAY ON PROPERTY

MAIN WATER SHUT OFF

Public road

WATER HYDRANT

PARKING LOT

MAIN ENTER ROLL UP DOORS

OCCUPANT: FRESNO TRUCK WASH

ADDRESS: 4170 S. BAGLEY AVE.

FRESNO , CA 93725

STRUCTURE: STEEL SCALE

20 FEET

MALAGA COUNTY WATER DISTRICT

3580 SOUTH FRANK STREET
FRESNO, CALIFORNIA 93725
PHONE (559) 485-7353
FAX (559) 485-7319

NON-RESIDENTIAL

WASTEWATER DISCHARGE PERMIT

Permit No: 1114 **MCWD Account No:** 018

Industrial User:	Sterling Coating (Georgia-Pacific Corrugated III)	**Class:** 1	
Mailing Address:	P.O. Box 981953	Significant Industrial User	
	El Paso, TX 79998-1953	Non-Categorical	
Facility Address:	3630 E. Wawona Avenue #104	Slug Discharge Plan not required	
	Fresno, CA 93725		
Authorized Rep:	Kedar Desai	Phone No:	562-458-4912
Title:	Plant Superintendent		
Contact:	Sandy Layne	Phone No:	559-485-4900
APN:			
SIC No:	2621		
Fee:	$ 1262.78		
No. of Employees:	7		
Effective Date:	01/01/2016		
Expires:	12/31/2016	**Sewer Unit Allocation:**	13

Authorized District Signature: JPAnderson
District Manager

Issue Date: 12/15/2015

This permit authorizes the Permitee to discharge non-residential wastewater in accordance with the terms and conditions specified herein, provided that all other District requirements are met. Other District requirements include, but are not necessarily limited to, paying sewer connection fees and annexation fees and obtaining a sewer connection permit.

Industrial User Wastewater Discharge Permit

Part 1: Standard Conditions

A. Duty to Comply

The permitted Industrial User ("User") shall comply with all of the conditions of this Industrial Wastewater Discharge Permit ("Permit") and all of the provisions, terms, and requirements of the Malaga Code ("Code"), the Pretreatment Program, the Clean Water Act ("Act") and all orders, ordinances, rules, resolutions, and regulations of the District, including but not limited to connection permits and baseline discharge requirements. Failure to comply with the requirements of this permit may be grounds for enforcement action, including civil or criminal penalties, injunctive relief and summary abatements as set forth in the District's Enforcement Response Plan ("ERP").

B. Duty to Mitigate

The User shall take all reasonable steps to minimize or correct any adverse impact to the wastewater treatment system or the environment resulting from noncompliance with this Permit including such accelerated or additional monitoring and sampling or other orders as necessary to determine the nature and impact of and to correct the non-complying discharge.

C. Permit Modification

The District may modify the Permit for good cause, including but not limited to, the following reasons:

1. To incorporate any new or revised Federal, State, or local pretreatment standards or requirements;

2. To address significant alterations or additions to the User's operation, processes, or wastewater volume or character since the time of the individual wastewater discharge Permit issued;

3. A change in any process or discharge condition in either the industrial user or the POTW that requires either a temporary or permanent reduction or elimination of the authorized discharge;

4. Information indicating that the permitted discharge poses a threat to the Control Authority's collection and treatment systems, WWTF and equipment, personnel or the receiving waters;

5. Violation of any terms or conditions of the Permit;

6. Misrepresentation or failure to disclose fully all relevant facts in the Permit application or in any required reporting;

7. Revision of or a grant of variance from such categorical standards pursuant to 40 CFR 403.13;

8. To correct typographical or other errors in the Permit;

9. To reflect of the facility ownership and/or operation to a new owner/operator; or

10. Upon request of the User, provided such request does not create a violation of any applicable requirements, standards, laws, or rules and regulations.

11. The filing of a request by the User for a Permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay or modify any Permit condition.

D. <u>Retention of Records</u>

In addition to the record keeping requirements of the Malaga Code, Pretreatment program and the Act, the User shall retain records as follows:

1. The industrial user shall retain records of all monitoring information, copies of all reports required by this permit and records of all data used to complete the application for this permit, for a period of at least three years from the date of the sample, measurement, report or application. This period may be extended by the request of the District at any time.

2. All records that pertain to matters that are the subject of special orders or any other enforcement or litigation activities brought by the District shall be retained and preserved by the industrial user for three years after all enforcement activities have concluded and the time to bring any appeal(s) have expired.

E. <u>Permit Termination</u>

This Permit may be terminated for the following reasons:

1. Failure to notify the District of significant changes to the wastewater prior to the change discharge;

2. Failure to provide prior notification to the District of changed conditions;

3. Misrepresentation or failure to fully disclose all relevant facts in wastewater discharge Permit application;

4. Falsifying self-monitoring reports and/or certification statements;

5. Tampering with monitoring equipment;

6. Refusing to allow timely access to the facility premises and records;

7. Failure to meet effluent limitations;

8. Failure to pay fines;

9. Failure to pay sewer charges;

10. Failure to meet compliance schedules;

11. Failure to complete a wastewater survey and renewal form, or the wastewater discharge Permit application;

12. Failure to provide advance notice of the transfer of business ownership of a permitted facility; or

13. Violation of any pretreatment standard or requirement including required BMPs contained in the Code, or the wastewater discharge Permit, or the Pretreatment Program.

F. Notification and Reporting

1. In addition to the record keeping and reporting requirements of the Malaga Code, the Pretreatment Program, and the Act, the User shall notify the District prior to any new or changed discharge, and shall immediately notify the District at (559) 485-7353 of any wastewater discharge which is not in compliance with this Permit, or the Pretreatment Program, or the Code, or which might be reasonably judged to constitute a hazard to District personnel, the wastewater treatment system, or the environment.

2. The User shall furnish any information relating to wastewater discharge quantity and quality as required by the District, and shall comply with all reporting requirements specified in this Permit.

G. Costs and Fees

1. The User shall pay all fees required by District ordinances, including but not limited to, permit fees, connection fees, annexation fees, bond debt services charges, and sewer unit fees.

2. The User shall also pay any additional cost or expenses incurred by the District for handling and treating excess loads imposed on the treatment system and any cost or expense incurred by the District in the enforcement of the provisions of its ordinances and the correction of violations thereof.

H. Facilities

1. The User shall make wastewater acceptable under the limitations of the Code and the Pretreatment Program before discharging to the sewage system. Any facilities required to pretreat wastewater to a level acceptable to the District shall be provided and maintained at the User's expense. Detailed plans showing the pretreatment facilities and operating facilities shall be submitted to the District for review, and shall be acceptable to and approved by the District, in writing, before construction of the facility. The review of such plans and operating procedures will in no way relieve the User from the responsibility of modifying the facility as necessary to produce an effluent acceptable to the District under the provisions of the Malaga Code. Any subsequent changes in the pretreatment facilities or method of operation shall be reported to, and be approved in writing by, the District.

2. Pretreatment facilities (including sampling and flow monitoring facilities) shall be maintained in good working order and shall be operated so as to ensure continuous compliance with District ordinances, resolutions, rules and regulations, and any applicable permits by the User at the User's own cost and expense. Pretreatment facilities are at all times subject to the requirements of these rules and regulations and all other applicable codes, ordinances, and laws. Intermittent operation of pretreatment facilities except as provided for in writing by the District during discharge to the sewage system is prohibited.

3. All solids, sludge, filter backwash or other pollutants removed by pretreatment facilities shall not be discharged to the sewage system, nor allowed to enter any storm water or ground water recharge system, nor allowed to seep into the ground, but shall be stored, treated and/or disposed of in accordance with applicable County, State and Federal regulations.

I. Right of Entry

Pursuant to the provisions of the Malaga Code, the User shall allow District personnel, upon the presentation of credentials, to enter upon any property or premises, the User, by accepting any permit issued pursuant to the Code, does hereby consent and agree to the entry upon the premises, described in the Permit, by District personnel for the following purposes as required by the Permit at all reasonable times:

1. Reviewing and copying any records required to be kept under the provisions of the Malaga Code;

2. Inspecting any monitoring equipment, pretreatment facility or discharge-producing process;

3. Inspecting and/or sampling any discharge of wastewater to the wastewater facilities. District personnel may enter upon the property at any hour under emergency circumstances. In the event of such emergency entry, District personnel shall make every effort to immediately notify the User's designated agent;

4. To investigate the possible violation of the Malaga Code or Permit;

5. To photograph any waste, waste container, vehicle, waste treatment process, discharge location, or violation discovered during an inspection.

6. Users shall cooperate at all times with authorized District personnel in the inspection, sampling and study of the User's facilities and wastewater.

J. Duration

The terms and conditions of this Permit shall remain in effect until either:

1. The Permit is modified;

2. The Permit is revoked;

3. The Permit expires and cause is determined for non-renewal of the Permit;

4. Failure of the District to act upon a valid Permit application or renewal application shall allow for automatic extension of operations under existing Permit conditions until such District action is complete.

5. Failure of the District to act upon a valid Permit application or renewal application shall allow for automatic extension of operations under existing Permit conditions until such District action is complete.

6. This Permit allows the User to operate only one industrial wastewater discharge point to the sewer collection system.

K. Severability

The provisions of this Permit are severable, and if any provisions of this Permit or the application of any provision of this Permit to any circumstances is held invalid, the application of such provision to other circumstances and the remainder of the Permit shall not be affected hereby.

L. Transferability

This Permit shall not be reassigned, transferred, or sold to a new owner, new user, different premises, or to a new or changed operation.

M. Enforcement and Penalties

Failure to comply with any of the provisions of this Permit, the Malaga Code, or applicable State or Federal laws or regulations may result in any or all of the following actions:

1. Administrative actions including but not limited to Notices of Violation, Administrative Orders, Administrative Citations, Administrative Complaints, Administrative Hearings, Governing Board Hearings, Compliance Orders, Orders to Show Cause and civil penalties in an amount of not less than one thousand dollars ($1,000) per day, per violation;

2. Legal actions including but not limited to preliminary or permanent injunctions, or both;

3. Civil and/or criminal penalties;

4. Permit revocation;

5. Temporary or permanent disconnection from the District's sewerage system;

6. Water supply severance.

N. Appeals

Any User affected by any decision, action, or determination, including Administrative Orders, issued by the District, interpreting or implementing he provisions of The Malaga Code or any permit or Order issued thereunder, may file with the District a written request for reconsideration within ten (10) days of such decision, action, or determination, setting forth in detail in facts supporting the User's request for reconsideration.

If the ruling made by the Manager is unsatisfactory to the person requesting reconsideration, this person may, within ten (10) days after notification of District action, file a written appeal to the District's Board of Directors. The written appeal shall be heard by the body within sixty (60) days from the date of filing. The District's Board of Directors shall make a final ruling on the appeal within ten (10) days of the close of the meeting. The Manager's decision, action, or determination shall remain in effect during such period of reconsideration.

Any User aggrieved by a final order issued by the Board of Directors may obtain review of the order of the Board in the Superior Court by filing in the court a petition for writ of

mandate within thirty (30) days following the service of a copy of a decision and order issued by the Board.

If no aggrieved party petitions for writ of mandate within the time provided by this section, an order of the Board shall not be subject to review by any court or agency, except that the Board may grant review on its own motion after the expiration of the time limits.

O. Definitions

The following definitions below are intended to serve only as references to the definitions contained within the Malaga Code and do not overwrite any of those aforementioned definitions.

1. Composite Sample. A representative sample, formed either by continuous sampling or by mixing discrete samples. The sample may be composited either as a:

    i. Time based composite sample: composed of discrete sample aliquots collected in one container at constant time intervals providing representative samples irrespective of stream flow; or a

    ii. flow-proportional composite sample: collected either as a constant sample volume at time intervals proportional to stream flow, or collected by increasing the volume of each aliquot as the flow increases while maintaining a constant time interval between the aliquots.

2. Daily Maximum. The maximum allowable discharge limit of a pollutant expressed in units of mass per day. Where daily maximum limits are expressed in terms of a concentration, the daily discharge is the arithmetic average measurement of the pollutant concentration derived from all measurements taken that day.

3. Grab Sample. An individual sample collected without regard for flow or time.

4. Instantaneous Maximum Concentration. The maximum concentration allowed in any single grab sample.

5. Cooling Water. Either,

    i. Uncontaminated – Water used for cooling purposes only which has no direct contact with any raw material, intermediate, or final product and which does not contain a level of contaminants detectably higher than that of the intake water.

ii. Contaminated – Water used for cooling purposes only which may become contaminated either through the use of water treatment chemicals used for corrosion inhibitors or biocides, or by direct contact with process materials and/or wastewater.

6. Monthly Average. The arithmetic mean of the values for effluent samples collected during a calendar month or specified 30 day period (as opposed to a rolling 30 day window). Compliance with the monthly average discharge limit is required regardless of the number of samples collected and analyzed.

7. Bi-Weekly. Once every other week.

8. Bi-Monthly. Once every other month.

9. Upset. An exceptional incident resulting in temporary and unintentional non-compliance because of factors beyond the reasonable control of the discharger.

10. Bypass. Means the diversion of wastes from any portion of a pretreatment process or facility.

11. Slug Discharge. Any discharge of a non-routine, episodic nature, including but not limited to an accidental spill or a non-customary batch discharge, which has a reasonable potential to cause interference or pass through, or in any other way violate the POTW's regulations, local limits or permit conditions.

12. Batch Discharge. A single, episodic discharge of accumulated waste, as opposed to a continuous, uninterrupted flow of waste material.

P. Dilution

The User shall not increase the use of potable water or process water or, in any way, attempt to dilute a discharge as a partial or complete substitute for adequate treatment to achieve compliance with a discharge limitation unless expressly authorized by an applicable Pretreatment Standard or Requirement. The District may impose mass limitations to meet applicable Pretreatment Standards or requirements, or in other cases when the imposition of mass limitations is appropriate.

Part 2: Discharge prohibitions and Limitations

A. Standard Discharge Prohibitions

The User shall comply with all discharge prohibitions and limitations specified in the Malaga Code, the Pretreatment Program, and this Permit. Prohibitions include but are not limited to:

1. Any materials that may cause interference or pass through;

2. Oils and Grease in any amounts that may cause an obstruction in the sewer collection system;

3. Explosive mixtures;

4. Noxious materials;

5. Shredded garbage;

6. Solid or viscous waste that cause an obstruction or decrease flow in the sewer collection system to less than two feet per second;

7. Slug loads not coordinated with the District by a Slug Control Plan;

8. Toxic or hazardous materials;

9. Unpolluted waters;

10. Wastes with objectionable color or odor;

11. Corrosive waste;

12. Trucked or hauled waste;

13. Sludges, screenings, or other residues from wastewater pretreatment;

14. Medical wastes;

15. Detergents, surface active agents, or other substances that may cause excessive foaming at the WWTF;

16. Any substance that will interfere or upset the treatment process at the WWTF;

17. Any substance that may result in the WWTF exceeding NPDES permit limits.

18. Any bypass as defined in Part 1(O)(10) of this permit.

B. Discharge Local Limits

1.

Parameter	Discharge Local Limit	Specific Conditions
pH	6.0 - 9.0	pH is an instantaneous reading and cannot be averaged
Electrical Conductivity (EC)	950 µmhos/cm	Monthly average
Biochemical Oxygen Demand (BOD)	1,000 mg/L	Monthly average
Suspended Solids	1,000 mg/L	Monthly average
Chemical Oxygen Demand (COD)	1,000 mg/L	Monthly average
Oil and Greases	100 mg/L	Monthly average

A User which has a flow volume of less than 3,000 gallons per day or less than 45,000 gallons per month shall have a maximum concentration limit for Electrical Conductivity of 7,000 µmhos/cm except that such discharge shall not be an incompatible Pollutant nor shall it pass through the POTW or interfere with the POTW.

2. Animal and vegetable (polar) O&G not greater than 300 mg/l;

3. Discharge of the following Pollutants of Concern (POC's) above Local Limits:

Pollutant	Local Limit
Iron	1.0 mg/l as a monthly average
Lead	5.0 mg/l as a monthly average
Silver	5.0 mg/l as a monthly average
Arsenic	5.0 mg/l as a monthly average
Benzene	5.0 mg/l as a monthly average
Phenols	1.0 mg/l as a monthly average
Cadmium	0.10 mg/l as a monthly average
Zinc	5.0 mg/l as a monthly average
Chromium	5.0 mg/l as a monthly average
Copper	5.0 mg/l as a monthly average
Aluminum	5.0 mg/l as a monthly average
Mercury	0.20 mg/l as a monthly average
Barium	10.0 mg/l as a monthly average
Nickel	5.0 mg/l as a monthly average
Selenium	1.0 mg/l as a monthly average
Boron	8.0 mg/l as a monthly average
Chloride	
Cyanide	
Ammonia, as N	
Nitrite + Nitrate, as N	
Phosphorus	
Fluoride	
Diazinon	
Calcium	

Magnesium

4. Discharge of wastewater that:

   i. Contains solids that will not pass through a 20 per square inch mesh;

   ii. Has a temperature greater than 104 degrees Fahrenheit;

   iii. Has an alkalinity that is greater or less than 10% of source water;

Part 3: Monitoring and Reporting Requirements

A. General Monitoring Requirements

1. The Manager may require any User to monitor wastewater discharge and submit monitoring reports to the District, at a frequency specified by the District.

2. The User shall comply with all monitoring requirements specified in this Permit or otherwise required, in writing, by the District.

3. Flow monitoring and sampling equipment may be required and shall comply with all applicable provisions of this Permit and the Malaga Code.

4. If required, laboratory analysis of industrial wastewater samples shall be performed in accordance with the approved test procedures specified in 40CFR136 unless otherwise authorized, in writing, by the District.

5. If required, all samples must be collected, preserved, and analyzed in accordance with the procedures established in 40 CFR Part 136, and amendments.

6. If required, the User shall have an automated sampler that shall be maintained in accordance with manufacturer's recommendations, shall be cleaned once per month when in use, and samples shall be maintained at 4.0°C (±2.0°C).

7. If required, the User shall operate and maintain an effluent flowmeter, have it electronically calibrated annually and hydraulically calibrated every three years by a recognized professional in flowmeter testing and repair, and provide proof of calibration to the District prior to July 31 annually.

8. If required, continuous on-line monitoring equipment shall be maintained and calibrated in accordance with manufacturer's specifications.

9. If required, to install, operate and maintain at User's cost and expense an automatic, permanent wastewater flow monitoring system approved by the District which provides a primary flow measuring device, indication, recording

and totalizing of flow and a signal generating device that can be used to activate the District's and other automatic samplers.

10. If required, to install, operate and maintain at User's cost and expense an automatic wastewater sampling system approved by the District which provides a flow proportional composite sample, a sample volume of not less than two liters, refrigerated storage and self-purging capability.

11. If required, to install, operate and maintain at User's cost and expense an automatic pH recording system approved by the District which provides a pH recording instrument and a pH probe located downstream of all Pretreatment operations and just before discharge to the sewage system.

12. If required, to install, operate and maintain at User's cost and expense a batch pH neutralization system approved by the District which provides a storage facility for wastewater of pH less than 6.0 or greater than 9.0, a pH measuring device, neutralizing agent and a permanently bound record of pH neutralization before discharge to the sewage system.

13. If required, to install, operate and maintain at User's cost and expense an automatic pH recording and control system approved by the District which provides a pH recording instrument, a pH probe located downstream of all Pretreatment operations and just before discharge into the sewage system, storage for a neutralizing agent, a neutralization chamber, a continuous neutralizing agent injection system activated by pH level and adequate agitation.

B. Sampling Point Location

1. The Sampling Point Location shall be designated at the following location:

Sampling Point Location Name	Location Description
001	The sampling point shall be the final barrel containing a float switch. This barrel proceeds from the filter press and is linked to a pipe that is connected to the collection system. See attachments.

2. **Both the User and the District personnel are required to sample from the same sampling point location (001).**

C. Specific Monitoring and Sampling Requirements

1.

Parameter	Units	Sample Type	Monitoring Frequency	Reporting Frequency	Chain of Custody Required
Flow	Gallons	Metered	Per batch discharge	1/quarter	No
Electrical Conductivity	µmhos/cm	Grab	One batch per quarter	1/quarter	Yes
pH	Standard Units	Grab	One batch per quarter	1/quarter	Yes
BOD	mg/L	Grab	One batch per quarter	1/quarter	Yes
TSS	mg/L	Grab	One batch per quarter	1/quarter	Yes
Ammonia	mg/L	Grab	One batch per quarter	1/quarter	Yes
Zinc	mg/L	Grab	One batch per quarter	1/quarter	Yes
Pollutants of Concern (POC)	mg/L	Grab	1 batch per year	1/year	Yes

2. For reports requiring a Chain of Custody, analysis must be performed by a laboratory that is certified for water and wastewater analysis by the State of California, Department of Health Services Environmental Laboratory Accreditation Program (ELAP). The Chain of Custody form shall be attached to the report.

3. Reports are to be submitted no later than 25 calendar days following the end of the quarter period.

4. Quarterly reports shall be submitted after three consecutive months. For example, a report monitoring for the months of January through March shall be due the following month (April 25th).

5. Annually shall mean anytime throughout the course of a calendar year and due no later than the end of December.

D. The User is required to submit an annual monitoring report of the following Pollutants of Concern (POC's) listed below:

1. Ammonia, as N
2. Nitrite + Nitrate, as N
3. Oil and Grease (HEM-polar)
4. Oil And Grease (Petroleum-non polar)
5. Alkalinity
6. Hardness
7. Calcium
8. Magnesium
9. Boron
10. Chloride
11. Cyanide
12. Phosphorus
13. Fluoride
14. Diazinon
15. Iron
16. Lead
17. Silver
18. Arsenic
19. Benzene
20. Phenols
21. Cadmium
22. Zinc
23. Chromium
24. Copper
25. Aluminum
26. Mercury
27. Barium
28. Nickel
29. Selenium

E. Priority Pollutants

The User must submit a toxic organics management plan (TOMP) to the District for approval. Preparation of the TOMP must be done in accordance with EPA regulations and approved by the District. If approved, the User may submit the certification statement as set forth in Part 3.5.a of this Permit. The TOMP shall be submitted to the District no later than March 1, 2016.

F. Reporting Requirements

1. The District may require any User to submit monitoring reports in a format and at a frequency specified by the General Manager. The User shall comply with all reporting requirements specified in this Permit or otherwise required, in writing, by the District and all monitoring and reporting requirements of the Malaga Code.

2. All Users subject to Federal categorical pretreatment standards shall comply with all applicable reporting requirements specified in 40CFR403.12.

3. The User shall immediately notify the District prior to any new or changed discharge, and shall immediately notify the District (phone 559-485-7353) of any wastewater discharge which is not in compliance with the Permit or the Malaga Code, or which might be reasonably judges to constitute a hazard to District personnel, the wastewater treatment system, or the environment.

4. User shall immediately notify the District of any changes that occur at the facility affecting the potential for a Slug Discharge so that the POTW may reevaluate the need for a Slug Control Plan or other actions to prevent such Discharges.

5. The User shall provide a site plan showing the location of all wastewater treatment facilities (grease traps, sand separators, etc.)

6. User shall monitor grease traps weekly and record scum and solids levels.

7. Users shall maintain a District approved hazardous waste inventory accounting system which includes a bound log book containing permanent entries that account, either by mass or by volume, for the disposition of substances prohibited by the Malaga Code or this Permit.

8. Users shall keep waste hauler reports on file for a period of three years.

9. User shall maintain a manifest from all trucks washed at a truck wash facility. A copy of the manifest shall be submitted to the District on demand to confirm the contents of trucks washed out.

10. Users shall maintain a log of all wastewater and solids removed from the premise, to include the destination of the hauled materials. Submit copies of the log on a quarterly basis to MCWD for the first year and annually thereafter.

11. Monitoring results obtained must be summarized and reported in a format acceptable to the District.

12. Reports for parameters with a continuous monitoring frequency must be submitted monthly. The reports are due within 15 days after the end of each calendar month.

13. Reports for parameters with a designated monitoring frequency must be submitted within 15 days after the reporting period.

14. All monitoring reports must indicate the nature and concentration of all pollutants in the effluent for which sampling and analysis were performed

during the reporting period preceding the submission of each report, including measured maximum and average daily flows.

15. All reports required by this Permit must be submitted to the Malaga County Water District at the following address:

Malaga County Water District
Environmental Compliance Inspector
3580 S. Frank Street
Fresno, CA 93725

G. Recordkeeping.

Users subject to the reporting requirements of this Code shall retain, and make available for inspection and copying, all records of information obtained pursuant to any monitoring activities required by this Code, any additional records of information obtained pursuant to monitoring activities undertaken by the User independent of such requirements, and documentation associated with Best Management Practices established under this Code. Records shall include the date, exact place, method, and time of sampling, and the name of the person(s) taking the samples; the dates analyses were performed; who performed the analyses; the analytical techniques or methods used; and the results of such analyses. These records shall remain available for a period of at least three (3) years. This period shall be automatically extended for the duration of any litigation concerning the User or the District, or where the User has been specifically notified of a longer retention period by the General Manager, or his or her designee.

H. Certification Statements

1. The User is required to sign and submit the following certification statement if granted use of a Toxic Organic Management Plan in lieu of reporting Priority Pollutants:

"Based on my inquiry of the permit or persons directly responsible for managing compliance with the pretreatment standard for Priority Pollutants (PP's), I certify that, to the best of my knowledge and belief, no dumping of concentrated priority pollutant toxic organics into the wastewaters has occurred since filing of the last discharge monitoring report. I further certify that this facility is implementing the Toxic Organic Management Plan submitted to the Control Authority."

2. The User is required to sign and submit the following certification statement with all monitoring reports:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are

signification penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

3. All reports required by this Permit must be submitted to the Malaga County Water District at the following address:

   Malaga County Water District
   Environmental Compliance Inspector
   3580 S. Frank Street
   Fresno, CA 93725

I. Annual Publication

As required by the Act, the District's Pretreatment Program, and the Malaga Code, a list of all industries which were in significant noncompliance of applicable federal pretreatment standards or other pretreatment requirements during the twelve (12) previous months shall be annually published by the District in the largest daily newspaper within its service area. Accordingly, the User is apprised that noncompliance with this permit may lead to an enforcement action and may result in publication of its name in an appropriate newspaper. For purposes of this provision, significant noncompliance is defined under 40 CFR 403.8 (f)(2)(vii).

Part 4: Other Conditions

A. Automatic Re-sampling

If the results of the User's wastewater analysis indicate that a violation of this Permit has occurred, the User must:

1. Inform the Malaga County Water District of the violation within 24 hours;

2. Repeat sampling and pollutant analysis and submit, in writing, the results of this second analysis within 30 days of becoming aware if the first violation;

3. Continue repeat sampling until it is determined that the violation has ceased.

4. Pursuant to the provisions of the Malaga Code, the District shall have the ability to sample and analyze any time the District deems appropriate.

B. Accidental Discharge and Reporting

The user must notify the Malaga County Water District immediately upon the occurrence of spills, including, but not limited to, accidental discharges, discharges of a nonroutine, episodic nature, a noncustomary batch discharge, slug loads or slug

discharges, that might potential problems for the POTW, or spills that might enter the public sewer. During normal business hours the Malaga County Water District should be notified by telephone at 559-485-7353. The notification must include location of discharge; date and time of discharge; type of waste, including concentration and volume; and corrective actions taken. The User's notification of accidental release in accordance with this section does not relieve it of other reporting requirements that arise under local, state, or federal laws.

Within 5 days following an accidental discharge, the User shall submit to the District Malaga County Water a detailed written report. The report must specify:

1. Description and cause of the upset, slug load, or accidental discharge; the cause thereof; and the impact on the User's compliance status. The description should also include location of discharge and type, concentration, and volume of waste.

2. Duration of noncompliance, including exact dates and times of noncompliance and, if the noncompliance is continuing, the time by which compliance is reasonably expected to occur.

3. All steps taken or to be taken to reduce, eliminate, and/or prevent recurrence of such an upset, slug load, accidental discharge, or other conditions of noncompliance.

C. <u>Pretreatment Systems</u>

1. The District may require Users to install and operate at their own expense the following pretreatment systems:

    i. A grease interceptor approved by the District which (a) prevents excessive grease and oil from entering the sewage system (b) provides at least 1250 gallons storage capacity, at least two compartments, baffles to retain floatable greases and oils and a sampling port and (c) excludes any Sanitary Wastewater from entering the interceptor.

    ii. A grit interceptor approved by the District which (a) prevents sand and settleable grit from entering the sewage system (b) provides a 30-minute detention time base on peak wastewater rate, a minimum capacity of 500 gallons, at least two compartments, baffles to reduce wastewater velocity sufficiently to settle sand and grit and (c) excludes any sanitary wastewater from entering the interceptor.

2. Use of the following pretreatment systems shall not violate any portion of the Malaga Code nor inhibit wastewater treatment systems:

iii. To operate and maintain any garbage grinders in a manner which prevents discharge of wastewater in violation of the Malaga Code.

iv. To operate and maintain any water softening units in strict accordance with manufacturer's instructions and in a manner to minimize salts discharge into sewage system.

D. Removed Substances

1. Solids, sludges, filter backwash or other pollutants removed from wastewater in the course of pretreatment or the control of wastewater must be disposed of in accordance with section 405 of the Clean Water Act and Subtitles C and D of the Resource Conservation and recovery Act.

2. Removed Substances shall not be allowed to enter the sewer collection system, nor any storm drain, nor any outfall or drain which leads to a storm water collection system or a water catchment system intended for ground water recharge purposes.

3. Removed substances shall not be retained on the property of the User and shall be properly disposed of as indicated above.

E. Slug Discharge Control Requirements

The User is required to submit and implement a slug discharge control plan if directed by the District. Determination of the requirement for a slug discharge plan shall be made during an initial facility inspection by the District. If it is determined that due to batch discharge or plug flow the WWTF could be hydraulically or biologically overloaded, a slug discharge plan shall be developed and implemented. The slug discharge control plan must include, at a minimum, the following:

1. Description of discharge practices, including non-routine batch discharges.

2. Description of stored chemicals.

3. Procedures for immediately notifying the Malaga County Water District of slug discharges, including any discharge that would violate prohibition under 40CFR 403.5(b), with procedures for follow-up written notification within five days.

4. Procedure to limit any impact on maximum allowable head works loading of the WWTF.

5. Procedures to prevent adverse impact from accidental spills, including inspection and maintenance of storage areas, handling and transfer of

materials, loading and unloading operations, control of plant site runoff, worker training, building of containment structures or equipment, measures for containing toxic organic pollutants, and measures and equipment for emergency response.

F. Compliance Schedule

Pursuant to the Enforcement Response Plan, the following levels of escalating enforcement and administrative citations have been established:

1. Warning Notice, and any associated Notices of Non-Compliance;

2. Notice of Violation, and any associated Notices of Non-Compliance;

3. Consent Order, and any associated Notices of Non-Compliance;

4. Compliance Order, and any associated Notices of Non-Compliance; and

5. Show Cause Order, and any associated Notices of Non-Compliance.

i. In the event of any notice or order for compliance, a schedule for compliance shall be included. The User is responsible to meet the schedule for compliance, and shall be penalized according to the provisions of the Enforcement response Plan for failing to do so.

ii. No later than 14 days following the date of the notice or order, the user must submit to the Malaga County Water District a written report including, at a minimum, whether it complied with the increment of progress to be met on such date and, if not, the date on which it expects to comply with the increment of progress, the reasons for delay, and the steps being taken to return the project to the schedule established.

G. Potential Non-Compliance

The User must immediately inform the District in the event of the potential for non-compliance for any known reason. Failure to report the potential for non-compliance may result in a harsher penalty for a non-compliance event that was known to pre-exist.

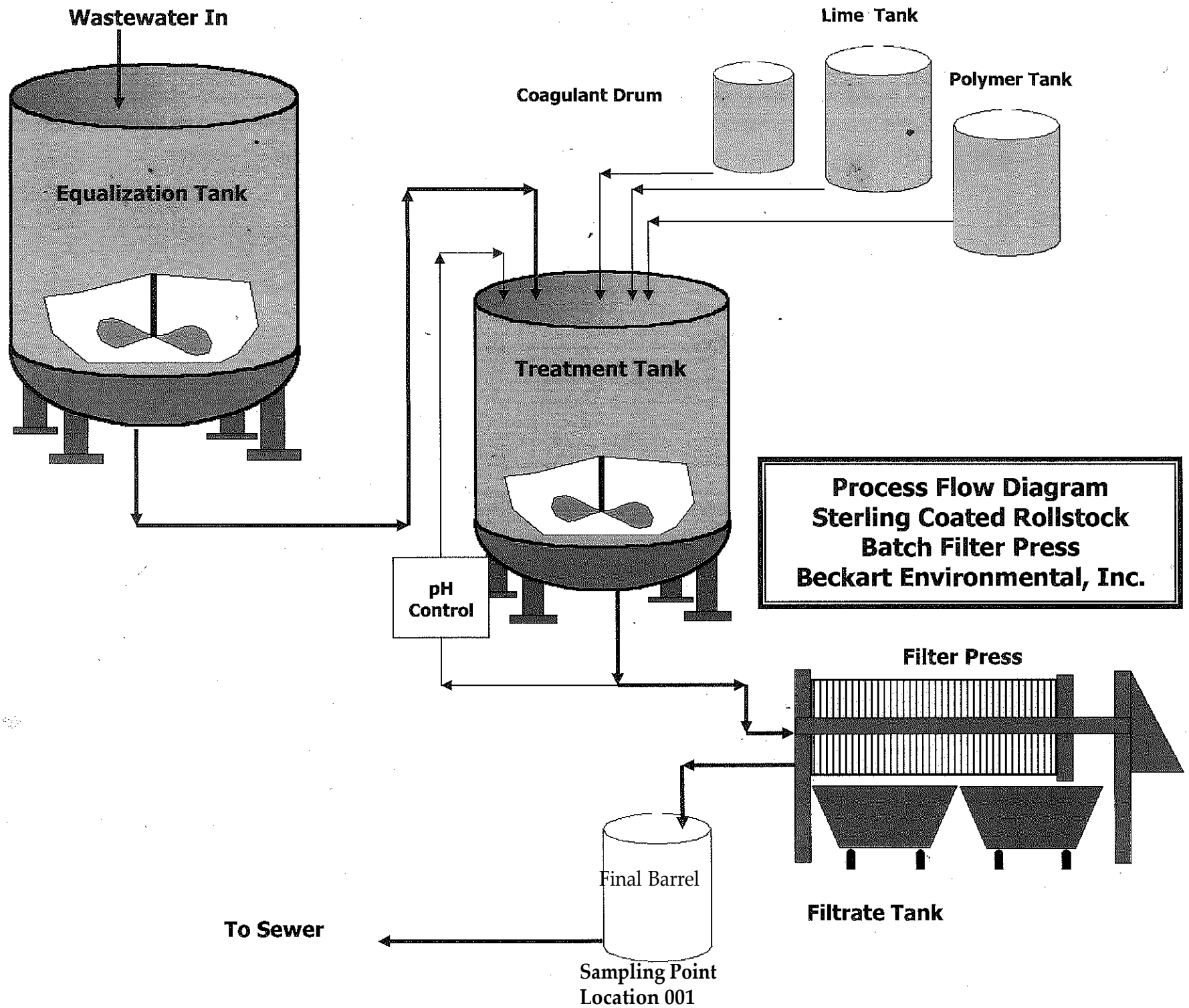
Part 5: Failure to Meet Discharge Limits

Users that absolutely cannot meet, due to their nature of discharge, local limits or discharge limits contained within the Act, after having installed best available pretreatment systems, are required to have their wastewater hauled off to another disposal site.

Attachment 1

Sampling Point Location 001

Description: The sampling point shall be the final barrel containing a float switch. This barrel proceeds from the filter press and is linked to a pipe that is connected to the collection system.


Wastewater In
Lime Tank
Polymer Tank
Coagulant Drum
Equalization Tank
Treatment Tank
pH Control
Process Flow Diagram
Sterling Coated Rollstock
Batch Filter Press
Beckart Environmental, Inc.
Filter Press
Final Barrel
Filtrate Tank
To Sewer
Sampling Point
Location 001

MALAGA COUNTY WATER DISTRICT

3580 SOUTH FRANK STREET
FRESNO, CALIFORNIA 93725
PHONE (559) 485-7353
FAX (559) 485-7319

NON-RESIDENTIAL

WASTEWATER DISCHARGE PERMIT

Permit No: 1205 **MCWD Account No:** 022-4

Industrial User:	Imperial Truck Wash	**Class:** 1	
Mailing Address:	2635 E. North Avenue	Significant Industrial User	
	Fresno, CA 93725	Non-Categorical	
Facility Address:	2635 E. North Avenue	Slug Discharge Plan not required	
	Fresno, CA 93725		
Authorized Rep:	Endo Singh	**Phone No:**	209-872-4117
Title:	Owner		
Contact:	Inderjit Singh	**Phone No:**	559-442-8500
APN:			
SIC No:			
Fee:	$ 1262.78		
No. of Employees:	4		
Effective Date:	01/01/2016		
Expires:	12/31/2016	**Sewer Unit Allocation:**	10

Authorized District Signature: _____ Issue Date: 12/15/2015
District Manager

This permit authorizes the Permitee to discharge non-residential wastewater in accordance with the terms and conditions specified herein, provided that all other District requirements are met. Other District requirements include, but are not necessarily limited to, paying sewer connection fees and annexation fees and obtaining a sewer connection permit.

Industrial User Wastewater Discharge Permit

Part 1: Standard Conditions

A. Duty to Comply

The permitted Industrial User ("User") shall comply with all of the conditions of this Industrial Wastewater Discharge Permit ("Permit") and all of the provisions, terms, and requirements of the Malaga Code ("Code"), the Pretreatment Program, the Clean Water Act ("Act") and all orders, ordinances, rules, resolutions, and regulations of the District, including but not limited to connection permits and baseline discharge requirements. Failure to comply with the requirements of this permit may be grounds for enforcement action, including civil or criminal penalties, injunctive relief and summary abatements as set forth in the District's Enforcement Response Plan ("ERP").

B. Duty to Mitigate

The User shall take all reasonable steps to minimize or correct any adverse impact to the wastewater treatment system or the environment resulting from noncompliance with this Permit including such accelerated or additional monitoring and sampling or other orders as necessary to determine the nature and impact of and to correct the non-complying discharge.

C. Permit Modification

The District may modify the Permit for good cause, including but not limited to, the following reasons:

1. To incorporate any new or revised Federal, State, or local pretreatment standards or requirements;

2. To address significant alterations or additions to the User's operation, processes, or wastewater volume or character since the time of the individual wastewater discharge Permit issued;

3. A change in any process or discharge condition in either the industrial user or the POTW that requires either a temporary or permanent reduction or elimination of the authorized discharge;

4. Information indicating that the permitted discharge poses a threat to the Control Authority's collection and treatment systems, WWTF and equipment, personnel or the receiving waters;
5. Violation of any terms or conditions of the Permit;

6. Misrepresentation or failure to disclose fully all relevant facts in the Permit application or in any required reporting;

7. Revision of or a grant of variance from such categorical standards pursuant to 40 CFR 403.13;

8. To correct typographical or other errors in the Permit;

9. To reflect of the facility ownership and/or operation to a new owner/operator; or

10. Upon request of the User, provided such request does not create a violation of any applicable requirements, standards, laws, or rules and regulations.
11. The filing of a request by the User for a Permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay or modify any Permit condition.

D. <u>Retention of Records</u>

In addition to the record keeping requirements of the Malaga Code, Pretreatment program and the Act, the User shall retain records as follows:

1. The industrial user shall retain records of all monitoring information, copies of all reports required by this permit and records of all data used to complete the application for this permit, for a period of at least three years from the date of the sample, measurement, report or application. This period may be extended by the request of the District at any time.

2. All records that pertain to matters that are the subject of special orders or any other enforcement or litigation activities brought by the District shall be retained and preserved by the industrial user for three years after all enforcement activities have concluded and the time to bring any appeal(s) have expired.

E. <u>Permit Termination</u>

This Permit may be terminated for the following reasons:

1. Failure to notify the District of significant changes to the wastewater prior to the change discharge;

2. Failure to provide prior notification to the District of changed conditions;

3. Misrepresentation or failure to fully disclose all relevant facts in wastewater discharge Permit application;

4. Falsifying self-monitoring reports and/or certification statements;

5. Tampering with monitoring equipment;

6. Refusing to allow timely access to the facility premises and records;

7. Failure to meet effluent limitations;

8. Failure to pay fines;

9. Failure to pay sewer charges;

10. Failure to meet compliance schedules;

11. Failure to complete a wastewater survey and renewal form, or the wastewater discharge Permit application;

12. Failure to provide advance notice of the transfer of business ownership of a permitted facility; or

13. Violation of any pretreatment standard or requirement including required BMPs contained in the Code, or the wastewater discharge Permit, or the Pretreatment Program.

F. Notification and Reporting

1. In addition to the record keeping and reporting requirements of the Malaga Code, the Pretreatment Program, and the Act, the User shall notify the District prior to any new or changed discharge, and shall immediately notify the District at (559) 485-7353 of any wastewater discharge which is not in compliance with this Permit, or the Pretreatment Program, or the Code, or which might be reasonably judged to constitute a hazard to District personnel, the wastewater treatment system, or the environment.

2. The User shall furnish any information relating to wastewater discharge quantity and quality as required by the District, and shall comply with all reporting requirements specified in this Permit.

G. Costs and Fees

1. The User shall pay all fees required by District ordinances, including but not limited to, permit fees, connection fees, annexation fees, bond debt services charges, and sewer unit fees.

2. The User shall also pay any additional cost or expenses incurred by the District for handling and treating excess loads imposed on the treatment system and any cost or expense incurred by the District in the enforcement of the provisions of its ordinances and the correction of violations thereof.

H. Facilities

1. The User shall make wastewater acceptable under the limitations of the Code and the Pretreatment Program before discharging to the sewage system. Any facilities required to pretreat wastewater to a level acceptable to the District shall be provided and maintained at the User's expense. Detailed plans showing the pretreatment facilities and operating facilities shall be submitted to the District for review, and shall be acceptable to and approved by the District, in writing, before construction of the facility. The review of such plans and operating procedures will in no way relieve the User from the responsibility of modifying the facility as necessary to produce an effluent acceptable to the District under the provisions of the Malaga Code. Any subsequent changes in the pretreatment facilities or method of operation shall be reported to, and be approved in writing by, the District.

2. Pretreatment facilities (including sampling and flow monitoring facilities) shall be maintained in good working order and shall be operated so as to ensure continuous compliance with District ordinances, resolutions, rules and regulations, and any applicable permits by the User at the User's own cost and expense. Pretreatment facilities are at all times subject to the requirements of these rules and regulations and all other applicable codes, ordinances, and laws. Intermittent operation of pretreatment facilities except as provided for in writing by the District during discharge to the sewage system is prohibited.

3. All solids, sludge, filter backwash or other pollutants removed by pretreatment facilities shall not be discharged to the sewage system, nor allowed to enter any storm water or ground water recharge system, nor allowed to seep into the ground, but shall be stored, treated and/or disposed of in accordance with applicable County, State and Federal regulations.

I. Right of Entry

Pursuant to the provisions of the Malaga Code, the User shall allow District personnel, upon the presentation of credentials, to enter upon any property or premises, the User, by accepting any permit issued pursuant to the Code, does hereby consent and agree to the entry upon the premises, described in the Permit, by District personnel for the following purposes as required by the Permit at all reasonable times:

1. Reviewing and copying any records required to be kept under the provisions of the Malaga Code;

2. Inspecting any monitoring equipment, pretreatment facility or discharge-producing process;

3. Inspecting and/or sampling any discharge of wastewater to the wastewater facilities. District personnel may enter upon the property at any hour under emergency circumstances. In the event of such emergency entry, District personnel shall make every effort to immediately notify the User's designated agent;

4. To investigate the possible violation of the Malaga Code or Permit;

5. To photograph any waste, waste container, vehicle, waste treatment process, discharge location, or violation discovered during an inspection.

6. Users shall cooperate at all times with authorized District personnel in the inspection, sampling and study of the User's facilities and wastewater.

J. Duration

The terms and conditions of this Permit shall remain in effect until either:

1. The Permit is modified;

2. The Permit is revoked;

3. The Permit expires and cause is determined for non-renewal of the Permit;

4. Failure of the District to act upon a valid Permit application or renewal application shall allow for automatic extension of operations under existing Permit conditions until such District action is complete.

5. Failure of the District to act upon a valid Permit application or renewal application shall allow for automatic extension of operations under existing Permit conditions until such District action is complete.

6. This Permit allows the User to operate only one industrial wastewater discharge point to the sewer collection system.

K. Severability

The provisions of this Permit are severable, and if any provisions of this Permit or the application of any provision of this Permit to any circumstances is held invalid, the application of such provision to other circumstances and the remainder of the Permit shall not be affected hereby.

L. Transferability

This Permit shall not be reassigned, transferred, or sold to a new owner, new user, different premises, or to a new or changed operation.

M. Enforcement and Penalties

Failure to comply with any of the provisions of this Permit, the Malaga Code, or applicable State or Federal laws or regulations may result in any or all of the following actions:

1. Administrative actions including but not limited to Notices of Violation, Administrative Orders, Administrative Citations, Administrative Complaints, Administrative Hearings, Governing Board Hearings, Compliance Orders, Orders to Show Cause and civil penalties in an amount of not less than one thousand dollars ($1,000) per day, per violation;

2. Legal actions including but not limited to preliminary or permanent injunctions, or both;

3. Civil and/or criminal penalties;

4. Permit revocation;

5. Temporary or permanent disconnection from the District's sewerage system;

6. Water supply severance.

N. Appeals

Any User affected by any decision, action, or determination, including Administrative Orders, issued by the District, interpreting or implementing he provisions of The Malaga Code or any permit or Order issued thereunder, may file with the District a written request for reconsideration within ten (10) days of such decision, action, or determination, setting forth in detail in facts supporting the User's request for reconsideration.

If the ruling made by the Manager is unsatisfactory to the person requesting reconsideration, this person may, within ten (10) days after notification of District action, file a written appeal to the District's Board of Directors. The written appeal shall be heard by the body within sixty (60) days from the date of filing. The District's Board of Directors shall make a final ruling on the appeal within ten (10) days of the close of the meeting. The Manager's decision, action, or determination shall remain in effect during such period of reconsideration.

Any User aggrieved by a final order issued by the Board of Directors may obtain review of the order of the Board in the Superior Court by filing in the court a petition for writ of

mandate within thirty (30) days following the service of a copy of a decision and order issued by the Board.

If no aggrieved party petitions for writ of mandate within the time provided by this section, an order of the Board shall not be subject to review by any court or agency, except that the Board may grant review on its own motion after the expiration of the time limits.

O. Definitions

The following definitions below are intended to serve only as references to the definitions contained within the Malaga Code and do not overwrite any of those aforementioned definitions.

1. Composite Sample. A representative sample, formed either by continuous sampling or by mixing discrete samples. The sample may be composited either as a:

    i. Time based composite sample: composed of discrete sample aliquots collected in one container at constant time intervals providing representative samples irrespective of stream flow; or a

    ii. flow-proportional composite sample: collected either as a constant sample volume at time intervals proportional to stream flow, or collected by increasing the volume of each aliquot as the flow increases while maintaining a constant time interval between the aliquots.

2. Daily Maximum. The maximum allowable discharge limit of a pollutant expressed in units of mass per day. Where daily maximum limits are expressed in terms of a concentration, the daily discharge is the arithmetic average measurement of the pollutant concentration derived from all measurements taken that day.

3. Grab Sample. An individual sample collected without regard for flow or time.

4. Instantaneous Maximum Concentration. The maximum concentration allowed in any single grab sample.

5. Cooling Water. Either,

    i. Uncontaminated – Water used for cooling purposes only which has no direct contact with any raw material, intermediate, or final product and which does not contain a level of contaminants detectably higher than that of the intake water.

ii. Contaminated – Water used for cooling purposes only which may become contaminated either through the use of water treatment chemicals used for corrosion inhibitors or biocides, or by direct contact with process materials and/or wastewater.

6. Monthly Average. The arithmetic mean of the values for effluent samples collected during a calendar month or specified 30 day period (as opposed to a rolling 30 day window). Compliance with the monthly average discharge limit is required regardless of the number of samples collected and analyzed.

7. Bi-Weekly. Once every other week.

8. Bi-Monthly. Once every other month.

9. Upset. An exceptional incident resulting in temporary and unintentional non-compliance because of factors beyond the reasonable control of the discharger.

10. Bypass. Means the diversion of wastes from any portion of a pretreatment process or facility.

11. Slug Discharge. Any discharge of a non-routine, episodic nature, including but not limited to an accidental spill or a non-customary batch discharge, which has a reasonable potential to cause interference or pass through, or in any other way violate the POTW's regulations, local limits or permit conditions.

12. Batch Discharge. A single, episodic discharge of accumulated waste, as opposed to a continuous, uninterrupted flow of waste material.

P. Dilution

The User shall not increase the use of potable water or process water or, in any way, attempt to dilute a discharge as a partial or complete substitute for adequate treatment to achieve compliance with a discharge limitation unless expressly authorized by an applicable Pretreatment Standard or Requirement. The District may impose mass limitations to meet applicable Pretreatment Standards or requirements, or in other cases when the imposition of mass limitations is appropriate.

Part 2: Discharge prohibitions and Limitations

A. Standard Discharge Prohibitions

The User shall comply with all discharge prohibitions and limitations specified in the Malaga Code, the Pretreatment Program, and this Permit. Prohibitions include but are not limited to:

1. Any materials that may cause interference or pass through;

2. Oils and Grease in any amounts that may cause an obstruction in the sewer collection system;

3. Explosive mixtures;

4. Noxious materials;

5. Shredded garbage;

6. Solid or viscous waste that cause an obstruction or decrease flow in the sewer collection system to less than two feet per second;

7. Slug loads not coordinated with the District by a Slug Control Plan;

8. Toxic or hazardous materials;

9. Unpolluted waters;

10. Wastes with objectionable color or odor;

11. Corrosive waste;

12. Trucked or hauled waste;

13. Sludges, screenings, or other residues from wastewater pretreatment;

14. Medical wastes;

15. Detergents, surface active agents, or other substances that may cause excessive foaming at the WWTF;

16. Any substance that will interfere or upset the treatment process at the WWTF;

17. Any substance that may result in the WWTF exceeding NPDES permit limits.

18. Bypass as defined in Part 1(O)(10) of this permit.

B. Discharge Local Limits

1.

Parameter	Discharge Local Limit	Specific Conditions
pH	6.0 - 9.0	pH is an instantaneous reading and cannot be averaged
Electrical Conductivity (EC)	950 µmhos/cm	Monthly average
Biochemical Oxygen Demand (BOD)	1,000 mg/L	Monthly average
Suspended Solids	1,000 mg/L	Monthly average
Chemical Oxygen Demand (COD)	1,000 mg/L	Monthly average
Oil and Greases	100 mg/L	Monthly average

A User which has a flow volume of less than 3,000 gallons per day or less than 45,000 gallons per month shall have a maximum concentration limit for Electrical Conductivity of 7,000 µmhos/cm except that such discharge shall not be an incompatible Pollutant nor shall it pass through the POTW or interfere with the POTW.

2. Animal and vegetable (polar) O&G not greater than 300 mg/l;

3. Discharge of the following Pollutants of Concern (POC's) above Local Limits:

Pollutant	Local Limit
Iron	1.0 mg/l as a monthly average
Lead	5.0 mg/l as a monthly average
Silver	5.0 mg/l as a monthly average
Arsenic	5.0 mg/l as a monthly average
Benzene	5.0 mg/l as a monthly average
Phenols	1.0 mg/l as a monthly average
Cadmium	0.10 mg/l as a monthly average
Zinc	5.0 mg/l as a monthly average
Chromium	5.0 mg/l as a monthly average
Copper	5.0 mg/l as a monthly average
Aluminum	5.0 mg/l as a monthly average
Mercury	0.20 mg/l as a monthly average
Barium	10.0 mg/l as a monthly average
Nickel	5.0 mg/l as a monthly average
Selenium	1.0 mg/l as a monthly average
Boron	8.0 mg/l as a monthly average
Chloride	
Cyanide	
Ammonia, as N	
Nitrite + Nitrate, as N	
Phosphorus	
Fluoride	
Diazinon	
Calcium	

Magnesium

4. Discharge of wastewater that:

   i. Contains solids that will not pass through a 20 per square inch mesh;

   ii. Has a temperature greater than 104 degrees Fahrenheit;

   iii. Has an alkalinity that is greater or less than 10% of source water;

Part 3: Monitoring and Reporting Requirements

A. General Monitoring Requirements

1. The Manager may require any User to monitor wastewater discharge and submit monitoring reports to the District, at a frequency specified by the District.

2. The User shall comply with all monitoring requirements specified in this Permit or otherwise required, in writing, by the District.

3. Flow monitoring and sampling equipment may be required and shall comply with all applicable provisions of this Permit and the Malaga Code.

4. If required, laboratory analysis of industrial wastewater samples shall be performed in accordance with the approved test procedures specified in 40CFR136 unless otherwise authorized, in writing, by the District.

5. If required, all samples must be collected, preserved, and analyzed in accordance with the procedures established in 40 CFR Part 136, and amendments.

6. If required, the User shall have an automated sampler that shall be maintained in accordance with manufacturer's recommendations, shall be cleaned once per month when in use, and samples shall be maintained at 4.0°C (±2.0°C).

7. If required, the User shall operate and maintain an effluent flowmeter, have it electronically calibrated annually and hydraulically calibrated every three years by a recognized professional in flowmeter testing and repair, and provide proof of calibration to the District prior to July 31 annually.

8. If required, continuous on-line monitoring equipment shall be maintained and calibrated in accordance with manufacturer's specifications.

9. If required, to install, operate and maintain at User's cost and expense an automatic, permanent wastewater flow monitoring system approved by the District which provides a primary flow measuring device, indication, recording and totalizing of flow and a signal generating device that can be used to activate the District's and other automatic samplers.

10. If required, to install, operate and maintain at User's cost and expense an automatic wastewater sampling system approved by the District which provides a flow proportional composite sample, a sample volume of not less than two liters, refrigerated storage and self-purging capability.

11. If required, to install, operate and maintain at User's cost and expense an automatic pH recording system approved by the District which provides a pH recording instrument and a pH probe located downstream of all Pretreatment operations and just before discharge to the sewage system.

12. If required, to install, operate and maintain at User's cost and expense a batch pH neutralization system approved by the District which provides a storage facility for wastewater of pH less than 6.0 or greater than 9.0, a pH measuring device, neutralizing agent and a permanently bound record of pH neutralization before discharge to the sewage system.

13. If required, to install, operate and maintain at User's cost and expense an automatic pH recording and control system approved by the District which provides a pH recording instrument, a pH probe located downstream of all Pretreatment operations and just before discharge into the sewage system, storage for a neutralizing agent, a neutralization chamber, a continuous neutralizing agent injection system activated by pH level and adequate agitation.

B. Sampling Point Location

1. The Sampling Point Location shall be designated at the following location:

Sampling Point Location Name	Location Description
001	The manhole to the north of the washing bay located within the premises. See attachment.

2. **Both the User and the District personnel are required to sample from the same sampling point location (001).**

C. Specific Monitoring and Reporting Requirements

The District will conduct all sampling and reporting requirements for truck washing facilities classified as non-categorical significant industrial users. In accordance to 40 CFR 403.12 (h), the District will analyze the user's discharge at

least once every six months in order to obtain a description of the nature, concentration, and flow of the pollutants.

D. The User may be required to submit an annual monitoring report of the following Pollutants of Concern (POC's) listed below:

1. Ammonia, as N
2. Nitrite + Nitrate, as N
3. Oil and Grease (HEM-polar)
4. Oil And Grease (Petroleum-non polar)
5. Alkalinity
6. Hardness
7. Calcium
8. Magnesium
9. Boron
10. Chloride
11. Cyanide
12. Phosphorus
13. Fluoride
14. Diazinon
15. Iron
16. Lead
17. Silver
18. Arsenic
19. Benzene
20. Phenols
21. Cadmium
22. Zinc
23. Chromium
24. Copper
25. Aluminum
26. Mercury
27. Barium
28. Nickel
29. Selenium

E. <u>Priority Pollutants</u>

The User may be required to monitor Priority Pollutants listed below. In lieu of monitoring for Priority Pollutants, the User may submit a toxic organics management plan (TOMP) to the District for approval. Preparation of the TOMP must be done in accordance with EPA regulations and approved by the District. If approved, the User may submit the certification statement as set forth in Part 3.5.a of this Permit. If the User fails to certify, sign, and submit the certification statement, the User will be required to conduct Priority Pollutant monitoring.

Appendix A to 40 CFR, Part 423--126 Priority Pollutants

001 Acenaphthene
002 Acrolein
003 Acrylonitrile
004 Benzene
005 Benzidine
006 Carbon tetrachloride (tetrachloromethane)
007 Chlorobenzene
008 1,2,4-trichlorobenzene
009 Hexachlorobenzene
010 1,2-dichloroethane
011 1,1,1-trichloreothane
012 Hexachloroethane
013 1,1-dichloroethane
014 1,1,2-trichloroethane
015 1,1,2,2-tetrachloroethane
016 Chloroethane
018 Bis(2-chloroethyl) ether
019 2-chloroethyl vinyl ether (mixed)
020 2-chloronaphthalene
021 2,4, 6-trichlorophenol
022 Parachlorometa cresol
023 Chloroform (trichloromethane)
024 2-chlorophenol
025 1,2-dichlorobenzene
026 1,3-dichlorobenzene
027 1,4-dichlorobenzene
028 3,3-dichlorobenzidine
029 1,1-dichloroethylene
030 1,2-trans-dichloroethylene
031 2,4-dichlorophenol
032 1,2-dichloropropane
033 1,2-dichloropropylene (1,3-dichloropropene)
034 2,4-dimethylphenol
035 2,4-dinitrotoluene
036 2,6-dinitrotoluene
037 1,2-diphenylhydrazine
038 Ethylbenzene
039 Fluoranthene
040 4-chlorophenyl phenyl ether
041 4-bromophenyl phenyl ether
042 Bis(2-chloroisopropyl) ether
043 Bis(2-chloroethoxy) methane
044 Methylene chloride (dichloromethane)
045 Methyl chloride (dichloromethane)
046 Methyl bromide (bromomethane)
047 Bromoform (tribromomethane)
048 Dichlorobromomethane
051 Chlorodibromomethane
052 Hexachlorobutadiene
053 Hexachloromyclopentadiene
054 Isophorone
055 Naphthalene
056 Nitrobenzene
057 2-nitrophenol
058 4-nitrophenol
059 2,4-dinitrophenol
060 4,6-dinitro-o-cresol
061 N-nitrosodimethylamine
062 N-nitrosodiphenylamine
063 N-nitrosodi-n-propylamin
064 Pentachlorophenol
065 Phenol
066 Bis(2-ethylhexyl) phthalate
067 Butyl benzyl phthalate
068 Di-N-Butyl Phthalate
069 Di-n-octyl phthalate
070 Diethyl Phthalate
071 Dimethyl phthalate
072 1,2-benzanthracene (benzo(a) anthracene
073 Benzo(a)pyrene (3,4-benzo-pyrene)
074 3,4-Benzofluoranthene (benzo(b) fluoranthene)
075 11,12-benzofluoranthene (benzo(b) fluoranthene) 076 Chrysene
077 Acenaphthylene
078 Anthracene
079 1,12-benzoperylene (benzo(ghi) perylene) 080 Fluorene
081 Phenanthrene
082 1,2,5,6-dibenzanthracene (dibenzo(,h) anthracene)
083 Indeno (,1,2,3-cd) pyrene (2,3-o-pheynylene pyrene)
084 Pyrene
085 Tetrachloroethylene
086 Toluene
087 Trichloroethylene
088 Vinyl chloride (chloroethylene)
089 Aldrin
090 Dieldrin
091 Chlordane (technical mixture and metabolites)
092 4,4-DDT
093 4,4-DDE (p,p-DDX)
094 4,4-DDD (p,p-TDE)
095 Alpha-endosulfan
096 Beta-endosulfan
097 Endosulfan sulfate
098 Endrin
099 Endrin aldehyde
100 Heptachlor
101 Heptachlor epoxide (BHC-hexachlorocyclohexane)
102 Alpha-BHC
103 Beta-BHC
104 Gamma-BHC (lindane)
105 Delta-BHC (PCB-polychlorinatedbiphenyls)
106 PCB-1242 (Arochlor 1242)
107 PCB-1254 (Arochlor 1254)
108 PCB-1221 (Arochlor 1221)
109 PCB-1232 (Arochlor 1232)
110 PCB-1248 (Arochlor 1248)
111 PCB-1260 (Arochlor 1260)
112 PCB-1016 (Arochlor 1016)
113 Toxaphene
114 Antimony
115 Arsenic
116 Asbestos
117 Beryllium
118 Cadmium
119 Chromium
120 Copper
121 Cyanide, Total
122 Lead
123 Mercury
124 Nickel
125 Selenium
126 Silver
127 Thallium
126 Silver
128 Zinc
129 2,3,7,8-tetrachloro-dibenzo-p-dioxin (TCDD)

F. Reporting Requirements

1. The District may require any User to submit monitoring reports in a format and at a frequency specified by the General Manager. The User shall comply with all reporting requirements specified in this Permit or otherwise required, in writing, by the District and all monitoring and reporting requirements of the Malaga Code.

2. All Users subject to Federal categorical pretreatment standards shall comply with all applicable reporting requirements specified in 40CFR403.12.

3. The User shall immediately notify the District prior to any new or changed discharge, and shall immediately notify the District (phone 559-485-7353) of any wastewater discharge which is not in compliance with the Permit or the Malaga Code, or which might be reasonably judges to constitute a hazard to District personnel, the wastewater treatment system, or the environment.

4. User shall immediately notify the District of any changes that occur at the facility affecting the potential for a Slug Discharge so that the POTW may reevaluate the need for a Slug Control Plan or other actions to prevent such Discharges.

5. The User shall provide a site plan showing the location of all wastewater treatment facilities (grease traps, sand separators, etc.)

6. User shall monitor grease traps weekly and record scum and solids levels.

7. Users shall maintain a District approved hazardous waste inventory accounting system which includes a bound log book containing permanent entries that account, either by mass or by volume, for the disposition of substances prohibited by the Malaga Code or this Permit.

8. Users shall keep waste hauler reports on file for a period of three years.

9. User shall maintain a manifest from all trucks washed at a truck wash facility. A copy of the manifest shall be submitted to the District on demand to confirm the contents of trucks washed out.

10. Users shall maintain a log of all wastewater and solids removed from the premise, to include the destination of the hauled materials. Submit copies of the log on a quarterly basis to MCWD for the first year and annually thereafter.

11. Monitoring results obtained must be summarized and reported in a format acceptable to the District.

12. Reports for parameters with a continuous monitoring frequency must be submitted monthly. The reports are due within 15 days after the end of each calendar month.

13. Reports for parameters with a designated monitoring frequency must be submitted within 15 days after the reporting period.

14. All monitoring reports must indicate the nature and concentration of all pollutants in the effluent for which sampling and analysis were performed during the reporting period preceding the submission of each report, including measured maximum and average daily flows.

15. All reports required by this Permit must be submitted to the Malaga County Water District at the following address:

    Malaga County Water District
    Environmental Compliance Inspector
    3580 S. Frank Street
    Fresno, CA 93725

G. Recordkeeping.

Users subject to the reporting requirements of this Code shall retain, and make available for inspection and copying, all records of information obtained pursuant to any monitoring activities required by this Code, any additional records of information obtained pursuant to monitoring activities undertaken by the User independent of such requirements, and documentation associated with Best Management Practices established under this Code. Records shall include the date, exact place, method, and time of sampling, and the name of the person(s) taking the samples; the dates analyses were performed; who performed the analyses; the analytical techniques or methods used; and the results of such analyses. These records shall remain available for a period of at least three (3) years. This period shall be automatically extended for the duration of any litigation concerning the User or the District, or where the User has been specifically notified of a longer retention period by the General Manager, or his or her designee.

H. Certification Statements

1. The User is required to sign and submit the following certification statement if granted use of a Toxic Organic Management Plan in lieu of reporting Priority Pollutants:

"Based on my inquiry of the permit or persons directly responsible for managing compliance with the pretreatment standard for Priority Pollutants (PP's), I certify that, to the best of my knowledge and belief, no dumping of concentrated priority pollutant toxic organics into the wastewaters has occurred since filing of the last discharge monitoring

report. I further certify that this facility is implementing the Toxic Organic Management Plan submitted to the Control Authority."

2. The User is required to sign and submit the following certification statement with all monitoring reports:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are signification penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

3. All reports required by this Permit must be submitted to the Malaga County Water District at the following address:

Malaga County Water District
Environmental Compliance Inspector
3580 S. Frank Street
Fresno, CA 93725

I. Annual Publication

As required by the Act, the District's Pretreatment Program, and the Malaga Code, a list of all industries which were in significant noncompliance of applicable federal pretreatment standards or other pretreatment requirements during the twelve (12) previous months shall be annually published by the District in the largest daily newspaper within its service area. Accordingly, the User is apprised that noncompliance with this permit may lead to an enforcement action and may result in publication of its name in an appropriate newspaper. For purposes of this provision, significant noncompliance is defined under 40 CFR 403.8 (f)(2)(vii).

Part 4: Other Conditions

A. Automatic Re-sampling

If the results of the User's wastewater analysis indicate that a violation of this Permit has occurred, the User must:

1. Inform the Malaga County Water District of the violation within 24 hours;

2. Repeat sampling and pollutant analysis and submit, in writing, the results of this second analysis within 30 days of becoming aware if the first violation;

3. Continue repeat sampling until it is determined that the violation has ceased.
4. Pursuant to the provisions of the Malaga Code, the District shall have the ability to sample and analyze any time the District deems appropriate.

B. Accidental Discharge and Reporting

The user must notify the Malaga County Water District immediately upon the occurrence of spills, including, but not limited to, accidental discharges, discharges of a nonroutine, episodic nature, a noncustomary batch discharge, slug loads or slug discharges, that might potential problems for the POTW, or spills that might enter the public sewer. During normal business hours the Malaga County Water District should be notified by telephone at 559-485-7353. The notification must include location of discharge; date and time of discharge; type of waste, including concentration and volume; and corrective actions taken. The User's notification of accidental release in accordance with this section does not relieve it of other reporting requirements that arise under local, state, or federal laws.

Within 5 days following an accidental discharge, the User shall submit to the District Malaga County Water a detailed written report. The report must specify:

1. Description and cause of the upset, slug load, or accidental discharge; the cause thereof; and the impact on the User's compliance status. The description should also include location of discharge and type, concentration, and volume of waste.

2. Duration of noncompliance, including exact dates and times of noncompliance and, if the noncompliance is continuing, the time by which compliance is reasonably expected to occur.

3. All steps taken or to be taken to reduce, eliminate, and/or prevent recurrence of such an upset, slug load, accidental discharge, or other conditions of noncompliance.

C. Pretreatment Systems

1. The District may require Users to install and operate at their own expense the following pretreatment systems:

    i. A grease interceptor approved by the District which (a) prevents excessive grease and oil from entering the sewage system (b) provides at least 1250 gallons storage capacity, at least two compartments, baffles to retain floatable greases and oils and a sampling port and (c) excludes any Sanitary Wastewater from entering the interceptor.

ii. A grit interceptor approved by the District which (a) prevents sand and settleable grit from entering the sewage system (b) provides a 30-minute detention time base on peak wastewater rate, a minimum capacity of 500 gallons, at least two compartments, baffles to reduce wastewater velocity sufficiently to settle sand and grit and (c) excludes any sanitary wastewater from entering the interceptor.

2. Use of the following pretreatment systems shall not violate any portion of the Malaga Code nor inhibit wastewater treatment systems:

iii. To operate and maintain any garbage grinders in a manner which prevents discharge of wastewater in violation of the Malaga Code.

iv. To operate and maintain any water softening units in strict accordance with manufacturer's instructions and in a manner to minimize salts discharge into sewage system.

D. Removed Substances

1. Solids, sludges, filter backwash or other pollutants removed from wastewater in the course of pretreatment or the control of wastewater must be disposed of in accordance with section 405 of the Clean Water Act and Subtitles C and D of the Resource Conservation and recovery Act.

2. Removed Substances shall not be allowed to enter the sewer collection system, nor any storm drain, nor any outfall or drain which leads to a storm water collection system or a water catchment system intended for ground water recharge purposes.

3. Removed substances shall not be retained on the property of the User and shall be properly disposed of as indicated above.

E. Slug Discharge Control Requirements

The User is required to submit and implement a slug discharge control plan if directed by the District. Determination of the requirement for a slug discharge plan shall be made during an initial facility inspection by the District. If it is determined that due to batch discharge or plug flow the WWTF could be hydraulically or biologically overloaded, a slug discharge plan shall be developed and implemented. The slug discharge control plan must include, at a minimum, the following:

1. Description of discharge practices, including non-routine batch discharges.

2. Description of stored chemicals.

3. Procedures for immediately notifying the Malaga County Water District of slug discharges, including any discharge that would violate prohibition under 40CFR 403.5(b), with procedures for follow-up written notification within five days.

4. Procedure to limit any impact on maximum allowable head works loading of the WWTF.

5. Procedures to prevent adverse impact from accidental spills, including inspection and maintenance of storage areas, handling and transfer of materials, loading and unloading operations, control of plant site runoff, worker training, building of containment structures or equipment, measures for containing toxic organic pollutants, and measures and equipment for emergency response.

F. Compliance Schedule

Pursuant to the Enforcement Response Plan, the following levels of escalating enforcement and administrative citations have been established:

1. Warning Notice, and any associated Notices of Non-Compliance;

2. Notice of Violation, and any associated Notices of Non-Compliance;

3. Consent Order, and any associated Notices of Non-Compliance;

4. Compliance Order, and any associated Notices of Non-Compliance; and

5. Show Cause Order, and any associated Notices of Non-Compliance.

i. In the event of any notice or order for compliance, a schedule for compliance shall be included. The User is responsible to meet the schedule for compliance, and shall be penalized according to the provisions of the Enforcement response Plan for failing to do so.

ii. No later than 14 days following the date of the notice or order, the user must submit to the Malaga County Water District a written report including, at a minimum, whether it complied with the increment of progress to be met on such date and, if not, the date on which it expects to comply with the increment of progress, the reasons for delay, and the steps being taken to return the project to the schedule established.

G. Potential Non-Compliance

The User must immediately inform the District in the event of the potential for non-compliance for any known reason. Failure to report the potential for non-compliance may result in a harsher penalty for a non-compliance event that was known to pre-exist.

Part 5: Special Conditions for Truck Washes

A. Truck washes shall comply with all other portions of this permit and the Malaga Code.

B. Wastewater from the truck wash facility shall not cause any of the following effects to the sewer collection system or have the following characteristics:

1. Build-up of solids such that wastewater flows slower than 2 feet per second in the collection system;

2. Foaming of wastewater;

3. Discoloration of wastewater;

4. A pH of less than 6.0 or greater than 9.0 at any time;

5. An electro-conductivity reading in excess of 950 u-ohm/cm at any time;

C. Solids shall not be washed from a truck tank that cannot pass through a size 20 mesh per square inch filter directly into the sewer collection system.

D. Truck tanks must be emptied prior to washing with no noticeable residue of prior contents.

E. Truck washes shall maintain a manifest of tanker trucks and inter-modal tank containers washed that includes the following information at a minimum:

1. Date and time the truck was washed
2. Contents of the tank prior to washing

F. Reserved for truck washes that may be subject to categorical limits:

Truck Washes involved in cleaning tank trucks and intermodal tank containers used to transport chemical or petroleum cargos are subject to EPA categorical pretreatment standards and are classified into the Transportation Equipment Cleaning (TEC) category. If identified as a TEC, the user may be required to submit monthly reports to address the following pollutants:

1. 40 CFR 442.11:	Maximum Daily Limit	Max. Monthly Ave
BOD	61 mg/L	22 mg/L
TSS	58 mg/L	26 mg/L
Oil and grease (HEM)	36 mg/L	16 mg/L
Copper	0.84 mg/L	-
Mercury	0.0031	-
pH	6-9	6-9
Non-polar material (SGT-HEM)	26	-

2. EPA Categorical Pretreatment Standard Pollutants:
    i. Fluoranthene
    ii. Phenanthrene
    iii. Cadmium
    iv. Chromium Total
    v. Copper
    vi. Lead
    vii. Non-Polar O&G
    viii. Mercury
    ix. Nickel
    x. Zinc

3. Other pollutants (CAM metals):
    i. Antimony
    ii. Arsenic
    iii. Barium
    iv. Berylium
    v. Cadmium
    vi. Chromium
    vii. Cobalt
    viii. Copper
    ix. Lead
    x. Mercury
    xi. Molybdenum
    xii. Nickel
    xiii. Selenium
    xiv. Silver
    xv. Thallium
    xvi. Vanadium
    xvii. Zinc

4. Truck washes shall immediately report to the District any event that causes wastewater discharge to show the following characteristics:

    i. Foaming;
    ii. Discoloration;
    iii. Noxious fumes;
    iv. Oil sheen;
    v. Build-up of solids that flocculate or coagulate;
    vi. Build-up of solids that reduce flow;

5. Truck Washes shall provide written monthly reports to the District that contain the following information:

    i. Date and time tanker trucks and intermodal tank containers were washed;

ii. Contents of tanker trucks and intermodal tank containers that were washed;
iii. Analysis of any wastewater discharge samples that were tested, whether required or not;
iv. Reports of on-line metering equipment;
v. All incidences of item 7 above.

6. On-line monitoring equipment shall monitor pH and EC whenever wastewater is being discharged.

7. The District will perform in lieu, as described in 40 CFR 403.12 (h), the required compliance status reporting for truck washes identified as Significant Non-categorical Industrial Users. This report is required at least once every six months.

Part 6: Best Management Practices

Best management practices shall be adhered to according to the industry standards of the individual permit holder.

A. <u>Best Management Practices Specific to Truck Washing Facilities</u>

1. Only biodegradable detergents should be used for dirt removal.
2. Detergents should be labeled “phosphate free” and should have a neutral pH.
3. Avoid using cleaning solutions that contains chlorinated solvents, are highly acidic or highly alkaline, and contains petroleum products or distillates.
4. Use only the minimum amount of detergent to get the job done.
5. Chrome and aluminum brighteners should only be used if they are hand applied and wiped. Brighteners should not be part of the washing process.
6. Minimize the amount of wastewater generated by using high pressure and low volume washing techniques. Keep in mind to avoid paint chipping caused from too high of a pressure.
7. Prevent runoff by containing storm drains with containment booms, storm drain covers, and other barrier equipment.
8. Changing motor oil near wash bay areas should be prohibited.
9. Brushing shall not be done in conjunction with buckets of concentrated detergent.
10. Chemical drums must be in secondary containment.

Part 7: Failure to Meet Discharge Limits

Users that absolutely cannot meet, due to their nature of discharge, local limits or discharge limits contained within the Act, after having installed best available pretreatment systems, are required to have their wastewater hauled off to another disposal site.

Attachment 1

Sampling Point Location 001

Description: The manhole to the north of the washing bay located within the premises.

WASH
EXIT
ENTRANCE
TRAILERS WASH OUT
26 35
Sampling Point Location 001: the manhole directly north of the wash bay

MALAGA COUNTY WATER DISTRICT

3580 SOUTH FRANK STREET
FRESNO, CALIFORNIA 93725
PHONE (559) 485-7353
FAX (559) 485-7319

NON-RESIDENTIAL

WASTEWATER DISCHARGE PERMIT

Permit No: 1025 **MCWD Account No:** 055 & 055-1

Industrial User:	SFPP, L.P. (Kinder Morgan)	**Class:** 1	
Mailing Address:	1100 Town & Country Road	Significant Industrial User	
	Orange, CA 92868	Non-Categorical	
Facility Address:	4149 S. Maple Avenue	Slug Discharge Plan not required	
	Fresno, CA 93725		
Authorized Rep:	Robert Granado	**Phone No:**	714-560-4873
Title:	Director of EHS		
Contact:	Mike McWhorter	**Phone No:**	559-493-2975
APN:	330-031-59S		
SIC No:	4226		
Fee:	$ 1262.78		
No. of Employees:	13		
Effective Date:	01/01/2016		
Expires:	12/31/2016	**Sewer Unit Allocation:**	17

Authorized District Signature: JPAnderson
District Manager

Issue Date: 12/15/2015

This permit authorizes the Permitee to discharge non-residential wastewater in accordance with the terms and conditions specified herein, provided that all other District requirements are met. Other District requirements include, but are not necessarily limited to, paying sewer connection fees and annexation fees and obtaining a sewer connection permit.

Industrial User Wastewater Discharge Permit

Part 1: Standard Conditions

A. Duty to Comply

The permitted Industrial User ("User") shall comply with all of the conditions of this Industrial Wastewater Discharge Permit ("Permit") and all of the provisions, terms, and requirements of the Malaga Code ("Code"), the Pretreatment Program, the Clean Water Act ("Act") and all orders, ordinances, rules, resolutions, and regulations of the District, including but not limited to connection permits and baseline discharge requirements. Failure to comply with the requirements of this permit may be grounds for enforcement action, including civil or criminal penalties, injunctive relief and summary abatements as set forth in the District's Enforcement Response Plan ("ERP").

B. Duty to Mitigate

The User shall take all reasonable steps to minimize or correct any adverse impact to the wastewater treatment system or the environment resulting from noncompliance with this Permit including such accelerated or additional monitoring and sampling or other orders as necessary to determine the nature and impact of and to correct the non-complying discharge.

C. Permit Modification

The District may modify the Permit for good cause, including but not limited to, the following reasons:

1. To incorporate any new or revised Federal, State, or local pretreatment standards or requirements;

2. To address significant alterations or additions to the User's operation, processes, or wastewater volume or character since the time of the individual wastewater discharge Permit issued;

3. A change in any process or discharge condition in either the industrial user or the POTW that requires either a temporary or permanent reduction or elimination of the authorized discharge;

4. Information indicating that the permitted discharge poses a threat to the Control Authority's collection and treatment systems, WWTF and equipment, personnel or the receiving waters;

5. Violation of any terms or conditions of the Permit;

6. Misrepresentation or failure to disclose fully all relevant facts in the Permit application or in any required reporting;

7. Revision of or a grant of variance from such categorical standards pursuant to 40 CFR 403.13;

8. To correct typographical or other errors in the Permit;

9. To reflect of the facility ownership and/or operation to a new owner/operator; or

10. Upon request of the User, provided such request does not create a violation of any applicable requirements, standards, laws, or rules and regulations.

11. The filing of a request by the User for a Permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay or modify any Permit condition.

D. <u>Retention of Records</u>

In addition to the record keeping requirements of the Malaga Code, Pretreatment program and the Act, the User shall retain records as follows:

1. The industrial user shall retain records of all monitoring information, copies of all reports required by this permit and records of all data used to complete the application for this permit, for a period of at least three years from the date of the sample, measurement, report or application. This period may be extended by the request of the District at any time.

2. All records that pertain to matters that are the subject of special orders or any other enforcement or litigation activities brought by the District shall be retained and preserved by the industrial user for three years after all enforcement activities have concluded and the time to bring any appeal(s) have expired.

E. <u>Permit Termination</u>

This Permit may be terminated for the following reasons:

1. Failure to notify the District of significant changes to the wastewater prior to the change discharge;

2. Failure to provide prior notification to the District of changed conditions;

3. Misrepresentation or failure to fully disclose all relevant facts in wastewater discharge Permit application;

4. Falsifying self-monitoring reports and/or certification statements;

5. Tampering with monitoring equipment;

6. Refusing to allow timely access to the facility premises and records;

7. Failure to meet effluent limitations;

8. Failure to pay fines;

9. Failure to pay sewer charges;

10. Failure to meet compliance schedules;

11. Failure to complete a wastewater survey and renewal form, or the wastewater discharge Permit application;

12. Failure to provide advance notice of the transfer of business ownership of a permitted facility; or

13. Violation of any pretreatment standard or requirement including required BMPs contained in the Code, or the wastewater discharge Permit, or the Pretreatment Program.

F. Notification and Reporting

1. In addition to the record keeping and reporting requirements of the Malaga Code, the Pretreatment Program, and the Act, the User shall notify the District prior to any new or changed discharge, and shall immediately notify the District at (559) 485-7353 of any wastewater discharge which is not in compliance with this Permit, or the Pretreatment Program, or the Code, or which might be reasonably judged to constitute a hazard to District personnel, the wastewater treatment system, or the environment.

2. The User shall furnish any information relating to wastewater discharge quantity and quality as required by the District, and shall comply with all reporting requirements specified in this Permit.

G. Costs and Fees

1. The User shall pay all fees required by District ordinances, including but not limited to, permit fees, connection fees, annexation fees, bond debt services charges, and sewer unit fees.

2. The User shall also pay any additional cost or expenses incurred by the District for handling and treating excess loads imposed on the treatment system and any cost or expense incurred by the District in the enforcement of the provisions of its ordinances and the correction of violations thereof.

H. Facilities

1. The User shall make wastewater acceptable under the limitations of the Code and the Pretreatment Program before discharging to the sewage system. Any facilities required to pretreat wastewater to a level acceptable to the District shall be provided and maintained at the User's expense. Detailed plans showing the pretreatment facilities and operating facilities shall be submitted to the District for review, and shall be acceptable to and approved by the District, in writing, before construction of the facility. The review of such plans and operating procedures will in no way relieve the User from the responsibility of modifying the facility as necessary to produce an effluent acceptable to the District under the provisions of the Malaga Code. Any subsequent changes in the pretreatment facilities or method of operation shall be reported to, and be approved in writing by, the District.

2. Pretreatment facilities (including sampling and flow monitoring facilities) shall be maintained in good working order and shall be operated so as to ensure continuous compliance with District ordinances, resolutions, rules and regulations, and any applicable permits by the User at the User's own cost and expense. Pretreatment facilities are at all times subject to the requirements of these rules and regulations and all other applicable codes, ordinances, and laws. Intermittent operation of pretreatment facilities except as provided for in writing by the District during discharge to the sewage system is prohibited.

3. All solids, sludge, filter backwash or other pollutants removed by pretreatment facilities shall not be discharged to the sewage system, nor allowed to enter any storm water or ground water recharge system, nor allowed to seep into the ground, but shall be stored, treated and/or disposed of in accordance with applicable County, State and Federal regulations.

I. Right of Entry

Pursuant to the provisions of the Malaga Code, the User shall allow District personnel, upon the presentation of credentials, to enter upon any property or premises, the User, by accepting any permit issued pursuant to the Code, does hereby consent and agree to the entry upon the premises, described in the Permit, by District personnel for the following purposes as required by the Permit at all reasonable times:

1. Reviewing and copying any records required to be kept under the provisions of the Malaga Code;

2. Inspecting any monitoring equipment, pretreatment facility or discharge-producing process;

3. Inspecting and/or sampling any discharge of wastewater to the wastewater facilities. District personnel may enter upon the property at any hour under emergency circumstances. In the event of such emergency entry, District personnel shall make every effort to immediately notify the User's designated agent;

4. To investigate the possible violation of the Malaga Code or Permit;

5. To photograph any waste, waste container, vehicle, waste treatment process, discharge location, or violation discovered during an inspection.

6. Users shall cooperate at all times with authorized District personnel in the inspection, sampling and study of the User's facilities and wastewater.

J. Duration

The terms and conditions of this Permit shall remain in effect until either:

1. The Permit is modified;

2. The Permit is revoked;

3. The Permit expires and cause is determined for non-renewal of the Permit;

4. Failure of the District to act upon a valid Permit application or renewal application shall allow for automatic extension of operations under existing Permit conditions until such District action is complete.

5. Failure of the District to act upon a valid Permit application or renewal application shall allow for automatic extension of operations under existing Permit conditions until such District action is complete.

6. This Permit allows the User to operate only one industrial wastewater discharge point to the sewer collection system.

K. Severability

The provisions of this Permit are severable, and if any provisions of this Permit or the application of any provision of this Permit to any circumstances is held invalid, the application of such provision to other circumstances and the remainder of the Permit shall not be affected hereby.

L. Transferability

This Permit shall not be reassigned, transferred, or sold to a new owner, new user, different premises, or to a new or changed operation.

M. Enforcement and Penalties

Failure to comply with any of the provisions of this Permit, the Malaga Code, or applicable State or Federal laws or regulations may result in any or all of the following actions:

1. Administrative actions including but not limited to Notices of Violation, Administrative Orders, Administrative Citations, Administrative Complaints, Administrative Hearings, Governing Board Hearings, Compliance Orders, Orders to Show Cause and civil penalties in an amount of not less than one thousand dollars ($1,000) per day, per violation;

2. Legal actions including but not limited to preliminary or permanent injunctions, or both;

3. Civil and/or criminal penalties;

4. Permit revocation;

5. Temporary or permanent disconnection from the District's sewerage system;

6. Water supply severance.

N. Appeals

Any User affected by any decision, action, or determination, including Administrative Orders, issued by the District, interpreting or implementing he provisions of The Malaga Code or any permit or Order issued thereunder, may file with the District a written request for reconsideration within ten (10) days of such decision, action, or determination, setting forth in detail in facts supporting the User's request for reconsideration.

If the ruling made by the Manager is unsatisfactory to the person requesting reconsideration, this person may, within ten (10) days after notification of District action, file a written appeal to the District's Board of Directors. The written appeal shall be heard by the body within sixty (60) days from the date of filing. The District's Board of Directors shall make a final ruling on the appeal within ten (10) days of the close of the meeting. The Manager's decision, action, or determination shall remain in effect during such period of reconsideration.

Any User aggrieved by a final order issued by the Board of Directors may obtain review of the order of the Board in the Superior Court by filing in the court a petition for writ of

mandate within thirty (30) days following the service of a copy of a decision and order issued by the Board.

If no aggrieved party petitions for writ of mandate within the time provided by this section, an order of the Board shall not be subject to review by any court or agency, except that the Board may grant review on its own motion after the expiration of the time limits.

O. Definitions

The following definitions below are intended to serve only as references to the definitions contained within the Malaga Code and do not overwrite any of those aforementioned definitions.

1. Composite Sample. A representative sample, formed either by continuous sampling or by mixing discrete samples. The sample may be composited either as a:

    i. Time based composite sample: composed of discrete sample aliquots collected in one container at constant time intervals providing representative samples irrespective of stream flow; or a

    ii. flow-proportional composite sample: collected either as a constant sample volume at time intervals proportional to stream flow, or collected by increasing the volume of each aliquot as the flow increases while maintaining a constant time interval between the aliquots.

2. Daily Maximum. The maximum allowable discharge limit of a pollutant expressed in units of mass per day. Where daily maximum limits are expressed in terms of a concentration, the daily discharge is the arithmetic average measurement of the pollutant concentration derived from all measurements taken that day.

3. Grab Sample. An individual sample collected without regard for flow or time.

4. Instantaneous Maximum Concentration. The maximum concentration allowed in any single grab sample.

5. Cooling Water. Either,

    i. Uncontaminated – Water used for cooling purposes only which has no direct contact with any raw material, intermediate, or final product and which does not contain a level of contaminants detectably higher than that of the intake water.

ii. Contaminated – Water used for cooling purposes only which may become contaminated either through the use of water treatment chemicals used for corrosion inhibitors or biocides, or by direct contact with process materials and/or wastewater.

6. Monthly Average. The arithmetic mean of the values for effluent samples collected during a calendar month or specified 30 day period (as opposed to a rolling 30 day window). Compliance with the monthly average discharge limit is required regardless of the number of samples collected and analyzed.

7. Bi-Weekly. Once every other week.

8. Bi-Monthly. Once every other month.

9. Upset. An exceptional incident resulting in temporary and unintentional non-compliance because of factors beyond the reasonable control of the discharger.

10. Bypass. Means the diversion of wastes from any portion of a pretreatment process or facility.

11. Slug Discharge. Any discharge of a non-routine, episodic nature, including but not limited to an accidental spill or a non-customary batch discharge, which has a reasonable potential to cause interference or pass through, or in any other way violate the POTW's regulations, local limits or permit conditions.

12. Batch Discharge. A single, episodic discharge of accumulated waste, as opposed to a continuous, uninterrupted flow of waste material.

P. Dilution

The User shall not increase the use of potable water or process water or, in any way, attempt to dilute a discharge as a partial or complete substitute for adequate treatment to achieve compliance with a discharge limitation unless expressly authorized by an applicable Pretreatment Standard or Requirement. The District may impose mass limitations to meet applicable Pretreatment Standards or requirements, or in other cases when the imposition of mass limitations is appropriate.

Part 2: Discharge prohibitions and Limitations

A. Standard Discharge Prohibitions

The User shall comply with all discharge prohibitions and limitations specified in the Malaga Code, the Pretreatment Program, and this Permit. Prohibitions include but are not limited to:

1. Any materials that may cause interference or pass through;

2. Oils and Grease in any amounts that may cause an obstruction in the sewer collection system;

3. Explosive mixtures;

4. Noxious materials;

5. Shredded garbage;

6. Solid or viscous waste that cause an obstruction or decrease flow in the sewer collection system to less than two feet per second;

7. Slug loads not coordinated with the District by a Slug Control Plan;

8. Toxic or hazardous materials;

9. Unpolluted waters;

10. Wastes with objectionable color or odor;

11. Corrosive waste;

12. Trucked or hauled waste;

13. Sludges, screenings, or other residues from wastewater pretreatment;

14. Medical wastes;

15. Detergents, surface active agents, or other substances that may cause excessive foaming at the WWTF;

16. Any substance that will interfere or upset the treatment process at the WWTF;

17. Any substance that may result in the WWTF exceeding NPDES permit limits.

18. Any bypass as defined in Part 1(O)(10) of this permit.

B. Discharge Local Limits

1.

Parameter	Discharge Local Limit	Specific Conditions
pH	6.0 - 9.0	pH is an instantaneous reading and cannot be averaged
Electrical Conductivity (EC)	950 µmhos/cm	Monthly average
Biochemical Oxygen Demand (BOD)	1,000 mg/L	Monthly average
Suspended Solids	1,000 mg/L	Monthly average
Chemical Oxygen Demand (COD)	1,000 mg/L	Monthly average
Oil and Greases	100 mg/L	Monthly average

A User which has a flow volume of less than 3,000 gallons per day or less than 45,000 gallons per month shall have a maximum concentration limit for Electrical Conductivity of 7,000 µmhos/cm except that such discharge shall not be an incompatible Pollutant nor shall it pass through the POTW or interfere with the POTW.

2. Animal and vegetable (polar) O&G not greater than 300 mg/l;

3. Discharge of the following Pollutants of Concern (POC's) above Local Limits:

Pollutant	Local Limit
Iron	1.0 mg/l as a monthly average
Lead	5.0 mg/l as a monthly average
Silver	5.0 mg/l as a monthly average
Arsenic	5.0 mg/l as a monthly average
Benzene	5.0 mg/l as a monthly average
Phenols	1.0 mg/l as a monthly average
Cadmium	0.10 mg/l as a monthly average
Zinc	5.0 mg/l as a monthly average
Chromium	5.0 mg/l as a monthly average
Copper	5.0 mg/l as a monthly average
Aluminum	5.0 mg/l as a monthly average
Mercury	0.20 mg/l as a monthly average
Barium	10.0 mg/l as a monthly average
Nickel	5.0 mg/l as a monthly average
Selenium	1.0 mg/l as a monthly average
Boron	8.0 mg/l as a monthly average
Chloride	
Cyanide	
Ammonia, as N	
Nitrite + Nitrate, as N	
Phosphorus	
Fluoride	
Diazinon	

Calcium
Magnesium

4. Discharge of wastewater that:

   i. Contains solids that will not pass through a 20 per square inch mesh;

   ii. Has a temperature greater than 104 degrees Fahrenheit;

   iii. Has an alkalinity that is greater or less than 10% of source water;

Part 3: Monitoring and Reporting Requirements

A. General Monitoring Requirements

1. The Manager may require any User to monitor wastewater discharge and submit monitoring reports to the District, at a frequency specified by the District.

2. The User shall comply with all monitoring requirements specified in this Permit or otherwise required, in writing, by the District.

3. Flow monitoring and sampling equipment may be required and shall comply with all applicable provisions of this Permit and the Malaga Code.

4. If required, laboratory analysis of industrial wastewater samples shall be performed in accordance with the approved test procedures specified in 40CFR136 unless otherwise authorized, in writing, by the District.

5. If required, all samples must be collected, preserved, and analyzed in accordance with the procedures established in 40 CFR Part 136, and amendments.

6. If required, the User shall have an automated sampler that shall be maintained in accordance with manufacturer's recommendations, shall be cleaned once per month when in use, and samples shall be maintained at 4.0°C (±2.0°C).

7. If required, the User shall operate and maintain an effluent flowmeter, have it electronically calibrated annually and hydraulically calibrated every three years by a recognized professional in flowmeter testing and repair, and provide proof of calibration to the District prior to July 31 annually.

8. If required, continuous on-line monitoring equipment shall be maintained and calibrated in accordance with manufacturer's specifications.

9. If required, to install, operate and maintain at User's cost and expense an automatic, permanent wastewater flow monitoring system approved by the

District which provides a primary flow measuring device, indication, recording and totalizing of flow and a signal generating device that can be used to activate the District's and other automatic samplers.

10. If required, to install, operate and maintain at User's cost and expense an automatic wastewater sampling system approved by the District which provides a flow proportional composite sample, a sample volume of not less than two liters, refrigerated storage and self-purging capability.

11. If required, to install, operate and maintain at User's cost and expense an automatic pH recording system approved by the District which provides a pH recording instrument and a pH probe located downstream of all Pretreatment operations and just before discharge to the sewage system.

12. If required, to install, operate and maintain at User's cost and expense a batch pH neutralization system approved by the District which provides a storage facility for wastewater of pH less than 6.0 or greater than 9.0, a pH measuring device, neutralizing agent and a permanently bound record of pH neutralization before discharge to the sewage system.

13. If required, to install, operate and maintain at User's cost and expense an automatic pH recording and control system approved by the District which provides a pH recording instrument, a pH probe located downstream of all Pretreatment operations and just before discharge into the sewage system, storage for a neutralizing agent, a neutralization chamber, a continuous neutralizing agent injection system activated by pH level and adequate agitation.

B. <u>Sampling Point Location</u>

1. The Sampling Point Location shall be designated at the following location:

Sampling Point Location Name	Location Description
001	Samples are taken from a valve labeled "sample port." It is located after the granular activated carbon vessels and the pH adjuster. See attachments.

2. **Both the User and the District personnel are required to sample from the same sampling point location (001).**

C. Specific Monitoring and Sampling Requirements

1.

Parameter	Units	Sample Type	Monitoring & Reporting Frequency	Chain of Custody Required
Flow	Gallons	Metered	Per batch discharge	No
Biochemical Oxygen Demand (BOD)	mg/L	Grab	Per batch discharge	Yes
pH	Standard Units	Grab	Per batch discharge	Yes
Electrical Conductivity (EC)	µmhos/cm	Grab	Per batch discharge	Yes
Total Petroleum Hydrocarbons (TPH)	mg/L	Grab	Per batch discharge	Yes
Total Petroleum Hydrocarbons gasoline (TPHg)	µg/L	Grab	Per batch discharge	Yes
Total Petroleum Hydrocarbons diesel (TPHd)	µg/L	Grab	Per batch discharge	Yes
Pollutants of Concern (POC's)	mg/L	Grab	1/year (annually)	Yes

2. For reports requiring a Chain of Custody, analysis must be performed by a laboratory that is certified for water and wastewater analysis by the State of California, Department of Health Services Environmental Laboratory Accreditation Program (ELAP). A Chain of Custody form shall be attached to the report.

3. Reports are to be submitted no later than 25 calendar days following the monitoring month.

4. Annually shall mean anytime throughout the course of a calendar year and due no later than the end of December.

D. The User is required to submit an annual monitoring report of the following Pollutants of Concern (POC's) listed below:

1. Ammonia, as N
2. Nitrite + Nitrate, as N

3. Oil and Grease (HEM-polar)
4. Oil And Grease (Petroleum-non polar)
5. Alkalinity
6. Hardness
7. Calcium
8. Magnesium
9. Boron
10. Chloride
11. Cyanide
12. Phosphorus
13. Fluoride
14. Diazinon
15. Iron
16. Lead
17. Silver
18. Arsenic
19. Benzene
20. Phenols
21. Cadmium
22. Zinc
23. Chromium
24. Copper
25. Aluminum
26. Mercury
27. Barium
28. Nickel
29. Selenium

E. Priority Pollutants

The User must submit a toxic organics management plan (TOMP) to the District for approval. Preparation of the TOMP must be done in accordance with EPA regulations and approved by the District. If approved, the User may submit the certification statement as set forth in Part 3.5.a of this Permit. The TOMP shall be submitted to the District no later than March 1, 2016.

F. Reporting Requirements

1. The District may require any User to submit monitoring reports in a format and at a frequency specified by the General Manager. The User shall comply with all reporting requirements specified in this Permit or otherwise required, in writing, by the District and all monitoring and reporting requirements of the Malaga Code.

2. All Users subject to Federal categorical pretreatment standards shall comply with all applicable reporting requirements specified in 40CFR403.12.

3. The User shall immediately notify the District prior to any new or changed discharge, and shall immediately notify the District (phone 559-485-7353) of any wastewater discharge which is not in compliance with the Permit or the Malaga Code, or which might be reasonably judges to constitute a hazard to District personnel, the wastewater treatment system, or the environment.

4. User shall immediately notify the District of any changes that occur at the facility affecting the potential for a Slug Discharge so that the POTW may reevaluate the need for a Slug Control Plan or other actions to prevent such Discharges.

5. The User shall provide a site plan showing the location of all wastewater treatment facilities (grease traps, sand separators, etc.)

6. User shall monitor grease traps weekly and record scum and solids levels.

7. Users shall maintain a District approved hazardous waste inventory accounting system which includes a bound log book containing permanent entries that account, either by mass or by volume, for the disposition of substances prohibited by the Malaga Code or this Permit.

8. Users shall keep waste hauler reports on file for a period of three years.

9. User shall maintain a manifest from all trucks washed at a truck wash facility. A copy of the manifest shall be submitted to the District on demand to confirm the contents of trucks washed out.

10. Users shall maintain a log of all wastewater and solids removed from the premise, to include the destination of the hauled materials. Submit copies of the log on a quarterly basis to MCWD for the first year and annually thereafter.

11. Monitoring results obtained must be summarized and reported in a format acceptable to the District.

12. Reports for parameters with a continuous monitoring frequency must be submitted monthly. The reports are due within 15 days after the end of each calendar month.

13. Reports for parameters with a designated monitoring frequency must be submitted within 15 days after the reporting period.

14. All monitoring reports must indicate the nature and concentration of all pollutants in the effluent for which sampling and analysis were performed during the reporting period preceding the submission of each report, including measured maximum and average daily flows.

15. All reports required by this Permit must be submitted to the Malaga County Water District at the following address:

Malaga County Water District
Environmental Compliance Inspector
3580 S. Frank Street
Fresno, CA 93725

G. Recordkeeping.

Users subject to the reporting requirements of this Code shall retain, and make available for inspection and copying, all records of information obtained pursuant to any monitoring activities required by this Code, any additional records of information obtained pursuant to monitoring activities undertaken by the User independent of such requirements, and documentation associated with Best Management Practices established under this Code. Records shall include the date, exact place, method, and time of sampling, and the name of the person(s) taking the samples; the dates analyses were performed; who performed the analyses; the analytical techniques or methods used; and the results of such analyses. These records shall remain available for a period of at least three (3) years. This period shall be automatically extended for the duration of any litigation concerning the User or the District, or where the User has been specifically notified of a longer retention period by the General Manager, or his or her designee.

H. Certification Statements

1. The User is required to sign and submit the following certification statement if granted use of a Toxic Organic Management Plan in lieu of reporting Priority Pollutants:

"Based on my inquiry of the permit or persons directly responsible for managing compliance with the pretreatment standard for Priority Pollutants (PP's), I certify that, to the best of my knowledge and belief, no dumping of concentrated priority pollutant toxic organics into the wastewaters has occurred since filing of the last discharge monitoring report. I further certify that this facility is implementing the Toxic Organic Management Plan submitted to the Control Authority."

2. The User is required to sign and submit the following certification statement with all monitoring reports:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are

signification penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

3. All reports required by this Permit must be submitted to the Malaga County Water District at the following address:

   Malaga County Water District
   Environmental Compliance Inspector
   3580 S. Frank Street
   Fresno, CA 93725

I. Annual Publication

As required by the Act, the District's Pretreatment Program, and the Malaga Code, a list of all industries which were in significant noncompliance of applicable federal pretreatment standards or other pretreatment requirements during the twelve (12) previous months shall be annually published by the District in the largest daily newspaper within its service area. Accordingly, the User is apprised that noncompliance with this permit may lead to an enforcement action and may result in publication of its name in an appropriate newspaper. For purposes of this provision, significant noncompliance is defined under 40 CFR 403.8 (f)(2)(vii).

Part 4: Other Conditions

A. Automatic Re-sampling

If the results of the User's wastewater analysis indicate that a violation of this Permit has occurred, the User must:

1. Inform the Malaga County Water District of the violation within 24 hours;

2. Repeat sampling and pollutant analysis and submit, in writing, the results of this second analysis within 30 days of becoming aware if the first violation;

3. Continue repeat sampling until it is determined that the violation has ceased.

4. Pursuant to the provisions of the Malaga Code, the District shall have the ability to sample and analyze any time the District deems appropriate.

B. Accidental Discharge and Reporting

The user must notify the Malaga County Water District immediately upon the occurrence of spills, including, but not limited to, accidental discharges, discharges of a nonroutine, episodic nature, a noncustomary batch discharge, slug loads or slug

discharges, that might potential problems for the POTW, or spills that might enter the public sewer. During normal business hours the Malaga County Water District should be notified by telephone at 559-485-7353. The notification must include location of discharge; date and time of discharge; type of waste, including concentration and volume; and corrective actions taken. The User's notification of accidental release in accordance with this section does not relieve it of other reporting requirements that arise under local, state, or federal laws.

Within 5 days following an accidental discharge, the User shall submit to the District Malaga County Water a detailed written report. The report must specify:

1. Description and cause of the upset, slug load, or accidental discharge; the cause thereof; and the impact on the User's compliance status. The description should also include location of discharge and type, concentration, and volume of waste.

2. Duration of noncompliance, including exact dates and times of noncompliance and, if the noncompliance is continuing, the time by which compliance is reasonably expected to occur.

3. All steps taken or to be taken to reduce, eliminate, and/or prevent recurrence of such an upset, slug load, accidental discharge, or other conditions of noncompliance.

C. <u>Pretreatment Systems</u>

1. The District may require Users to install and operate at their own expense the following pretreatment systems:

    i. A grease interceptor approved by the District which (a) prevents excessive grease and oil from entering the sewage system (b) provides at least 1250 gallons storage capacity, at least two compartments, baffles to retain floatable greases and oils and a sampling port and (c) excludes any Sanitary Wastewater from entering the interceptor.

    ii. A grit interceptor approved by the District which (a) prevents sand and settleable grit from entering the sewage system (b) provides a 30-minute detention time base on peak wastewater rate, a minimum capacity of 500 gallons, at least two compartments, baffles to reduce wastewater velocity sufficiently to settle sand and grit and (c) excludes any sanitary wastewater from entering the interceptor.

2. Use of the following pretreatment systems shall not violate any portion of the Malaga Code nor inhibit wastewater treatment systems:

iii. To operate and maintain any garbage grinders in a manner which prevents discharge of wastewater in violation of the Malaga Code.

iv. To operate and maintain any water softening units in strict accordance with manufacturer's instructions and in a manner to minimize salts discharge into sewage system.

D. Removed Substances

1. Solids, sludges, filter backwash or other pollutants removed from wastewater in the course of pretreatment or the control of wastewater must be disposed of in accordance with section 405 of the Clean Water Act and Subtitles C and D of the Resource Conservation and recovery Act.

2. Removed Substances shall not be allowed to enter the sewer collection system, nor any storm drain, nor any outfall or drain which leads to a storm water collection system or a water catchment system intended for ground water recharge purposes.

3. Removed substances shall not be retained on the property of the User and shall be properly disposed of as indicated above.

E. Slug Discharge Control Requirements

The User is required to submit and implement a slug discharge control plan if directed by the District. Determination of the requirement for a slug discharge plan shall be made during an initial facility inspection by the District. If it is determined that due to batch discharge or plug flow the WWTF could be hydraulically or biologically overloaded, a slug discharge plan shall be developed and implemented. The slug discharge control plan must include, at a minimum, the following:

1. Description of discharge practices, including non-routine batch discharges.

2. Description of stored chemicals.

3. Procedures for immediately notifying the Malaga County Water District of slug discharges, including any discharge that would violate prohibition under 40CFR 403.5(b), with procedures for follow-up written notification within five days.

4. Procedure to limit any impact on maximum allowable head works loading of the WWTF.

5. Procedures to prevent adverse impact from accidental spills, including inspection and maintenance of storage areas, handling and transfer of

materials, loading and unloading operations, control of plant site runoff, worker training, building of containment structures or equipment, measures for containing toxic organic pollutants, and measures and equipment for emergency response.

F. Compliance Schedule

Pursuant to the Enforcement Response Plan, the following levels of escalating enforcement and administrative citations have been established:

1. Warning Notice, and any associated Notices of Non-Compliance;

2. Notice of Violation, and any associated Notices of Non-Compliance;

3. Consent Order, and any associated Notices of Non-Compliance;

4. Compliance Order, and any associated Notices of Non-Compliance; and

5. Show Cause Order, and any associated Notices of Non-Compliance.

i. In the event of any notice or order for compliance, a schedule for compliance shall be included. The User is responsible to meet the schedule for compliance, and shall be penalized according to the provisions of the Enforcement response Plan for failing to do so.

ii. No later than 14 days following the date of the notice or order, the user must submit to the Malaga County Water District a written report including, at a minimum, whether it complied with the increment of progress to be met on such date and, if not, the date on which it expects to comply with the increment of progress, the reasons for delay, and the steps being taken to return the project to the schedule established.

G. Potential Non-Compliance

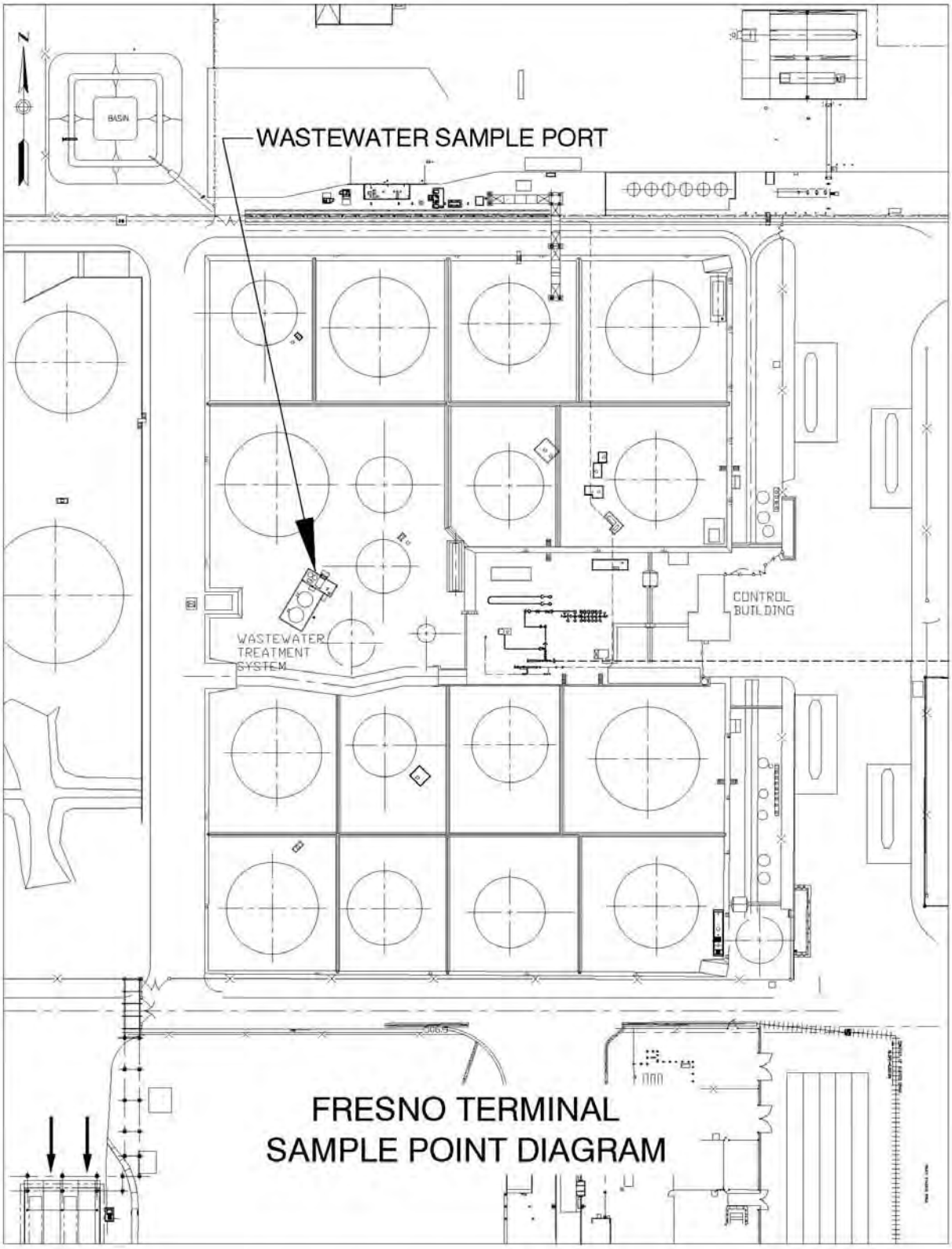
The User must immediately inform the District in the event of the potential for non-compliance for any known reason. Failure to report the potential for non-compliance may result in a harsher penalty for a non-compliance event that was known to pre-exist.

Part 5: Failure to Meet Discharge Limits

Users that absolutely cannot meet, due to their nature of discharge, local limits or discharge limits contained within the Act, after having installed best available pretreatment systems, are required to have their wastewater hauled off to another disposal site.

Attachment 1

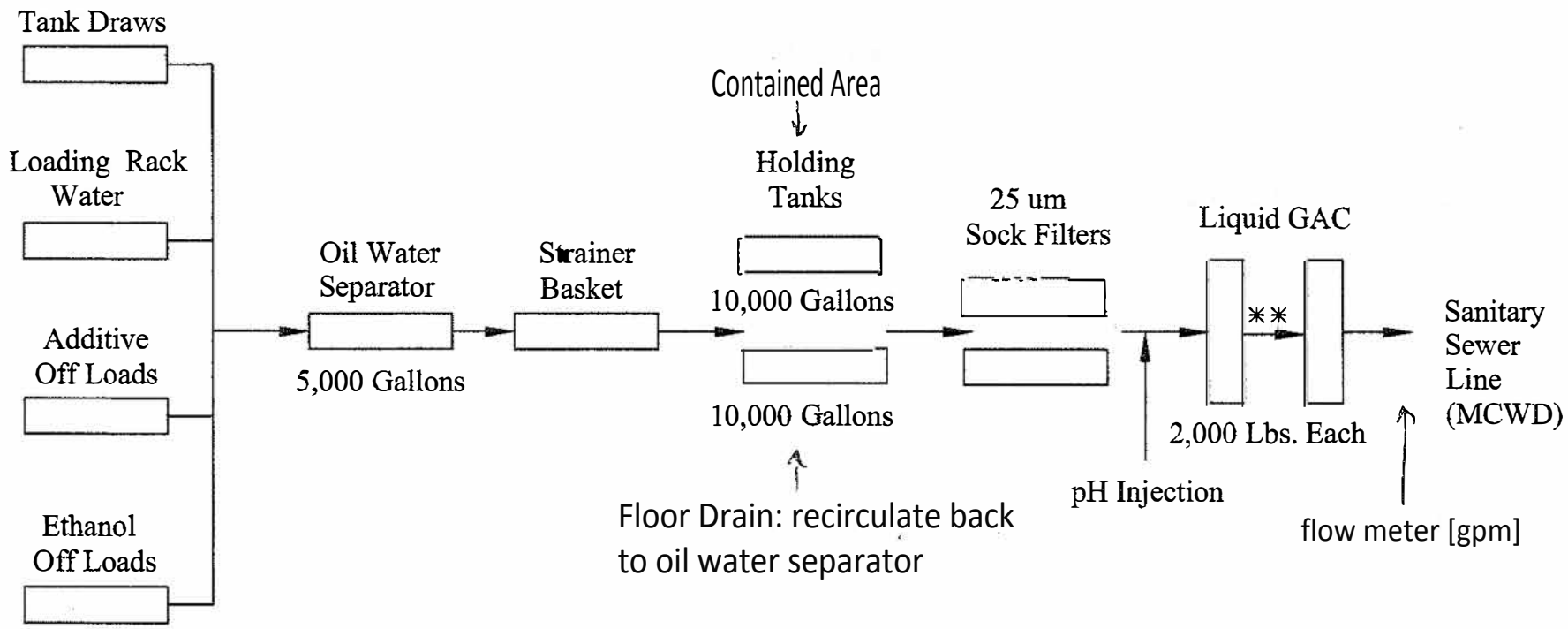
Site Map


N
BASIN
WASTEWATER SAMPLE PORT
WASTEWATER TREATMENT SYSTEM
CONTROL BUILDING
FRESNO TERMINAL
SAMPLE POINT DIAGRAM

Attachment 2

Schematics Diagram

FRESNO TERMINAL
WASTEWATER MANAGEMENT SYSTEM *



* Subject to Tiered Permitting - Conditional Authorization
** Liquid GAC to Operate In Series Mode

[FR-WASTEWATER]
[05-24-12]

Attachment 3

Sample Point Location

Description: Samples are taken from a valve labeled “sample port.” It is located after the granular activated carbon vessels and the pH adjuster.

ample
Port

MALAGA COUNTY WATER DISTRICT

3580 SOUTH FRANK STREET
FRESNO, CALIFORNIA 93725
PHONE (559) 485-7353
FAX (559) 485-7319

NON-RESIDENTIAL

WASTEWATER DISCHARGE PERMIT

Permit No: 1098 **MCWD Account No:** 033

Industrial User:	Speedy Truck Wash, Inc.	**Class:** 1	
Mailing Address:	3846 S. Front Avenue	Significant Industrial User	
	Fresno, CA 93725	Non-Categorical	
Facility Address:	3846 S. Front Avenue	Slug Discharge Plan not required	
	Fresno, CA 93725		
Authorized Rep:	Sukhdev Singh Gill	**Phone No:**	559-485-3300
Title:	Owner		
Contact:	Harjit Singh	**Phone No:**	559-801-1599
APN:	331-130-37		
SIC No:			
Fee:	$ 1262.78		
No. of Employees:	4		
Effective Date:	01/01/2016		
Expires:	12/31/2016	**Sewer Unit Allocation:**	9

Authorized District Signature: _____ Issue Date: 12/15/2015
District Manager

This permit authorizes the Permitee to discharge non-residential wastewater in accordance with the terms and conditions specified herein, provided that all other District requirements are met. Other District requirements include, but are not necessarily limited to, paying sewer connection fees and annexation fees and obtaining a sewer connection permit.

Industrial User Wastewater Discharge Permit

Part 1: Standard Conditions

A. Duty to Comply

The permitted Industrial User ("User") shall comply with all of the conditions of this Industrial Wastewater Discharge Permit ("Permit") and all of the provisions, terms, and requirements of the Malaga Code ("Code"), the Pretreatment Program, the Clean Water Act ("Act") and all orders, ordinances, rules, resolutions, and regulations of the District, including but not limited to connection permits and baseline discharge requirements. Failure to comply with the requirements of this permit may be grounds for enforcement action, including civil or criminal penalties, injunctive relief and summary abatements as set forth in the District's Enforcement Response Plan ("ERP").

B. Duty to Mitigate

The User shall take all reasonable steps to minimize or correct any adverse impact to the wastewater treatment system or the environment resulting from noncompliance with this Permit including such accelerated or additional monitoring and sampling or other orders as necessary to determine the nature and impact of and to correct the non-complying discharge.

C. Permit Modification

The District may modify the Permit for good cause, including but not limited to, the following reasons:

1. To incorporate any new or revised Federal, State, or local pretreatment standards or requirements;

2. To address significant alterations or additions to the User's operation, processes, or wastewater volume or character since the time of the individual wastewater discharge Permit issued;

3. A change in any process or discharge condition in either the industrial user or the POTW that requires either a temporary or permanent reduction or elimination of the authorized discharge;

4. Information indicating that the permitted discharge poses a threat to the Control Authority's collection and treatment systems, WWTF and equipment, personnel or the receiving waters;
5. Violation of any terms or conditions of the Permit;

6. Misrepresentation or failure to disclose fully all relevant facts in the Permit application or in any required reporting;

7. Revision of or a grant of variance from such categorical standards pursuant to 40 CFR 403.13;

8. To correct typographical or other errors in the Permit;

9. To reflect of the facility ownership and/or operation to a new owner/operator; or

10. Upon request of the User, provided such request does not create a violation of any applicable requirements, standards, laws, or rules and regulations.
11. The filing of a request by the User for a Permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay or modify any Permit condition.

D. <u>Retention of Records</u>

In addition to the record keeping requirements of the Malaga Code, Pretreatment program and the Act, the User shall retain records as follows:

1. The industrial user shall retain records of all monitoring information, copies of all reports required by this permit and records of all data used to complete the application for this permit, for a period of at least three years from the date of the sample, measurement, report or application. This period may be extended by the request of the District at any time.

2. All records that pertain to matters that are the subject of special orders or any other enforcement or litigation activities brought by the District shall be retained and preserved by the industrial user for three years after all enforcement activities have concluded and the time to bring any appeal(s) have expired.

E. <u>Permit Termination</u>

This Permit may be terminated for the following reasons:

1. Failure to notify the District of significant changes to the wastewater prior to the change discharge;

2. Failure to provide prior notification to the District of changed conditions;

3. Misrepresentation or failure to fully disclose all relevant facts in wastewater discharge Permit application;

4. Falsifying self-monitoring reports and/or certification statements;

5. Tampering with monitoring equipment;

6. Refusing to allow timely access to the facility premises and records;

7. Failure to meet effluent limitations;

8. Failure to pay fines;

9. Failure to pay sewer charges;

10. Failure to meet compliance schedules;

11. Failure to complete a wastewater survey and renewal form, or the wastewater discharge Permit application;

12. Failure to provide advance notice of the transfer of business ownership of a permitted facility; or

13. Violation of any pretreatment standard or requirement including required BMPs contained in the Code, or the wastewater discharge Permit, or the Pretreatment Program.

F. Notification and Reporting

1. In addition to the record keeping and reporting requirements of the Malaga Code, the Pretreatment Program, and the Act, the User shall notify the District prior to any new or changed discharge, and shall immediately notify the District at (559) 485-7353 of any wastewater discharge which is not in compliance with this Permit, or the Pretreatment Program, or the Code, or which might be reasonably judged to constitute a hazard to District personnel, the wastewater treatment system, or the environment.

2. The User shall furnish any information relating to wastewater discharge quantity and quality as required by the District, and shall comply with all reporting requirements specified in this Permit.

G. Costs and Fees

1. The User shall pay all fees required by District ordinances, including but not limited to, permit fees, connection fees, annexation fees, bond debt services charges, and sewer unit fees.

2. The User shall also pay any additional cost or expenses incurred by the District for handling and treating excess loads imposed on the treatment system and any cost or expense incurred by the District in the enforcement of the provisions of its ordinances and the correction of violations thereof.

H. Facilities

1. The User shall make wastewater acceptable under the limitations of the Code and the Pretreatment Program before discharging to the sewage system. Any facilities required to pretreat wastewater to a level acceptable to the District shall be provided and maintained at the User's expense. Detailed plans showing the pretreatment facilities and operating facilities shall be submitted to the District for review, and shall be acceptable to and approved by the District, in writing, before construction of the facility. The review of such plans and operating procedures will in no way relieve the User from the responsibility of modifying the facility as necessary to produce an effluent acceptable to the District under the provisions of the Malaga Code. Any subsequent changes in the pretreatment facilities or method of operation shall be reported to, and be approved in writing by, the District.

2. Pretreatment facilities (including sampling and flow monitoring facilities) shall be maintained in good working order and shall be operated so as to ensure continuous compliance with District ordinances, resolutions, rules and regulations, and any applicable permits by the User at the User's own cost and expense. Pretreatment facilities are at all times subject to the requirements of these rules and regulations and all other applicable codes, ordinances, and laws. Intermittent operation of pretreatment facilities except as provided for in writing by the District during discharge to the sewage system is prohibited.

3. All solids, sludge, filter backwash or other pollutants removed by pretreatment facilities shall not be discharged to the sewage system, nor allowed to enter any storm water or ground water recharge system, nor allowed to seep into the ground, but shall be stored, treated and/or disposed of in accordance with applicable County, State and Federal regulations.

I. Right of Entry

Pursuant to the provisions of the Malaga Code, the User shall allow District personnel, upon the presentation of credentials, to enter upon any property or premises, the User, by accepting any permit issued pursuant to the Code, does hereby consent and agree to the entry upon the premises, described in the Permit, by District personnel for the following purposes as required by the Permit at all reasonable times:

1. Reviewing and copying any records required to be kept under the provisions of the Malaga Code;

2. Inspecting any monitoring equipment, pretreatment facility or discharge-producing process;

3. Inspecting and/or sampling any discharge of wastewater to the wastewater facilities. District personnel may enter upon the property at any hour under emergency circumstances. In the event of such emergency entry, District personnel shall make every effort to immediately notify the User's designated agent;

4. To investigate the possible violation of the Malaga Code or Permit;

5. To photograph any waste, waste container, vehicle, waste treatment process, discharge location, or violation discovered during an inspection.

6. Users shall cooperate at all times with authorized District personnel in the inspection, sampling and study of the User's facilities and wastewater.

J. Duration

The terms and conditions of this Permit shall remain in effect until either:

1. The Permit is modified;

2. The Permit is revoked;

3. The Permit expires and cause is determined for non-renewal of the Permit;

4. Failure of the District to act upon a valid Permit application or renewal application shall allow for automatic extension of operations under existing Permit conditions until such District action is complete.

5. Failure of the District to act upon a valid Permit application or renewal application shall allow for automatic extension of operations under existing Permit conditions until such District action is complete.

6. This Permit allows the User to operate only one industrial wastewater discharge point to the sewer collection system.

K. Severability

The provisions of this Permit are severable, and if any provisions of this Permit or the application of any provision of this Permit to any circumstances is held invalid, the application of such provision to other circumstances and the remainder of the Permit shall not be affected hereby.

L. Transferability

This Permit shall not be reassigned, transferred, or sold to a new owner, new user, different premises, or to a new or changed operation.

M. Enforcement and Penalties

Failure to comply with any of the provisions of this Permit, the Malaga Code, or applicable State or Federal laws or regulations may result in any or all of the following actions:

1. Administrative actions including but not limited to Notices of Violation, Administrative Orders, Administrative Citations, Administrative Complaints, Administrative Hearings, Governing Board Hearings, Compliance Orders, Orders to Show Cause and civil penalties in an amount of not less than one thousand dollars ($1,000) per day, per violation;

2. Legal actions including but not limited to preliminary or permanent injunctions, or both;

3. Civil and/or criminal penalties;

4. Permit revocation;

5. Temporary or permanent disconnection from the District's sewerage system;

6. Water supply severance.

N. Appeals

Any User affected by any decision, action, or determination, including Administrative Orders, issued by the District, interpreting or implementing he provisions of The Malaga Code or any permit or Order issued thereunder, may file with the District a written request for reconsideration within ten (10) days of such decision, action, or determination, setting forth in detail in facts supporting the User's request for reconsideration.

If the ruling made by the Manager is unsatisfactory to the person requesting reconsideration, this person may, within ten (10) days after notification of District action, file a written appeal to the District's Board of Directors. The written appeal shall be heard by the body within sixty (60) days from the date of filing. The District's Board of Directors shall make a final ruling on the appeal within ten (10) days of the close of the meeting. The Manager's decision, action, or determination shall remain in effect during such period of reconsideration.

Any User aggrieved by a final order issued by the Board of Directors may obtain review of the order of the Board in the Superior Court by filing in the court a petition for writ of

mandate within thirty (30) days following the service of a copy of a decision and order issued by the Board.

If no aggrieved party petitions for writ of mandate within the time provided by this section, an order of the Board shall not be subject to review by any court or agency, except that the Board may grant review on its own motion after the expiration of the time limits.

O. Definitions

The following definitions below are intended to serve only as references to the definitions contained within the Malaga Code and do not overwrite any of those aforementioned definitions.

1. Composite Sample. A representative sample, formed either by continuous sampling or by mixing discrete samples. The sample may be composited either as a:

    i. Time based composite sample: composed of discrete sample aliquots collected in one container at constant time intervals providing representative samples irrespective of stream flow; or a

    ii. flow-proportional composite sample: collected either as a constant sample volume at time intervals proportional to stream flow, or collected by increasing the volume of each aliquot as the flow increases while maintaining a constant time interval between the aliquots.

2. Daily Maximum. The maximum allowable discharge limit of a pollutant expressed in units of mass per day. Where daily maximum limits are expressed in terms of a concentration, the daily discharge is the arithmetic average measurement of the pollutant concentration derived from all measurements taken that day.

3. Grab Sample. An individual sample collected without regard for flow or time.

4. Instantaneous Maximum Concentration. The maximum concentration allowed in any single grab sample.

5. Cooling Water. Either,

    i. Uncontaminated – Water used for cooling purposes only which has no direct contact with any raw material, intermediate, or final product and which does not contain a level of contaminants detectably higher than that of the intake water.

ii. Contaminated – Water used for cooling purposes only which may become contaminated either through the use of water treatment chemicals used for corrosion inhibitors or biocides, or by direct contact with process materials and/or wastewater.

6. Monthly Average. The arithmetic mean of the values for effluent samples collected during a calendar month or specified 30 day period (as opposed to a rolling 30 day window). Compliance with the monthly average discharge limit is required regardless of the number of samples collected and analyzed.

7. Bi-Weekly. Once every other week.

8. Bi-Monthly. Once every other month.

9. Upset. An exceptional incident resulting in temporary and unintentional non-compliance because of factors beyond the reasonable control of the discharger.

10. Bypass. Means the diversion of wastes from any portion of a pretreatment process or facility.

11. Slug Discharge. Any discharge of a non-routine, episodic nature, including but not limited to an accidental spill or a non-customary batch discharge, which has a reasonable potential to cause interference or pass through, or in any other way violate the POTW's regulations, local limits or permit conditions.

12. Batch Discharge. A single, episodic discharge of accumulated waste, as opposed to a continuous, uninterrupted flow of waste material.

P. Dilution

The User shall not increase the use of potable water or process water or, in any way, attempt to dilute a discharge as a partial or complete substitute for adequate treatment to achieve compliance with a discharge limitation unless expressly authorized by an applicable Pretreatment Standard or Requirement. The District may impose mass limitations to meet applicable Pretreatment Standards or requirements, or in other cases when the imposition of mass limitations is appropriate.

Part 2: Discharge prohibitions and Limitations

A. Standard Discharge Prohibitions

The User shall comply with all discharge prohibitions and limitations specified in the Malaga Code, the Pretreatment Program, and this Permit. Prohibitions include but are not limited to:

1. Any materials that may cause interference or pass through;

2. Oils and Grease in any amounts that may cause an obstruction in the sewer collection system;

3. Explosive mixtures;

4. Noxious materials;

5. Shredded garbage;

6. Solid or viscous waste that cause an obstruction or decrease flow in the sewer collection system to less than two feet per second;

7. Slug loads not coordinated with the District by a Slug Control Plan;

8. Toxic or hazardous materials;

9. Unpolluted waters;

10. Wastes with objectionable color or odor;

11. Corrosive waste;

12. Trucked or hauled waste;

13. Sludges, screenings, or other residues from wastewater pretreatment;

14. Medical wastes;

15. Detergents, surface active agents, or other substances that may cause excessive foaming at the WWTF;

16. Any substance that will interfere or upset the treatment process at the WWTF;

17. Any substance that may result in the WWTF exceeding NPDES permit limits.

18. Any bypass as defined in Part 1(O)(10) of this permit.

B. Discharge Local Limits

1.

Parameter	Discharge Local Limit	Specific Conditions
pH	6.0 - 9.0	pH is an instantaneous reading and cannot be averaged
Electrical Conductivity (EC)	950 µmhos/cm	Monthly average
Biochemical Oxygen Demand (BOD)	1,000 mg/L	Monthly average
Suspended Solids	1,000 mg/L	Monthly average
Chemical Oxygen Demand (COD)	1,000 mg/L	Monthly average
Oil and Greases	100 mg/L	Monthly average

A User which has a flow volume of less than 3,000 gallons per day or less than 45,000 gallons per month shall have a maximum concentration limit for Electrical Conductivity of 7,000 µmhos/cm except that such discharge shall not be an incompatible Pollutant nor shall it pass through the POTW or interfere with the POTW.

2. Animal and vegetable (polar) O&G not greater than 300 mg/l;

3. Discharge of the following Pollutants of Concern (POC's) above Local Limits:

Pollutant	Local Limit
Iron	1.0 mg/l as a monthly average
Lead	5.0 mg/l as a monthly average
Silver	5.0 mg/l as a monthly average
Arsenic	5.0 mg/l as a monthly average
Benzene	5.0 mg/l as a monthly average
Phenols	1.0 mg/l as a monthly average
Cadmium	0.10 mg/l as a monthly average
Zinc	5.0 mg/l as a monthly average
Chromium	5.0 mg/l as a monthly average
Copper	5.0 mg/l as a monthly average
Aluminum	5.0 mg/l as a monthly average
Mercury	0.20 mg/l as a monthly average
Barium	10.0 mg/l as a monthly average
Nickel	5.0 mg/l as a monthly average
Selenium	1.0 mg/l as a monthly average
Boron	8.0 mg/l as a monthly average
Chloride	
Cyanide	
Ammonia, as N	
Nitrite + Nitrate, as N	
Phosphorus	
Fluoride	
Diazinon	
Calcium	

Magnesium

4. Discharge of wastewater that:

   i. Contains solids that will not pass through a 20 per square inch mesh;

   ii. Has a temperature greater than 104 degrees Fahrenheit;

   iii. Has an alkalinity that is greater or less than 10% of source water;

Part 3: Monitoring and Reporting Requirements

A. General Monitoring Requirements

1. The Manager may require any User to monitor wastewater discharge and submit monitoring reports to the District, at a frequency specified by the District.

2. The User shall comply with all monitoring requirements specified in this Permit or otherwise required, in writing, by the District.

3. Flow monitoring and sampling equipment may be required and shall comply with all applicable provisions of this Permit and the Malaga Code.

4. If required, laboratory analysis of industrial wastewater samples shall be performed in accordance with the approved test procedures specified in 40CFR136 unless otherwise authorized, in writing, by the District.

5. If required, all samples must be collected, preserved, and analyzed in accordance with the procedures established in 40 CFR Part 136, and amendments.

6. If required, the User shall have an automated sampler that shall be maintained in accordance with manufacturer's recommendations, shall be cleaned once per month when in use, and samples shall be maintained at 4.0°C (±2.0°C).

7. If required, the User shall operate and maintain an effluent flowmeter, have it electronically calibrated annually and hydraulically calibrated every three years by a recognized professional in flowmeter testing and repair, and provide proof of calibration to the District prior to July 31 annually.

8. If required, continuous on-line monitoring equipment shall be maintained and calibrated in accordance with manufacturer's specifications.

9. If required, to install, operate and maintain at User's cost and expense an automatic, permanent wastewater flow monitoring system approved by the District which provides a primary flow measuring device, indication, recording

and totalizing of flow and a signal generating device that can be used to activate the District's and other automatic samplers.

10. If required, to install, operate and maintain at User's cost and expense an automatic wastewater sampling system approved by the District which provides a flow proportional composite sample, a sample volume of not less than two liters, refrigerated storage and self-purging capability.

11. If required, to install, operate and maintain at User's cost and expense an automatic pH recording system approved by the District which provides a pH recording instrument and a pH probe located downstream of all Pretreatment operations and just before discharge to the sewage system.

12. If required, to install, operate and maintain at User's cost and expense a batch pH neutralization system approved by the District which provides a storage facility for wastewater of pH less than 6.0 or greater than 9.0, a pH measuring device, neutralizing agent and a permanently bound record of pH neutralization before discharge to the sewage system.

13. If required, to install, operate and maintain at User's cost and expense an automatic pH recording and control system approved by the District which provides a pH recording instrument, a pH probe located downstream of all Pretreatment operations and just before discharge into the sewage system, storage for a neutralizing agent, a neutralization chamber, a continuous neutralizing agent injection system activated by pH level and adequate agitation.

B. Sampling Point Location

1. The Sampling Point Location shall be designated at the following location:

Sampling Point Location Name	Location Description
001	There is a metal tank with a series of compartments. The west compartment that is connected to the exit pipe is the sampling point. See attachment.

2. **Both the User and the District personnel are required to sample from the same sampling point location (001).**

C. Specific Monitoring and Reporting Requirements

The District will conduct all sampling and reporting requirements for truck washing facilities classified as non-categorical significant industrial users. In accordance to 40 CFR 403.12 (h), the District will analyze the user's discharge at least once every six months in order to obtain a description of the nature, concentration, and flow of the pollutants.

D. The User self-monitors discharge on a voluntary basis and have installed monitoring equipment independent of the District. The District is not responsible for the performance of self-monitoring equipment nor shall any monitoring records derived from self-monitoring equipment be used to demonstrate compliance.

E. The User may be required to submit an annual monitoring report of the following Pollutants of Concern (POC's) listed below:

1. Ammonia, as N
2. Nitrite + Nitrate, as N
3. Oil and Grease (HEM-polar)
4. Oil And Grease (Petroleum-non polar)
5. Alkalinity
6. Hardness
7. Calcium
8. Magnesium
9. Boron
10. Chloride
11. Cyanide
12. Phosphorus
13. Fluoride
14. Diazinon
15. Iron
16. Lead
17. Silver
18. Arsenic
19. Benzene
20. Phenols
21. Cadmium
22. Zinc
23. Chromium
24. Copper
25. Aluminum
26. Mercury
27. Barium
28. Nickel
29. Selenium

F. <u>Priority Pollutants</u>

The User may be required to monitor Priority Pollutants listed below. In lieu of monitoring for Priority Pollutants, the User may submit a toxic organics management plan (TOMP) to the District for approval. Preparation of the TOMP must be done in accordance with EPA regulations and approved by the District. If approved, the User may submit the certification statement as set forth in Part 3.5.a of this Permit. If the User fails to certify, sign, and submit the certification statement, the User will be required to conduct Priority Pollutant monitoring.

Appendix A to 40 CFR, Part 423--126 Priority Pollutants

001 Acenaphthene
002 Acrolein
003 Acrylonitrile
004 Benzene
005 Benzidine
006 Carbon tetrachloride (tetrachloromethane)
007 Chlorobenzene
008 1,2,4-trichlorobenzene
009 Hexachlorobenzene
010 1,2-dichloroethane
011 1,1,1-trichloreothane
012 Hexachloroethane
013 1,1-dichloroethane
014 1,1,2-trichloroethane
015 1,1,2,2-tetrachloroethane
016 Chloroethane
018 Bis(2-chloroethyl) ether
019 2-chloroethyl vinyl ether (mixed)
020 2-chloronaphthalene
021 2,4, 6-trichlorophenol
022 Parachlorometa cresol
023 Chloroform (trichloromethane)
024 2-chlorophenol
025 1,2-dichlorobenzene
026 1,3-dichlorobenzene
027 1,4-dichlorobenzene
028 3,3-dichlorobenzidine
029 1,1-dichloroethylene
030 1,2-trans-dichloroethylene
031 2,4-dichlorophenol
032 1,2-dichloropropane
033 1,2-dichloropropylene (1,3-dichloropropene)
034 2,4-dimethylphenol
035 2,4-dinitrotoluene
036 2,6-dinitrotoluene
037 1,2-diphenylhydrazine
038 Ethylbenzene
039 Fluoranthene
040 4-chlorophenyl phenyl ether
041 4-bromophenyl phenyl ether
042 Bis(2-chloroisopropyl) ether
043 Bis(2-chloroethoxy) methane
044 Methylene chloride (dichloromethane)
045 Methyl chloride (dichloromethane)
046 Methyl bromide (bromomethane)
047 Bromoform (tribromomethane)
048 Dichlorobromomethane
051 Chlorodibromomethane
052 Hexachlorobutadiene
053 Hexachloromyclopentadiene
054 Isophorone
055 Naphthalene
056 Nitrobenzene
057 2-nitrophenol
058 4-nitrophenol
059 2,4-dinitrophenol
060 4,6-dinitro-o-cresol
061 N-nitrosodimethylamine
062 N-nitrosodiphenylamine
063 N-nitrosodi-n-propylamin
064 Pentachlorophenol
065 Phenol
066 Bis(2-ethylhexyl) phthalate
067 Butyl benzyl phthalate
068 Di-N-Butyl Phthalate
069 Di-n-octyl phthalate
070 Diethyl Phthalate
071 Dimethyl phthalate
072 1,2-benzanthracene (benzo(a) anthracene
073 Benzo(a)pyrene (3,4-benzo-pyrene)
074 3,4-Benzofluoranthene (benzo(b) fluoranthene)
075 11,12-benzofluoranthene (benzo(b) fluoranthene) 076 Chrysene
077 Acenaphthylene
078 Anthracene
079 1,12-benzoperylene (benzo(ghi) perylene) 080 Fluorene
081 Phenanthrene
082 1,2,5,6-dibenzanthracene (dibenzo(,h) anthracene)
083 Indeno (,1,2,3-cd) pyrene (2,3-o-pheynylene pyrene)
084 Pyrene
085 Tetrachloroethylene
086 Toluene
087 Trichloroethylene
088 Vinyl chloride (chloroethylene)
089 Aldrin
090 Dieldrin
091 Chlordane (technical mixture and metabolites)
092 4,4-DDT
093 4,4-DDE (p,p-DDX)
094 4,4-DDD (p,p-TDE)
095 Alpha-endosulfan
096 Beta-endosulfan
097 Endosulfan sulfate
098 Endrin
099 Endrin aldehyde
100 Heptachlor
101 Heptachlor epoxide (BHC-hexachlorocyclohexane)
102 Alpha-BHC
103 Beta-BHC
104 Gamma-BHC (lindane)
105 Delta-BHC (PCB-polychlorinatedbiphenyls)
106 PCB-1242 (Arochlor 1242)
107 PCB-1254 (Arochlor 1254)
108 PCB-1221 (Arochlor 1221)
109 PCB-1232 (Arochlor 1232)
110 PCB-1248 (Arochlor 1248)
111 PCB-1260 (Arochlor 1260)
112 PCB-1016 (Arochlor 1016)
113 Toxaphene
114 Antimony
115 Arsenic
116 Asbestos
117 Beryllium
118 Cadmium
119 Chromium
120 Copper
121 Cyanide, Total
122 Lead
123 Mercury
124 Nickel
125 Selenium
126 Silver
127 Thallium
126 Silver
128 Zinc
129 2,3,7,8-tetrachloro-dibenzo-p-dioxin (TCDD)

F. Reporting Requirements

1. The District may require any User to submit monitoring reports in a format and at a frequency specified by the General Manager. The User shall comply with all reporting requirements specified in this Permit or otherwise required, in writing, by the District and all monitoring and reporting requirements of the Malaga Code.

2. All Users subject to Federal categorical pretreatment standards shall comply with all applicable reporting requirements specified in 40CFR403.12.

3. The User shall immediately notify the District prior to any new or changed discharge, and shall immediately notify the District (phone 559-485-7353) of any wastewater discharge which is not in compliance with the Permit or the Malaga Code, or which might be reasonably judges to constitute a hazard to District personnel, the wastewater treatment system, or the environment.

4. User shall immediately notify the District of any changes that occur at the facility affecting the potential for a Slug Discharge so that the POTW may reevaluate the need for a Slug Control Plan or other actions to prevent such Discharges.

5. The User shall provide a site plan showing the location of all wastewater treatment facilities (grease traps, sand separators, etc.)

6. User shall monitor grease traps weekly and record scum and solids levels.

7. Users shall maintain a District approved hazardous waste inventory accounting system which includes a bound log book containing permanent entries that account, either by mass or by volume, for the disposition of substances prohibited by the Malaga Code or this Permit.

8. Users shall keep waste hauler reports on file for a period of three years.

9. User shall maintain a manifest from all trucks washed at a truck wash facility. A copy of the manifest shall be submitted to the District on demand to confirm the contents of trucks washed out.

10. Users shall maintain a log of all wastewater and solids removed from the premise, to include the destination of the hauled materials. Submit copies of the log on a quarterly basis to MCWD for the first year and annually thereafter.

11. Monitoring results obtained must be summarized and reported in a format acceptable to the District.

12. Reports for parameters with a continuous monitoring frequency must be submitted monthly. The reports are due within 15 days after the end of each calendar month.

13. Reports for parameters with a designated monitoring frequency must be submitted within 15 days after the reporting period.

14. All monitoring reports must indicate the nature and concentration of all pollutants in the effluent for which sampling and analysis were performed during the reporting period preceding the submission of each report, including measured maximum and average daily flows.

15. All reports required by this Permit must be submitted to the Malaga County Water District at the following address:

    Malaga County Water District
    Environmental Compliance Inspector
    3580 S. Frank Street
    Fresno, CA 93725

G. Recordkeeping.

Users subject to the reporting requirements of this Code shall retain, and make available for inspection and copying, all records of information obtained pursuant to any monitoring activities required by this Code, any additional records of information obtained pursuant to monitoring activities undertaken by the User independent of such requirements, and documentation associated with Best Management Practices established under this Code. Records shall include the date, exact place, method, and time of sampling, and the name of the person(s) taking the samples; the dates analyses were performed; who performed the analyses; the analytical techniques or methods used; and the results of such analyses. These records shall remain available for a period of at least three (3) years. This period shall be automatically extended for the duration of any litigation concerning the User or the District, or where the User has been specifically notified of a longer retention period by the General Manager, or his or her designee.

H. Certification Statements

1. The User is required to sign and submit the following certification statement if granted use of a Toxic Organic Management Plan in lieu of reporting Priority Pollutants:

"Based on my inquiry of the permit or persons directly responsible for managing compliance with the pretreatment standard for Priority Pollutants (PP's), I certify that, to the best of my knowledge and belief, no dumping of concentrated priority pollutant toxic organics into the wastewaters has occurred since filing of the last discharge monitoring

report. I further certify that this facility is implementing the Toxic Organic Management Plan submitted to the Control Authority."

2. The User is required to sign and submit the following certification statement with all monitoring reports:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are signification penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

3. All reports required by this Permit must be submitted to the Malaga County Water District at the following address:

Malaga County Water District
Environmental Compliance Inspector
3580 S. Frank Street
Fresno, CA 93725

I. Annual Publication

As required by the Act, the District's Pretreatment Program, and the Malaga Code, a list of all industries which were in significant noncompliance of applicable federal pretreatment standards or other pretreatment requirements during the twelve (12) previous months shall be annually published by the District in the largest daily newspaper within its service area. Accordingly, the User is apprised that noncompliance with this permit may lead to an enforcement action and may result in publication of its name in an appropriate newspaper. For purposes of this provision, significant noncompliance is defined under 40 CFR 403.8 (f)(2)(vii).

Part 4: Other Conditions

A. Automatic Re-sampling

If the results of the User's wastewater analysis indicate that a violation of this Permit has occurred, the User must:

1. Inform the Malaga County Water District of the violation within 24 hours;

2. Repeat sampling and pollutant analysis and submit, in writing, the results of this second analysis within 30 days of becoming aware if the first violation;

3. Continue repeat sampling until it is determined that the violation has ceased.
4. Pursuant to the provisions of the Malaga Code, the District shall have the ability to sample and analyze any time the District deems appropriate.

B. Accidental Discharge and Reporting

The user must notify the Malaga County Water District immediately upon the occurrence of spills, including, but not limited to, accidental discharges, discharges of a nonroutine, episodic nature, a noncustomary batch discharge, slug loads or slug discharges, that might potential problems for the POTW, or spills that might enter the public sewer. During normal business hours the Malaga County Water District should be notified by telephone at 559-485-7353. The notification must include location of discharge; date and time of discharge; type of waste, including concentration and volume; and corrective actions taken. The User's notification of accidental release in accordance with this section does not relieve it of other reporting requirements that arise under local, state, or federal laws.

Within 5 days following an accidental discharge, the User shall submit to the District Malaga County Water a detailed written report. The report must specify:

1. Description and cause of the upset, slug load, or accidental discharge; the cause thereof; and the impact on the User's compliance status. The description should also include location of discharge and type, concentration, and volume of waste.

2. Duration of noncompliance, including exact dates and times of noncompliance and, if the noncompliance is continuing, the time by which compliance is reasonably expected to occur.

3. All steps taken or to be taken to reduce, eliminate, and/or prevent recurrence of such an upset, slug load, accidental discharge, or other conditions of noncompliance.

C. Pretreatment Systems

1. The District may require Users to install and operate at their own expense the following pretreatment systems:

    i. A grease interceptor approved by the District which (a) prevents excessive grease and oil from entering the sewage system (b) provides at least 1250 gallons storage capacity, at least two compartments, baffles to retain floatable greases and oils and a sampling port and (c) excludes any Sanitary Wastewater from entering the interceptor.

ii. A grit interceptor approved by the District which (a) prevents sand and settleable grit from entering the sewage system (b) provides a 30-minute detention time base on peak wastewater rate, a minimum capacity of 500 gallons, at least two compartments, baffles to reduce wastewater velocity sufficiently to settle sand and grit and (c) excludes any sanitary wastewater from entering the interceptor.

2. Use of the following pretreatment systems shall not violate any portion of the Malaga Code nor inhibit wastewater treatment systems:

iii. To operate and maintain any garbage grinders in a manner which prevents discharge of wastewater in violation of the Malaga Code.

iv. To operate and maintain any water softening units in strict accordance with manufacturer's instructions and in a manner to minimize salts discharge into sewage system.

D. Removed Substances

1. Solids, sludges, filter backwash or other pollutants removed from wastewater in the course of pretreatment or the control of wastewater must be disposed of in accordance with section 405 of the Clean Water Act and Subtitles C and D of the Resource Conservation and recovery Act.

2. Removed Substances shall not be allowed to enter the sewer collection system, nor any storm drain, nor any outfall or drain which leads to a storm water collection system or a water catchment system intended for ground water recharge purposes.

3. Removed substances shall not be retained on the property of the User and shall be properly disposed of as indicated above.

E. Slug Discharge Control Requirements

The User is required to submit and implement a slug discharge control plan if directed by the District. Determination of the requirement for a slug discharge plan shall be made during an initial facility inspection by the District. If it is determined that due to batch discharge or plug flow the WWTF could be hydraulically or biologically overloaded, a slug discharge plan shall be developed and implemented. The slug discharge control plan must include, at a minimum, the following:

1. Description of discharge practices, including non-routine batch discharges.

2. Description of stored chemicals.

3. Procedures for immediately notifying the Malaga County Water District of slug discharges, including any discharge that would violate prohibition under 40CFR 403.5(b), with procedures for follow-up written notification within five days.

4. Procedure to limit any impact on maximum allowable head works loading of the WWTF.

5. Procedures to prevent adverse impact from accidental spills, including inspection and maintenance of storage areas, handling and transfer of materials, loading and unloading operations, control of plant site runoff, worker training, building of containment structures or equipment, measures for containing toxic organic pollutants, and measures and equipment for emergency response.

F. Compliance Schedule

Pursuant to the Enforcement Response Plan, the following levels of escalating enforcement and administrative citations have been established:

1. Warning Notice, and any associated Notices of Non-Compliance;

2. Notice of Violation, and any associated Notices of Non-Compliance;

3. Consent Order, and any associated Notices of Non-Compliance;

4. Compliance Order, and any associated Notices of Non-Compliance; and

5. Show Cause Order, and any associated Notices of Non-Compliance.

i. In the event of any notice or order for compliance, a schedule for compliance shall be included. The User is responsible to meet the schedule for compliance, and shall be penalized according to the provisions of the Enforcement response Plan for failing to do so.

ii. No later than 14 days following the date of the notice or order, the user must submit to the Malaga County Water District a written report including, at a minimum, whether it complied with the increment of progress to be met on such date and, if not, the date on which it expects to comply with the increment of progress, the reasons for delay, and the steps being taken to return the project to the schedule established.

G. Potential Non-Compliance

The User must immediately inform the District in the event of the potential for non-compliance for any known reason. Failure to report the potential for non-compliance may result in a harsher penalty for a non-compliance event that was known to pre-exist.

Part 5: Special Conditions for Truck Washes

A. Truck washes shall comply with all other portions of this permit and the Malaga Code.

B. Wastewater from the truck wash facility shall not cause any of the following effects to the sewer collection system or have the following characteristics:

1. Build-up of solids such that wastewater flows slower than 2 feet per second in the collection system;

2. Foaming of wastewater;

3. Discoloration of wastewater;

4. A pH of less than 6.0 or greater than 9.0 at any time;

5. An electro-conductivity reading in excess of 950 u-ohm/cm at any time;

C. Solids shall not be washed from a truck tank that cannot pass through a size 20 mesh per square inch filter directly into the sewer collection system.

D. Truck tanks must be emptied prior to washing with no noticeable residue of prior contents.

E. Truck washes shall maintain a manifest of tanker trucks and inter-modal tank containers washed that includes the following information at a minimum:

1. Date and time the truck was washed
2. Contents of the tank prior to washing

F. Reserved for truck washes that may be subject to categorical limits:

Truck Washes involved in cleaning tank trucks and intermodal tank containers used to transport chemical or petroleum cargos are subject to EPA categorical pretreatment standards and are classified into the Transportation Equipment Cleaning (TEC) category. If identified as a TEC, the user may be required to submit monthly reports to address the following pollutants:

1. 40 CFR 442.11:	Maximum Daily Limit	Max. Monthly Ave
BOD	61 mg/L	22 mg/L
TSS	58 mg/L	26 mg/L
Oil and grease (HEM)	36 mg/L	16 mg/L
Copper	0.84 mg/L	-
Mercury	0.0031	-
pH	6-9	6-9
Non-polar material (SGT-HEM)	26	-

2. EPA Categorical Pretreatment Standard Pollutants:
    i. Fluoranthene
    ii. Phenanthrene
    iii. Cadmium
    iv. Chromium Total
    v. Copper
    vi. Lead
    vii. Non-Polar O&G
    viii. Mercury
    ix. Nickel
    x. Zinc

3. Other pollutants (CAM metals):
    i. Antimony
    ii. Arsenic
    iii. Barium
    iv. Berylium
    v. Cadmium
    vi. Chromium
    vii. Cobalt
    viii. Copper
    ix. Lead
    x. Mercury
    xi. Molybdenum
    xii. Nickel
    xiii. Selenium
    xiv. Silver
    xv. Thallium
    xvi. Vanadium
    xvii. Zinc

4. Truck washes shall immediately report to the District any event that causes wastewater discharge to show the following characteristics:

    i. Foaming;
    ii. Discoloration;
    iii. Noxious fumes;
    iv. Oil sheen;
    v. Build-up of solids that flocculate or coagulate;
    vi. Build-up of solids that reduce flow;

5. Truck Washes shall provide written monthly reports to the District that contain the following information:

    i. Date and time tanker trucks and intermodal tank containers were washed;

ii. Contents of tanker trucks and intermodal tank containers that were washed;
iii. Analysis of any wastewater discharge samples that were tested, whether required or not;
iv. Reports of on-line metering equipment;
v. All incidences of item 7 above.

6. On-line monitoring equipment shall monitor pH and EC whenever wastewater is being discharged.

7. The District will perform in lieu, as described in 40 CFR 403.12 (h), the required compliance status reporting for truck washes identified as Significant Non-categorical Industrial Users. This report is required at least once every six months.

Part 6: Best Management Practices

Best management practices shall be adhered to according to the industry standards of the individual permit holder.

A. <u>Best Management Practices Specific to Truck Washing Facilities</u>

1. Only biodegradable detergents should be used for dirt removal.
2. Detergents should be labeled “phosphate free” and should have a neutral pH.
3. Avoid using cleaning solutions that contains chlorinated solvents, are highly acidic or highly alkaline, and contains petroleum products or distillates.
4. Use only the minimum amount of detergent to get the job done.
5. Chrome and aluminum brighteners should only be used if they are hand applied and wiped. Brighteners should not be part of the washing process.
6. Minimize the amount of wastewater generated by using high pressure and low volume washing techniques. Keep in mind to avoid paint chipping caused from too high of a pressure.
7. Prevent runoff by containing storm drains with containment booms, storm drain covers, and other barrier equipment.
8. Changing motor oil near wash bay areas should be prohibited.
9. Brushing shall not be done in conjunction with buckets of concentrated detergent.
10. Chemical drums must be in secondary containment.

Part 7: Failure to Meet Discharge Limits

Users that absolutely cannot meet, due to their nature of discharge, local limits or discharge limits contained within the Act, after having installed best available pretreatment systems, are required to have their wastewater hauled off to another disposal site.

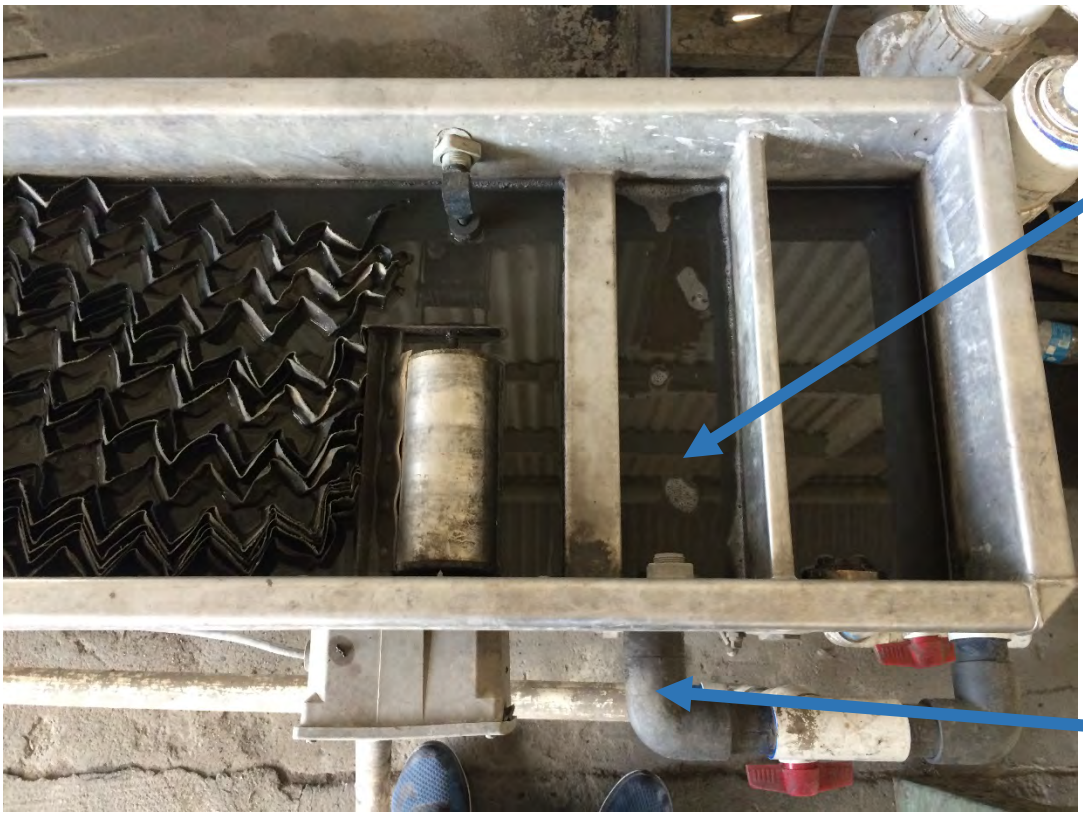
Attachment 1

Sample Point Location 001

Description: There is a metal tank with a series of compartments. The west compartment that is connected to the exit pipe is the sampling point.

Figure 1. Pretreatment system

Figure 2. Sampling Point Location 001.



Sampling Point 001: The west compartment that is connected to the exit pipe.

Exiting pipe linked to sewer.

MALAGA COUNTY WATER DISTRICT

3580 SOUTH FRANK STREET
FRESNO, CALIFORNIA 93725
PHONE (559) 485-7353
FAX (559) 485-7319

NON-RESIDENTIAL

WASTEWATER DISCHARGE PERMIT

Permit No: 1140 **MCWD Account No:** 008

Industrial User:	Air Products and Chemicals, Inc.	**Class:** 1	
Mailing Address:	P.O. Box 10100	Significant Industrial User	
	Fresno, CA 93725	Non-Categorical	
Facility Address:	C/O PPG Industries 3333 S. Peach Avenue Fresno CA 93725	Slug Discharge Plan not required	
Authorized Rep:	Mr. Scot Govert	**Phone No:**	707-637-3349
Title:	Principal Environmental Specialist		
Contact:	Mr. Oscar Abundes, Plant Superintendent	**Phone No:**	559-237-5509
APN:	331-020-037		
SIC No:	2813		
Fee:	$ 1262.78		
No. of Employees:	1		
Effective Date:	01/01/2016		
Expires:	12/31/2016	**Sewer Unit Allocation:**	37

Authorized District Signature: _____ Issue Date: 12/15/2015
District Manager

This permit authorizes the Permitee to discharge non-residential wastewater in accordance with the terms and conditions specified herein, provided that all other District requirements are met. Other District requirements include, but are not necessarily limited to, paying sewer connection fees and annexation fees and obtaining a sewer connection permit.

Industrial User Wastewater Discharge Permit

Part 1: Standard Conditions

A. Duty to Comply

The permitted Industrial User ("User") shall comply with all of the conditions of this Industrial Wastewater Discharge Permit ("Permit") and all of the provisions, terms, and requirements of the Malaga Code ("Code"), the Pretreatment Program, the Clean Water Act ("Act") and all orders, ordinances, rules, resolutions, and regulations of the District, including but not limited to connection permits and baseline discharge requirements. Failure to comply with the requirements of this permit may be grounds for enforcement action, including civil or criminal penalties, injunctive relief and summary abatements as set forth in the District's Enforcement Response Plan ("ERP").

B. Duty to Mitigate

The User shall take all reasonable steps to minimize or correct any adverse impact to the wastewater treatment system or the environment resulting from noncompliance with this Permit including such accelerated or additional monitoring and sampling or other orders as necessary to determine the nature and impact of and to correct the non-complying discharge.

C. Permit Modification

The District may modify the Permit for good cause, including but not limited to, the following reasons:

1. To incorporate any new or revised Federal, State, or local pretreatment standards or requirements;

2. To address significant alterations or additions to the User's operation, processes, or wastewater volume or character since the time of the individual wastewater discharge Permit issued;

3. A change in any process or discharge condition in either the industrial user or the POTW that requires either a temporary or permanent reduction or elimination of the authorized discharge;

4. Information indicating that the permitted discharge poses a threat to the Control Authority's collection and treatment systems, WWTF and equipment, personnel or the receiving waters;

5. Violation of any terms or conditions of the Permit;

6. Misrepresentation or failure to disclose fully all relevant facts in the Permit application or in any required reporting;

7. Revision of or a grant of variance from such categorical standards pursuant to 40 CFR 403.13;

8. To correct typographical or other errors in the Permit;

9. To reflect of the facility ownership and/or operation to a new owner/operator; or

10. Upon request of the User, provided such request does not create a violation of any applicable requirements, standards, laws, or rules and regulations.

11. The filing of a request by the User for a Permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay or modify any Permit condition.

D. <u>Retention of Records</u>

In addition to the record keeping requirements of the Malaga Code, Pretreatment program and the Act, the User shall retain records as follows:

1. The industrial user shall retain records of all monitoring information, copies of all reports required by this permit and records of all data used to complete the application for this permit, for a period of at least three years from the date of the sample, measurement, report or application. This period may be extended by the request of the District at any time.

2. All records that pertain to matters that are the subject of special orders or any other enforcement or litigation activities brought by the District shall be retained and preserved by the industrial user for three years after all enforcement activities have concluded and the time to bring any appeal(s) have expired.

E. <u>Permit Termination</u>

This Permit may be terminated for the following reasons:

1. Failure to notify the District of significant changes to the wastewater prior to the change discharge;

2. Failure to provide prior notification to the District of changed conditions;

3. Misrepresentation or failure to fully disclose all relevant facts in wastewater discharge Permit application;

4. Falsifying self-monitoring reports and/or certification statements;

5. Tampering with monitoring equipment;

6. Refusing to allow timely access to the facility premises and records;

7. Failure to meet effluent limitations;

8. Failure to pay fines;

9. Failure to pay sewer charges;

10. Failure to meet compliance schedules;

11. Failure to complete a wastewater survey and renewal form, or the wastewater discharge Permit application;

12. Failure to provide advance notice of the transfer of business ownership of a permitted facility; or

13. Violation of any pretreatment standard or requirement including required BMPs contained in the Code, or the wastewater discharge Permit, or the Pretreatment Program.

F. Notification and Reporting

1. In addition to the record keeping and reporting requirements of the Malaga Code, the Pretreatment Program, and the Act, the User shall notify the District prior to any new or changed discharge, and shall immediately notify the District at (559) 485-7353 of any wastewater discharge which is not in compliance with this Permit, or the Pretreatment Program, or the Code, or which might be reasonably judged to constitute a hazard to District personnel, the wastewater treatment system, or the environment.

2. The User shall furnish any information relating to wastewater discharge quantity and quality as required by the District, and shall comply with all reporting requirements specified in this Permit.

G. Costs and Fees

1. The User shall pay all fees required by District ordinances, including but not limited to, permit fees, connection fees, annexation fees, bond debt services charges, and sewer unit fees.

2. The User shall also pay any additional cost or expenses incurred by the District for handling and treating excess loads imposed on the treatment system and any cost or expense incurred by the District in the enforcement of the provisions of its ordinances and the correction of violations thereof.

H. Facilities

1. The User shall make wastewater acceptable under the limitations of the Code and the Pretreatment Program before discharging to the sewage system. Any facilities required to pretreat wastewater to a level acceptable to the District shall be provided and maintained at the User's expense. Detailed plans showing the pretreatment facilities and operating facilities shall be submitted to the District for review, and shall be acceptable to and approved by the District, in writing, before construction of the facility. The review of such plans and operating procedures will in no way relieve the User from the responsibility of modifying the facility as necessary to produce an effluent acceptable to the District under the provisions of the Malaga Code. Any subsequent changes in the pretreatment facilities or method of operation shall be reported to, and be approved in writing by, the District.

2. Pretreatment facilities (including sampling and flow monitoring facilities) shall be maintained in good working order and shall be operated so as to ensure continuous compliance with District ordinances, resolutions, rules and regulations, and any applicable permits by the User at the User's own cost and expense. Pretreatment facilities are at all times subject to the requirements of these rules and regulations and all other applicable codes, ordinances, and laws. Intermittent operation of pretreatment facilities except as provided for in writing by the District during discharge to the sewage system is prohibited.

3. All solids, sludge, filter backwash or other pollutants removed by pretreatment facilities shall not be discharged to the sewage system, nor allowed to enter any storm water or ground water recharge system, nor allowed to seep into the ground, but shall be stored, treated and/or disposed of in accordance with applicable County, State and Federal regulations.

I. Right of Entry

Pursuant to the provisions of the Malaga Code, the User shall allow District personnel, upon the presentation of credentials, to enter upon any property or premises, the User, by accepting any permit issued pursuant to the Code, does hereby consent and agree to the entry upon the premises, described in the Permit, by District personnel for the following purposes as required by the Permit at all reasonable times:

1. Reviewing and copying any records required to be kept under the provisions of the Malaga Code;

2. Inspecting any monitoring equipment, pretreatment facility or discharge-producing process;

3. Inspecting and/or sampling any discharge of wastewater to the wastewater facilities. District personnel may enter upon the property at any hour under emergency circumstances. In the event of such emergency entry, District personnel shall make every effort to immediately notify the User's designated agent;

4. To investigate the possible violation of the Malaga Code or Permit;

5. To photograph any waste, waste container, vehicle, waste treatment process, discharge location, or violation discovered during an inspection.

6. Users shall cooperate at all times with authorized District personnel in the inspection, sampling and study of the User's facilities and wastewater.

J. Duration

The terms and conditions of this Permit shall remain in effect until either:

1. The Permit is modified;

2. The Permit is revoked;

3. The Permit expires and cause is determined for non-renewal of the Permit;

4. Failure of the District to act upon a valid Permit application or renewal application shall allow for automatic extension of operations under existing Permit conditions until such District action is complete.

5. Failure of the District to act upon a valid Permit application or renewal application shall allow for automatic extension of operations under existing Permit conditions until such District action is complete.

6. This Permit allows the User to operate only one industrial wastewater discharge point to the sewer collection system.

K. Severability

The provisions of this Permit are severable, and if any provisions of this Permit or the application of any provision of this Permit to any circumstances is held invalid, the application of such provision to other circumstances and the remainder of the Permit shall not be affected hereby.

L. Transferability

This Permit shall not be reassigned, transferred, or sold to a new owner, new user, different premises, or to a new or changed operation.

M. Enforcement and Penalties

Failure to comply with any of the provisions of this Permit, the Malaga Code, or applicable State or Federal laws or regulations may result in any or all of the following actions:

1. Administrative actions including but not limited to Notices of Violation, Administrative Orders, Administrative Citations, Administrative Complaints, Administrative Hearings, Governing Board Hearings, Compliance Orders, Orders to Show Cause and civil penalties in an amount of not less than one thousand dollars ($1,000) per day, per violation;

2. Legal actions including but not limited to preliminary or permanent injunctions, or both;

3. Civil and/or criminal penalties;

4. Permit revocation;

5. Temporary or permanent disconnection from the District's sewerage system;

6. Water supply severance.

N. Appeals

Any User affected by any decision, action, or determination, including Administrative Orders, issued by the District, interpreting or implementing he provisions of The Malaga Code or any permit or Order issued thereunder, may file with the District a written request for reconsideration within ten (10) days of such decision, action, or determination, setting forth in detail in facts supporting the User's request for reconsideration.

If the ruling made by the Manager is unsatisfactory to the person requesting reconsideration, this person may, within ten (10) days after notification of District action, file a written appeal to the District's Board of Directors. The written appeal shall be heard by the body within sixty (60) days from the date of filing. The District's Board of Directors shall make a final ruling on the appeal within ten (10) days of the close of the meeting. The Manager's decision, action, or determination shall remain in effect during such period of reconsideration.

Any User aggrieved by a final order issued by the Board of Directors may obtain review of the order of the Board in the Superior Court by filing in the court a petition for writ of

mandate within thirty (30) days following the service of a copy of a decision and order issued by the Board.

If no aggrieved party petitions for writ of mandate within the time provided by this section, an order of the Board shall not be subject to review by any court or agency, except that the Board may grant review on its own motion after the expiration of the time limits.

O. Definitions

The following definitions below are intended to serve only as references to the definitions contained within the Malaga Code and do not overwrite any of those aforementioned definitions.

1. Composite Sample. A representative sample, formed either by continuous sampling or by mixing discrete samples. The sample may be composited either as a:

    i. Time based composite sample: composed of discrete sample aliquots collected in one container at constant time intervals providing representative samples irrespective of stream flow; or a

    ii. flow-proportional composite sample: collected either as a constant sample volume at time intervals proportional to stream flow, or collected by increasing the volume of each aliquot as the flow increases while maintaining a constant time interval between the aliquots.

2. Daily Maximum. The maximum allowable discharge limit of a pollutant expressed in units of mass per day. Where daily maximum limits are expressed in terms of a concentration, the daily discharge is the arithmetic average measurement of the pollutant concentration derived from all measurements taken that day.

3. Grab Sample. An individual sample collected without regard for flow or time.

4. Instantaneous Maximum Concentration. The maximum concentration allowed in any single grab sample.

5. Cooling Water. Either,

    i. Uncontaminated – Water used for cooling purposes only which has no direct contact with any raw material, intermediate, or final product and which does not contain a level of contaminants detectably higher than that of the intake water.

ii. Contaminated – Water used for cooling purposes only which may become contaminated either through the use of water treatment chemicals used for corrosion inhibitors or biocides, or by direct contact with process materials and/or wastewater.

6. Monthly Average. The arithmetic mean of the values for effluent samples collected during a calendar month or specified 30 day period (as opposed to a rolling 30 day window). Compliance with the monthly average discharge limit is required regardless of the number of samples collected and analyzed.

7. Bi-Weekly. Once every other week.

8. Bi-Monthly. Once every other month.

9. Upset. An exceptional incident resulting in temporary and unintentional non-compliance because of factors beyond the reasonable control of the discharger.

10. Bypass. Means the diversion of wastes from any portion of a pretreatment process or facility.

11. Slug Discharge. Any discharge of a non-routine, episodic nature, including but not limited to an accidental spill or a non-customary batch discharge, which has a reasonable potential to cause interference or pass through, or in any other way violate the POTW's regulations, local limits or permit conditions.

12. Batch Discharge. A single, episodic discharge of accumulated waste, as opposed to a continuous, uninterrupted flow of waste material.

P. Dilution

The User shall not increase the use of potable water or process water or, in any way, attempt to dilute a discharge as a partial or complete substitute for adequate treatment to achieve compliance with a discharge limitation unless expressly authorized by an applicable Pretreatment Standard or Requirement. The District may impose mass limitations to meet applicable Pretreatment Standards or requirements, or in other cases when the imposition of mass limitations is appropriate.

Part 2: Discharge prohibitions and Limitations

A. Standard Discharge Prohibitions

The User shall comply with all discharge prohibitions and limitations specified in the Malaga Code, the Pretreatment Program, and this Permit. Prohibitions include but are not limited to:

1. Any materials that may cause interference or pass through;

2. Oils and Grease in any amounts that may cause an obstruction in the sewer collection system;

3. Explosive mixtures;

4. Noxious materials;

5. Shredded garbage;

6. Solid or viscous waste that cause an obstruction or decrease flow in the sewer collection system to less than two feet per second;

7. Slug loads not coordinated with the District by a Slug Control Plan;

8. Toxic or hazardous materials;

9. Unpolluted waters;

10. Wastes with objectionable color or odor;

11. Corrosive waste;

12. Trucked or hauled waste;

13. Sludges, screenings, or other residues from wastewater pretreatment;

14. Medical wastes;

15. Detergents, surface active agents, or other substances that may cause excessive foaming at the WWTF;

16. Any substance that will interfere or upset the treatment process at the WWTF;

17. Any substance that may result in the WWTF exceeding NPDES permit limits.

18. Any bypass as defined in Part 1(O)(10) of this permit.

B. Discharge Local Limits

1.

Parameter	Discharge Local Limit	Specific Conditions
pH	6.0 - 9.0	pH is an instantaneous reading and cannot be averaged
Electrical Conductivity (EC)	950 µmhos/cm	Monthly average
Biochemical Oxygen Demand (BOD)	1,000 mg/L	Monthly average
Suspended Solids	1,000 mg/L	Monthly average
Chemical Oxygen Demand (COD)	1,000 mg/L	Monthly average
Oil and Greases	100 mg/L	Monthly average

2. Animal and vegetable (polar) O&G not greater than 300 mg/l;

3. Discharge of the following Pollutants of Concern (POC's) above Local Limits:

Pollutant	Local Limit
Iron	1.0 mg/l as a monthly average
Lead	5.0 mg/l as a monthly average
Silver	5.0 mg/l as a monthly average
Arsenic	5.0 mg/l as a monthly average
Benzene	5.0 mg/l as a monthly average
Phenols	1.0 mg/l as a monthly average
Cadmium	0.10 mg/l as a monthly average
Zinc	5.0 mg/l as a monthly average
Chromium	5.0 mg/l as a monthly average
Copper	5.0 mg/l as a monthly average
Aluminum	5.0 mg/l as a monthly average
Mercury	0.20 mg/l as a monthly average
Barium	10.0 mg/l as a monthly average
Nickel	5.0 mg/l as a monthly average
Selenium	1.0 mg/l as a monthly average
Boron	8.0 mg/l as a monthly average
Chloride	
Cyanide	
Ammonia, as N	
Nitrite + Nitrate, as N	
Phosphorus	
Fluoride	
Diazinon	
Calcium	
Magnesium	

4. Discharge of wastewater that:

i. Contains solids that will not pass through a 20 per square inch mesh;

ii. Has a temperature greater than 104 degrees Fahrenheit;

iii. Has an alkalinity that is greater or less than 10% of source water;

Part 3: Monitoring and Reporting Requirements

A. General Monitoring Requirements

1. The Manager may require any User to monitor wastewater discharge and submit monitoring reports to the District, at a frequency specified by the District.

2. The User shall comply with all monitoring requirements specified in this Permit or otherwise required, in writing, by the District.

3. Flow monitoring and sampling equipment may be required and shall comply with all applicable provisions of this Permit and the Malaga Code.

4. If required, laboratory analysis of industrial wastewater samples shall be performed in accordance with the approved test procedures specified in 40CFR136 unless otherwise authorized, in writing, by the District.

5. If required, all samples must be collected, preserved, and analyzed in accordance with the procedures established in 40 CFR Part 136, and amendments.

6. If required, the User shall have an automated sampler that shall be maintained in accordance with manufacturer's recommendations, shall be cleaned once per month when in use, and samples shall be maintained at 4.0°C (±2.0°C).

7. If required, the User shall operate and maintain an effluent flowmeter, have it electronically calibrated annually and hydraulically calibrated every three years by a recognized professional in flowmeter testing and repair, and provide proof of calibration to the District prior to July 31 annually.

8. If required, continuous on-line monitoring equipment shall be maintained and calibrated in accordance with manufacturer's specifications.

9. If required, to install, operate and maintain at User's cost and expense an automatic, permanent wastewater flow monitoring system approved by the District which provides a primary flow measuring device, indication, recording and totalizing of flow and a signal generating device that can be used to activate the District's and other automatic samplers.

10. If required, to install, operate and maintain at User's cost and expense an automatic wastewater sampling system approved by the District which provides a flow proportional composite sample, a sample volume of not less than two liters, refrigerated storage and self-purging capability.

11. If required, to install, operate and maintain at User's cost and expense an automatic pH recording system approved by the District which provides a pH recording instrument and a pH probe located downstream of all Pretreatment operations and just before discharge to the sewage system.

12. If required, to install, operate and maintain at User's cost and expense a batch pH neutralization system approved by the District which provides a storage facility for wastewater of pH less than 6.0 or greater than 9.0, a pH measuring device, neutralizing agent and a permanently bound record of pH neutralization before discharge to the sewage system.

13. If required, to install, operate and maintain at User's cost and expense an automatic pH recording and control system approved by the District which provides a pH recording instrument, a pH probe located downstream of all Pretreatment operations and just before discharge into the sewage system, storage for a neutralizing agent, a neutralization chamber, a continuous neutralizing agent injection system activated by pH level and adequate agitation.

B. Sampling Point Location

1. The Sampling Point Location shall be designated at the following location:

Sampling Point Location Name	Location Description
001	The flume located southeast of the bleach holding tank. See attachment.

2. **Both the User and the District personnel are required to sample from the same sampling point location (001).**

C. Specific Monitoring and Sampling Requirements

1.

Parameter	Units	Sample Type	Monitoring Frequency	Reporting Frequency	Chain of Custody Required
Flow	Gallons	Metered	Daily	1/Month	No
Electrical Conductivity	µmhos/cm	Grab	1 grab anytime per quarter	1/Quarter	Yes
pH	Standard Units	Grab	1 grab in May & 1 grab in November	2/year (semiannually)	Yes
TSS	mg/L	Grab	1 grab in May & 1 grab in November	2/year (semiannually)	Yes
BOD	mg/L	Grab	1 grab in May & 1 grab in November	2/year (semiannually)	Yes
Pollutants of Concern (POC)	mg/L	Grab	1 grab anytime throughout the course of the year	1/year (Annually)	Yes

2. For reports requiring a Chain of Custody, analysis must be performed by a laboratory that is certified for water and wastewater analysis by the State of California, Department of Health Services Environmental Laboratory Accreditation Program (ELAP). The Chain of Custody form shall be attached to the report.

3. Reports are to be submitted no later than 25 calendar days following the monitoring month.

4. Quarterly reports shall be submitted after three consecutive months. For example, a report monitoring for the months of January through March shall be due the following month (April 25th).

5. Semiannually shall mean monitoring for the months of May and November. Reports are thus due the following June and December respectively.

6. Annually shall mean anytime throughout the course of a calendar year and due no later than the end of December.

D. The User is required to submit an annual monitoring report of the following Pollutants of Concern (POC's) listed below:

1. Ammonia, as N
2. Nitrite + Nitrate, as N
3. Oil and Grease (HEM-polar)
4. Oil And Grease (Petroleum-non polar)
5. Alkalinity
6. Hardness
7. Calcium
8. Magnesium

9. Boron
10. Chloride
11. Cyanide
12. Phosphorus
13. Fluoride
14. Diazinon
15. Iron
16. Lead
17. Silver
18. Arsenic
19. Benzene
20. Phenols
21. Cadmium
22. Zinc
23. Chromium
24. Copper
25. Aluminum
26. Mercury
27. Barium
28. Nickel
29. Selenium

E. Priority Pollutants

The User must submit a toxic organics management plan (TOMP) to the District for approval. Preparation of the TOMP must be done in accordance with EPA regulations and approved by the District. If approved, the User may submit the certification statement as set forth in Part 3.5.a of this Permit. The TOMP shall be submitted to the District no later than March 1, 2016.

F. Reporting Requirements

1. The District may require any User to submit monitoring reports in a format and at a frequency specified by the General Manager. The User shall comply with all reporting requirements specified in this Permit or otherwise required, in writing, by the District and all monitoring and reporting requirements of the Malaga Code.

2. All Users subject to Federal categorical pretreatment standards shall comply with all applicable reporting requirements specified in 40CFR403.12.

3. The User shall immediately notify the District prior to any new or changed discharge, and shall immediately notify the District (phone 559-485-7353) of any wastewater discharge which is not in compliance with the Permit or the Malaga Code, or which might be reasonably judges to constitute a hazard to District personnel, the wastewater treatment system, or the environment.

4. User shall immediately notify the District of any changes that occur at the facility affecting the potential for a Slug Discharge so that the POTW may reevaluate the need for a Slug Control Plan or other actions to prevent such Discharges.

5. The User shall provide a site plan showing the location of all wastewater treatment facilities (grease traps, sand separators, etc.)

6. User shall monitor grease traps weekly and record scum and solids levels.

7. Users shall maintain a District approved hazardous waste inventory accounting system which includes a bound log book containing permanent entries that account, either by mass or by volume, for the disposition of substances prohibited by the Malaga Code or this Permit.

8. Users shall keep waste hauler reports on file for a period of three years.

9. User shall maintain a manifest from all trucks washed at a truck wash facility. A copy of the manifest shall be submitted to the District on demand to confirm the contents of trucks washed out.

10. Users shall maintain a log of all wastewater and solids removed from the premise, to include the destination of the hauled materials. Submit copies of the log on a quarterly basis to MCWD for the first year and annually thereafter.

11. Monitoring results obtained must be summarized and reported in a format acceptable to the District.

12. Reports for parameters with a continuous monitoring frequency must be submitted monthly. The reports are due within 15 days after the end of each calendar month.

13. Reports for parameters with a designated monitoring frequency must be submitted within 15 days after the reporting period.

14. All monitoring reports must indicate the nature and concentration of all pollutants in the effluent for which sampling and analysis were performed during the reporting period preceding the submission of each report, including measured maximum and average daily flows.

15. All reports required by this Permit must be submitted to the Malaga County Water District at the following address:

    Malaga County Water District
    Environmental Compliance Inspector
    3580 S. Frank Street
    Fresno, CA 93725

G. Recordkeeping.

Users subject to the reporting requirements of this Code shall retain, and make available for inspection and copying, all records of information obtained pursuant to any monitoring activities required by this Code, any additional records of information obtained pursuant to monitoring activities undertaken by the User independent of such requirements, and documentation associated with Best Management Practices established under this Code. Records shall include the date, exact place, method, and time of sampling, and the name of the person(s) taking the samples; the dates analyses were performed; who performed the analyses; the analytical techniques or methods used; and the results of such analyses. These records shall remain available for a period of at least three (3) years. This period shall be automatically extended for the duration of any litigation concerning the User or the District, or where the User has been specifically notified of a longer retention period by the General Manager, or his or her designee.

H. Certification Statements

1. The User is required to sign and submit the following certification statement if granted use of a Toxic Organic Management Plan in lieu of reporting Priority Pollutants:

"Based on my inquiry of the permit or persons directly responsible for managing compliance with the pretreatment standard for Priority Pollutants (PP's), I certify that, to the best of my knowledge and belief, no dumping of concentrated priority pollutant toxic organics into the wastewaters has occurred since filing of the last discharge monitoring report. I further certify that this facility is implementing the Toxic Organic Management Plan submitted to the Control Authority."

2. The User is required to sign and submit the following certification statement with all monitoring reports:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are signification penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

3. All reports required by this Permit must be submitted to the Malaga County Water District at the following address:

Malaga County Water District
Environmental Compliance Inspector

3580 S. Frank Street
Fresno, CA 93725

I. Annual Publication

As required by the Act, the District's Pretreatment Program, and the Malaga Code, a list of all industries which were in significant noncompliance of applicable federal pretreatment standards or other pretreatment requirements during the twelve (12) previous months shall be annually published by the District in the largest daily newspaper within its service area. Accordingly, the User is apprised that noncompliance with this permit may lead to an enforcement action and may result in publication of its name in an appropriate newspaper. For purposes of this provision, significant noncompliance is defined under 40 CFR 403.8 (f)(2)(vii).

Part 4: Other Conditions

A. Automatic Re-sampling

If the results of the User's wastewater analysis indicate that a violation of this Permit has occurred, the User must:

1. Inform the Malaga County Water District of the violation within 24 hours;

2. Repeat sampling and pollutant analysis and submit, in writing, the results of this second analysis within 30 days of becoming aware if the first violation;

3. Continue repeat sampling until it is determined that the violation has ceased.

4. Pursuant to the provisions of the Malaga Code, the District shall have the ability to sample and analyze any time the District deems appropriate.

B. Accidental Discharge and Reporting

The user must notify the Malaga County Water District immediately upon the occurrence of spills, including, but not limited to, accidental discharges, discharges of a nonroutine, episodic nature, a noncustomary batch discharge, slug loads or slug discharges, that might potential problems for the POTW, or spills that might enter the public sewer. During normal business hours the Malaga County Water District should be notified by telephone at 559-485-7353. The notification must include location of discharge; date and time of discharge; type of waste, including concentration and volume; and corrective actions taken. The User's notification of accidental release in accordance with this section does not relieve it of other reporting requirements that arise under local, state, or federal laws.

Within 5 days following an accidental discharge, the User shall submit to the District Malaga County Water a detailed written report. The report must specify:

1. Description and cause of the upset, slug load, or accidental discharge; the cause thereof; and the impact on the User's compliance status. The description should also include location of discharge and type, concentration, and volume of waste.

2. Duration of noncompliance, including exact dates and times of noncompliance and, if the noncompliance is continuing, the time by which compliance is reasonably expected to occur.

3. All steps taken or to be taken to reduce, eliminate, and/or prevent recurrence of such an upset, slug load, accidental discharge, or other conditions of noncompliance.

C. Pretreatment Systems

1. The District may require Users to install and operate at their own expense the following pretreatment systems:

   i. A grease interceptor approved by the District which (a) prevents excessive grease and oil from entering the sewage system (b) provides at least 1250 gallons storage capacity, at least two compartments, baffles to retain floatable greases and oils and a sampling port and (c) excludes any Sanitary Wastewater from entering the interceptor.

   ii. A grit interceptor approved by the District which (a) prevents sand and settleable grit from entering the sewage system (b) provides a 30-minute detention time base on peak wastewater rate, a minimum capacity of 500 gallons, at least two compartments, baffles to reduce wastewater velocity sufficiently to settle sand and grit and (c) excludes any sanitary wastewater from entering the interceptor.

2. Use of the following pretreatment systems shall not violate any portion of the Malaga Code nor inhibit wastewater treatment systems:

   iii. To operate and maintain any garbage grinders in a manner which prevents discharge of wastewater in violation of the Malaga Code.

   iv. To operate and maintain any water softening units in strict accordance with manufacturer's instructions and in a manner to minimize salts discharge into sewage system.

D. Removed Substances

1. Solids, sludges, filter backwash or other pollutants removed from wastewater in the course of pretreatment or the control of wastewater must be disposed of in accordance with section 405 of the Clean Water Act and Subtitles C and D of the Resource Conservation and recovery Act.

2. Removed Substances shall not be allowed to enter the sewer collection system, nor any storm drain, nor any outfall or drain which leads to a storm water collection system or a water catchment system intended for ground water recharge purposes.

3. Removed substances shall not be retained on the property of the User and shall be properly disposed of as indicated above.

E. Slug Discharge Control Requirements

The User is required to submit and implement a slug discharge control plan if directed by the District. Determination of the requirement for a slug discharge plan shall be made during an initial facility inspection by the District. If it is determined that due to batch discharge or plug flow the WWTF could be hydraulically or biologically overloaded, a slug discharge plan shall be developed and implemented. The slug discharge control plan must include, at a minimum, the following:

1. Description of discharge practices, including non-routine batch discharges.

2. Description of stored chemicals.

3. Procedures for immediately notifying the Malaga County Water District of slug discharges, including any discharge that would violate prohibition under 40CFR 403.5(b), with procedures for follow-up written notification within five days.

4. Procedure to limit any impact on maximum allowable head works loading of the WWTF.

5. Procedures to prevent adverse impact from accidental spills, including inspection and maintenance of storage areas, handling and transfer of materials, loading and unloading operations, control of plant site runoff, worker training, building of containment structures or equipment, measures for containing toxic organic pollutants, and measures and equipment for emergency response.

F. Compliance Schedule

Pursuant to the Enforcement Response Plan, the following levels of escalating enforcement and administrative citations have been established:

1. Warning Notice, and any associated Notices of Non-Compliance;

2. Notice of Violation, and any associated Notices of Non-Compliance;

3. Consent Order, and any associated Notices of Non-Compliance;

4. Compliance Order, and any associated Notices of Non-Compliance; and

5. Show Cause Order, and any associated Notices of Non-Compliance.

i. In the event of any notice or order for compliance, a schedule for compliance shall be included. The User is responsible to meet the schedule for compliance, and shall be penalized according to the provisions of the Enforcement response Plan for failing to do so.

ii. No later than 14 days following the date of the notice or order, the user must submit to the Malaga County Water District a written report including, at a minimum, whether it complied with the increment of progress to be met on such date and, if not, the date on which it expects to comply with the increment of progress, the reasons for delay, and the steps being taken to return the project to the schedule established.

G. Potential Non-Compliance

The User must immediately inform the District in the event of the potential for non-compliance for any known reason. Failure to report the potential for non-compliance may result in a harsher penalty for a non-compliance event that was known to pre-exist.

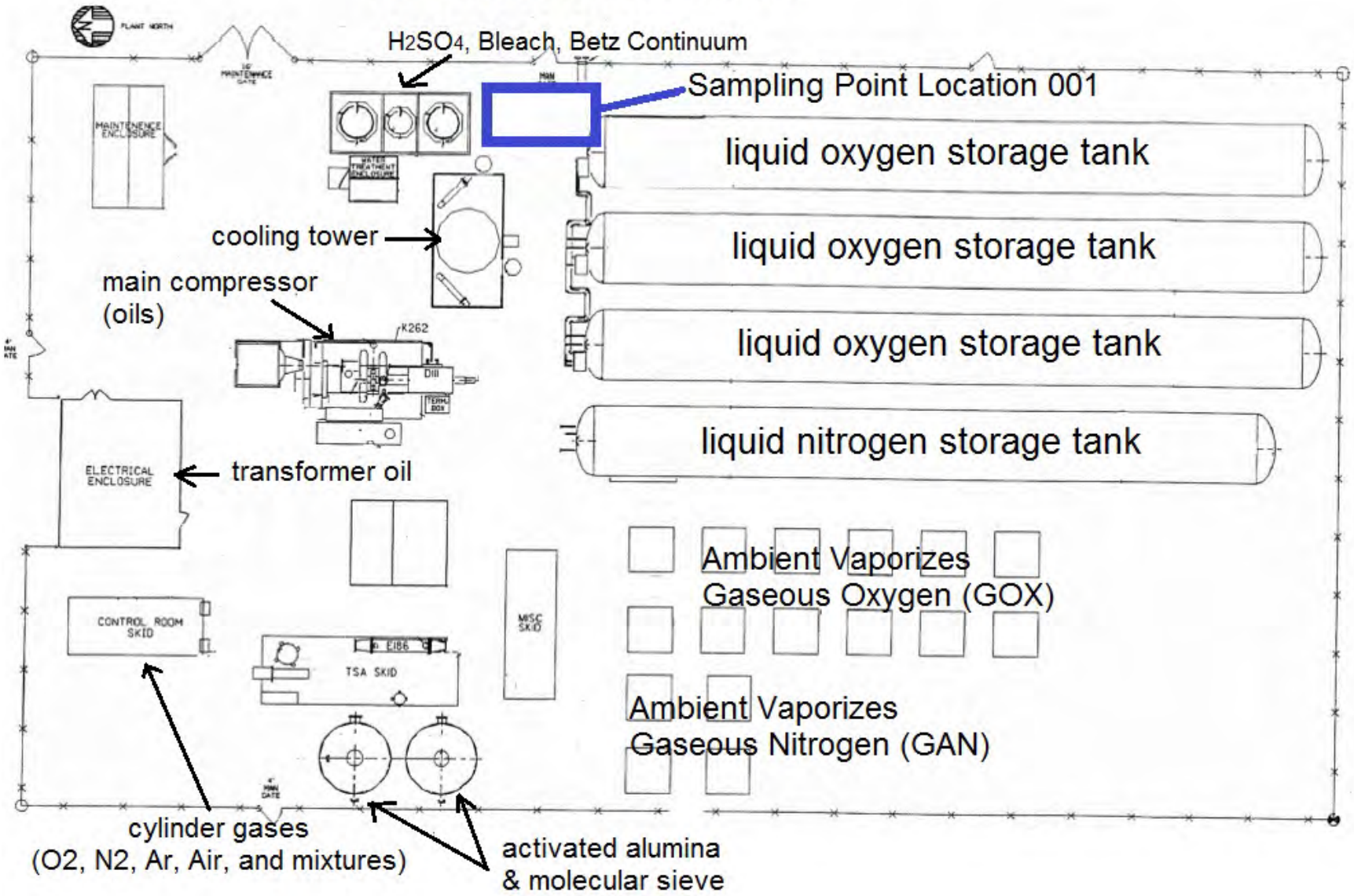
Part 5: Failure to Meet Discharge Limits

Users that absolutely cannot meet, due to their nature of discharge, local limits or discharge limits contained within the Act, after having installed best available pretreatment systems, are required to have their wastewater hauled off to another disposal site.

Attachment 1

Site Map

Air Products Fresno, CA



Attachment 2
Sampling Point Location 001

Description: The flume located southeast of the bleach holding tank.

MALAGA COUNTY WATER DISTRICT

3580 SOUTH FRANK STREET
FRESNO, CALIFORNIA 93725
PHONE (559) 485-7353
FAX (559) 485-7319

NON-RESIDENTIAL

WASTEWATER DISCHARGE PERMIT

Permit No: 1038 **MCWD Account No:** 008

Industrial User:	PPG Industries	**Class:** 1	
Mailing Address:	3333 S. Peach	Significant Industrial User	
	Fresno, CA 93725	Non-Categorical	
Facility Address:	3333 S. Peach	Slug Discharge Plan not required	
	Fresno, CA 93725		
Authorized Rep:	Ray Yee	**Phone No:**	559-485-4660 Ext. 200
Title:	Plant Manager		
Contact:	Wendy Garcia, Environmental Manager	**Phone No:**	559-493-3204
APN:	331-020-27S		
SIC No:	3211		
Fee:	$ 1262.78		
No. of Employees:	140		
Effective Date:	01/01/2016		
Expires:	12/31/2016	**Sewer Unit Allocation:**	229

Authorized District Signature: JPLindeson
District Manager

Issue Date: 12/15/2015

This permit authorizes the Permitee to discharge non-residential wastewater in accordance with the terms and conditions specified herein, provided that all other District requirements are met. Other District requirements include, but are not necessarily limited to, paying sewer connection fees and annexation fees and obtaining a sewer connection permit.

Industrial User Wastewater Discharge Permit

Part 1: Standard Conditions

A. Duty to Comply

The permitted Industrial User ("User") shall comply with all of the conditions of this Industrial Wastewater Discharge Permit ("Permit") and all of the provisions, terms, and requirements of the Malaga Code ("Code"), the Pretreatment Program, the Clean Water Act ("Act") and all orders, ordinances, rules, resolutions, and regulations of the District, including but not limited to connection permits and baseline discharge requirements. Failure to comply with the requirements of this permit may be grounds for enforcement action, including civil or criminal penalties, injunctive relief and summary abatements as set forth in the District's Enforcement Response Plan ("ERP").

B. Duty to Mitigate

The User shall take all reasonable steps to minimize or correct any adverse impact to the wastewater treatment system or the environment resulting from noncompliance with this Permit including such accelerated or additional monitoring and sampling or other orders as necessary to determine the nature and impact of and to correct the non-complying discharge.

C. Permit Modification

The District may modify the Permit for good cause, including but not limited to, the following reasons:

1. To incorporate any new or revised Federal, State, or local pretreatment standards or requirements;

2. To address significant alterations or additions to the User's operation, processes, or wastewater volume or character since the time of the individual wastewater discharge Permit issued;

3. A change in any process or discharge condition in either the industrial user or the POTW that requires either a temporary or permanent reduction or elimination of the authorized discharge;

4. Information indicating that the permitted discharge poses a threat to the Control Authority's collection and treatment systems, WWTF and equipment, personnel or the receiving waters;

5. Violation of any terms or conditions of the Permit;

6. Misrepresentation or failure to disclose fully all relevant facts in the Permit application or in any required reporting;

7. Revision of or a grant of variance from such categorical standards pursuant to 40 CFR 403.13;

8. To correct typographical or other errors in the Permit;

9. To reflect of the facility ownership and/or operation to a new owner/operator; or

10. Upon request of the User, provided such request does not create a violation of any applicable requirements, standards, laws, or rules and regulations.

11. The filing of a request by the User for a Permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay or modify any Permit condition.

D. <u>Retention of Records</u>

In addition to the record keeping requirements of the Malaga Code, Pretreatment program and the Act, the User shall retain records as follows:

1. The industrial user shall retain records of all monitoring information, copies of all reports required by this permit and records of all data used to complete the application for this permit, for a period of at least three years from the date of the sample, measurement, report or application. This period may be extended by the request of the District at any time.

2. All records that pertain to matters that are the subject of special orders or any other enforcement or litigation activities brought by the District shall be retained and preserved by the industrial user for three years after all enforcement activities have concluded and the time to bring any appeal(s) have expired.

E. <u>Permit Termination</u>

This Permit may be terminated for the following reasons:

1. Failure to notify the District of significant changes to the wastewater prior to the change discharge;

2. Failure to provide prior notification to the District of changed conditions;

3. Misrepresentation or failure to fully disclose all relevant facts in wastewater discharge Permit application;

4. Falsifying self-monitoring reports and/or certification statements;

5. Tampering with monitoring equipment;

6. Refusing to allow timely access to the facility premises and records;

7. Failure to meet effluent limitations;

8. Failure to pay fines;

9. Failure to pay sewer charges;

10. Failure to meet compliance schedules;

11. Failure to complete a wastewater survey and renewal form, or the wastewater discharge Permit application;

12. Failure to provide advance notice of the transfer of business ownership of a permitted facility; or

13. Violation of any pretreatment standard or requirement including required BMPs contained in the Code, or the wastewater discharge Permit, or the Pretreatment Program.

F. Notification and Reporting

1. In addition to the record keeping and reporting requirements of the Malaga Code, the Pretreatment Program, and the Act, the User shall notify the District prior to any new or changed discharge, and shall immediately notify the District at (559) 485-7353 of any wastewater discharge which is not in compliance with this Permit, or the Pretreatment Program, or the Code, or which might be reasonably judged to constitute a hazard to District personnel, the wastewater treatment system, or the environment.

2. The User shall furnish any information relating to wastewater discharge quantity and quality as required by the District, and shall comply with all reporting requirements specified in this Permit.

G. Costs and Fees

1. The User shall pay all fees required by District ordinances, including but not limited to, permit fees, connection fees, annexation fees, bond debt services charges, and sewer unit fees.

2. The User shall also pay any additional cost or expenses incurred by the District for handling and treating excess loads imposed on the treatment system and any cost or expense incurred by the District in the enforcement of the provisions of its ordinances and the correction of violations thereof.

H. Facilities

1. The User shall make wastewater acceptable under the limitations of the Code and the Pretreatment Program before discharging to the sewage system. Any facilities required to pretreat wastewater to a level acceptable to the District shall be provided and maintained at the User's expense. Detailed plans showing the pretreatment facilities and operating facilities shall be submitted to the District for review, and shall be acceptable to and approved by the District, in writing, before construction of the facility. The review of such plans and operating procedures will in no way relieve the User from the responsibility of modifying the facility as necessary to produce an effluent acceptable to the District under the provisions of the Malaga Code. Any subsequent changes in the pretreatment facilities or method of operation shall be reported to, and be approved in writing by, the District.

2. Pretreatment facilities (including sampling and flow monitoring facilities) shall be maintained in good working order and shall be operated so as to ensure continuous compliance with District ordinances, resolutions, rules and regulations, and any applicable permits by the User at the User's own cost and expense. Pretreatment facilities are at all times subject to the requirements of these rules and regulations and all other applicable codes, ordinances, and laws. Intermittent operation of pretreatment facilities except as provided for in writing by the District during discharge to the sewage system is prohibited.

3. All solids, sludge, filter backwash or other pollutants removed by pretreatment facilities shall not be discharged to the sewage system, nor allowed to enter any storm water or ground water recharge system, nor allowed to seep into the ground, but shall be stored, treated and/or disposed of in accordance with applicable County, State and Federal regulations.

I. Right of Entry

Pursuant to the provisions of the Malaga Code, the User shall allow District personnel, upon the presentation of credentials, to enter upon any property or premises, the User, by accepting any permit issued pursuant to the Code, does hereby consent and agree to the entry upon the premises, described in the Permit, by District personnel for the following purposes as required by the Permit at all reasonable times:

1. Reviewing and copying any records required to be kept under the provisions of the Malaga Code;

2. Inspecting any monitoring equipment, pretreatment facility or discharge-producing process;

3. Inspecting and/or sampling any discharge of wastewater to the wastewater facilities. District personnel may enter upon the property at any hour under emergency circumstances. In the event of such emergency entry, District personnel shall make every effort to immediately notify the User's designated agent;

4. To investigate the possible violation of the Malaga Code or Permit;

5. To photograph any waste, waste container, vehicle, waste treatment process, discharge location, or violation discovered during an inspection.

6. Users shall cooperate at all times with authorized District personnel in the inspection, sampling and study of the User's facilities and wastewater.

J. Duration

The terms and conditions of this Permit shall remain in effect until either:

1. The Permit is modified;

2. The Permit is revoked;

3. The Permit expires and cause is determined for non-renewal of the Permit;

4. Failure of the District to act upon a valid Permit application or renewal application shall allow for automatic extension of operations under existing Permit conditions until such District action is complete.

5. Failure of the District to act upon a valid Permit application or renewal application shall allow for automatic extension of operations under existing Permit conditions until such District action is complete.

6. This Permit allows the User to operate only one industrial wastewater discharge point to the sewer collection system.

K. Severability

The provisions of this Permit are severable, and if any provisions of this Permit or the application of any provision of this Permit to any circumstances is held invalid, the application of such provision to other circumstances and the remainder of the Permit shall not be affected hereby.

L. Transferability

This Permit shall not be reassigned, transferred, or sold to a new owner, new user, different premises, or to a new or changed operation.

M. Enforcement and Penalties

Failure to comply with any of the provisions of this Permit, the Malaga Code, or applicable State or Federal laws or regulations may result in any or all of the following actions:

1. Administrative actions including but not limited to Notices of Violation, Administrative Orders, Administrative Citations, Administrative Complaints, Administrative Hearings, Governing Board Hearings, Compliance Orders, Orders to Show Cause and civil penalties in an amount of not less than one thousand dollars ($1,000) per day, per violation;

2. Legal actions including but not limited to preliminary or permanent injunctions, or both;

3. Civil and/or criminal penalties;

4. Permit revocation;

5. Temporary or permanent disconnection from the District's sewerage system;

6. Water supply severance.

N. Appeals

Any User affected by any decision, action, or determination, including Administrative Orders, issued by the District, interpreting or implementing he provisions of The Malaga Code or any permit or Order issued thereunder, may file with the District a written request for reconsideration within ten (10) days of such decision, action, or determination, setting forth in detail in facts supporting the User's request for reconsideration.

If the ruling made by the Manager is unsatisfactory to the person requesting reconsideration, this person may, within ten (10) days after notification of District action, file a written appeal to the District's Board of Directors. The written appeal shall be heard by the body within sixty (60) days from the date of filing. The District's Board of Directors shall make a final ruling on the appeal within ten (10) days of the close of the meeting. The Manager's decision, action, or determination shall remain in effect during such period of reconsideration.

Any User aggrieved by a final order issued by the Board of Directors may obtain review of the order of the Board in the Superior Court by filing in the court a petition for writ of

mandate within thirty (30) days following the service of a copy of a decision and order issued by the Board.

If no aggrieved party petitions for writ of mandate within the time provided by this section, an order of the Board shall not be subject to review by any court or agency, except that the Board may grant review on its own motion after the expiration of the time limits.

O. Definitions

The following definitions below are intended to serve only as references to the definitions contained within the Malaga Code and do not overwrite any of those aforementioned definitions.

1. Composite Sample. A representative sample, formed either by continuous sampling or by mixing discrete samples. The sample may be composited either as a:

    i. Time based composite sample: composed of discrete sample aliquots collected in one container at constant time intervals providing representative samples irrespective of stream flow; or a

    ii. flow-proportional composite sample: collected either as a constant sample volume at time intervals proportional to stream flow, or collected by increasing the volume of each aliquot as the flow increases while maintaining a constant time interval between the aliquots.

2. Daily Maximum. The maximum allowable discharge limit of a pollutant expressed in units of mass per day. Where daily maximum limits are expressed in terms of a concentration, the daily discharge is the arithmetic average measurement of the pollutant concentration derived from all measurements taken that day.

3. Grab Sample. An individual sample collected without regard for flow or time.

4. Instantaneous Maximum Concentration. The maximum concentration allowed in any single grab sample.

5. Cooling Water. Either,

    i. Uncontaminated – Water used for cooling purposes only which has no direct contact with any raw material, intermediate, or final product and which does not contain a level of contaminants detectably higher than that of the intake water.

ii. Contaminated – Water used for cooling purposes only which may become contaminated either through the use of water treatment chemicals used for corrosion inhibitors or biocides, or by direct contact with process materials and/or wastewater.

6. Monthly Average. The arithmetic mean of the values for effluent samples collected during a calendar month or specified 30 day period (as opposed to a rolling 30 day window). Compliance with the monthly average discharge limit is required regardless of the number of samples collected and analyzed.

7. Bi-Weekly. Once every other week.

8. Bi-Monthly. Once every other month.

9. Upset. An exceptional incident resulting in temporary and unintentional non-compliance because of factors beyond the reasonable control of the discharger.

10. Bypass. Means the diversion of wastes from any portion of a pretreatment process or facility.

11. Slug Discharge. Any discharge of a non-routine, episodic nature, including but not limited to an accidental spill or a non-customary batch discharge, which has a reasonable potential to cause interference or pass through, or in any other way violate the POTW's regulations, local limits or permit conditions.

12. Batch Discharge. A single, episodic discharge of accumulated waste, as opposed to a continuous, uninterrupted flow of waste material.

P. Dilution

The User shall not increase the use of potable water or process water or, in any way, attempt to dilute a discharge as a partial or complete substitute for adequate treatment to achieve compliance with a discharge limitation unless expressly authorized by an applicable Pretreatment Standard or Requirement. The District may impose mass limitations to meet applicable Pretreatment Standards or requirements, or in other cases when the imposition of mass limitations is appropriate.

Part 2: Discharge prohibitions and Limitations

A. Standard Discharge Prohibitions

The User shall comply with all discharge prohibitions and limitations specified in the Malaga Code, the Pretreatment Program, and this Permit. Prohibitions include but are not limited to:

1. Any materials that may cause interference or pass through;

2. Oils and Grease in any amounts that may cause an obstruction in the sewer collection system;

3. Explosive mixtures;

4. Noxious materials;

5. Shredded garbage;

6. Solid or viscous waste that cause an obstruction or decrease flow in the sewer collection system to less than two feet per second;

7. Slug loads not coordinated with the District by a Slug Control Plan;

8. Toxic or hazardous materials;

9. Unpolluted waters;

10. Wastes with objectionable color or odor;

11. Corrosive waste;

12. Trucked or hauled waste;

13. Sludges, screenings, or other residues from wastewater pretreatment;

14. Medical wastes;

15. Detergents, surface active agents, or other substances that may cause excessive foaming at the WWTF;

16. Any substance that will interfere or upset the treatment process at the WWTF;

17. Any substance that may result in the WWTF exceeding NPDES permit limits.

18. Any bypass as defined in Part 1(O)(10) of this permit.

B. <u>Discharge Local Limits</u>

1.

Parameter	Discharge Local Limit	Specific Conditions
pH	6.0 - 9.0	pH is an instantaneous reading and cannot be averaged
Electrical Conductivity (EC)	950 µmhos/cm	Monthly average
Biochemical Oxygen Demand (BOD)	1,000 mg/L	Monthly average
Suspended Solids	1,000 mg/L	Monthly average
Chemical Oxygen Demand (COD)	1,000 mg/L	Monthly average
Oil and Greases	100 mg/L	Monthly average

2. Animal and vegetable (polar) O&G not greater than 300 mg/l;

3. Discharge of the following Pollutants of Concern (POC's) above Local Limits:

Pollutant	Local Limit
Iron	1.0 mg/l as a monthly average
Lead	5.0 mg/l as a monthly average
Silver	5.0 mg/l as a monthly average
Arsenic	5.0 mg/l as a monthly average
Benzene	5.0 mg/l as a monthly average
Phenols	1.0 mg/l as a monthly average
Cadmium	0.10 mg/l as a monthly average
Zinc	5.0 mg/l as a monthly average
Chromium	5.0 mg/l as a monthly average
Copper	5.0 mg/l as a monthly average
Aluminum	5.0 mg/l as a monthly average
Mercury	0.20 mg/l as a monthly average
Barium	10.0 mg/l as a monthly average
Nickel	5.0 mg/l as a monthly average
Selenium	1.0 mg/l as a monthly average
Boron	8.0 mg/l as a monthly average
Chloride	
Cyanide	
Ammonia, as N	
Nitrite + Nitrate, as N	
Phosphorus	
Fluoride	
Diazinon	
Calcium	
Magnesium	

4. Discharge of wastewater that:

   i. Contains solids that will not pass through a 20 per square inch mesh;

   ii. Has a temperature greater than 104 degrees Fahrenheit;

iii. Has an alkalinity that is greater or less than 10% of source water;

Part 3: Monitoring and Reporting Requirements

A. General Monitoring Requirements

1. The Manager may require any User to monitor wastewater discharge and submit monitoring reports to the District, at a frequency specified by the District.

2. The User shall comply with all monitoring requirements specified in this Permit or otherwise required, in writing, by the District.

3. Flow monitoring and sampling equipment may be required and shall comply with all applicable provisions of this Permit and the Malaga Code.

4. If required, laboratory analysis of industrial wastewater samples shall be performed in accordance with the approved test procedures specified in 40CFR136 unless otherwise authorized, in writing, by the District.

5. If required, all samples must be collected, preserved, and analyzed in accordance with the procedures established in 40 CFR Part 136, and amendments.

6. If required, the User shall have an automated sampler that shall be maintained in accordance with manufacturer's recommendations, shall be cleaned once per month when in use, and samples shall be maintained at 4.0°C (±2.0°C).

7. If required, the User shall operate and maintain an effluent flowmeter, have it electronically calibrated annually and hydraulically calibrated every three years by a recognized professional in flowmeter testing and repair, and provide proof of calibration to the District prior to July 31 annually.

8. If required, continuous on-line monitoring equipment shall be maintained and calibrated in accordance with manufacturer's specifications.

9. If required, to install, operate and maintain at User's cost and expense an automatic, permanent wastewater flow monitoring system approved by the District which provides a primary flow measuring device, indication, recording and totalizing of flow and a signal generating device that can be used to activate the District's and other automatic samplers.

10. If required, to install, operate and maintain at User's cost and expense an automatic wastewater sampling system approved by the District which provides a

flow proportional composite sample, a sample volume of not less than two liters, refrigerated storage and self-purging capability.

11. If required, to install, operate and maintain at User's cost and expense an automatic pH recording system approved by the District which provides a pH recording instrument and a pH probe located downstream of all Pretreatment operations and just before discharge to the sewage system.

12. If required, to install, operate and maintain at User's cost and expense a batch pH neutralization system approved by the District which provides a storage facility for wastewater of pH less than 6.0 or greater than 9.0, a pH measuring device, neutralizing agent and a permanently bound record of pH neutralization before discharge to the sewage system.

13. If required, to install, operate and maintain at User's cost and expense an automatic pH recording and control system approved by the District which provides a pH recording instrument, a pH probe located downstream of all Pretreatment operations and just before discharge into the sewage system, storage for a neutralizing agent, a neutralization chamber, a continuous neutralizing agent injection system activated by pH level and adequate agitation.

B. Sampling Point Location

1. The Sampling Point Location shall be designated at the following location:

Sampling Point Location Name	Location Description
001	The manhole directly linked to the series of cooling towers and prior to connecting to the domestic waste pipeline. See attachments.

2. **Both the User and the District personnel are required to sample from the same sampling point location.**

C. Specific Monitoring and Sampling Requirements for 001

1.

Parameter	Units	Sample Type	Monitoring Frequency	Reporting Frequency	Chain of Custody Required
Flow	Gallons	Metered	Daily	1/Month	No
Electrical Conductivity	µmhos/cm	Metered (24 hr average)	Daily	1/Month	No
pH	Standard units	Grab	1 grab in May & 1 grab in November	2/year (semiannually)	Yes
TSS	mg/L	Grab	1 grab in May & 1 grab in November	2/year (semiannually)	Yes
BOD	mg/L	Grab	1 grab in May & 1 grab in November	2/year (semiannually)	Yes
Pollutants of Concern (POC)	mg/L	Grab	1 grab anytime throughout the course of the year	1/year (annually)	Yes

2. For reports requiring a Chain of Custody, analysis must be performed by a laboratory that is certified for water and wastewater analysis by the State of California, Department of Health Services Environmental Laboratory Accreditation Program (ELAP). The Chain of Custody form shall be attached to the report.

3. Reports are to be submitted no later than 25 calendar days following the monitoring month.

4. Semiannually shall mean monitoring for the months of May and November. Reports are thus due the following June and December respectively.

5. Annually shall mean anytime throughout the course of a calendar year and due no later than the end of December.

D. The User is required to submit an annual monitoring report of the following Pollutants of Concern (POC's) listed below:

1. Ammonia, as N
2. Nitrite + Nitrate, as N
3. Oil and Grease (HEM-polar)
4. Oil And Grease (Petroleum-non polar)
5. Alkalinity
6. Hardness
7. Calcium

8. Magnesium
9. Boron
10. Chloride
11. Cyanide
12. Phosphorus
13. Fluoride
14. Diazinon
15. Iron
16. Lead
17. Silver
18. Arsenic
19. Benzene
20. Phenols
21. Cadmium
22. Zinc
23. Chromium
24. Copper
25. Aluminum
26. Mercury
27. Barium
28. Nickel
29. Selenium

E. Priority Pollutants

The User must submit a toxic organics management plan (TOMP) to the District for approval. Preparation of the TOMP must be done in accordance with EPA regulations and approved by the District. If approved, the User may submit the certification statement as set forth in Part 3.5.a of this Permit. The TOMP shall be submitted to the District no later than March 1, 2016.

F. Reporting Requirements

1. The District may require any User to submit monitoring reports in a format and at a frequency specified by the General Manager. The User shall comply with all reporting requirements specified in this Permit or otherwise required, in writing, by the District and all monitoring and reporting requirements of the Malaga Code.

2. All Users subject to Federal categorical pretreatment standards shall comply with all applicable reporting requirements specified in 40CFR403.12.

3. The User shall immediately notify the District prior to any new or changed discharge, and shall immediately notify the District (phone 559-485-7353) of any wastewater discharge which is not in compliance with the Permit or the Malaga Code, or which might be reasonably judges to constitute a hazard to District personnel, the wastewater treatment system, or the environment.

4. User shall immediately notify the District of any changes that occur at the facility affecting the potential for a Slug Discharge so that the POTW may reevaluate the need for a Slug Control Plan or other actions to prevent such Discharges.

5. The User shall provide a site plan showing the location of all wastewater treatment facilities (grease traps, sand separators, etc.)

6. User shall monitor grease traps weekly and record scum and solids levels.

7. Users shall maintain a District approved hazardous waste inventory accounting system which includes a bound log book containing permanent entries that account, either by mass or by volume, for the disposition of substances prohibited by the Malaga Code or this Permit.

8. Users shall keep waste hauler reports on file for a period of three years.

9. User shall maintain a manifest from all trucks washed at a truck wash facility. A copy of the manifest shall be submitted to the District on demand to confirm the contents of trucks washed out.

10. Users shall maintain a log of all wastewater and solids removed from the premise, to include the destination of the hauled materials. Submit copies of the log on a quarterly basis to MCWD for the first year and annually thereafter.

11. Monitoring results obtained must be summarized and reported in a format acceptable to the District.

12. Reports for parameters with a continuous monitoring frequency must be submitted monthly. The reports are due within 15 days after the end of each calendar month.

13. Reports for parameters with a designated monitoring frequency must be submitted within 15 days after the reporting period.

14. All monitoring reports must indicate the nature and concentration of all pollutants in the effluent for which sampling and analysis were performed during the reporting period preceding the submission of each report, including measured maximum and average daily flows.

15. All reports required by this Permit must be submitted to the Malaga County Water District at the following address:

    Malaga County Water District
    Environmental Compliance Inspector
    3580 S. Frank Street

Fresno, CA 93725

G. Recordkeeping.

Users subject to the reporting requirements of this Code shall retain, and make available for inspection and copying, all records of information obtained pursuant to any monitoring activities required by this Code, any additional records of information obtained pursuant to monitoring activities undertaken by the User independent of such requirements, and documentation associated with Best Management Practices established under this Code. Records shall include the date, exact place, method, and time of sampling, and the name of the person(s) taking the samples; the dates analyses were performed; who performed the analyses; the analytical techniques or methods used; and the results of such analyses. These records shall remain available for a period of at least three (3) years. This period shall be automatically extended for the duration of any litigation concerning the User or the District, or where the User has been specifically notified of a longer retention period by the General Manager, or his or her designee.

H. Certification Statements

1. The User is required to sign and submit the following certification statement if granted use of a Toxic Organic Management Plan in lieu of reporting Priority Pollutants:

"Based on my inquiry of the permit or persons directly responsible for managing compliance with the pretreatment standard for Priority Pollutants (PP's), I certify that, to the best of my knowledge and belief, no dumping of concentrated priority pollutant toxic organics into the wastewaters has occurred since filing of the last discharge monitoring report. I further certify that this facility is implementing the Toxic Organic Management Plan submitted to the Control Authority."

2. The User is required to sign and submit the following certification statement with all monitoring reports:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are signification penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

3. All reports required by this Permit must be submitted to the Malaga County Water District at the following address:

Malaga County Water District

Environmental Compliance Inspector
3580 S. Frank Street
Fresno, CA 93725

I. Annual Publication

As required by the Act, the District's Pretreatment Program, and the Malaga Code, a list of all industries which were in significant noncompliance of applicable federal pretreatment standards or other pretreatment requirements during the twelve (12) previous months shall be annually published by the District in the largest daily newspaper within its service area. Accordingly, the User is apprised that noncompliance with this permit may lead to an enforcement action and may result in publication of its name in an appropriate newspaper. For purposes of this provision, significant noncompliance is defined under 40 CFR 403.8 (f)(2)(vii).

Part 4: Other Conditions

A. Automatic Re-sampling

If the results of the User's wastewater analysis indicate that a violation of this Permit has occurred, the User must:

1. Inform the Malaga County Water District of the violation within 24 hours;

2. Repeat sampling and pollutant analysis and submit, in writing, the results of this second analysis within 30 days of becoming aware if the first violation;

3. Continue repeat sampling until it is determined that the violation has ceased.

4. Pursuant to the provisions of the Malaga Code, the District shall have the ability to sample and analyze any time the District deems appropriate.

B. Accidental Discharge and Reporting

The user must notify the Malaga County Water District immediately upon the occurrence of spills, including, but not limited to, accidental discharges, discharges of a nonroutine, episodic nature, a noncustomary batch discharge, slug loads or slug discharges, that might potential problems for the POTW, or spills that might enter the public sewer. During normal business hours the Malaga County Water District should be notified by telephone at 559-485-7353. The notification must include location of discharge; date and time of discharge; type of waste, including concentration and volume; and corrective actions taken. The User's notification of accidental release in accordance with this section does not relieve it of other reporting requirements that arise under local, state, or federal laws.

Within 5 days following an accidental discharge, the User shall submit to the District Malaga County Water a detailed written report. The report must specify:

1. Description and cause of the upset, slug load, or accidental discharge; the cause thereof; and the impact on the User's compliance status. The description should also include location of discharge and type, concentration, and volume of waste.

2. Duration of noncompliance, including exact dates and times of noncompliance and, if the noncompliance is continuing, the time by which compliance is reasonably expected to occur.

3. All steps taken or to be taken to reduce, eliminate, and/or prevent recurrence of such an upset, slug load, accidental discharge, or other conditions of noncompliance.

C. <u>Pretreatment Systems</u>

1. The District may require Users to install and operate at their own expense the following pretreatment systems:

   i. A grease interceptor approved by the District which (a) prevents excessive grease and oil from entering the sewage system (b) provides at least 1250 gallons storage capacity, at least two compartments, baffles to retain floatable greases and oils and a sampling port and (c) excludes any Sanitary Wastewater from entering the interceptor.

   ii. A grit interceptor approved by the District which (a) prevents sand and settleable grit from entering the sewage system (b) provides a 30-minute detention time base on peak wastewater rate, a minimum capacity of 500 gallons, at least two compartments, baffles to reduce wastewater velocity sufficiently to settle sand and grit and (c) excludes any sanitary wastewater from entering the interceptor.

2. Use of the following pretreatment systems shall not violate any portion of the Malaga Code nor inhibit wastewater treatment systems:

   iii. To operate and maintain any garbage grinders in a manner which prevents discharge of wastewater in violation of the Malaga Code.

   iv. To operate and maintain any water softening units in strict accordance with manufacturer's instructions and in a manner to minimize salts discharge into sewage system.

D. Removed Substances

1. Solids, sludges, filter backwash or other pollutants removed from wastewater in the course of pretreatment or the control of wastewater must be disposed of in accordance with section 405 of the Clean Water Act and Subtitles C and D of the Resource Conservation and recovery Act.

2. Removed Substances shall not be allowed to enter the sewer collection system, nor any storm drain, nor any outfall or drain which leads to a storm water collection system or a water catchment system intended for ground water recharge purposes.

3. Removed substances shall not be retained on the property of the User and shall be properly disposed of as indicated above.

E. Slug Discharge Control Requirements

The User is required to submit and implement a slug discharge control plan if directed by the District. Determination of the requirement for a slug discharge plan shall be made during an initial facility inspection by the District. If it is determined that due to batch discharge or plug flow the WWTF could be hydraulically or biologically overloaded, a slug discharge plan shall be developed and implemented. The slug discharge control plan must include, at a minimum, the following:

1. Description of discharge practices, including non-routine batch discharges.

2. Description of stored chemicals.

3. Procedures for immediately notifying the Malaga County Water District of slug discharges, including any discharge that would violate prohibition under 40CFR 403.5(b), with procedures for follow-up written notification within five days.

4. Procedure to limit any impact on maximum allowable head works loading of the WWTF.

5. Procedures to prevent adverse impact from accidental spills, including inspection and maintenance of storage areas, handling and transfer of materials, loading and unloading operations, control of plant site runoff, worker training, building of containment structures or equipment, measures for containing toxic organic pollutants, and measures and equipment for emergency response.

F. Compliance Schedule

Pursuant to the Enforcement Response Plan, the following levels of escalating enforcement and administrative citations have been established:

1. Warning Notice, and any associated Notices of Non-Compliance;

2. Notice of Violation, and any associated Notices of Non-Compliance;

3. Consent Order, and any associated Notices of Non-Compliance;

4. Compliance Order, and any associated Notices of Non-Compliance; and

5. Show Cause Order, and any associated Notices of Non-Compliance.

i. In the event of any notice or order for compliance, a schedule for compliance shall be included. The User is responsible to meet the schedule for compliance, and shall be penalized according to the provisions of the Enforcement response Plan for failing to do so.

ii. No later than 14 days following the date of the notice or order, the user must submit to the Malaga County Water District a written report including, at a minimum, whether it complied with the increment of progress to be met on such date and, if not, the date on which it expects to comply with the increment of progress, the reasons for delay, and the steps being taken to return the project to the schedule established.

G. Potential Non-Compliance

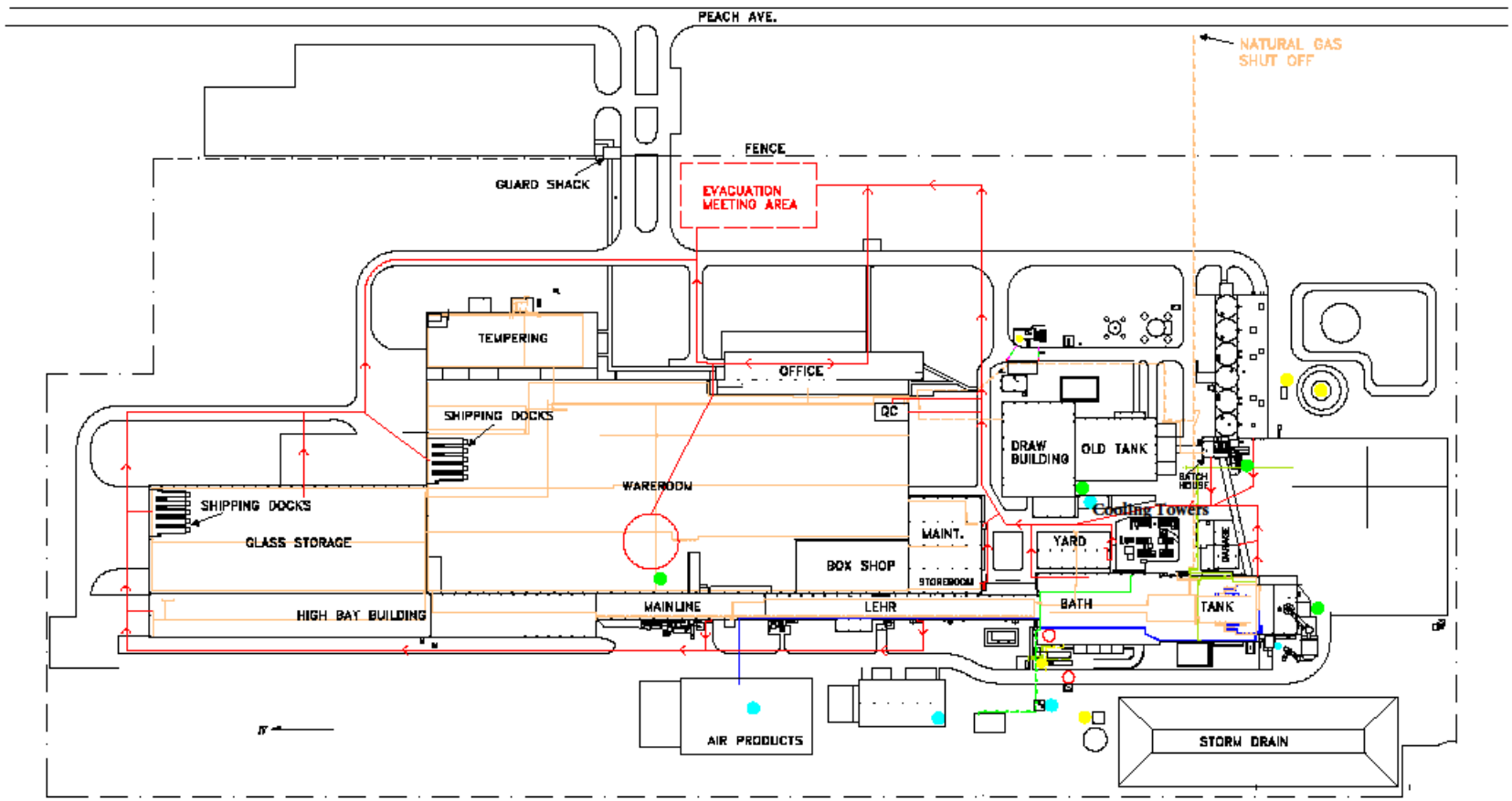
The User must immediately inform the District in the event of the potential for non-compliance for any known reason. Failure to report the potential for non-compliance may result in a harsher penalty for a non-compliance event that was known to pre-exist.

Part 5: Failure to Meet Discharge Limits

Users that absolutely cannot meet, due to their nature of discharge, local limits or discharge limits contained within the Act, after having installed best available pretreatment systems, are required to have their wastewater hauled off to another disposal site.

Attachment 1

Site Map



LEGEND

- COMPRESSED GASES
- OIL STORAGE
- CORROSIVE
- SULFUR DIOXIDE
- EVACUATION ROUTE
- OXYGEN PIPELINE
- HYDROGEN PIPELINE
- NATURAL GAS PIPELINE

SUBJECT INDEX 000-000-00-00-015-000

DO NOT SCALE THIS PRINT

PPG

GLASS DIVISION

EMERGENCY RESPONSE SITE PLAN

SCALE

DRAWING NO.

Attachment 2

Sampling Point Location 001

Description: The manhole directly linked to the series of cooling towers and prior to connecting to the domestic waste pipeline.

Cooling tower
CAUTION
Sampling Point Location 001:
The manhole directly linked to the series of cooling towers and prior to connecting to the domestic waste pipeline.

MALAGA COUNTY WATER DISTRICT

3580 SOUTH FRANK STREET
FRESNO, CALIFORNIA 93725
PHONE (559) 485-7353
FAX (559) 485-7319

NON-RESIDENTIAL

WASTEWATER DISCHARGE PERMIT

Permit No: 1005 **MCWD Account No:** 005

Industrial User:	Rio Bravo Fresno	**Class:** 1	
Mailing Address:	3350 S. Willow Avenue	Significant Industrial User	
	Fresno, CA 93725	Non-Categorical	
Facility Address:	3350 S. Willow Avenue	Slug Discharge Plan not required	
	Fresno, CA 93725		
Authorized Rep:	Rick Spurlock	**Phone No:**	559-264-4575
Title:	Plant Manager		
Contact:	Same	**Phone No:**	559-264-4575
APN:	331-072-16S		
SIC No:	4911		
Fee:	$ 1262.78		
No. of Employees:	29		
Effective Date:	01/01/2016		
Expires:	12/31/2016	**Sewer Unit Allocation:**	223

Authorized District Signature: _____ Issue Date: 12/15/2015
District Manager

This permit authorizes the Permitee to discharge non-residential wastewater in accordance with the terms and conditions specified herein, provided that all other District requirements are met. Other District requirements include, but are not necessarily limited to, paying sewer connection fees and annexation fees and obtaining a sewer connection permit.

Industrial User Wastewater Discharge Permit

Part 1: Standard Conditions

A. Duty to Comply

The permitted Industrial User ("User") shall comply with all of the conditions of this Industrial Wastewater Discharge Permit ("Permit") and all of the provisions, terms, and requirements of the Malaga Code ("Code"), the Pretreatment Program, the Clean Water Act ("Act") and all orders, ordinances, rules, resolutions, and regulations of the District, including but not limited to connection permits and baseline discharge requirements. Failure to comply with the requirements of this permit may be grounds for enforcement action, including civil or criminal penalties, injunctive relief and summary abatements as set forth in the District's Enforcement Response Plan ("ERP").

B. Duty to Mitigate

The User shall take all reasonable steps to minimize or correct any adverse impact to the wastewater treatment system or the environment resulting from noncompliance with this Permit including such accelerated or additional monitoring and sampling or other orders as necessary to determine the nature and impact of and to correct the non-complying discharge.

C. Permit Modification

The District may modify the Permit for good cause, including but not limited to, the following reasons:

1. To incorporate any new or revised Federal, State, or local pretreatment standards or requirements;

2. To address significant alterations or additions to the User's operation, processes, or wastewater volume or character since the time of the individual wastewater discharge Permit issued;

3. A change in any process or discharge condition in either the industrial user or the POTW that requires either a temporary or permanent reduction or elimination of the authorized discharge;

4. Information indicating that the permitted discharge poses a threat to the Control Authority's collection and treatment systems, WWTF and equipment, personnel or the receiving waters;
5. Violation of any terms or conditions of the Permit;

6. Misrepresentation or failure to disclose fully all relevant facts in the Permit application or in any required reporting;

7. Revision of or a grant of variance from such categorical standards pursuant to 40 CFR 403.13;

8. To correct typographical or other errors in the Permit;

9. To reflect of the facility ownership and/or operation to a new owner/operator; or

10. Upon request of the User, provided such request does not create a violation of any applicable requirements, standards, laws, or rules and regulations.
11. The filing of a request by the User for a Permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay or modify any Permit condition.

D. <u>Retention of Records</u>

In addition to the record keeping requirements of the Malaga Code, Pretreatment program and the Act, the User shall retain records as follows:

1. The industrial user shall retain records of all monitoring information, copies of all reports required by this permit and records of all data used to complete the application for this permit, for a period of at least three years from the date of the sample, measurement, report or application. This period may be extended by the request of the District at any time.

2. All records that pertain to matters that are the subject of special orders or any other enforcement or litigation activities brought by the District shall be retained and preserved by the industrial user for three years after all enforcement activities have concluded and the time to bring any appeal(s) have expired.

E. <u>Permit Termination</u>

This Permit may be terminated for the following reasons:

1. Failure to notify the District of significant changes to the wastewater prior to the change discharge;

2. Failure to provide prior notification to the District of changed conditions;

3. Misrepresentation or failure to fully disclose all relevant facts in wastewater discharge Permit application;

4. Falsifying self-monitoring reports and/or certification statements;

5. Tampering with monitoring equipment;

6. Refusing to allow timely access to the facility premises and records;

7. Failure to meet effluent limitations;

8. Failure to pay fines;

9. Failure to pay sewer charges;

10. Failure to meet compliance schedules;

11. Failure to complete a wastewater survey and renewal form, or the wastewater discharge Permit application;

12. Failure to provide advance notice of the transfer of business ownership of a permitted facility; or

13. Violation of any pretreatment standard or requirement including required BMPs contained in the Code, or the wastewater discharge Permit, or the Pretreatment Program.

F. Notification and Reporting

1. In addition to the record keeping and reporting requirements of the Malaga Code, the Pretreatment Program, and the Act, the User shall notify the District prior to any new or changed discharge, and shall immediately notify the District at (559) 485-7353 of any wastewater discharge which is not in compliance with this Permit, or the Pretreatment Program, or the Code, or which might be reasonably judged to constitute a hazard to District personnel, the wastewater treatment system, or the environment.

2. The User shall furnish any information relating to wastewater discharge quantity and quality as required by the District, and shall comply with all reporting requirements specified in this Permit.

G. Costs and Fees

1. The User shall pay all fees required by District ordinances, including but not limited to, permit fees, connection fees, annexation fees, bond debt services charges, and sewer unit fees.

2. The User shall also pay any additional cost or expenses incurred by the District for handling and treating excess loads imposed on the treatment system and any cost or expense incurred by the District in the enforcement of the provisions of its ordinances and the correction of violations thereof.

H. Facilities

1. The User shall make wastewater acceptable under the limitations of the Code and the Pretreatment Program before discharging to the sewage system. Any facilities required to pretreat wastewater to a level acceptable to the District shall be provided and maintained at the User's expense. Detailed plans showing the pretreatment facilities and operating facilities shall be submitted to the District for review, and shall be acceptable to and approved by the District, in writing, before construction of the facility. The review of such plans and operating procedures will in no way relieve the User from the responsibility of modifying the facility as necessary to produce an effluent acceptable to the District under the provisions of the Malaga Code. Any subsequent changes in the pretreatment facilities or method of operation shall be reported to, and be approved in writing by, the District.

2. Pretreatment facilities (including sampling and flow monitoring facilities) shall be maintained in good working order and shall be operated so as to ensure continuous compliance with District ordinances, resolutions, rules and regulations, and any applicable permits by the User at the User's own cost and expense. Pretreatment facilities are at all times subject to the requirements of these rules and regulations and all other applicable codes, ordinances, and laws. Intermittent operation of pretreatment facilities except as provided for in writing by the District during discharge to the sewage system is prohibited.

3. All solids, sludge, filter backwash or other pollutants removed by pretreatment facilities shall not be discharged to the sewage system, nor allowed to enter any storm water or ground water recharge system, nor allowed to seep into the ground, but shall be stored, treated and/or disposed of in accordance with applicable County, State and Federal regulations.

I. Right of Entry

Pursuant to the provisions of the Malaga Code, the User shall allow District personnel, upon the presentation of credentials, to enter upon any property or premises, the User, by accepting any permit issued pursuant to the Code, does hereby consent and agree to the entry upon the premises, described in the Permit, by District personnel for the following purposes as required by the Permit at all reasonable times:

1. Reviewing and copying any records required to be kept under the provisions of the Malaga Code;

2. Inspecting any monitoring equipment, pretreatment facility or discharge-producing process;

3. Inspecting and/or sampling any discharge of wastewater to the wastewater facilities. District personnel may enter upon the property at any hour under emergency circumstances. In the event of such emergency entry, District personnel shall make every effort to immediately notify the User's designated agent;

4. To investigate the possible violation of the Malaga Code or Permit;

5. To photograph any waste, waste container, vehicle, waste treatment process, discharge location, or violation discovered during an inspection.

6. Users shall cooperate at all times with authorized District personnel in the inspection, sampling and study of the User's facilities and wastewater.

J. Duration

The terms and conditions of this Permit shall remain in effect until either:

1. The Permit is modified;

2. The Permit is revoked;

3. The Permit expires and cause is determined for non-renewal of the Permit;

4. Failure of the District to act upon a valid Permit application or renewal application shall allow for automatic extension of operations under existing Permit conditions until such District action is complete.

5. Failure of the District to act upon a valid Permit application or renewal application shall allow for automatic extension of operations under existing Permit conditions until such District action is complete.

6. This Permit allows the User to operate only one industrial wastewater discharge point to the sewer collection system.

K. Severability

The provisions of this Permit are severable, and if any provisions of this Permit or the application of any provision of this Permit to any circumstances is held invalid, the application of such provision to other circumstances and the remainder of the Permit shall not be affected hereby.

L. Transferability

This Permit shall not be reassigned, transferred, or sold to a new owner, new user, different premises, or to a new or changed operation.

M. Enforcement and Penalties

Failure to comply with any of the provisions of this Permit, the Malaga Code, or applicable State or Federal laws or regulations may result in any or all of the following actions:

1. Administrative actions including but not limited to Notices of Violation, Administrative Orders, Administrative Citations, Administrative Complaints, Administrative Hearings, Governing Board Hearings, Compliance Orders, Orders to Show Cause and civil penalties in an amount of not less than one thousand dollars ($1,000) per day, per violation;

2. Legal actions including but not limited to preliminary or permanent injunctions, or both;

3. Civil and/or criminal penalties;

4. Permit revocation;

5. Temporary or permanent disconnection from the District's sewerage system;

6. Water supply severance.

N. Appeals

Any User affected by any decision, action, or determination, including Administrative Orders, issued by the District, interpreting or implementing he provisions of The Malaga Code or any permit or Order issued thereunder, may file with the District a written request for reconsideration within ten (10) days of such decision, action, or determination, setting forth in detail in facts supporting the User's request for reconsideration.

If the ruling made by the Manager is unsatisfactory to the person requesting reconsideration, this person may, within ten (10) days after notification of District action, file a written appeal to the District's Board of Directors. The written appeal shall be heard by the body within sixty (60) days from the date of filing. The District's Board of Directors shall make a final ruling on the appeal within ten (10) days of the close of the meeting. The Manager's decision, action, or determination shall remain in effect during such period of reconsideration.

Any User aggrieved by a final order issued by the Board of Directors may obtain review of the order of the Board in the Superior Court by filing in the court a petition for writ of

mandate within thirty (30) days following the service of a copy of a decision and order issued by the Board.

If no aggrieved party petitions for writ of mandate within the time provided by this section, an order of the Board shall not be subject to review by any court or agency, except that the Board may grant review on its own motion after the expiration of the time limits.

O. Definitions

The following definitions below are intended to serve only as references to the definitions contained within the Malaga Code and do not overwrite any of those aforementioned definitions.

1. Composite Sample. A representative sample, formed either by continuous sampling or by mixing discrete samples. The sample may be composited either as a:

    i. Time based composite sample: composed of discrete sample aliquots collected in one container at constant time intervals providing representative samples irrespective of stream flow; or a

    ii. flow-proportional composite sample: collected either as a constant sample volume at time intervals proportional to stream flow, or collected by increasing the volume of each aliquot as the flow increases while maintaining a constant time interval between the aliquots.

2. Daily Maximum. The maximum allowable discharge limit of a pollutant expressed in units of mass per day. Where daily maximum limits are expressed in terms of a concentration, the daily discharge is the arithmetic average measurement of the pollutant concentration derived from all measurements taken that day.

3. Grab Sample. An individual sample collected without regard for flow or time.

4. Instantaneous Maximum Concentration. The maximum concentration allowed in any single grab sample.

5. Cooling Water. Either,

    i. Uncontaminated – Water used for cooling purposes only which has no direct contact with any raw material, intermediate, or final product and which does not contain a level of contaminants detectably higher than that of the intake water.

ii. Contaminated – Water used for cooling purposes only which may become contaminated either through the use of water treatment chemicals used for corrosion inhibitors or biocides, or by direct contact with process materials and/or wastewater.

6. Monthly Average. The arithmetic mean of the values for effluent samples collected during a calendar month or specified 30 day period (as opposed to a rolling 30 day window). Compliance with the monthly average discharge limit is required regardless of the number of samples collected and analyzed.

7. Bi-Weekly. Once every other week.

8. Bi-Monthly. Once every other month.

9. Upset. An exceptional incident resulting in temporary and unintentional non-compliance because of factors beyond the reasonable control of the discharger.

10. Bypass. Means the diversion of wastes from any portion of a pretreatment process or facility.

11. Slug Discharge. Any discharge of a non-routine, episodic nature, including but not limited to an accidental spill or a non-customary batch discharge, which has a reasonable potential to cause interference or pass through, or in any other way violate the POTW's regulations, local limits or permit conditions.

12. Batch Discharge. A single, episodic discharge of accumulated waste, as opposed to a continuous, uninterrupted flow of waste material.

P. Dilution

The User shall not increase the use of potable water or process water or, in any way, attempt to dilute a discharge as a partial or complete substitute for adequate treatment to achieve compliance with a discharge limitation unless expressly authorized by an applicable Pretreatment Standard or Requirement. The District may impose mass limitations to meet applicable Pretreatment Standards or requirements, or in other cases when the imposition of mass limitations is appropriate.

Part 2: Discharge prohibitions and Limitations

A. Standard Discharge Prohibitions

The User shall comply with all discharge prohibitions and limitations specified in the Malaga Code, the Pretreatment Program, and this Permit. Prohibitions include but are not limited to:

1. Any materials that may cause interference or pass through;

2. Oils and Grease in any amounts that may cause an obstruction in the sewer collection system;

3. Explosive mixtures;

4. Noxious materials;

5. Shredded garbage;

6. Solid or viscous waste that cause an obstruction or decrease flow in the sewer collection system to less than two feet per second;

7. Slug loads not coordinated with the District by a Slug Control Plan;

8. Toxic or hazardous materials;

9. Unpolluted waters;

10. Wastes with objectionable color or odor;

11. Corrosive waste;

12. Trucked or hauled waste;

13. Sludges, screenings, or other residues from wastewater pretreatment;

14. Medical wastes;

15. Detergents, surface active agents, or other substances that may cause excessive foaming at the WWTF;

16. Any substance that will interfere or upset the treatment process at the WWTF;

17. Any substance that may result in the WWTF exceeding NPDES permit limits.

18. Any bypass as defined in Part 1(O)(10) of this permit.

B. Discharge Local Limits

1.

Parameter	Discharge Local Limit	Specific Conditions
pH	6.0 - 9.0	pH is an instantaneous reading and cannot be averaged
Electrical Conductivity (EC)	950 µmhos/cm	Monthly average
Biochemical Oxygen Demand (BOD)	1,000 mg/L	Monthly average
Suspended Solids	1,000 mg/L	Monthly average
Chemical Oxygen Demand (COD)	1,000 mg/L	Monthly average
Oil and Greases	100 mg/L	Monthly average

2. Animal and vegetable (polar) O&G not greater than 300 mg/l;

3. Discharge of the following Pollutants of Concern (POC's) above Local Limits:

Pollutant	Local Limit
Iron	1.0 mg/l as a monthly average
Lead	5.0 mg/l as a monthly average
Silver	5.0 mg/l as a monthly average
Arsenic	5.0 mg/l as a monthly average
Benzene	5.0 mg/l as a monthly average
Phenols	1.0 mg/l as a monthly average
Cadmium	0.10 mg/l as a monthly average
Zinc	5.0 mg/l as a monthly average
Chromium	5.0 mg/l as a monthly average
Copper	5.0 mg/l as a monthly average
Aluminum	5.0 mg/l as a monthly average
Mercury	0.20 mg/l as a monthly average
Barium	10.0 mg/l as a monthly average
Nickel	5.0 mg/l as a monthly average
Selenium	1.0 mg/l as a monthly average
Boron	8.0 mg/l as a monthly average
Chloride	
Cyanide	
Ammonia, as N	
Nitrite + Nitrate, as N	
Phosphorus	
Fluoride	
Diazinon	
Calcium	
Magnesium	

4. Discharge of wastewater that:

   i. Contains solids that will not pass through a 20 per square inch mesh;

ii. Has a temperature greater than 104 degrees Fahrenheit;

iii. Has an alkalinity that is greater or less than 10% of source water;

Part 3: Monitoring and Reporting Requirements

A. General Monitoring Requirements

1. The Manager may require any User to monitor wastewater discharge and submit monitoring reports to the District, at a frequency specified by the District.

2. The User shall comply with all monitoring requirements specified in this Permit or otherwise required, in writing, by the District.

3. Flow monitoring and sampling equipment may be required and shall comply with all applicable provisions of this Permit and the Malaga Code.

4. If required, laboratory analysis of industrial wastewater samples shall be performed in accordance with the approved test procedures specified in 40CFR136 unless otherwise authorized, in writing, by the District.

5. If required, all samples must be collected, preserved, and analyzed in accordance with the procedures established in 40 CFR Part 136, and amendments.

6. If required, the User shall have an automated sampler that shall be maintained in accordance with manufacturer's recommendations, shall be cleaned once per month when in use, and samples shall be maintained at 4.0°C (±2.0°C).

7. If required, the User shall operate and maintain an effluent flowmeter, have it electronically calibrated annually and hydraulically calibrated every three years by a recognized professional in flowmeter testing and repair, and provide proof of calibration to the District prior to July 31 annually.

8. If required, continuous on-line monitoring equipment shall be maintained and calibrated in accordance with manufacturer's specifications.

9. If required, to install, operate and maintain at User's cost and expense an automatic, permanent wastewater flow monitoring system approved by the District which provides a primary flow measuring device, indication, recording and totalizing of flow and a signal generating device that can be used to activate the District's and other automatic samplers.

10. If required, to install, operate and maintain at User's cost and expense an automatic wastewater sampling system approved by the District which provides a flow proportional composite sample, a sample volume of not less than two liters, refrigerated storage and self-purging capability.

11. If required, to install, operate and maintain at User's cost and expense an automatic pH recording system approved by the District which provides a pH recording instrument and a pH probe located downstream of all Pretreatment operations and just before discharge to the sewage system.

12. If required, to install, operate and maintain at User's cost and expense a batch pH neutralization system approved by the District which provides a storage facility for wastewater of pH less than 6.0 or greater than 9.0, a pH measuring device, neutralizing agent and a permanently bound record of pH neutralization before discharge to the sewage system.

13. If required, to install, operate and maintain at User's cost and expense an automatic pH recording and control system approved by the District which provides a pH recording instrument, a pH probe located downstream of all Pretreatment operations and just before discharge into the sewage system, storage for a neutralizing agent, a neutralization chamber, a continuous neutralizing agent injection system activated by pH level and adequate agitation.

B. Sampling Point Location

1. The Sampling Point Location shall be designated at the following location:

Sampling Point Location Name	Location Description
001	There is a pipe labeled "cooling water" that drains to the sink in the laboratory room. The industrial wastewater exiting from this pipe is used for collecting grab samples for self-reporting requirements. See attachment 1.
002	The manhole located outside the facility premises and along Willow Avenue. This sampling location shall be used for collecting composite samples. See attachment 2.

2. **Both the User and the District personnel are required to sample from the same sampling point location (001).**

C. Specific Monitoring and Sampling Requirements

1.

Parameter	Units	Sample Type	Monitoring Frequency	Reporting Frequency	Chain of Custody Required
Flow	Gallons	Metered	Daily	1/month	No
Electrical Conductivity	µmhos/cm	Metered 24hr average	Daily	1/month	No
pH	Standard Units	Grab	2/year	2/year (semiannually)	Yes
TSS	mg/L	Grab	2/year	2/year (semiannually)	Yes
BOD	mg/L	Grab	2/year	2/year (semiannually)	Yes
Pollutants of Concern (POC)	mg/L	Grab	1/year	1/year (annually)	Yes

2. **Sample point location 001 shall be used for grab samples required for self-monitoring reports. See attachments.**
3. For reports requiring a Chain of Custody, analysis must be performed by a laboratory that is certified for water and wastewater analysis by the State of California, Department of Health Services Environmental Laboratory Accreditation Program (ELAP). A Chain of Custody form shall be attached to the report.
4. Reports are to be submitted no later than 25 calendar days following the monitoring month.
5. Semiannually shall mean monitoring for the months of May and November. Reports are thus due the following June and December respectively.
6. Annually shall mean anytime throughout the course of a calendar year and due no later than the end of December.

D. The User is required to submit an annual monitoring report of the following Pollutants of Concern (POC's) listed below:

1. Ammonia, as N
2. Nitrite + Nitrate, as N
3. Oil and Grease (HEM-polar)
4. Oil And Grease (Petroleum-non polar)
5. Alkalinity
6. Hardness
7. Calcium
8. Magnesium
9. Boron
10. Chloride

11. Cyanide
12. Phosphorus
13. Fluoride
14. Diazinon
15. Iron
16. Lead
17. Silver
18. Arsenic
19. Benzene
20. Phenols
21. Cadmium
22. Zinc
23. Chromium
24. Copper
25. Aluminum
26. Mercury
27. Barium
28. Nickel
29. Selenium

E. Priority Pollutants

The User must submit a toxic organics management plan (TOMP) to the District for approval. Preparation of the TOMP must be done in accordance with EPA regulations and approved by the District. If approved, the User may submit the certification statement as set forth in Part 3.5.a of this Permit. The TOMP shall be submitted to the District no later than March 1, 2016.

F. Reporting Requirements

1. The District may require any User to submit monitoring reports in a format and at a frequency specified by the General Manager. The User shall comply with all reporting requirements specified in this Permit or otherwise required, in writing, by the District and all monitoring and reporting requirements of the Malaga Code.

2. All Users subject to Federal categorical pretreatment standards shall comply with all applicable reporting requirements specified in 40CFR403.12.

3. The User shall immediately notify the District prior to any new or changed discharge, and shall immediately notify the District (phone 559-485-7353) of any wastewater discharge which is not in compliance with the Permit or the Malaga Code, or which might be reasonably judges to constitute a hazard to District personnel, the wastewater treatment system, or the environment.

4. User shall immediately notify the District of any changes that occur at the facility affecting the potential for a Slug Discharge so that the POTW may

reevaluate the need for a Slug Control Plan or other actions to prevent such Discharges.

5. The User shall provide a site plan showing the location of all wastewater treatment facilities (grease traps, sand separators, etc.)

6. User shall monitor grease traps weekly and record scum and solids levels.

7. Users shall maintain a District approved hazardous waste inventory accounting system which includes a bound log book containing permanent entries that account, either by mass or by volume, for the disposition of substances prohibited by the Malaga Code or this Permit.

8. Users shall keep waste hauler reports on file for a period of three years.

9. User shall maintain a manifest from all trucks washed at a truck wash facility. A copy of the manifest shall be submitted to the District on demand to confirm the contents of trucks washed out.

10. Users shall maintain a log of all wastewater and solids removed from the premise, to include the destination of the hauled materials. Submit copies of the log on a quarterly basis to MCWD for the first year and annually thereafter.

11. Monitoring results obtained must be summarized and reported in a format acceptable to the District.

12. Reports for parameters with a continuous monitoring frequency must be submitted monthly. The reports are due within 15 days after the end of each calendar month.

13. Reports for parameters with a designated monitoring frequency must be submitted within 15 days after the reporting period.

14. All monitoring reports must indicate the nature and concentration of all pollutants in the effluent for which sampling and analysis were performed during the reporting period preceding the submission of each report, including measured maximum and average daily flows.

15. All reports required by this Permit must be submitted to the Malaga County Water District at the following address:

    Malaga County Water District
    Environmental Compliance Inspector
    3580 S. Frank Street
    Fresno, CA 93725

G. Recordkeeping.

Users subject to the reporting requirements of this Code shall retain, and make available for inspection and copying, all records of information obtained pursuant to any monitoring activities required by this Code, any additional records of information obtained pursuant to monitoring activities undertaken by the User independent of such requirements, and documentation associated with Best Management Practices established under this Code. Records shall include the date, exact place, method, and time of sampling, and the name of the person(s) taking the samples; the dates analyses were performed; who performed the analyses; the analytical techniques or methods used; and the results of such analyses. These records shall remain available for a period of at least three (3) years. This period shall be automatically extended for the duration of any litigation concerning the User or the District, or where the User has been specifically notified of a longer retention period by the General Manager, or his or her designee.

H. Certification Statements

1. The User is required to sign and submit the following certification statement if granted use of a Toxic Organic Management Plan in lieu of reporting Priority Pollutants:

"Based on my inquiry of the permit or persons directly responsible for managing compliance with the pretreatment standard for Priority Pollutants (PP's), I certify that, to the best of my knowledge and belief, no dumping of concentrated priority pollutant toxic organics into the wastewaters has occurred since filing of the last discharge monitoring report. I further certify that this facility is implementing the Toxic Organic Management Plan submitted to the Control Authority."

2. The User is required to sign and submit the following certification statement with all monitoring reports:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are signification penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

3. All reports required by this Permit must be submitted to the Malaga County Water District at the following address:

Malaga County Water District
Environmental Compliance Inspector
3580 S. Frank Street
Fresno, CA 93725

I. Annual Publication

As required by the Act, the District's Pretreatment Program, and the Malaga Code, a list of all industries which were in significant noncompliance of applicable federal pretreatment standards or other pretreatment requirements during the twelve (12) previous months shall be annually published by the District in the largest daily newspaper within its service area. Accordingly, the User is apprised that noncompliance with this permit may lead to an enforcement action and may result in publication of its name in an appropriate newspaper. For purposes of this provision, significant noncompliance is defined under 40 CFR 403.8 (f)(2)(vii).

Part 4: Other Conditions

A. Automatic Re-sampling

If the results of the User's wastewater analysis indicate that a violation of this Permit has occurred, the User must:

1. Inform the Malaga County Water District of the violation within 24 hours;
2. Repeat sampling and pollutant analysis and submit, in writing, the results of this second analysis within 30 days of becoming aware if the first violation;
3. Continue repeat sampling until it is determined that the violation has ceased.
4. Pursuant to the provisions of the Malaga Code, the District shall have the ability to sample and analyze any time the District deems appropriate.

B. Accidental Discharge and Reporting

The user must notify the Malaga County Water District immediately upon the occurrence of spills, including, but not limited to, accidental discharges, discharges of a nonroutine, episodic nature, a noncustomary batch discharge, slug loads or slug discharges, that might potential problems for the POTW, or spills that might enter the public sewer. During normal business hours the Malaga County Water District should be notified by telephone at 559-485-7353. The notification must include location of discharge; date and time of discharge; type of waste, including concentration and volume; and corrective actions taken. The User's notification of accidental release in accordance with this section does not relieve it of other reporting requirements that arise under local, state, or federal laws.

Within 5 days following an accidental discharge, the User shall submit to the District Malaga County Water a detailed written report. The report must specify:

1. Description and cause of the upset, slug load, or accidental discharge; the cause thereof; and the impact on the User's compliance status. The description should also include location of discharge and type, concentration, and volume of waste.

2. Duration of noncompliance, including exact dates and times of noncompliance and, if the noncompliance is continuing, the time by which compliance is reasonably expected to occur.

3. All steps taken or to be taken to reduce, eliminate, and/or prevent recurrence of such an upset, slug load, accidental discharge, or other conditions of noncompliance.

C. Pretreatment Systems

1. The District may require Users to install and operate at their own expense the following pretreatment systems:

   i. A grease interceptor approved by the District which (a) prevents excessive grease and oil from entering the sewage system (b) provides at least 1250 gallons storage capacity, at least two compartments, baffles to retain floatable greases and oils and a sampling port and (c) excludes any Sanitary Wastewater from entering the interceptor.

   ii. A grit interceptor approved by the District which (a) prevents sand and settleable grit from entering the sewage system (b) provides a 30-minute detention time base on peak wastewater rate, a minimum capacity of 500 gallons, at least two compartments, baffles to reduce wastewater velocity sufficiently to settle sand and grit and (c) excludes any sanitary wastewater from entering the interceptor.

2. Use of the following pretreatment systems shall not violate any portion of the Malaga Code nor inhibit wastewater treatment systems:

   iii. To operate and maintain any garbage grinders in a manner which prevents discharge of wastewater in violation of the Malaga Code.

   iv. To operate and maintain any water softening units in strict accordance with manufacturer's instructions and in a manner to minimize salts discharge into sewage system.

D. Removed Substances

1. Solids, sludges, filter backwash or other pollutants removed from wastewater in the course of pretreatment or the control of wastewater must be disposed of in accordance with section 405 of the Clean Water Act and Subtitles C and D of the Resource Conservation and recovery Act.

2. Removed Substances shall not be allowed to enter the sewer collection system, nor any storm drain, nor any outfall or drain which leads to a storm water collection system or a water catchment system intended for ground water recharge purposes.

3. Removed substances shall not be retained on the property of the User and shall be properly disposed of as indicated above.

E. Slug Discharge Control Requirements

The User is required to submit and implement a slug discharge control plan if directed by the District. Determination of the requirement for a slug discharge plan shall be made during an initial facility inspection by the District. If it is determined that due to batch discharge or plug flow the WWTF could be hydraulically or biologically overloaded, a slug discharge plan shall be developed and implemented. The slug discharge control plan must include, at a minimum, the following:

1. Description of discharge practices, including non-routine batch discharges.

2. Description of stored chemicals.

3. Procedures for immediately notifying the Malaga County Water District of slug discharges, including any discharge that would violate prohibition under 40CFR 403.5(b), with procedures for follow-up written notification within five days.

4. Procedure to limit any impact on maximum allowable head works loading of the WWTF.

5. Procedures to prevent adverse impact from accidental spills, including inspection and maintenance of storage areas, handling and transfer of materials, loading and unloading operations, control of plant site runoff, worker training, building of containment structures or equipment, measures for containing toxic organic pollutants, and measures and equipment for emergency response.

F. Compliance Schedule

Pursuant to the Enforcement Response Plan, the following levels of escalating enforcement and administrative citations have been established:

1. Warning Notice, and any associated Notices of Non-Compliance;

2. Notice of Violation, and any associated Notices of Non-Compliance;

3. Consent Order, and any associated Notices of Non-Compliance;

4. Compliance Order, and any associated Notices of Non-Compliance; and

5. Show Cause Order, and any associated Notices of Non-Compliance.

i. In the event of any notice or order for compliance, a schedule for compliance shall be included. The User is responsible to meet the schedule for compliance, and shall be penalized according to the provisions of the Enforcement response Plan for failing to do so.

ii. No later than 14 days following the date of the notice or order, the user must submit to the Malaga County Water District a written report including, at a minimum, whether it complied with the increment of progress to be met on such date and, if not, the date on which it expects to comply with the increment of progress, the reasons for delay, and the steps being taken to return the project to the schedule established.

G. Potential Non-Compliance

The User must immediately inform the District in the event of the potential for non-compliance for any known reason. Failure to report the potential for non-compliance may result in a harsher penalty for a non-compliance event that was known to pre-exist.

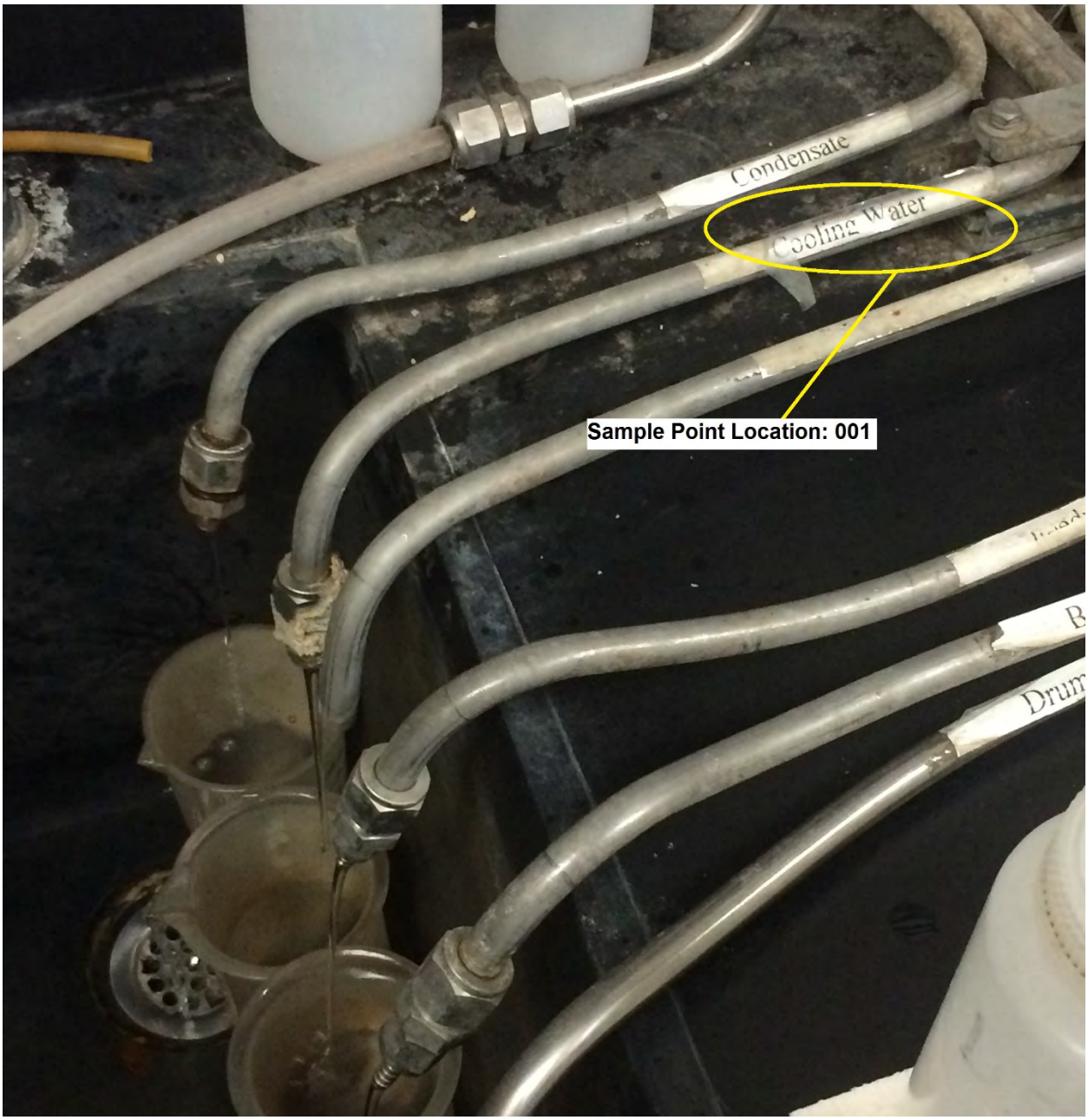
Part 5: Failure to Meet Discharge Limits

Users that absolutely cannot meet, due to their nature of discharge, local limits or discharge limits contained within the Act, after having installed best available pretreatment systems, are required to have their wastewater hauled off to another disposal site.

Attachment 1
Sampling Point Location 001

Description:

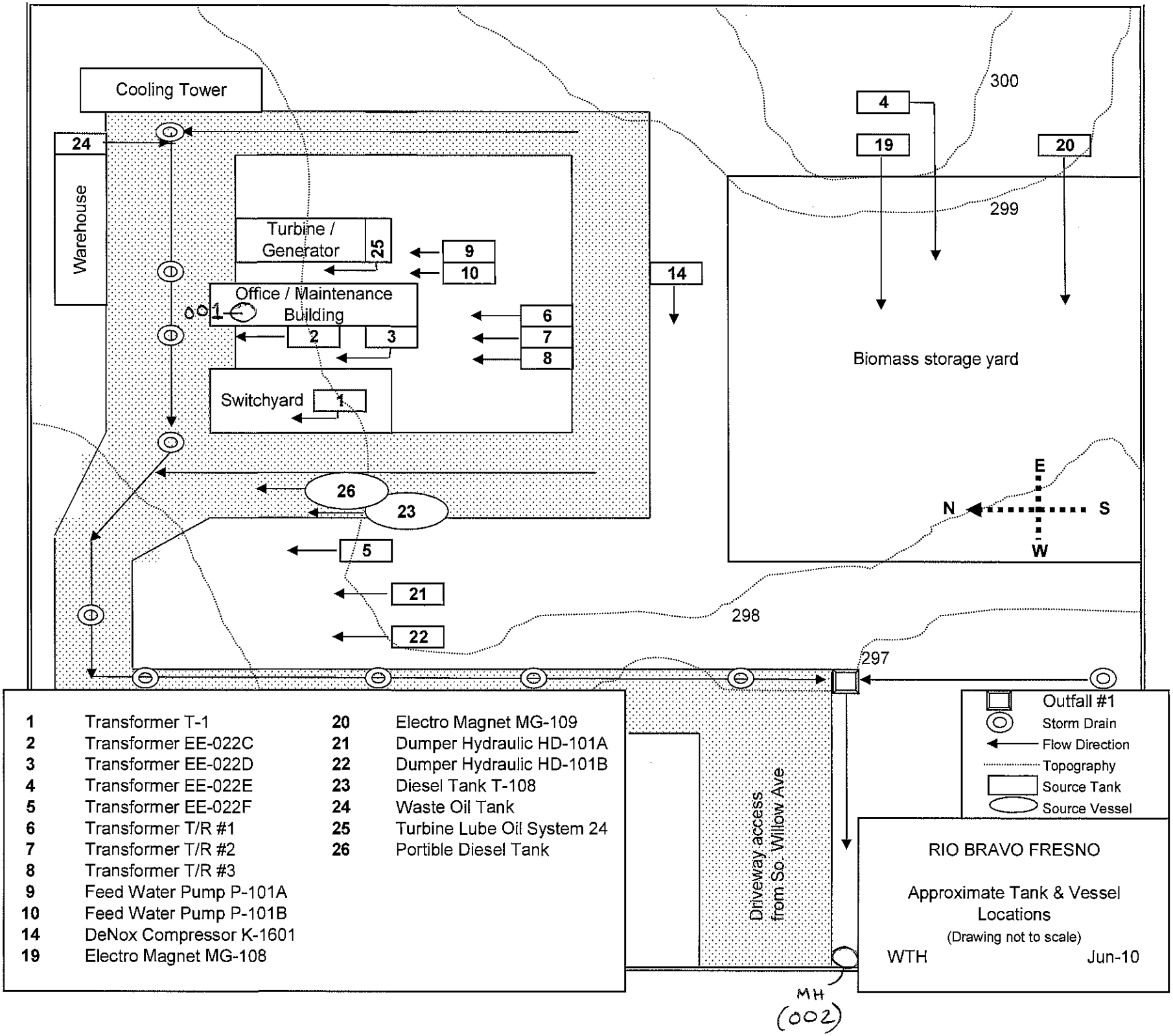
The pipe labeled “cooling water” that drains to the sink in the laboratory room. The industrial wastewater exiting from this pipe is used for collecting grab samples and for self-reporting requirements.


Condensate
Cooling Water
Sample Point Location: 001

Attachment 2
Sampling Point Location 002

Description:

The manhole located outside the facility premises and along Willow Avenue. This sampling point location shall be used for collecting composite samples.



1	Transformer T-1	20	Electro Magnet MG-109
2	Transformer EE-022C	21	Dumper Hydraulic HD-101A
3	Transformer EE-022D	22	Dumper Hydraulic HD-101B
4	Transformer EE-022E	23	Diesel Tank T-108
5	Transformer EE-022F	24	Waste Oil Tank
6	Transformer T/R #1	25	Turbine Lube Oil System 24
7	Transformer T/R #2	26	Portible Diesel Tank
8	Transformer T/R #3		
9	Feed Water Pump P-101A		
10	Feed Water Pump P-101B		
14	DeNox Compressor K-1601		
19	Electro Magnet MG-108		

MALAGA COUNTY WATER DISTRICT

3580 SOUTH FRANK STREET
FRESNO, CALIFORNIA 93725
PHONE (559) 485-7353
FAX (559) 485-7319

NON-RESIDENTIAL

WASTEWATER DISCHARGE PERMIT

Permit No: 1008 **MCWD Account No:** 024

Industrial User:	Stratas Foods	**Class:** 1	
Mailing Address:	3390 S. Chestnut Avenue	Significant Industrial User	
	Fresno, CA 93725	Non-categorical	
Facility Address:	3390 Chestnut Avenue	Slug Discharge Plan not required	
	Fresno, CA 93725		
Authorized Rep:	Jerry Sikula	**Phone No:**	559-495-4503
Title:	Plant Manager		
Contact:	Veronica Perez	**Phone No:**	559-495-4527
APN:	331-071-27S and 331-071-30S		
SIC No:	2079		
Fee:	$ 1262.78		
No. of Employees:	75		
Effective Date:	01/01/2016		
Expires:	12/31/2016	**Sewer Unit Allocation:**	452

Authorized District Signature: JPAnderson
District Manager

Issue Date: 12/15/2015

This permit authorizes the Permitee to discharge non-residential wastewater in accordance with the terms and conditions specified herein, provided that all other District requirements are met. Other District requirements include, but are not necessarily limited to, paying sewer connection fees and annexation fees and obtaining a sewer connection permit.

Industrial User Wastewater Discharge Permit

Part 1: Standard Conditions

A. Duty to Comply

The permitted Industrial User ("User") shall comply with all of the conditions of this Industrial Wastewater Discharge Permit ("Permit") and all of the provisions, terms, and requirements of the Malaga Code ("Code"), the Pretreatment Program, the Clean Water Act ("Act") and all orders, ordinances, rules, resolutions, and regulations of the District, including but not limited to connection permits and baseline discharge requirements. Failure to comply with the requirements of this permit may be grounds for enforcement action, including civil or criminal penalties, injunctive relief and summary abatements as set forth in the District's Enforcement Response Plan ("ERP").

B. Duty to Mitigate

The User shall take all reasonable steps to minimize or correct any adverse impact to the wastewater treatment system or the environment resulting from noncompliance with this Permit including such accelerated or additional monitoring and sampling or other orders as necessary to determine the nature and impact of and to correct the non-complying discharge.

C. Permit Modification

The District may modify the Permit for good cause, including but not limited to, the following reasons:

1. To incorporate any new or revised Federal, State, or local pretreatment standards or requirements;

2. To address significant alterations or additions to the User's operation, processes, or wastewater volume or character since the time of the individual wastewater discharge Permit issued;

3. A change in any process or discharge condition in either the industrial user or the POTW that requires either a temporary or permanent reduction or elimination of the authorized discharge;

4. Information indicating that the permitted discharge poses a threat to the Control Authority's collection and treatment systems, WWTF and equipment, personnel or the receiving waters;

5. Violation of any terms or conditions of the Permit;

6. Misrepresentation or failure to disclose fully all relevant facts in the Permit application or in any required reporting;

7. Revision of or a grant of variance from such categorical standards pursuant to 40 CFR 403.13;

8. To correct typographical or other errors in the Permit;

9. To reflect of the facility ownership and/or operation to a new owner/operator; or

10. Upon request of the User, provided such request does not create a violation of any applicable requirements, standards, laws, or rules and regulations.

11. The filing of a request by the User for a Permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay or modify any Permit condition.

D. <u>Retention of Records</u>

In addition to the record keeping requirements of the Malaga Code, Pretreatment program and the Act, the User shall retain records as follows:

1. The industrial user shall retain records of all monitoring information, copies of all reports required by this permit and records of all data used to complete the application for this permit, for a period of at least three years from the date of the sample, measurement, report or application. This period may be extended by the request of the District at any time.

2. All records that pertain to matters that are the subject of special orders or any other enforcement or litigation activities brought by the District shall be retained and preserved by the industrial user for three years after all enforcement activities have concluded and the time to bring any appeal(s) have expired.

E. <u>Permit Termination</u>

This Permit may be terminated for the following reasons:

1. Failure to notify the District of significant changes to the wastewater prior to the change discharge;

2. Failure to provide prior notification to the District of changed conditions;

3. Misrepresentation or failure to fully disclose all relevant facts in wastewater discharge Permit application;

4. Falsifying self-monitoring reports and/or certification statements;

5. Tampering with monitoring equipment;

6. Refusing to allow timely access to the facility premises and records;

7. Failure to meet effluent limitations;

8. Failure to pay fines;

9. Failure to pay sewer charges;

10. Failure to meet compliance schedules;

11. Failure to complete a wastewater survey and renewal form, or the wastewater discharge Permit application;

12. Failure to provide advance notice of the transfer of business ownership of a permitted facility; or

13. Violation of any pretreatment standard or requirement including required BMPs contained in the Code, or the wastewater discharge Permit, or the Pretreatment Program.

F. Notification and Reporting

1. In addition to the record keeping and reporting requirements of the Malaga Code, the Pretreatment Program, and the Act, the User shall notify the District prior to any new or changed discharge, and shall immediately notify the District at (559) 485-7353 of any wastewater discharge which is not in compliance with this Permit, or the Pretreatment Program, or the Code, or which might be reasonably judged to constitute a hazard to District personnel, the wastewater treatment system, or the environment.

2. The User shall furnish any information relating to wastewater discharge quantity and quality as required by the District, and shall comply with all reporting requirements specified in this Permit.

G. Costs and Fees

1. The User shall pay all fees required by District ordinances, including but not limited to, permit fees, connection fees, annexation fees, bond debt services charges, and sewer unit fees.

2. The User shall also pay any additional cost or expenses incurred by the District for handling and treating excess loads imposed on the treatment system and any cost or expense incurred by the District in the enforcement of the provisions of its ordinances and the correction of violations thereof.

H. Facilities

1. The User shall make wastewater acceptable under the limitations of the Code and the Pretreatment Program before discharging to the sewage system. Any facilities required to pretreat wastewater to a level acceptable to the District shall be provided and maintained at the User's expense. Detailed plans showing the pretreatment facilities and operating facilities shall be submitted to the District for review, and shall be acceptable to and approved by the District, in writing, before construction of the facility. The review of such plans and operating procedures will in no way relieve the User from the responsibility of modifying the facility as necessary to produce an effluent acceptable to the District under the provisions of the Malaga Code. Any subsequent changes in the pretreatment facilities or method of operation shall be reported to, and be approved in writing by, the District.

2. Pretreatment facilities (including sampling and flow monitoring facilities) shall be maintained in good working order and shall be operated so as to ensure continuous compliance with District ordinances, resolutions, rules and regulations, and any applicable permits by the User at the User's own cost and expense. Pretreatment facilities are at all times subject to the requirements of these rules and regulations and all other applicable codes, ordinances, and laws. Intermittent operation of pretreatment facilities except as provided for in writing by the District during discharge to the sewage system is prohibited.

3. All solids, sludge, filter backwash or other pollutants removed by pretreatment facilities shall not be discharged to the sewage system, nor allowed to enter any storm water or ground water recharge system, nor allowed to seep into the ground, but shall be stored, treated and/or disposed of in accordance with applicable County, State and Federal regulations.

I. Right of Entry

Pursuant to the provisions of the Malaga Code, the User shall allow District personnel, upon the presentation of credentials, to enter upon any property or premises, the User, by accepting any permit issued pursuant to the Code, does hereby consent and agree to the entry upon the premises, described in the Permit, by District personnel for the following purposes as required by the Permit at all reasonable times:

1. Reviewing and copying any records required to be kept under the provisions of the Malaga Code;

2. Inspecting any monitoring equipment, pretreatment facility or discharge-producing process;

3. Inspecting and/or sampling any discharge of wastewater to the wastewater facilities. District personnel may enter upon the property at any hour under emergency circumstances. In the event of such emergency entry, District personnel shall make every effort to immediately notify the User's designated agent;

4. To investigate the possible violation of the Malaga Code or Permit;

5. To photograph any waste, waste container, vehicle, waste treatment process, discharge location, or violation discovered during an inspection.

6. Users shall cooperate at all times with authorized District personnel in the inspection, sampling and study of the User's facilities and wastewater.

J. Duration

The terms and conditions of this Permit shall remain in effect until either:

1. The Permit is modified;

2. The Permit is revoked;

3. The Permit expires and cause is determined for non-renewal of the Permit;

4. Failure of the District to act upon a valid Permit application or renewal application shall allow for automatic extension of operations under existing Permit conditions until such District action is complete.

5. Failure of the District to act upon a valid Permit application or renewal application shall allow for automatic extension of operations under existing Permit conditions until such District action is complete.

6. This Permit allows the User to operate only one industrial wastewater discharge point to the sewer collection system.

K. Severability

The provisions of this Permit are severable, and if any provisions of this Permit or the application of any provision of this Permit to any circumstances is held invalid, the application of such provision to other circumstances and the remainder of the Permit shall not be affected hereby.

L. Transferability

This Permit shall not be reassigned, transferred, or sold to a new owner, new user, different premises, or to a new or changed operation.

M. Enforcement and Penalties

Failure to comply with any of the provisions of this Permit, the Malaga Code, or applicable State or Federal laws or regulations may result in any or all of the following actions:

1. Administrative actions including but not limited to Notices of Violation, Administrative Orders, Administrative Citations, Administrative Complaints, Administrative Hearings, Governing Board Hearings, Compliance Orders, Orders to Show Cause and civil penalties in an amount of not less than one thousand dollars ($1,000) per day, per violation;

2. Legal actions including but not limited to preliminary or permanent injunctions, or both;

3. Civil and/or criminal penalties;

4. Permit revocation;

5. Temporary or permanent disconnection from the District's sewerage system;

6. Water supply severance.

N. Appeals

Any User affected by any decision, action, or determination, including Administrative Orders, issued by the District, interpreting or implementing he provisions of The Malaga Code or any permit or Order issued thereunder, may file with the District a written request for reconsideration within ten (10) days of such decision, action, or determination, setting forth in detail in facts supporting the User's request for reconsideration.

If the ruling made by the Manager is unsatisfactory to the person requesting reconsideration, this person may, within ten (10) days after notification of District action, file a written appeal to the District's Board of Directors. The written appeal shall be heard by the body within sixty (60) days from the date of filing. The District's Board of Directors shall make a final ruling on the appeal within ten (10) days of the close of the meeting. The Manager's decision, action, or determination shall remain in effect during such period of reconsideration.

Any User aggrieved by a final order issued by the Board of Directors may obtain review of the order of the Board in the Superior Court by filing in the court a petition for writ of

mandate within thirty (30) days following the service of a copy of a decision and order issued by the Board.

If no aggrieved party petitions for writ of mandate within the time provided by this section, an order of the Board shall not be subject to review by any court or agency, except that the Board may grant review on its own motion after the expiration of the time limits.

O. Definitions

The following definitions below are intended to serve only as references to the definitions contained within the Malaga Code and do not overwrite any of those aforementioned definitions.

1. Composite Sample. A representative sample, formed either by continuous sampling or by mixing discrete samples. The sample may be composited either as a:

    i. Time based composite sample: composed of discrete sample aliquots collected in one container at constant time intervals providing representative samples irrespective of stream flow; or a

    ii. flow-proportional composite sample: collected either as a constant sample volume at time intervals proportional to stream flow, or collected by increasing the volume of each aliquot as the flow increases while maintaining a constant time interval between the aliquots.

2. Daily Maximum. The maximum allowable discharge limit of a pollutant expressed in units of mass per day. Where daily maximum limits are expressed in terms of a concentration, the daily discharge is the arithmetic average measurement of the pollutant concentration derived from all measurements taken that day.

3. Grab Sample. An individual sample collected without regard for flow or time.

4. Instantaneous Maximum Concentration. The maximum concentration allowed in any single grab sample.

5. Cooling Water. Either,

    i. Uncontaminated – Water used for cooling purposes only which has no direct contact with any raw material, intermediate, or final product and which does not contain a level of contaminants detectably higher than that of the intake water.

ii. Contaminated – Water used for cooling purposes only which may become contaminated either through the use of water treatment chemicals used for corrosion inhibitors or biocides, or by direct contact with process materials and/or wastewater.

6. Monthly Average. The arithmetic mean of the values for effluent samples collected during a calendar month or specified 30 day period (as opposed to a rolling 30 day window). Compliance with the monthly average discharge limit is required regardless of the number of samples collected and analyzed.

7. Bi-Weekly. Once every other week.

8. Bi-Monthly. Once every other month.

9. Upset. An exceptional incident resulting in temporary and unintentional non-compliance because of factors beyond the reasonable control of the discharger.

10. Bypass. Means the diversion of wastes from any portion of a pretreatment process or facility.

11. Slug Discharge. Any discharge of a non-routine, episodic nature, including but not limited to an accidental spill or a non-customary batch discharge, which has a reasonable potential to cause interference or pass through, or in any other way violate the POTW's regulations, local limits or permit conditions.

12. Batch Discharge. A single, episodic discharge of accumulated waste, as opposed to a continuous, uninterrupted flow of waste material.

P. Dilution

The User shall not increase the use of potable water or process water or, in any way, attempt to dilute a discharge as a partial or complete substitute for adequate treatment to achieve compliance with a discharge limitation unless expressly authorized by an applicable Pretreatment Standard or Requirement. The District may impose mass limitations to meet applicable Pretreatment Standards or requirements, or in other cases when the imposition of mass limitations is appropriate.

Part 2: Discharge prohibitions and Limitations

A. Standard Discharge Prohibitions

The User shall comply with all discharge prohibitions and limitations specified in the Malaga Code, the Pretreatment Program, and this Permit. Prohibitions include but are not limited to:

1. Any materials that may cause interference or pass through;

2. Oils and Grease in any amounts that may cause an obstruction in the sewer collection system;

3. Explosive mixtures;

4. Noxious materials;

5. Shredded garbage;

6. Solid or viscous waste that cause an obstruction or decrease flow in the sewer collection system to less than two feet per second;

7. Slug loads not coordinated with the District by a Slug Control Plan;

8. Toxic or hazardous materials;

9. Unpolluted waters;

10. Wastes with objectionable color or odor;

11. Corrosive waste;

12. Trucked or hauled waste;

13. Sludges, screenings, or other residues from wastewater pretreatment;

14. Medical wastes;

15. Detergents, surface active agents, or other substances that may cause excessive foaming at the WWTF;

16. Any substance that will interfere or upset the treatment process at the WWTF;

17. Any substance that may result in the WWTF exceeding NPDES permit limits.

18. Any bypass as defined in Part 1(O)(10) of this permit.

B. Discharge Local Limits

1.

Parameter	Discharge Local Limit	Specific Conditions
pH	6.0 - 9.0	pH is an instantaneous reading and cannot be averaged
Electrical Conductivity (EC)	950 µmhos/cm	Monthly average
Biochemical Oxygen Demand (BOD)	1,000 mg/L	Monthly average
Suspended Solids	1,000 mg/L	Monthly average
Chemical Oxygen Demand (COD)	1,000 mg/L	Monthly average
Oil and Greases	100 mg/L	Monthly average

2. Animal and vegetable (polar) O&G not greater than 300 mg/l;

3. Discharge of the following Pollutants of Concern (POC's) above Local Limits:

Pollutant	Local Limit
Iron	1.0 mg/l as a monthly average
Lead	5.0 mg/l as a monthly average
Silver	5.0 mg/l as a monthly average
Arsenic	5.0 mg/l as a monthly average
Benzene	5.0 mg/l as a monthly average
Phenols	1.0 mg/l as a monthly average
Cadmium	0.10 mg/l as a monthly average
Zinc	5.0 mg/l as a monthly average
Chromium	5.0 mg/l as a monthly average
Copper	5.0 mg/l as a monthly average
Aluminum	5.0 mg/l as a monthly average
Mercury	0.20 mg/l as a monthly average
Barium	10.0 mg/l as a monthly average
Nickel	5.0 mg/l as a monthly average
Selenium	1.0 mg/l as a monthly average
Boron	8.0 mg/l as a monthly average
Chloride	
Cyanide	
Ammonia, as N	
Nitrite + Nitrate, as N	
Phosphorus	
Fluoride	
Diazinon	
Calcium	
Magnesium	

4. Discharge of wastewater that:

i. Contains solids that will not pass through a 20 per square inch mesh;

ii. Has a temperature greater than 104 degrees Fahrenheit;

iii. Has an alkalinity that is greater or less than 10% of source water;

Part 3: Monitoring and Reporting Requirements

A. General Monitoring Requirements

1. The Manager may require any User to monitor wastewater discharge and submit monitoring reports to the District, at a frequency specified by the District.

2. The User shall comply with all monitoring requirements specified in this Permit or otherwise required, in writing, by the District.

3. Flow monitoring and sampling equipment may be required and shall comply with all applicable provisions of this Permit and the Malaga Code.

4. If required, laboratory analysis of industrial wastewater samples shall be performed in accordance with the approved test procedures specified in 40CFR136 unless otherwise authorized, in writing, by the District.

5. If required, all samples must be collected, preserved, and analyzed in accordance with the procedures established in 40 CFR Part 136, and amendments.

6. If required, the User shall have an automated sampler that shall be maintained in accordance with manufacturer's recommendations, shall be cleaned once per month when in use, and samples shall be maintained at 4.0°C (±2.0°C).

7. If required, the User shall operate and maintain an effluent flowmeter, have it electronically calibrated annually and hydraulically calibrated every three years by a recognized professional in flowmeter testing and repair, and provide proof of calibration to the District prior to July 31 annually.

8. If required, continuous on-line monitoring equipment shall be maintained and calibrated in accordance with manufacturer's specifications.

9. If required, to install, operate and maintain at User's cost and expense an automatic, permanent wastewater flow monitoring system approved by the District which provides a primary flow measuring device, indication, recording and totalizing of flow and a signal generating device that can be used to activate the District's and other automatic samplers.

10. If required, to install, operate and maintain at User's cost and expense an automatic wastewater sampling system approved by the District which provides a flow proportional composite sample, a sample volume of not less than two liters, refrigerated storage and self-purging capability.

11. If required, to install, operate and maintain at User's cost and expense an automatic pH recording system approved by the District which provides a pH recording instrument and a pH probe located downstream of all Pretreatment operations and just before discharge to the sewage system.

12. If required, to install, operate and maintain at User's cost and expense a batch pH neutralization system approved by the District which provides a storage facility for wastewater of pH less than 6.0 or greater than 9.0, a pH measuring device, neutralizing agent and a permanently bound record of pH neutralization before discharge to the sewage system.

13. If required, to install, operate and maintain at User's cost and expense an automatic pH recording and control system approved by the District which provides a pH recording instrument, a pH probe located downstream of all Pretreatment operations and just before discharge into the sewage system, storage for a neutralizing agent, a neutralization chamber, a continuous neutralizing agent injection system activated by pH level and adequate agitation.

B. Sampling Point Location

1. The Sampling Point Location shall be designated at the following location:

Sampling Point Location Name	Location Description
001	The pipe with a valve that is connected to the oil & grease pit. See attachments.

2. **Both the User and the District personnel are required to sample from the same sampling point location (001).**

C. Specific Monitoring and Sampling Requirements

1.

Parameter	Unit	Sample Type	Monitoring Frequency	Reporting Frequency	Chain of Custody Required
Flow	Gallons	Metered	Daily	1/month	No
EC	µmhos/cm	Metered (24hr average)	Daily	1/month	No
pH	Standard Units	Grab	Weekly	1/month	No
TSS	mg/L	Grab	Weekly	1/month	No
BOD	mg/L	Grab	Weekly	1/month	No
Oil and Greases	mg/L	Grab	2 times/week	1/month	No
Pollutants of Concern (POC)	mg/L	Grab	1/year	1/year	Yes

2. For reports requiring a Chain of Custody, analysis must be performed by a laboratory that is certified for water and wastewater analysis by the State of California, Department of Health Services Environmental Laboratory Accreditation Program (ELAP). The Chain of Custody form shall be attached to the report.

3. Reports are to be submitted no later than 25 calendar days following the monitoring month.

4. Annually shall mean anytime throughout the course of a calendar year and due no later than the end of December.

D. The User is required to submit an annual monitoring report of the following Pollutants of Concern (POC's) listed below:

1. Ammonia, as N
2. Nitrite + Nitrate, as N
3. Oil and Grease (HEM-polar)
4. Oil And Grease (Petroleum-non polar)
5. Alkalinity
6. Hardness
7. Calcium
8. Magnesium
9. Boron
10. Chloride
11. Cyanide
12. Phosphorus
13. Fluoride
14. Diazinon
15. Iron

16. Lead
17. Silver
18. Arsenic
19. Benzene
20. Phenols
21. Cadmium
22. Zinc
23. Chromium
24. Copper
25. Aluminum
26. Mercury
27. Barium
28. Nickel
29. Selenium

E. Priority Pollutants

The User must submit a toxic organics management plan (TOMP) to the District for approval. Preparation of the TOMP must be done in accordance with EPA regulations and approved by the District. If approved, the User may submit the certification statement as set forth in Part 3.5.a of this Permit. The TOMP shall be submitted to the District no later than March 1, 2016.

F. Reporting Requirements

1. The District may require any User to submit monitoring reports in a format and at a frequency specified by the General Manager. The User shall comply with all reporting requirements specified in this Permit or otherwise required, in writing, by the District and all monitoring and reporting requirements of the Malaga Code.

2. All Users subject to Federal categorical pretreatment standards shall comply with all applicable reporting requirements specified in 40CFR403.12.

3. The User shall immediately notify the District prior to any new or changed discharge, and shall immediately notify the District (phone 559-485-7353) of any wastewater discharge which is not in compliance with the Permit or the Malaga Code, or which might be reasonably judges to constitute a hazard to District personnel, the wastewater treatment system, or the environment.

4. User shall immediately notify the District of any changes that occur at the facility affecting the potential for a Slug Discharge so that the POTW may reevaluate the need for a Slug Control Plan or other actions to prevent such Discharges.

5. The User shall provide a site plan showing the location of all wastewater treatment facilities (grease traps, sand separators, etc.)

6. User shall monitor grease traps weekly and record scum and solids levels.

7. Users shall maintain a District approved hazardous waste inventory accounting system which includes a bound log book containing permanent entries that account, either by mass or by volume, for the disposition of substances prohibited by the Malaga Code or this Permit.

8. Users shall keep waste hauler reports on file for a period of three years.

9. User shall maintain a manifest from all trucks washed at a truck wash facility. A copy of the manifest shall be submitted to the District on demand to confirm the contents of trucks washed out.

10. Users shall maintain a log of all wastewater and solids removed from the premise, to include the destination of the hauled materials. Submit copies of the log on a quarterly basis to MCWD for the first year and annually thereafter.

11. Monitoring results obtained must be summarized and reported in a format acceptable to the District.

12. Reports for parameters with a continuous monitoring frequency must be submitted monthly. The reports are due within 15 days after the end of each calendar month.

13. Reports for parameters with a designated monitoring frequency must be submitted within 15 days after the reporting period.

14. All monitoring reports must indicate the nature and concentration of all pollutants in the effluent for which sampling and analysis were performed during the reporting period preceding the submission of each report, including measured maximum and average daily flows.

15. All reports required by this Permit must be submitted to the Malaga County Water District at the following address:

    Malaga County Water District
    Environmental Compliance Inspector
    3580 S. Frank Street
    Fresno, CA 93725

G. <u>Recordkeeping</u>.

Users subject to the reporting requirements of this Code shall retain, and make available for inspection and copying, all records of information obtained pursuant to any monitoring activities required by this Code, any additional records of information obtained pursuant to monitoring activities undertaken by the User independent of such requirements, and documentation associated with Best Management Practices established under this Code. Records shall include the date, exact place, method, and time of sampling, and the name of the person(s) taking the samples; the dates analyses were performed; who performed the analyses; the analytical techniques or methods used; and the results of such analyses. These records shall remain available for a period of at least three (3) years. This period shall be automatically extended for the duration of any litigation concerning the User or the District, or where the User has been specifically notified of a longer retention period by the General Manager, or his or her designee.

H. Certification Statements

1. The User is required to sign and submit the following certification statement if granted use of a Toxic Organic Management Plan in lieu of reporting Priority Pollutants:

"Based on my inquiry of the permit or persons directly responsible for managing compliance with the pretreatment standard for Priority Pollutants (PP's), I certify that, to the best of my knowledge and belief, no dumping of concentrated priority pollutant toxic organics into the wastewaters has occurred since filing of the last discharge monitoring report. I further certify that this facility is implementing the Toxic Organic Management Plan submitted to the Control Authority."

2. The User is required to sign and submit the following certification statement with all monitoring reports:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are signification penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

3. All reports required by this Permit must be submitted to the Malaga County Water District at the following address:

Malaga County Water District
Environmental Compliance Inspector
3580 S. Frank Street
Fresno, CA 93725

I. Annual Publication

As required by the Act, the District's Pretreatment Program, and the Malaga Code, a list of all industries which were in significant noncompliance of applicable federal pretreatment standards or other pretreatment requirements during the twelve (12) previous months shall be annually published by the District in the largest daily newspaper within its service area. Accordingly, the User is apprised that noncompliance with this permit may lead to an enforcement action and may result in publication of its name in an appropriate newspaper. For purposes of this provision, significant noncompliance is defined under 40 CFR 403.8 (f)(2)(vii).

Part 4: Other Conditions

A. Automatic Re-sampling

If the results of the User's wastewater analysis indicate that a violation of this Permit has occurred, the User must:

1. Inform the Malaga County Water District of the violation within 24 hours;

2. Repeat sampling and pollutant analysis and submit, in writing, the results of this second analysis within 30 days of becoming aware if the first violation;

3. Continue repeat sampling until it is determined that the violation has ceased.

4. Pursuant to the provisions of the Malaga Code, the District shall have the ability to sample and analyze any time the District deems appropriate.

B. Accidental Discharge and Reporting

The user must notify the Malaga County Water District immediately upon the occurrence of spills, including, but not limited to, accidental discharges, discharges of a nonroutine, episodic nature, a noncustomary batch discharge, slug loads or slug discharges, that might potential problems for the POTW, or spills that might enter the public sewer. During normal business hours the Malaga County Water District should be notified by telephone at 559-485-7353. The notification must include location of discharge; date and time of discharge; type of waste, including concentration and volume; and corrective actions taken. The User's notification of accidental release in accordance with this section does not relieve it of other reporting requirements that arise under local, state, or federal laws.

Within 5 days following an accidental discharge, the User shall submit to the District Malaga County Water a detailed written report. The report must specify:

1. Description and cause of the upset, slug load, or accidental discharge; the cause thereof; and the impact on the User's compliance status. The description should also include location of discharge and type, concentration, and volume of waste.

2. Duration of noncompliance, including exact dates and times of noncompliance and, if the noncompliance is continuing, the time by which compliance is reasonably expected to occur.

3. All steps taken or to be taken to reduce, eliminate, and/or prevent recurrence of such an upset, slug load, accidental discharge, or other conditions of noncompliance.

C. Pretreatment Systems

1. The District may require Users to install and operate at their own expense the following pretreatment systems:

   i. A grease interceptor approved by the District which (a) prevents excessive grease and oil from entering the sewage system (b) provides at least 1250 gallons storage capacity, at least two compartments, baffles to retain floatable greases and oils and a sampling port and (c) excludes any Sanitary Wastewater from entering the interceptor.

   ii. A grit interceptor approved by the District which (a) prevents sand and settleable grit from entering the sewage system (b) provides a 30-minute detention time base on peak wastewater rate, a minimum capacity of 500 gallons, at least two compartments, baffles to reduce wastewater velocity sufficiently to settle sand and grit and (c) excludes any sanitary wastewater from entering the interceptor.

2. Use of the following pretreatment systems shall not violate any portion of the Malaga Code nor inhibit wastewater treatment systems:

   iii. To operate and maintain any garbage grinders in a manner which prevents discharge of wastewater in violation of the Malaga Code.

   iv. To operate and maintain any water softening units in strict accordance with manufacturer's instructions and in a manner to minimize salts discharge into sewage system.

D. Removed Substances

1. Solids, sludges, filter backwash or other pollutants removed from wastewater in the course of pretreatment or the control of wastewater must be disposed of in accordance with section 405 of the Clean Water Act and Subtitles C and D of the Resource Conservation and recovery Act.

2. Removed Substances shall not be allowed to enter the sewer collection system, nor any storm drain, nor any outfall or drain which leads to a storm water collection system or a water catchment system intended for ground water recharge purposes.

3. Removed substances shall not be retained on the property of the User and shall be properly disposed of as indicated above.

E. Slug Discharge Control Requirements

The User is required to submit and implement a slug discharge control plan if directed by the District. Determination of the requirement for a slug discharge plan shall be made during an initial facility inspection by the District. If it is determined that due to batch discharge or plug flow the WWTF could be hydraulically or biologically overloaded, a slug discharge plan shall be developed and implemented. The slug discharge control plan must include, at a minimum, the following:

1. Description of discharge practices, including non-routine batch discharges.

2. Description of stored chemicals.

3. Procedures for immediately notifying the Malaga County Water District of slug discharges, including any discharge that would violate prohibition under 40CFR 403.5(b), with procedures for follow-up written notification within five days.

4. Procedure to limit any impact on maximum allowable head works loading of the WWTF.

5. Procedures to prevent adverse impact from accidental spills, including inspection and maintenance of storage areas, handling and transfer of materials, loading and unloading operations, control of plant site runoff, worker training, building of containment structures or equipment, measures for containing toxic organic pollutants, and measures and equipment for emergency response.

F. Compliance Schedule

Pursuant to the Enforcement Response Plan, the following levels of escalating enforcement and administrative citations have been established:

1. Warning Notice, and any associated Notices of Non-Compliance;

2. Notice of Violation, and any associated Notices of Non-Compliance;

3. Consent Order, and any associated Notices of Non-Compliance;

4. Compliance Order, and any associated Notices of Non-Compliance; and

5. Show Cause Order, and any associated Notices of Non-Compliance.

i. In the event of any notice or order for compliance, a schedule for compliance shall be included. The User is responsible to meet the schedule for compliance, and shall be penalized according to the provisions of the Enforcement response Plan for failing to do so.

ii. No later than 14 days following the date of the notice or order, the user must submit to the Malaga County Water District a written report including, at a minimum, whether it complied with the increment of progress to be met on such date and, if not, the date on which it expects to comply with the increment of progress, the reasons for delay, and the steps being taken to return the project to the schedule established.

G. Potential Non-Compliance

The User must immediately inform the District in the event of the potential for non-compliance for any known reason. Failure to report the potential for non-compliance may result in a harsher penalty for a non-compliance event that was known to pre-exist.

Part 5: Failure to Meet Discharge Limits

Users that absolutely cannot meet, due to their nature of discharge, local limits or discharge limits contained within the Act, after having installed best available pretreatment systems, are required to have their wastewater hauled off to another disposal site.

Attachment 1

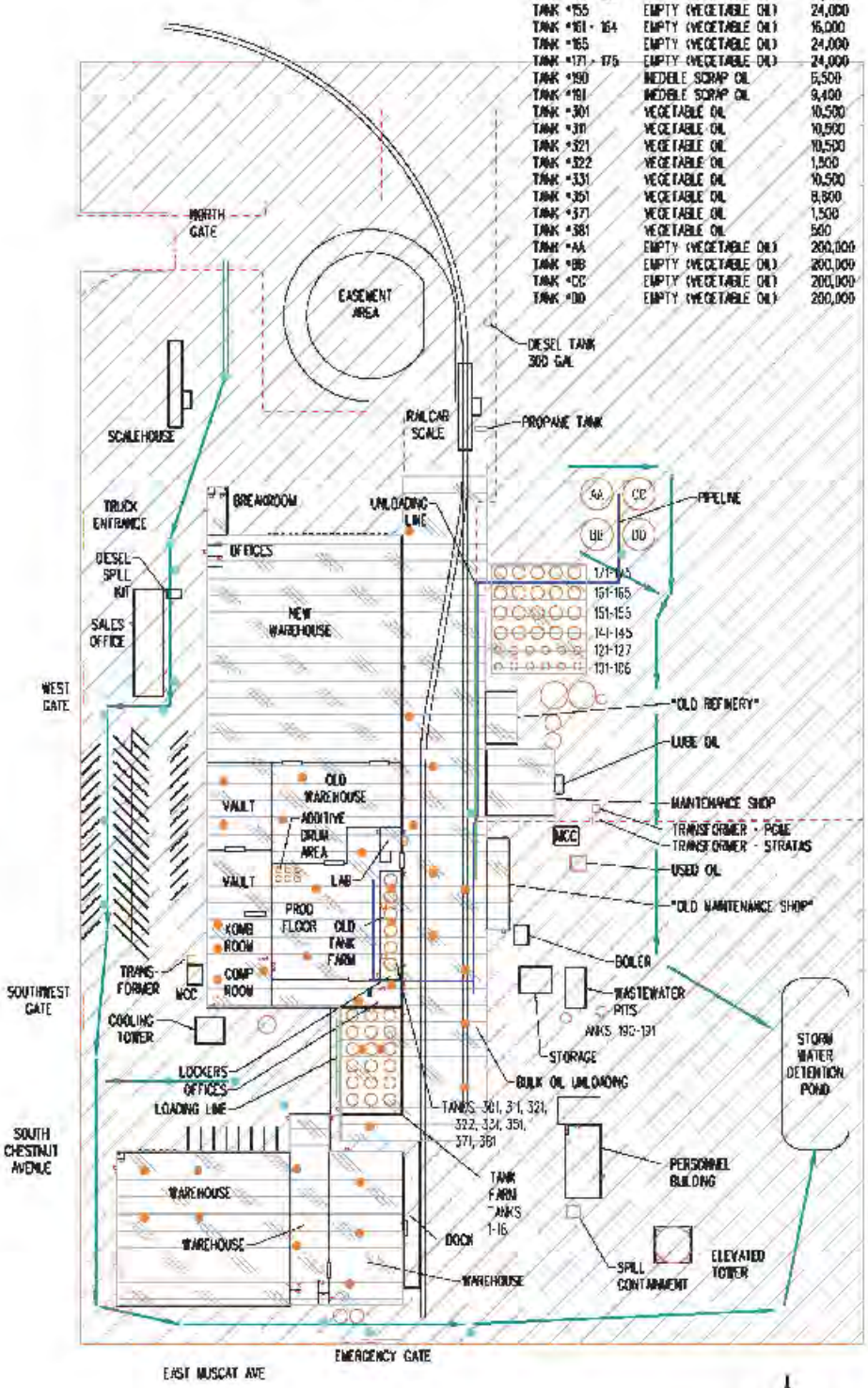
Site Map

LEGEND

- FLOW LINE TO STORM WATER DETENTION
- DRAIN TO STORM WATER DETENTION
- DRAIN TO WASTEWATER PIT

TANK CAPACITIES

TANK #1 - 18	VEGETABLE OIL	30,000
TANK #101 - 106	EMPTY (VEGETABLE OIL)	6,667
TANK #121 - 127	EMPTY (VEGETABLE OIL)	10,667
TANK #141 - 144	EMPTY (VEGETABLE OIL)	16,000
TANK #145	EMPTY (VEGETABLE OIL)	24,000
TANK #151 - 154	EMPTY (VEGETABLE OIL)	16,000
TANK #155	EMPTY (VEGETABLE OIL)	24,000
TANK #161 - 164	EMPTY (VEGETABLE OIL)	16,000
TANK #165	EMPTY (VEGETABLE OIL)	24,000
TANK #171 - 175	EMPTY (VEGETABLE OIL)	24,000
TANK #190	INEDIBLE SCRAP OIL	6,500
TANK #191	INEDIBLE SCRAP OIL	9,400
TANK #301	VEGETABLE OIL	10,500
TANK #311	VEGETABLE OIL	10,500
TANK #321	VEGETABLE OIL	10,500
TANK #322	VEGETABLE OIL	1,500
TANK #331	VEGETABLE OIL	10,500
TANK #351	VEGETABLE OIL	8,800
TANK #371	VEGETABLE OIL	1,500
TANK #381	VEGETABLE OIL	500
TANK #AA	EMPTY (VEGETABLE OIL)	200,000
TANK #BB	EMPTY (VEGETABLE OIL)	200,000
TANK #CC	EMPTY (VEGETABLE OIL)	200,000
TANK #DD	EMPTY (VEGETABLE OIL)	200,000



RUNOFF

TO THE WASTE WATER PIT IS 280,000 SQ FT

TO THE STORM WATER DETENTION POND IS 671,000 SQ FT

AS BUILT

Site Plan

Stratas FOODS, LLC

FRESNO, CA

DATE 1-22-2012

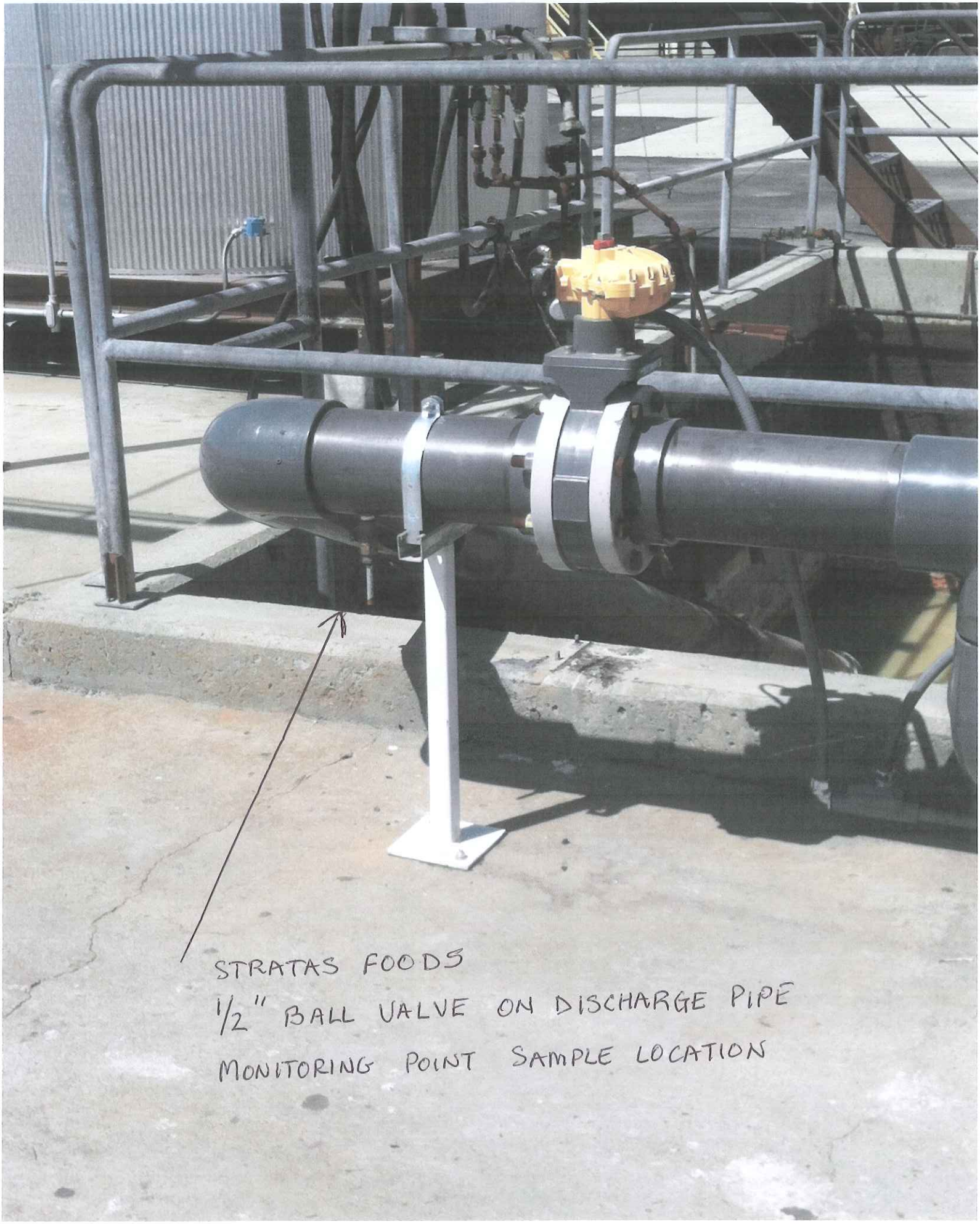
DRAWN BY Bob Jr

CHECKED BY Bob Jr

DATE 1-30-12

Attachment 2
Sampling Point Location 001

Description: The pipe with a valve that is connected to the oil & grease pit.


STRATAS FOODS
1/2" BALL VALVE ON DISCHARGE PIPE
MONITORING POINT SAMPLE LOCATION

MALAGA COUNTY WATER DISTRICT

3580 SOUTH FRANK STREET
FRESNO, CALIFORNIA 93725
PHONE (559) 485-7353
FAX (559) 485-7319

NON-RESIDENTIAL

WASTEWATER DISCHARGE PERMIT

Permit No: 1001 **MCWD Account No:** 020

Industrial User:	WestRock, CP LLC	**Class:** 1	
Mailing Address:	3366 Muscat Avenue	Significant Industrial User	
	Fresno, CA 93725	Non-Categorical	
Facility Address:	3366 Muscat Avenue	Slug Discharge Plan not required	
	Fresno, CA 93725		
Authorized Rep:	George Jendrzejewski	**Phone No:**	559-554-5611
Title:	General Manager		
Contact:	Travis Johnson	**Phone No:**	559-519-7268
APN:	331-071-31S		
SIC No:	2653		
Fee:	$ 1262.78		
No. of Employees:	140		
Effective Date:	01/01/2016		
Expires:	12/31/2016	**Sewer Unit Allocation:**	203

Authorized District Signature: _____ Issue Date: 12/15/2015
District Manager

This permit authorizes the Permitee to discharge non-residential wastewater in accordance with the terms and conditions specified herein, provided that all other District requirements are met. Other District requirements include, but are not necessarily limited to, paying sewer connection fees and annexation fees and obtaining a sewer connection permit.

Industrial User Wastewater Discharge Permit

Part 1: Standard Conditions

A. Duty to Comply

The permitted Industrial User ("User") shall comply with all of the conditions of this Industrial Wastewater Discharge Permit ("Permit") and all of the provisions, terms, and requirements of the Malaga Code ("Code"), the Pretreatment Program, the Clean Water Act ("Act") and all orders, ordinances, rules, resolutions, and regulations of the District, including but not limited to connection permits and baseline discharge requirements. Failure to comply with the requirements of this permit may be grounds for enforcement action, including civil or criminal penalties, injunctive relief and summary abatements as set forth in the District's Enforcement Response Plan ("ERP").

B. Duty to Mitigate

The User shall take all reasonable steps to minimize or correct any adverse impact to the wastewater treatment system or the environment resulting from noncompliance with this Permit including such accelerated or additional monitoring and sampling or other orders as necessary to determine the nature and impact of and to correct the non-complying discharge.

C. Permit Modification

The District may modify the Permit for good cause, including but not limited to, the following reasons:

1. To incorporate any new or revised Federal, State, or local pretreatment standards or requirements;

2. To address significant alterations or additions to the User's operation, processes, or wastewater volume or character since the time of the individual wastewater discharge Permit issued;

3. A change in any process or discharge condition in either the industrial user or the POTW that requires either a temporary or permanent reduction or elimination of the authorized discharge;

4. Information indicating that the permitted discharge poses a threat to the Control Authority's collection and treatment systems, WWTF and equipment, personnel or the receiving waters;

5. Violation of any terms or conditions of the Permit;

6. Misrepresentation or failure to disclose fully all relevant facts in the Permit application or in any required reporting;

7. Revision of or a grant of variance from such categorical standards pursuant to 40 CFR 403.13;

8. To correct typographical or other errors in the Permit;

9. To reflect of the facility ownership and/or operation to a new owner/operator; or

10. Upon request of the User, provided such request does not create a violation of any applicable requirements, standards, laws, or rules and regulations.

11. The filing of a request by the User for a Permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay or modify any Permit condition.

D. <u>Retention of Records</u>

In addition to the record keeping requirements of the Malaga Code, Pretreatment program and the Act, the User shall retain records as follows:

1. The industrial user shall retain records of all monitoring information, copies of all reports required by this permit and records of all data used to complete the application for this permit, for a period of at least three years from the date of the sample, measurement, report or application. This period may be extended by the request of the District at any time.

2. All records that pertain to matters that are the subject of special orders or any other enforcement or litigation activities brought by the District shall be retained and preserved by the industrial user for three years after all enforcement activities have concluded and the time to bring any appeal(s) have expired.

E. <u>Permit Termination</u>

This Permit may be terminated for the following reasons:

1. Failure to notify the District of significant changes to the wastewater prior to the change discharge;

2. Failure to provide prior notification to the District of changed conditions;

3. Misrepresentation or failure to fully disclose all relevant facts in wastewater discharge Permit application;

4. Falsifying self-monitoring reports and/or certification statements;

5. Tampering with monitoring equipment;

6. Refusing to allow timely access to the facility premises and records;

7. Failure to meet effluent limitations;

8. Failure to pay fines;

9. Failure to pay sewer charges;

10. Failure to meet compliance schedules;

11. Failure to complete a wastewater survey and renewal form, or the wastewater discharge Permit application;

12. Failure to provide advance notice of the transfer of business ownership of a permitted facility; or

13. Violation of any pretreatment standard or requirement including required BMPs contained in the Code, or the wastewater discharge Permit, or the Pretreatment Program.

F. Notification and Reporting

1. In addition to the record keeping and reporting requirements of the Malaga Code, the Pretreatment Program, and the Act, the User shall notify the District prior to any new or changed discharge, and shall immediately notify the District at (559) 485-7353 of any wastewater discharge which is not in compliance with this Permit, or the Pretreatment Program, or the Code, or which might be reasonably judged to constitute a hazard to District personnel, the wastewater treatment system, or the environment.

2. The User shall furnish any information relating to wastewater discharge quantity and quality as required by the District, and shall comply with all reporting requirements specified in this Permit.

G. Costs and Fees

1. The User shall pay all fees required by District ordinances, including but not limited to, permit fees, connection fees, annexation fees, bond debt services charges, and sewer unit fees.

2. The User shall also pay any additional cost or expenses incurred by the District for handling and treating excess loads imposed on the treatment system and any cost or expense incurred by the District in the enforcement of the provisions of its ordinances and the correction of violations thereof.

H. Facilities

1. The User shall make wastewater acceptable under the limitations of the Code and the Pretreatment Program before discharging to the sewage system. Any facilities required to pretreat wastewater to a level acceptable to the District shall be provided and maintained at the User's expense. Detailed plans showing the pretreatment facilities and operating facilities shall be submitted to the District for review, and shall be acceptable to and approved by the District, in writing, before construction of the facility. The review of such plans and operating procedures will in no way relieve the User from the responsibility of modifying the facility as necessary to produce an effluent acceptable to the District under the provisions of the Malaga Code. Any subsequent changes in the pretreatment facilities or method of operation shall be reported to, and be approved in writing by, the District.

2. Pretreatment facilities (including sampling and flow monitoring facilities) shall be maintained in good working order and shall be operated so as to ensure continuous compliance with District ordinances, resolutions, rules and regulations, and any applicable permits by the User at the User's own cost and expense. Pretreatment facilities are at all times subject to the requirements of these rules and regulations and all other applicable codes, ordinances, and laws. Intermittent operation of pretreatment facilities except as provided for in writing by the District during discharge to the sewage system is prohibited.

3. All solids, sludge, filter backwash or other pollutants removed by pretreatment facilities shall not be discharged to the sewage system, nor allowed to enter any storm water or ground water recharge system, nor allowed to seep into the ground, but shall be stored, treated and/or disposed of in accordance with applicable County, State and Federal regulations.

I. Right of Entry

Pursuant to the provisions of the Malaga Code, the User shall allow District personnel, upon the presentation of credentials, to enter upon any property or premises, the User, by accepting any permit issued pursuant to the Code, does hereby consent and agree to the entry upon the premises, described in the Permit, by District personnel for the following purposes as required by the Permit at all reasonable times:

1. Reviewing and copying any records required to be kept under the provisions of the Malaga Code;

2. Inspecting any monitoring equipment, pretreatment facility or discharge-producing process;

3. Inspecting and/or sampling any discharge of wastewater to the wastewater facilities. District personnel may enter upon the property at any hour under emergency circumstances. In the event of such emergency entry, District personnel shall make every effort to immediately notify the User's designated agent;

4. To investigate the possible violation of the Malaga Code or Permit;

5. To photograph any waste, waste container, vehicle, waste treatment process, discharge location, or violation discovered during an inspection.

6. Users shall cooperate at all times with authorized District personnel in the inspection, sampling and study of the User's facilities and wastewater.

J. Duration

The terms and conditions of this Permit shall remain in effect until either:

1. The Permit is modified;

2. The Permit is revoked;

3. The Permit expires and cause is determined for non-renewal of the Permit;

4. Failure of the District to act upon a valid Permit application or renewal application shall allow for automatic extension of operations under existing Permit conditions until such District action is complete.

5. Failure of the District to act upon a valid Permit application or renewal application shall allow for automatic extension of operations under existing Permit conditions until such District action is complete.

6. This Permit allows the User to operate only one industrial wastewater discharge point to the sewer collection system.

K. Severability

The provisions of this Permit are severable, and if any provisions of this Permit or the application of any provision of this Permit to any circumstances is held invalid, the application of such provision to other circumstances and the remainder of the Permit shall not be affected hereby.

L. Transferability

This Permit shall not be reassigned, transferred, or sold to a new owner, new user, different premises, or to a new or changed operation.

M. Enforcement and Penalties

Failure to comply with any of the provisions of this Permit, the Malaga Code, or applicable State or Federal laws or regulations may result in any or all of the following actions:

1. Administrative actions including but not limited to Notices of Violation, Administrative Orders, Administrative Citations, Administrative Complaints, Administrative Hearings, Governing Board Hearings, Compliance Orders, Orders to Show Cause and civil penalties in an amount of not less than one thousand dollars ($1,000) per day, per violation;

2. Legal actions including but not limited to preliminary or permanent injunctions, or both;

3. Civil and/or criminal penalties;

4. Permit revocation;

5. Temporary or permanent disconnection from the District's sewerage system;

6. Water supply severance.

N. Appeals

Any User affected by any decision, action, or determination, including Administrative Orders, issued by the District, interpreting or implementing he provisions of The Malaga Code or any permit or Order issued thereunder, may file with the District a written request for reconsideration within ten (10) days of such decision, action, or determination, setting forth in detail in facts supporting the User's request for reconsideration.

If the ruling made by the Manager is unsatisfactory to the person requesting reconsideration, this person may, within ten (10) days after notification of District action, file a written appeal to the District's Board of Directors. The written appeal shall be heard by the body within sixty (60) days from the date of filing. The District's Board of Directors shall make a final ruling on the appeal within ten (10) days of the close of the meeting. The Manager's decision, action, or determination shall remain in effect during such period of reconsideration.

Any User aggrieved by a final order issued by the Board of Directors may obtain review of the order of the Board in the Superior Court by filing in the court a petition for writ of

mandate within thirty (30) days following the service of a copy of a decision and order issued by the Board.

If no aggrieved party petitions for writ of mandate within the time provided by this section, an order of the Board shall not be subject to review by any court or agency, except that the Board may grant review on its own motion after the expiration of the time limits.

O. Definitions

The following definitions below are intended to serve only as references to the definitions contained within the Malaga Code and do not overwrite any of those aforementioned definitions.

1. Composite Sample. A representative sample, formed either by continuous sampling or by mixing discrete samples. The sample may be composited either as a:

    i. Time based composite sample: composed of discrete sample aliquots collected in one container at constant time intervals providing representative samples irrespective of stream flow; or a

    ii. flow-proportional composite sample: collected either as a constant sample volume at time intervals proportional to stream flow, or collected by increasing the volume of each aliquot as the flow increases while maintaining a constant time interval between the aliquots.

2. Daily Maximum. The maximum allowable discharge limit of a pollutant expressed in units of mass per day. Where daily maximum limits are expressed in terms of a concentration, the daily discharge is the arithmetic average measurement of the pollutant concentration derived from all measurements taken that day.

3. Grab Sample. An individual sample collected without regard for flow or time.

4. Instantaneous Maximum Concentration. The maximum concentration allowed in any single grab sample.

5. Cooling Water. Either,

    i. Uncontaminated – Water used for cooling purposes only which has no direct contact with any raw material, intermediate, or final product and which does not contain a level of contaminants detectably higher than that of the intake water.

ii. Contaminated – Water used for cooling purposes only which may become contaminated either through the use of water treatment chemicals used for corrosion inhibitors or biocides, or by direct contact with process materials and/or wastewater.

6. Monthly Average. The arithmetic mean of the values for effluent samples collected during a calendar month or specified 30 day period (as opposed to a rolling 30 day window). Compliance with the monthly average discharge limit is required regardless of the number of samples collected and analyzed.

7. Bi-Weekly. Once every other week.

8. Bi-Monthly. Once every other month.

9. Upset. An exceptional incident resulting in temporary and unintentional non-compliance because of factors beyond the reasonable control of the discharger.

10. Bypass. Means the diversion of wastes from any portion of a pretreatment process or facility.

11. Slug Discharge. Any discharge of a non-routine, episodic nature, including but not limited to an accidental spill or a non-customary batch discharge, which has a reasonable potential to cause interference or pass through, or in any other way violate the POTW's regulations, local limits or permit conditions.

12. Batch Discharge. A single, episodic discharge of accumulated waste, as opposed to a continuous, uninterrupted flow of waste material.

P. Dilution

The User shall not increase the use of potable water or process water or, in any way, attempt to dilute a discharge as a partial or complete substitute for adequate treatment to achieve compliance with a discharge limitation unless expressly authorized by an applicable Pretreatment Standard or Requirement. The District may impose mass limitations to meet applicable Pretreatment Standards or requirements, or in other cases when the imposition of mass limitations is appropriate.

Part 2: Discharge prohibitions and Limitations

A. Standard Discharge Prohibitions

The User shall comply with all discharge prohibitions and limitations specified in the Malaga Code, the Pretreatment Program, and this Permit. Prohibitions include but are not limited to:

1. Any materials that may cause interference or pass through;

2. Oils and Grease in any amounts that may cause an obstruction in the sewer collection system;

3. Explosive mixtures;

4. Noxious materials;

5. Shredded garbage;

6. Solid or viscous waste that cause an obstruction or decrease flow in the sewer collection system to less than two feet per second;

7. Slug loads not coordinated with the District by a Slug Control Plan;

8. Toxic or hazardous materials;

9. Unpolluted waters;

10. Wastes with objectionable color or odor;

11. Corrosive waste;

12. Trucked or hauled waste;

13. Sludges, screenings, or other residues from wastewater pretreatment;

14. Medical wastes;

15. Detergents, surface active agents, or other substances that may cause excessive foaming at the WWTF;

16. Any substance that will interfere or upset the treatment process at the WWTF;

17. Any substance that may result in the WWTF exceeding NPDES permit limits.

18. Any bypass as defined in Part 1(O)(10) of this permit.

B. Discharge Local Limits

1.

Parameter	Discharge Local Limit	Specific Conditions
pH	6.0 - 9.0	pH is an instantaneous reading and cannot be averaged
Electrical Conductivity (EC)	950 µmhos/cm	Monthly average
Biochemical Oxygen Demand (BOD)	1,000 mg/L	Monthly average
Suspended Solids	1,000 mg/L	Monthly average
Chemical Oxygen Demand (COD)	1,000 mg/L	Monthly average
Oil and Greases	100 mg/L	Monthly average

2. Animal and vegetable (polar) O&G not greater than 300 mg/l;

3. Discharge of the following Pollutants of Concern (POC's) above Local Limits:

Pollutant	Local Limit
Iron	1.0 mg/l as a monthly average
Lead	5.0 mg/l as a monthly average
Silver	5.0 mg/l as a monthly average
Arsenic	5.0 mg/l as a monthly average
Benzene	5.0 mg/l as a monthly average
Phenols	1.0 mg/l as a monthly average
Cadmium	0.10 mg/l as a monthly average
Zinc	5.0 mg/l as a monthly average
Chromium	5.0 mg/l as a monthly average
Copper	5.0 mg/l as a monthly average
Aluminum	5.0 mg/l as a monthly average
Mercury	0.20 mg/l as a monthly average
Barium	10.0 mg/l as a monthly average
Nickel	5.0 mg/l as a monthly average
Selenium	1.0 mg/l as a monthly average
Boron	8.0 mg/l as a monthly average
Chloride	
Cyanide	
Ammonia, as N	
Nitrite + Nitrate, as N	
Phosphorus	
Fluoride	
Diazinon	
Calcium	
Magnesium	

4. Discharge of wastewater that:

i. Contains solids that will not pass through a 20 per square inch mesh;

ii. Has a temperature greater than 104 degrees Fahrenheit;

iii. Has an alkalinity that is greater or less than 10% of source water;

Part 3: Monitoring and Reporting Requirements

A. General Monitoring Requirements

1. The Manager may require any User to monitor wastewater discharge and submit monitoring reports to the District, at a frequency specified by the District.

2. The User shall comply with all monitoring requirements specified in this Permit or otherwise required, in writing, by the District.

3. Flow monitoring and sampling equipment may be required and shall comply with all applicable provisions of this Permit and the Malaga Code.

4. If required, laboratory analysis of industrial wastewater samples shall be performed in accordance with the approved test procedures specified in 40CFR136 unless otherwise authorized, in writing, by the District.

5. If required, all samples must be collected, preserved, and analyzed in accordance with the procedures established in 40 CFR Part 136, and amendments.

6. If required, the User shall have an automated sampler that shall be maintained in accordance with manufacturer's recommendations, shall be cleaned once per month when in use, and samples shall be maintained at 4.0°C (±2.0°C).

7. If required, the User shall operate and maintain an effluent flowmeter, have it electronically calibrated annually and hydraulically calibrated every three years by a recognized professional in flowmeter testing and repair, and provide proof of calibration to the District prior to July 31 annually.

8. If required, continuous on-line monitoring equipment shall be maintained and calibrated in accordance with manufacturer's specifications.

9. If required, to install, operate and maintain at User's cost and expense an automatic, permanent wastewater flow monitoring system approved by the District which provides a primary flow measuring device, indication, recording and totalizing of flow and a signal generating device that can be used to activate the District's and other automatic samplers.

10. If required, to install, operate and maintain at User's cost and expense an automatic wastewater sampling system approved by the District which provides a flow proportional composite sample, a sample volume of not less than two liters, refrigerated storage and self-purging capability.

11. If required, to install, operate and maintain at User's cost and expense an automatic pH recording system approved by the District which provides a pH recording instrument and a pH probe located downstream of all Pretreatment operations and just before discharge to the sewage system.

12. If required, to install, operate and maintain at User's cost and expense a batch pH neutralization system approved by the District which provides a storage facility for wastewater of pH less than 6.0 or greater than 9.0, a pH measuring device, neutralizing agent and a permanently bound record of pH neutralization before discharge to the sewage system.

13. If required, to install, operate and maintain at User's cost and expense an automatic pH recording and control system approved by the District which provides a pH recording instrument, a pH probe located downstream of all Pretreatment operations and just before discharge into the sewage system, storage for a neutralizing agent, a neutralization chamber, a continuous neutralizing agent injection system activated by pH level and adequate agitation.

B. Sampling Point Location

1. The Sampling Point Location shall be designated at the following location:

Sampling Point Location Name	Location Description
001	The valve at the discharge monitoring station located east of the property. See attachments.

2. **Both the User and the District personnel are required to sample from the same sampling point location (001).**

C. Specific Monitoring and Sampling Requirements

1.

Parameter	Units	Sample Type	Monitoring Frequency	Reporting Frequency	Chain of Custody Required
Flow	Gallons	Metered	Weekly	4/year (quarterly)	No
Electrical Conductivity	µmhos/cm	Metered (average)	Weekly	4/year (quarterly)	No
pH	Standard Units	Grab	Weekly	4/year (quarterly)	No
TSS	mg/L	Grab	Weekly	4/year (quarterly)	No
BOD	mg/L	Grab	Weekly	4/year (quarterly)	No
Pollutants of Concern (POC)	mg/L	Grab	1/year	1/year (Annually)	Yes

2. For reports requiring a Chain of Custody, analysis must be performed by a laboratory that is certified for water and wastewater analysis by the State of California, Department of Health Services Environmental Laboratory Accreditation Program (ELAP). The Chain of Custody form shall be attached to the report.

3. Reports are to be submitted no later than 25 calendar days following the monitoring month.

4. Quarterly reports shall be submitted after three consecutive months. For example, a report monitoring for the months of January through March shall be due the following month (April 25th).

5. Annually shall mean anytime throughout the course of a calendar year and due no later than the end of December.

D. The User is required to submit an annual monitoring report of the following Pollutants of Concern (POC's) listed below:

1. Ammonia, as N
2. Nitrite + Nitrate, as N
3. Oil and Grease (HEM-polar)
4. Oil And Grease (Petroleum-non polar)
5. Alkalinity
6. Hardness
7. Calcium
8. Magnesium
9. Boron
10. Chloride

11. Cyanide
12. Phosphorus
13. Fluoride
14. Diazinon
15. Iron
16. Lead
17. Silver
18. Arsenic
19. Benzene
20. Phenols
21. Cadmium
22. Zinc
23. Chromium
24. Copper
25. Aluminum
26. Mercury
27. Barium
28. Nickel
29. Selenium

E. Priority Pollutants

The User must submit a toxic organics management plan (TOMP) to the District for approval. Preparation of the TOMP must be done in accordance with EPA regulations and approved by the District. If approved, the User may submit the certification statement as set forth in Part 3.5.a of this Permit. The TOMP shall be submitted to the District no later than March 1, 2016.

F. Reporting Requirements

1. The District may require any User to submit monitoring reports in a format and at a frequency specified by the General Manager. The User shall comply with all reporting requirements specified in this Permit or otherwise required, in writing, by the District and all monitoring and reporting requirements of the Malaga Code.

2. All Users subject to Federal categorical pretreatment standards shall comply with all applicable reporting requirements specified in 40CFR403.12.

3. The User shall immediately notify the District prior to any new or changed discharge, and shall immediately notify the District (phone 559-485-7353) of any wastewater discharge which is not in compliance with the Permit or the Malaga Code, or which might be reasonably judges to constitute a hazard to District personnel, the wastewater treatment system, or the environment.

4. User shall immediately notify the District of any changes that occur at the facility affecting the potential for a Slug Discharge so that the POTW may

reevaluate the need for a Slug Control Plan or other actions to prevent such Discharges.

5. The User shall provide a site plan showing the location of all wastewater treatment facilities (grease traps, sand separators, etc.)

6. User shall monitor grease traps weekly and record scum and solids levels.

7. Users shall maintain a District approved hazardous waste inventory accounting system which includes a bound log book containing permanent entries that account, either by mass or by volume, for the disposition of substances prohibited by the Malaga Code or this Permit.

8. Users shall keep waste hauler reports on file for a period of three years.

9. User shall maintain a manifest from all trucks washed at a truck wash facility. A copy of the manifest shall be submitted to the District on demand to confirm the contents of trucks washed out.

10. Users shall maintain a log of all wastewater and solids removed from the premise, to include the destination of the hauled materials. Submit copies of the log on a quarterly basis to MCWD for the first year and annually thereafter.

11. Monitoring results obtained must be summarized and reported in a format acceptable to the District.

12. Reports for parameters with a continuous monitoring frequency must be submitted monthly. The reports are due within 15 days after the end of each calendar month.

13. Reports for parameters with a designated monitoring frequency must be submitted within 15 days after the reporting period.

14. All monitoring reports must indicate the nature and concentration of all pollutants in the effluent for which sampling and analysis were performed during the reporting period preceding the submission of each report, including measured maximum and average daily flows.

15. All reports required by this Permit must be submitted to the Malaga County Water District at the following address:

    Malaga County Water District
    Environmental Compliance Inspector
    3580 S. Frank Street
    Fresno, CA 93725

G. Recordkeeping.

Users subject to the reporting requirements of this Code shall retain, and make available for inspection and copying, all records of information obtained pursuant to any monitoring activities required by this Code, any additional records of information obtained pursuant to monitoring activities undertaken by the User independent of such requirements, and documentation associated with Best Management Practices established under this Code. Records shall include the date, exact place, method, and time of sampling, and the name of the person(s) taking the samples; the dates analyses were performed; who performed the analyses; the analytical techniques or methods used; and the results of such analyses. These records shall remain available for a period of at least three (3) years. This period shall be automatically extended for the duration of any litigation concerning the User or the District, or where the User has been specifically notified of a longer retention period by the General Manager, or his or her designee.

H. Certification Statements

1. The User is required to sign and submit the following certification statement if granted use of a Toxic Organic Management Plan in lieu of reporting Priority Pollutants:

"Based on my inquiry of the permit or persons directly responsible for managing compliance with the pretreatment standard for Priority Pollutants (PP's), I certify that, to the best of my knowledge and belief, no dumping of concentrated priority pollutant toxic organics into the wastewaters has occurred since filing of the last discharge monitoring report. I further certify that this facility is implementing the Toxic Organic Management Plan submitted to the Control Authority."

2. The User is required to sign and submit the following certification statement with all monitoring reports:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are signification penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

3. All reports required by this Permit must be submitted to the Malaga County Water District at the following address:

Malaga County Water District
Environmental Compliance Inspector
3580 S. Frank Street
Fresno, CA 93725

I. Annual Publication

As required by the Act, the District's Pretreatment Program, and the Malaga Code, a list of all industries which were in significant noncompliance of applicable federal pretreatment standards or other pretreatment requirements during the twelve (12) previous months shall be annually published by the District in the largest daily newspaper within its service area. Accordingly, the User is apprised that noncompliance with this permit may lead to an enforcement action and may result in publication of its name in an appropriate newspaper. For purposes of this provision, significant noncompliance is defined under 40 CFR 403.8 (f)(2)(vii).

Part 4: Other Conditions

A. Automatic Re-sampling

If the results of the User's wastewater analysis indicate that a violation of this Permit has occurred, the User must:

1. Inform the Malaga County Water District of the violation within 24 hours;
2. Repeat sampling and pollutant analysis and submit, in writing, the results of this second analysis within 30 days of becoming aware if the first violation;
3. Continue repeat sampling until it is determined that the violation has ceased.
4. Pursuant to the provisions of the Malaga Code, the District shall have the ability to sample and analyze any time the District deems appropriate.

B. Accidental Discharge and Reporting

The user must notify the Malaga County Water District immediately upon the occurrence of spills, including, but not limited to, accidental discharges, discharges of a nonroutine, episodic nature, a noncustomary batch discharge, slug loads or slug discharges, that might potential problems for the POTW, or spills that might enter the public sewer. During normal business hours the Malaga County Water District should be notified by telephone at 559-485-7353. The notification must include location of discharge; date and time of discharge; type of waste, including concentration and volume; and corrective actions taken. The User's notification of accidental release in accordance with this section does not relieve it of other reporting requirements that arise under local, state, or federal laws.

Within 5 days following an accidental discharge, the User shall submit to the District Malaga County Water a detailed written report. The report must specify:

1. Description and cause of the upset, slug load, or accidental discharge; the cause thereof; and the impact on the User's compliance status. The description should also include location of discharge and type, concentration, and volume of waste.

2. Duration of noncompliance, including exact dates and times of noncompliance and, if the noncompliance is continuing, the time by which compliance is reasonably expected to occur.

3. All steps taken or to be taken to reduce, eliminate, and/or prevent recurrence of such an upset, slug load, accidental discharge, or other conditions of noncompliance.

C. Pretreatment Systems

1. The District may require Users to install and operate at their own expense the following pretreatment systems:

   i. A grease interceptor approved by the District which (a) prevents excessive grease and oil from entering the sewage system (b) provides at least 1250 gallons storage capacity, at least two compartments, baffles to retain floatable greases and oils and a sampling port and (c) excludes any Sanitary Wastewater from entering the interceptor.

   ii. A grit interceptor approved by the District which (a) prevents sand and settleable grit from entering the sewage system (b) provides a 30-minute detention time base on peak wastewater rate, a minimum capacity of 500 gallons, at least two compartments, baffles to reduce wastewater velocity sufficiently to settle sand and grit and (c) excludes any sanitary wastewater from entering the interceptor.

2. Use of the following pretreatment systems shall not violate any portion of the Malaga Code nor inhibit wastewater treatment systems:

   iii. To operate and maintain any garbage grinders in a manner which prevents discharge of wastewater in violation of the Malaga Code.

   iv. To operate and maintain any water softening units in strict accordance with manufacturer's instructions and in a manner to minimize salts discharge into sewage system.

D. Removed Substances

1. Solids, sludges, filter backwash or other pollutants removed from wastewater in the course of pretreatment or the control of wastewater must be disposed of in accordance with section 405 of the Clean Water Act and Subtitles C and D of the Resource Conservation and recovery Act.

2. Removed Substances shall not be allowed to enter the sewer collection system, nor any storm drain, nor any outfall or drain which leads to a storm water collection system or a water catchment system intended for ground water recharge purposes.

3. Removed substances shall not be retained on the property of the User and shall be properly disposed of as indicated above.

E. Slug Discharge Control Requirements

The User is required to submit and implement a slug discharge control plan if directed by the District. Determination of the requirement for a slug discharge plan shall be made during an initial facility inspection by the District. If it is determined that due to batch discharge or plug flow the WWTF could be hydraulically or biologically overloaded, a slug discharge plan shall be developed and implemented. The slug discharge control plan must include, at a minimum, the following:

1. Description of discharge practices, including non-routine batch discharges.

2. Description of stored chemicals.

3. Procedures for immediately notifying the Malaga County Water District of slug discharges, including any discharge that would violate prohibition under 40CFR 403.5(b), with procedures for follow-up written notification within five days.

4. Procedure to limit any impact on maximum allowable head works loading of the WWTF.

5. Procedures to prevent adverse impact from accidental spills, including inspection and maintenance of storage areas, handling and transfer of materials, loading and unloading operations, control of plant site runoff, worker training, building of containment structures or equipment, measures for containing toxic organic pollutants, and measures and equipment for emergency response.

F. Compliance Schedule

Pursuant to the Enforcement Response Plan, the following levels of escalating enforcement and administrative citations have been established:

1. Warning Notice, and any associated Notices of Non-Compliance;

2. Notice of Violation, and any associated Notices of Non-Compliance;

3. Consent Order, and any associated Notices of Non-Compliance;

4. Compliance Order, and any associated Notices of Non-Compliance; and

5. Show Cause Order, and any associated Notices of Non-Compliance.

i. In the event of any notice or order for compliance, a schedule for compliance shall be included. The User is responsible to meet the schedule for compliance, and shall be penalized according to the provisions of the Enforcement response Plan for failing to do so.

ii. No later than 14 days following the date of the notice or order, the user must submit to the Malaga County Water District a written report including, at a minimum, whether it complied with the increment of progress to be met on such date and, if not, the date on which it expects to comply with the increment of progress, the reasons for delay, and the steps being taken to return the project to the schedule established.

G. Potential Non-Compliance

The User must immediately inform the District in the event of the potential for non-compliance for any known reason. Failure to report the potential for non-compliance may result in a harsher penalty for a non-compliance event that was known to pre-exist.

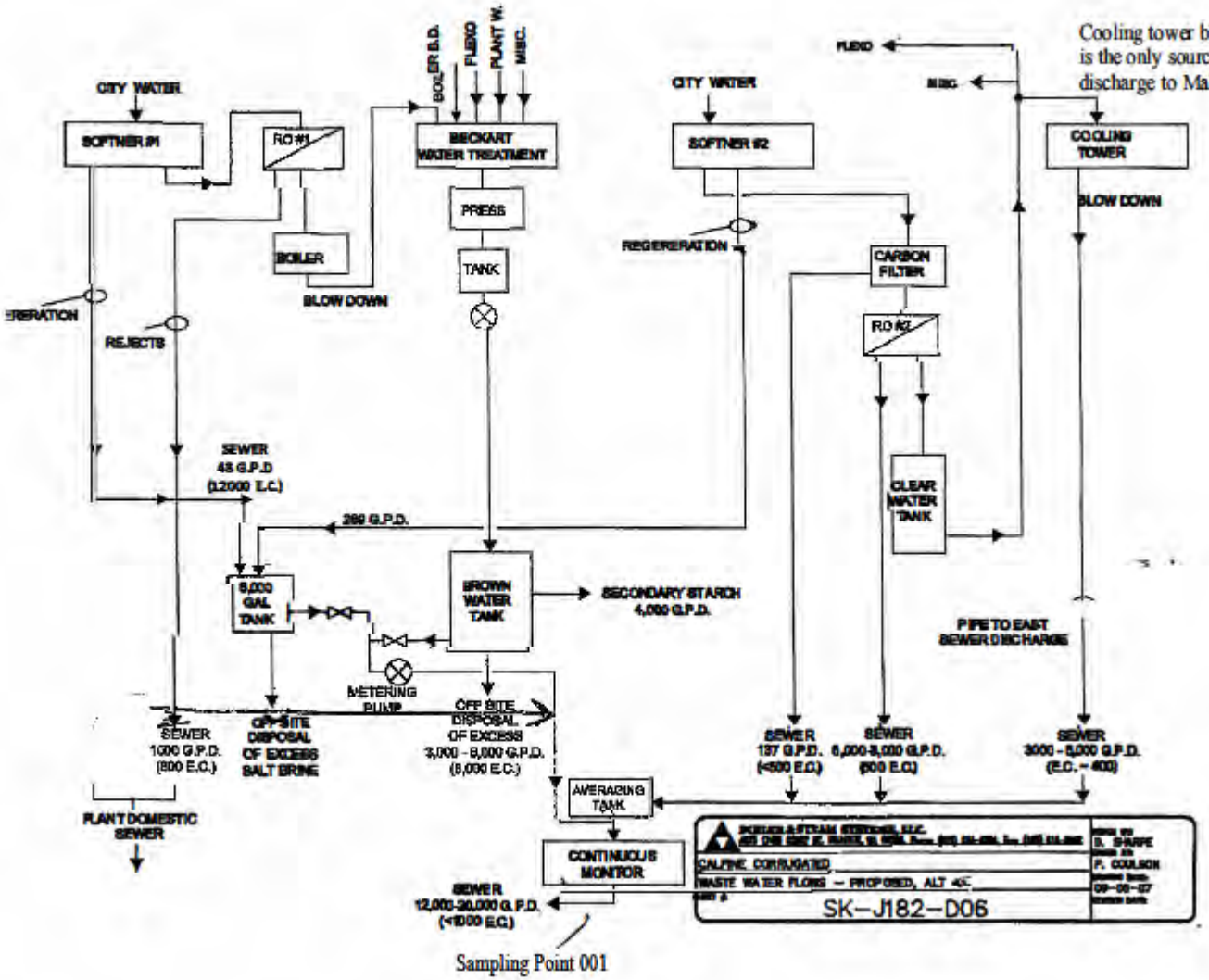
Part 5: Failure to Meet Discharge Limits

Users that absolutely cannot meet, due to their nature of discharge, local limits or discharge limits contained within the Act, after having installed best available pretreatment systems, are required to have their wastewater hauled off to another disposal site.

Attachment 1

Site Map

Cooling tower blowdown is the only source of discharge to Malaga



Sampling Point 001

Attachment 2

Sampling Point Location 001

Description: The valve at the discharge monitoring station located east of the property.

Allen-Bradley
WATCHER
Sampling Point Location 001:
The valve at the discharge monitoring station located east of the property.

Attachment N

SIU Annual Sampling Results

SIU Annual Sampling Results: Stratas Foods

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate # 1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

November 03, 2015

Work Order #: BJ19031

Jim Anderson
Malaga County Water District
3580 S. Frank
Fresno, CA 93725

RE: Local Limits Testing

Enclosed are the analytical results for samples received by our laboratory on 10/19/15 . For your reference, these analyses have been assigned laboratory work order number BJ19031 .

All analyses have been performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, Moore Twining Associates, Inc. (MTA) is not responsible for use of less than complete reports. Results apply only to samples analyzed.

If you have any questions, please feel free to contact us at the number listed above.

Sincerely,

Moore Twining Associates, Inc.

Lisa Montijo
Client Services Representative

MOORE TWINING ASSOCIATES, INC.

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

California ELAP Certificate # 1371

Malaga County Water District
3580 S. Frank
Fresno CA, 93725

Project: Local Limits Testing
Project Number: Local Limits Testing
Project Manager: Jim Anderson

Reported:
11/3/15

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Straoas	BJ19031-01	Waste Water	10/19/15 14:00	10/19/15 15:08

MOORE TWINING ASSOCIATES, INC.

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Fresno CA, 93725

Project: Local Limits Testing
Project Number: Local Limits Testing
Project Manager: Jim Anderson

Reported:
11/3/15

Straoas

BJ19031-01 (Waste Water)

Analyte		Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Inorganics											
Ammonia as N		**0.24**	1.0	0.038	mg/L	1	U5J2608	10/26/15	11/02/15	EPA 350.1	**J**
Biochemical Oxygen Demand		**110**	30	30	mg/L	30	U5J1907	10/19/15	10/24/15	SM5210B	
Chloride		**73**	4.0	0.037	mg/L	2	U5J2022	10/20/15	10/20/15	EPA 300.0	
Cyanide (total)		**7.7**	5.0	2.8	µg/L	1	U5J2208	10/26/15	10/26/15	SM4500CN-E	
Specific Conductance (EC)		**1100**	1.0	0.26	µS/cm	1	U5J1915	10/19/15	10/19/15	SM2510B	
Methylene Blue Active Substances		**0.15**	0.20	0.12	mg/L	4	U5J2103	10/21/15	10/21/15	SM5540C	**D1, J**
Nitrate as Nitrogen		**0.23**	0.90	0.0080	mg/L	2	[CALC]	10/20/15	10/20/15	EPA 300.0	
Nitrate as NO3		**1.0**	4.0	0.035	mg/L	2	U5J2022	10/20/15	10/20/15	EPA 300.0	**J**
Nitrite as N		ND	0.60	0.021	mg/L	2	U5J2022	10/20/15	10/20/15	EPA 300.0	
Phosphorus		**19**	0.50	0.011	mg/L	1	U5J2012	10/20/15	10/28/15	EPA 365.4	
Total Dissolved Solids		**860**	10	8.1	mg/L	1	U5J2108	10/21/15	10/22/15	SM 2540C	
Total Suspended Solids		**42**	20	1.2	mg/L	5	U5J2110	10/21/15	10/21/15	SM 2540D	
Metals - Totals											
Aluminum		**0.059**	0.10	0.014	mg/L	1	U5J2005	10/20/15	10/21/15	EPA 200.7	**J**
Arsenic	D1	ND	0.020	0.0047	mg/L	1	U5J2005	10/20/15	10/21/15	EPA 200.7	
Barium		**0.039**	0.020	0.00026	mg/L	1	U5J2005	10/20/15	10/21/15	EPA 200.7	
Boron		**0.81**	0.10	0.0017	mg/L	1	U5J2005	10/20/15	10/21/15	EPA 200.7	
Cadmium		ND	0.0020	0.00041	mg/L	1	U5J2005	10/20/15	10/21/15	EPA 200.7	
Chromium		**0.0036**	0.010	0.0018	mg/L	1	U5J2005	10/20/15	10/21/15	EPA 200.7	**J**
Copper		**0.016**	0.010	0.0019	mg/L	1	U5J2005	10/20/15	10/21/15	EPA 200.7	
Iron		**1.7**	0.20	0.034	mg/L	1	U5J2005	10/20/15	10/21/15	EPA 200.7	
Lead		ND	0.010	0.0028	mg/L	1	U5J2005	10/20/15	10/21/15	EPA 200.7	
Mercury	D2	ND	1.2	0.21	µg/L	1	U5J2119	10/22/15	10/22/15	EPA 245.2	
Molybdenum		**0.0085**	0.010	0.0015	mg/L	1	U5J2005	10/20/15	10/21/15	EPA 200.7	**J**
Nickel		**0.0042**	0.010	0.0010	mg/L	1	U5J2005	10/20/15	10/21/15	EPA 200.7	**J**
Selenium		ND	0.040	0.0036	mg/L	1	U5J2005	10/20/15	10/21/15	EPA 200.7	
Silver		ND	0.010	0.0022	mg/L	1	U5J2005	10/20/15	10/21/15	EPA 200.7	
Zinc		**0.10**	0.010	0.0016	mg/L	1	U5J2005	10/20/15	10/21/15	EPA 200.7	
Semi-Volatile Organics											
Phenol		ND	5.0	0.63	µg/L	1	U5J2202	10/22/15	10/24/15	EPA 625	
2-Chlorophenol		ND	5.0	0.69	µg/L	1	U5J2202	10/22/15	10/24/15	EPA 625	
2-Methylphenol		ND	5.0	0.93	µg/L	1	U5J2202	10/22/15	10/24/15	EPA 625	
3-Methylphenol		ND	5.0	0.96	µg/L	1	U5J2202	10/22/15	10/24/15	EPA 625	
4-Methylphenol		ND	5.0	1.1	µg/L	1	U5J2202	10/22/15	10/24/15	EPA 625	
2-Nitrophenol		ND	5.0	1.3	µg/L	1	U5J2202	10/22/15	10/24/15	EPA 625	

MOORE TWINING ASSOCIATES, INC.

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California ELAP Certificate # 1371

Malaga County Water District
3580 S. Frank
Fresno CA, 93725

Project: Local Limits Testing
Project Number: Local Limits Testing
Project Manager: Jim Anderson

Reported:
11/3/15

Straoas

BJ19031-01 (Waste Water)

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Semi-Volatile Organics										
2,4-Dimethylphenol	ND	5.0	1.2	µg/L	1	U5J2202	10/22/15	10/24/15	EPA 625	
2,4-Dichlorophenol	ND	5.0	0.79	µg/L	1	U5J2202	10/22/15	10/24/15	EPA 625	
2,6-Dichlorophenol	ND	5.0	0.59	µg/L	1	U5J2202	10/22/15	10/24/15	EPA 625	
4-Chloro-3-methylphenol	ND	5.0	0.57	µg/L	1	U5J2202	10/22/15	10/24/15	EPA 625	
2,4,5-Trichlorophenol	ND	5.0	2.3	µg/L	1	U5J2202	10/22/15	10/24/15	EPA 625	
2,4,6-Trichlorophenol	ND	5.0	2.5	µg/L	1	U5J2202	10/22/15	10/24/15	EPA 625	
2,4-Dinitrophenol	ND	5.0	1.9	µg/L	1	U5J2202	10/22/15	10/24/15	EPA 625	
4-Nitrophenol	ND	5.0	1.6	µg/L	1	U5J2202	10/22/15	10/24/15	EPA 625	
2,3,4,6-Tetrachlorophenol	ND	5.0	0.59	µg/L	1	U5J2202	10/22/15	10/24/15	EPA 625	
4,6-Dinitro-2-methylphenol	ND	5.0	0.51	µg/L	1	U5J2202	10/22/15	10/24/15	EPA 625	
Pentachlorophenol	ND	5.0	1.3	µg/L	1	U5J2202	10/22/15	10/24/15	EPA 625	
Surrogate: 2-Fluorophenol	*30.5 %*	*22-92*				*U5J2202*	*10/22/15*	*10/24/15*	*EPA 625*	
Surrogate: Phenol-d5	*19.0 %*	*10-94*				*U5J2202*	*10/22/15*	*10/24/15*	*EPA 625*	
Surrogate: 2,4,6-Tribromophenol	*55.8 %*	*49-138*				*U5J2202*	*10/22/15*	*10/24/15*	*EPA 625*	
Total Oil & Grease (HEM)	**11**	1.0	0.17	mg/L	1	U5J2210	10/22/15	10/26/15	EPA 1664A	
Volatile Organics										
Chloromethane	ND	0.50	0.16	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
Vinyl chloride	ND	0.50	0.16	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
Bromomethane	ND	1.0	0.32	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
Chloroethane	ND	0.50	0.16	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
Trichlorofluoromethane (CFC-11)	ND	0.50	0.13	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
Trichlorotrifluoroethane (CFC-113)	ND	1.0	0.11	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
1,1-Dichloroethene	ND	0.50	0.14	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
Acrolein	ND	10	1.5	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
Methylene chloride	ND	1.0	0.20	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
trans-1,2-Dichloroethene	ND	0.50	0.11	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.36	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
1,1-Dichloroethane	ND	0.50	0.12	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
Acrylonitrile	ND	5.0	2.9	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
cis-1,2-Dichloroethene	ND	0.50	0.15	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
Chloroform	ND	0.50	0.14	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
Carbon tetrachloride	ND	0.50	0.16	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
1,1,1-Trichloroethane (TCA)	ND	0.50	0.16	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
1,1-Dichloropropene	ND	0.50	0.12	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
Benzene	ND	0.50	0.10	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
1,2-Dichloroethane (1,2-DCA)	ND	0.50	0.10	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	

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Project: Local Limits Testing
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Reported:
11/3/15

Straoas

BJ19031-01 (Waste Water)

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics										
Trichloroethene (TCE)	ND	0.50	0.17	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
1,2-Dichloropropane	ND	0.50	0.10	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
Bromodichloromethane	ND	0.50	0.13	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
2-Chloroethylvinyl ether	ND	1.0	0.33	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
cis-1,3-Dichloropropene	ND	0.50	0.11	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
Toluene	ND	0.50	0.27	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
Tetrachloroethene (PCE)	ND	0.50	0.12	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
1,1,2-Trichloroethane	ND	0.50	0.12	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
Dibromochloromethane	ND	0.50	0.11	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
1,2-Dibromoethane (EDB)	ND	0.50	0.22	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
Ethylbenzene	ND	0.50	0.10	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
Chlorobenzene	ND	0.50	0.10	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
1,1,1,2-Tetrachloroethane	ND	0.50	0.12	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
m,p-Xylene	ND	1.0	0.20	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
o-Xylene	ND	0.50	0.10	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
Styrene	ND	0.50	0.10	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
Bromoform	ND	1.0	0.12	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
1,1,2,2-Tetrachloroethane	ND	1.0	0.21	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
1,2,3-Trichloropropane (123TCP)	ND	0.50	0.29	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
1,3-Dichlorobenzene	ND	0.50	0.040	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
1,4-Dichlorobenzene	ND	0.50	0.10	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
1,2-Dichlorobenzene	ND	0.50	0.12	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
1,2,4-Trichlorobenzene	ND	1.0	0.10	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
Hexachlorobutadiene	ND	1.0	0.10	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
Naphthalene	ND	0.50	0.15	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
Xylenes	ND	2.0		µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
Surrogate: 4-Bromofluorobenzene	*98.8 %*	*70-130*				*U5J2129*	*10/21/15*	*10/22/15*	*EPA 624*	
Surrogate: Dibromofluoromethane	*98.1 %*	*70-130*				*U5J2129*	*10/21/15*	*10/22/15*	*EPA 624*	
Surrogate: Toluene-d8	*102 %*	*70-130*				*U5J2129*	*10/21/15*	*10/22/15*	*EPA 624*	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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California ELAP Certificate # 1371

Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Local Limits Testing	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	**11/3/15**

Notes and Definitions

J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag). Same as DNQ - Detected, but Not Quantified.
D2	Sample diluted due to high concentration(s) of non-target analyte(s).
D1	Sample diluted due to matrix effects.
BS2	Recovery for this analyte was biased low. Results were accepted based on duplicate results.
BLK01	Detected in the blank; associated samples were ND.
ND	Analyte NOT DETECTED at or above the Method Detection Limit (MDL)
NR	Not Reported
RPD	Relative Percent Difference
MDL	Method Detection Limit

Analysis of pH, filtration, and residual chlorine is to take place immediately after sampling in the field.
If the test was performed in the laboratory, the hold time was exceeded. **(for aqueous matrices only)**

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Malaga County Water District
3580 S. Frank
Fresno CA, 93725

Project: Local Limits Testing
Project Number: Local Limits Testing
Project Manager: Jim Anderson

Reported:
11/3/15

Inorganics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J1907										
Blank (U5J1907-BLK1)				Prepared: 10/19/15 Analyzed: 10/24/15						
Biochemical Oxygen Demand	ND	1.0	mg/L							
LCS (U5J1907-BS1)				Prepared: 10/19/15 Analyzed: 10/24/15						
Biochemical Oxygen Demand	151	50	mg/L	198		76.4	85-115		20	BS2
LCS Dup (U5J1907-BSD1)				Prepared: 10/19/15 Analyzed: 10/24/15						
Biochemical Oxygen Demand	182	50	mg/L	198		92.0	85-115	18.6	20	
Duplicate (U5J1907-DUP1)		**Source: BJ19010-01**		Prepared: 10/19/15 Analyzed: 10/24/15						
Biochemical Oxygen Demand	298	100	mg/L		265			11.7	20	
Duplicate (U5J1907-DUP2)		**Source: BJ19026-01**		Prepared: 10/19/15 Analyzed: 10/24/15						
Biochemical Oxygen Demand	268	100	mg/L		305			12.9	20	
Batch U5J1915										
Blank (U5J1915-BLK1)				Prepared & Analyzed: 10/19/15						
Specific Conductance (EC)	ND	1.0	µS/cm							
LCS (U5J1915-BS1)				Prepared & Analyzed: 10/19/15						
Specific Conductance (EC)	535	1.0	µS/cm	500		107	80-120		20	
LCS Dup (U5J1915-BSD1)				Prepared & Analyzed: 10/19/15						
Specific Conductance (EC)	537	1.0	µS/cm	500		107	80-120	0.379	20	
Duplicate (U5J1915-DUP1)		**Source: BJ19009-01**		Prepared & Analyzed: 10/19/15						
Specific Conductance (EC)	51.5	1.0	µS/cm		53.2			3.34	20	
Duplicate (U5J1915-DUP2)		**Source: BJ19035-02**		Prepared & Analyzed: 10/19/15						
Specific Conductance (EC)	1120	1.0	µS/cm		1110			0.456	20	
Batch U5J2012										
Blank (U5J2012-BLK1)				Prepared: 10/20/15 Analyzed: 10/28/15						
Phosphorus	0.0351	0.50	mg/L							J
LCS (U5J2012-BS1)				Prepared: 10/20/15 Analyzed: 10/28/15						
Phosphorus	6.97	0.50	mg/L	7.50		92.9	80-120		20	
LCS Dup (U5J2012-BSD1)				Prepared: 10/20/15 Analyzed: 10/28/15						
Phosphorus	6.64	0.50	mg/L	7.50		88.5	80-120	4.82	20	
Matrix Spike (U5J2012-MS1)		**Source: BJ15026-01**		Prepared: 10/20/15 Analyzed: 10/28/15						
Phosphorus	78.4	5.0	mg/L	75.0	5.83	96.8	80-120		20	
Matrix Spike Dup (U5J2012-MSD1)		**Source: BJ15026-01**		Prepared: 10/20/15 Analyzed: 10/28/15						
Phosphorus	76.2	5.0	mg/L	75.0	5.83	93.8	80-120	2.90	20	

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Inorganics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J2022										
Blank (U5J2022-BLK1)				Prepared & Analyzed: 10/20/15						
Nitrite as N	ND	0.30	mg/L							
Chloride	0.123	2.0	mg/L							J
Nitrate as NO3	ND	2.0	mg/L							
LCS (U5J2022-BS1)				Prepared & Analyzed: 10/20/15						
Nitrite as N	4.73	0.30	mg/L	5.00		94.6	90-110		20	
Chloride	47.1	2.0	mg/L	50.0		94.2	90-110		20	
Nitrate as NO3	48.0	2.0	mg/L	50.0		96.1	90-110		20	
LCS Dup (U5J2022-BSD1)				Prepared & Analyzed: 10/20/15						
Nitrite as N	4.80	0.30	mg/L	5.00		96.0	90-110	1.43	20	
Chloride	47.6	2.0	mg/L	50.0		95.2	90-110	1.09	20	
Nitrate as NO3	48.2	2.0	mg/L	50.0		96.4	90-110	0.300	20	
Matrix Spike (U5J2022-MS1)		**Source: BJ19020-01**		Prepared & Analyzed: 10/20/15						
Nitrite as N	18.9	1.2	mg/L	20.0	ND	94.6	80-120		20	
Chloride	216	8.0	mg/L	200	31.0	92.5	48-147		15	
Nitrate as NO3	207	8.0	mg/L	200	24.4	91.1	70-130		20	
Matrix Spike (U5J2022-MS2)		**Source: BJ20001-06**		Prepared & Analyzed: 10/20/15						
Chloride	196	8.0	mg/L	200	9.16	93.6	48-147		15	
Nitrite as N	19.0	1.2	mg/L	20.0	ND	94.8	80-120		20	
Nitrate as NO3	232	8.0	mg/L	200	47.3	92.4	70-130		20	
Matrix Spike Dup (U5J2022-MSD1)		**Source: BJ19020-01**		Prepared & Analyzed: 10/20/15						
Chloride	216	8.0	mg/L	200	31.0	92.6	48-147	0.133	15	
Nitrite as N	18.8	1.2	mg/L	20.0	ND	94.2	80-120	0.502	20	
Nitrate as NO3	207	8.0	mg/L	200	24.4	91.5	70-130	0.359	20	
Matrix Spike Dup (U5J2022-MSD2)		**Source: BJ20001-06**		Prepared & Analyzed: 10/20/15						
Nitrite as N	19.0	1.2	mg/L	20.0	ND	95.1	80-120	0.318	20	
Chloride	196	8.0	mg/L	200	9.16	93.5	48-147	0.0950	15	
Nitrate as NO3	233	8.0	mg/L	200	47.3	93.0	70-130	0.531	20	
Batch U5J2103										
Blank (U5J2103-BLK1)				Prepared & Analyzed: 10/21/15						
Methylene Blue Active Substances	0.101	0.050	mg/L							BLK01
LCS (U5J2103-BS1)				Prepared & Analyzed: 10/21/15						
Methylene Blue Active Substances	1.13	0.050	mg/L	1.00		113	80-120		20	
LCS Dup (U5J2103-BSD1)				Prepared & Analyzed: 10/21/15						

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Inorganics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J2103										
LCS Dup (U5J2103-BSD1)				Prepared & Analyzed: 10/21/15						
Methylene Blue Active Substances	1.13	0.050	mg/L	1.00		113	80-120	0.177	20	
Matrix Spike (U5J2103-MS1)		**Source: BJ20048-01**		Prepared & Analyzed: 10/21/15						
Methylene Blue Active Substances	0.965	0.050	mg/L	1.00	ND	96.5	80-120		20	
Matrix Spike Dup (U5J2103-MSD1)		**Source: BJ20048-01**		Prepared & Analyzed: 10/21/15						
Methylene Blue Active Substances	0.982	0.050	mg/L	1.00	ND	98.2	80-120	1.75	20	
Batch U5J2108										
Blank (U5J2108-BLK1)				Prepared: 10/21/15 Analyzed: 10/22/15						
Total Dissolved Solids	ND	10	mg/L							
LCS (U5J2108-BS1)				Prepared: 10/21/15 Analyzed: 10/22/15						
Total Dissolved Solids	241	10	mg/L	240		100	80-120		20	
LCS Dup (U5J2108-BSD1)				Prepared: 10/21/15 Analyzed: 10/22/15						
Total Dissolved Solids	251	10	mg/L	240		105	80-120	4.07	20	
Duplicate (U5J2108-DUP1)		**Source: BJ14033-02**		Prepared: 10/21/15 Analyzed: 10/22/15						
Total Dissolved Solids	248	10	mg/L		248			0.00	20	
Duplicate (U5J2108-DUP2)		**Source: BJ14033-04**		Prepared: 10/21/15 Analyzed: 10/22/15						
Total Dissolved Solids	552	10	mg/L		533			3.41	20	
Batch U5J2110										
Blank (U5J2110-BLK1)				Prepared & Analyzed: 10/21/15						
Total Suspended Solids	0.400	4.0	mg/L							J
Duplicate (U5J2110-DUP1)		**Source: BJ19024-01**		Prepared & Analyzed: 10/21/15						
Total Suspended Solids	48	20	mg/L		49			2.06	20	
Duplicate (U5J2110-DUP2)		**Source: BJ19024-02**		Prepared & Analyzed: 10/21/15						
Total Suspended Solids	28	10	mg/L		26			5.61	20	
Batch U5J2208										
Blank (U5J2208-BLK1)				Prepared & Analyzed: 10/26/15						
Cyanide (total)	ND	5.0	µg/L							
LCS (U5J2208-BS1)				Prepared & Analyzed: 10/26/15						
Cyanide (total)	49.0	5.0	µg/L	50.0		98.0	80-120		20	
LCS Dup (U5J2208-BSD1)				Prepared & Analyzed: 10/26/15						
Cyanide (total)	46.3	5.0	µg/L	50.0		92.6	80-120	5.67	20	

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Reported:
11/3/15

Inorganics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J2208										
Matrix Spike (U5J2208-MS1)		**Source: BJ13090-02**		Prepared & Analyzed: 10/26/15						
Cyanide (total)	48.1	5.0	µg/L	50.0	ND	96.2	80-120		20	
Matrix Spike Dup (U5J2208-MSD1)		**Source: BJ13090-02**		Prepared & Analyzed: 10/26/15						
Cyanide (total)	48.1	5.0	µg/L	50.0	ND	96.2	80-120	0.00	20	
Batch U5J2608										
Blank (U5J2608-BLK1)				Prepared: 10/26/15 Analyzed: 11/02/15						
Ammonia as N	0.0847	1.0	mg/L							J
LCS (U5J2608-BS1)				Prepared: 10/26/15 Analyzed: 11/02/15						
Ammonia as N	22.3	1.0	mg/L	22.5		99.1	80-120		20	
LCS Dup (U5J2608-BSD1)				Prepared: 10/26/15 Analyzed: 11/02/15						
Ammonia as N	21.7	1.0	mg/L	22.5		96.4	80-120	2.82	20	
Matrix Spike (U5J2608-MS1)		**Source: BJ20041-04**		Prepared: 10/26/15 Analyzed: 11/02/15						
Ammonia as N	21.7	1.0	mg/L	22.5	0.420	94.8	80-120		20	
Matrix Spike (U5J2608-MS2)		**Source: BJ20042-02**		Prepared: 10/26/15 Analyzed: 11/02/15						
Ammonia as N	23.5	1.0	mg/L	22.5	0.0536	104	80-120		20	
Matrix Spike Dup (U5J2608-MSD1)		**Source: BJ20041-04**		Prepared: 10/26/15 Analyzed: 11/02/15						
Ammonia as N	22.2	1.0	mg/L	22.5	0.420	96.6	80-120	1.91	20	
Matrix Spike Dup (U5J2608-MSD2)		**Source: BJ20042-02**		Prepared: 10/26/15 Analyzed: 11/02/15						
Ammonia as N	23.0	1.0	mg/L	22.5	0.0536	102	80-120	2.07	20	

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Metals - Totals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J2005										
Blank (U5J2005-BLK1)				Prepared: 10/20/15 Analyzed: 10/21/15						
Barium	ND	0.010	mg/L							
Chromium	ND	0.0050	mg/L							
Aluminum	ND	0.050	mg/L							
Silver	ND	0.0050	mg/L							
Selenium	ND	0.020	mg/L							
Copper	ND	0.0050	mg/L							
Zinc	ND	0.0050	mg/L							
Nickel	0.000772	0.0050	mg/L							J
Lead	ND	0.0050	mg/L							
Molybdenum	0.00314	0.0050	mg/L							J
Iron	ND	0.10	mg/L							
Arsenic	ND	0.010	mg/L							
Cadmium	0.000268	0.0010	mg/L							J
Boron	ND	0.050	mg/L							
LCS (U5J2005-BS1)				Prepared: 10/20/15 Analyzed: 10/21/15						
Boron	0.950	0.050	mg/L	1.00		95.0	85-115		20	
Iron	2.04	0.10	mg/L	2.00		102	85-115		20	
Lead	0.105	0.0050	mg/L	0.100		105	85-115		20	
Molybdenum	0.0999	0.0050	mg/L	0.100		99.9	85-115		20	
Cadmium	0.0211	0.0010	mg/L	0.0200		106	85-115		20	
Nickel	0.109	0.0050	mg/L	0.100		109	85-115		20	
Silver	0.107	0.0050	mg/L	0.100		107	85-115		20	
Zinc	0.105	0.0050	mg/L	0.100		105	85-115		20	
Copper	0.0979	0.0050	mg/L	0.100		97.9	85-115		20	
Barium	0.205	0.010	mg/L	0.200		102	85-115		20	
Selenium	0.402	0.020	mg/L	0.400		101	85-115		20	
Arsenic	0.197	0.010	mg/L	0.200		98.3	85-115		20	
Chromium	0.102	0.0050	mg/L	0.100		102	85-115		20	
Aluminum	0.996	0.050	mg/L	1.00		99.6	85-115		20	
LCS Dup (U5J2005-BSD1)				Prepared: 10/20/15 Analyzed: 10/21/15						
Zinc	0.105	0.0050	mg/L	0.100		105	85-115	0.153	20	
Cadmium	0.0209	0.0010	mg/L	0.0200		104	85-115	1.17	20	
Lead	0.103	0.0050	mg/L	0.100		103	85-115	1.56	20	
Aluminum	1.02	0.050	mg/L	1.00		102	85-115	2.31	20	
Arsenic	0.195	0.010	mg/L	0.200		97.3	85-115	1.06	20	

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Reported:
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Metals - Totals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J2005										
LCS Dup (U5J2005-BSD1)				Prepared: 10/20/15 Analyzed: 10/21/15						
Molybdenum	0.102	0.0050	mg/L	0.100		102	85-115	2.09	20	
Barium	0.204	0.010	mg/L	0.200		102	85-115	0.163	20	
Nickel	0.108	0.0050	mg/L	0.100		108	85-115	0.775	20	
Boron	0.988	0.050	mg/L	1.00		98.8	85-115	3.89	20	
Chromium	0.103	0.0050	mg/L	0.100		103	85-115	1.41	20	
Iron	2.08	0.10	mg/L	2.00		104	85-115	1.71	20	
Copper	0.0986	0.0050	mg/L	0.100		98.6	85-115	0.725	20	
Selenium	0.399	0.020	mg/L	0.400		99.7	85-115	0.777	20	
Silver	0.107	0.0050	mg/L	0.100		107	85-115	0.0465	20	
Matrix Spike (U5J2005-MS1)		**Source: BJ19028-01**		Prepared: 10/20/15 Analyzed: 10/21/15						
Barium	2.06	0.10	mg/L	2.00	0.0142	102	70-130		20	
Nickel	1.07	0.050	mg/L	1.00	ND	107	70-130		20	
Zinc	11.4	0.050	mg/L	1.00	10.6	80.4	70-130		20	
Aluminum	10.4	0.50	mg/L	10.0	0.176	102	70-130		20	
Molybdenum	1.02	0.050	mg/L	1.00	0.0312	98.9	70-130		20	
Arsenic	1.96	0.10	mg/L	2.00	ND	97.8	70-130		20	
Iron	20.6	1.0	mg/L	20.0	0.497	100	70-130		20	
Cadmium	0.209	0.010	mg/L	0.200	ND	104	70-130		20	
Lead	1.11	0.050	mg/L	1.00	0.0576	105	70-130		20	
Boron	9.46	0.50	mg/L	10.0	ND	94.6	70-130		20	
Chromium	1.02	0.050	mg/L	1.00	ND	102	70-130		20	
Selenium	3.95	0.20	mg/L	4.00	ND	98.9	70-130		20	
Copper	0.974	0.050	mg/L	1.00	ND	97.4	70-130		20	
Silver	1.04	0.050	mg/L	1.00	ND	104	70-130		20	
Matrix Spike Dup (U5J2005-MSD1)		**Source: BJ19028-01**		Prepared: 10/20/15 Analyzed: 10/21/15						
Iron	20.9	1.0	mg/L	20.0	0.497	102	70-130	1.76	20	
Barium	2.05	0.10	mg/L	2.00	0.0142	102	70-130	0.317	20	
Selenium	3.95	0.20	mg/L	4.00	ND	98.8	70-130	0.0714	20	
Silver	1.06	0.050	mg/L	1.00	ND	106	70-130	1.30	20	
Arsenic	1.92	0.10	mg/L	2.00	ND	96.0	70-130	1.91	20	
Chromium	1.03	0.050	mg/L	1.00	ND	103	70-130	0.630	20	
Boron	9.76	0.50	mg/L	10.0	ND	97.6	70-130	3.11	20	
Cadmium	0.207	0.010	mg/L	0.200	ND	103	70-130	0.770	20	
Copper	0.992	0.050	mg/L	1.00	ND	99.2	70-130	1.81	20	
Aluminum	10.6	0.50	mg/L	10.0	0.176	104	70-130	2.57	20	

MOORE TWINING ASSOCIATES, INC.

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

California ELAP Certificate # 1371

Malaga County Water District
3580 S. Frank
Fresno CA, 93725

Project: Local Limits Testing
Project Number: Local Limits Testing
Project Manager: Jim Anderson

Reported:
11/3/15

Metals - Totals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J2005										
Matrix Spike Dup (U5J2005-MSD1)		**Source: BJ19028-01**		Prepared: 10/20/15 Analyzed: 10/21/15						
Lead	1.08	0.050	mg/L	1.00	0.0576	102	70-130	3.19	20	
Molybdenum	1.01	0.050	mg/L	1.00	0.0312	98.3	70-130	0.644	20	
Nickel	1.08	0.050	mg/L	1.00	ND	108	70-130	0.325	20	
Zinc	11.7	0.050	mg/L	1.00	10.6	103	70-130	1.98	20	
Batch U5J2119										
Blank (U5J2119-BLK1)				Prepared & Analyzed: 10/22/15						
Mercury	ND	0.20	µg/L							
LCS (U5J2119-BS1)				Prepared & Analyzed: 10/22/15						
Mercury	5.18	0.20	µg/L	5.00		104	80-120		20	
LCS Dup (U5J2119-BSD1)				Prepared & Analyzed: 10/22/15						
Mercury	5.13	0.20	µg/L	5.00		103	80-120	0.968	20	
Matrix Spike (U5J2119-MS1)		**Source: BJ15020-01**		Prepared & Analyzed: 10/22/15						
Mercury	157	6.0	µg/L	150	ND	105	70-130		20	
Matrix Spike Dup (U5J2119-MSD1)		**Source: BJ15020-01**		Prepared & Analyzed: 10/22/15						
Mercury	154	6.0	µg/L	150	ND	103	70-130	1.69	20	

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3580 S. Frank
Fresno CA, 93725

Project: Local Limits Testing
Project Number: Local Limits Testing
Project Manager: Jim Anderson

Reported:
11/3/15

Semi-Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J2202										
Blank (U5J2202-BLK1)				Prepared: 10/22/15 Analyzed: 10/23/15						
Surrogate: 2-Fluorophenol	*55.2*		*µg/L*	*100*		*55.2*	*22-92*			
Surrogate: Phenol-d5	*60.6*		*µg/L*	*100*		*60.6*	*10-94*			
Surrogate: 2,4,6-Tribromophenol	*71.9*		*µg/L*	*100*		*71.9*	*49-138*			
Phenol	ND	5.0	µg/L							
2-Chlorophenol	ND	5.0	µg/L							
2-Methylphenol	ND	5.0	µg/L							
3-Methylphenol	ND	5.0	µg/L							
4-Methylphenol	ND	5.0	µg/L							
2-Nitrophenol	ND	5.0	µg/L							
2,4-Dimethylphenol	ND	5.0	µg/L							
2,4-Dichlorophenol	ND	5.0	µg/L							
2,6-Dichlorophenol	ND	5.0	µg/L							
4-Chloro-3-methylphenol	ND	5.0	µg/L							
2,4,5-Trichlorophenol	ND	5.0	µg/L							
2,4,6-Trichlorophenol	ND	5.0	µg/L							
2,4-Dinitrophenol	ND	5.0	µg/L							
4-Nitrophenol	ND	5.0	µg/L							
2,3,4,6-Tetrachlorophenol	ND	5.0	µg/L							
4,6-Dinitro-2-methylphenol	ND	5.0	µg/L							
Pentachlorophenol	ND	5.0	µg/L							
LCS (U5J2202-BS1)				Prepared: 10/22/15 Analyzed: 10/23/15						
Surrogate: 2-Fluorophenol	*55.6*		*µg/L*	*100*		*55.6*	*22-92*			
Surrogate: Phenol-d5	*60.6*		*µg/L*	*100*		*60.6*	*10-94*			
Surrogate: 2,4,6-Tribromophenol	*68.2*		*µg/L*	*100*		*68.2*	*49-138*			
Phenol	30.6	5.0	µg/L	50.0		61.2	5-112		20	
2-Chlorophenol	30.8	5.0	µg/L	50.0		61.6	23-134		20	
4-Chloro-3-methylphenol	31.2	5.0	µg/L	50.0		62.5	22-147		20	
LCS Dup (U5J2202-BSD1)				Prepared: 10/22/15 Analyzed: 10/24/15						
Surrogate: 2-Fluorophenol	*58.8*		*µg/L*	*100*		*58.8*	*22-92*			
Surrogate: Phenol-d5	*63.7*		*µg/L*	*100*		*63.7*	*10-94*			
Surrogate: 2,4,6-Tribromophenol	*71.7*		*µg/L*	*100*		*71.7*	*49-138*			
Phenol	32.8	5.0	µg/L	50.0		65.5	5-112	6.82	20	
2-Chlorophenol	32.9	5.0	µg/L	50.0		65.8	23-134	6.69	20	
4-Chloro-3-methylphenol	33.6	5.0	µg/L	50.0		67.2	22-147	7.32	20	
Batch U5J2210										

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Malaga County Water District
3580 S. Frank
Fresno CA, 93725

Project: Local Limits Testing
Project Number: Local Limits Testing
Project Manager: Jim Anderson

Reported:
11/3/15

Semi-Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J2210										
Blank (U5J2210-BLK1)				Prepared: 10/22/15 Analyzed: 10/26/15						
Total Oil & Grease (HEM)	ND	1.0	mg/L							
LCS (U5J2210-BS1)				Prepared: 10/22/15 Analyzed: 10/26/15						
Total Oil & Grease (HEM)	38.3	1.0	mg/L	40.0		95.8	78-114		20	
LCS Dup (U5J2210-BSD1)				Prepared: 10/22/15 Analyzed: 10/26/15						
Total Oil & Grease (HEM)	37.5	1.0	mg/L	40.0		93.8	78-114	2.11	20	

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Project: Local Limits Testing
Project Number: Local Limits Testing
Project Manager: Jim Anderson

Reported:
11/3/15

Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J2129										
Blank (U5J2129-BLK1)				Prepared & Analyzed: 10/21/15						
Surrogate: 4-Bromofluorobenzene	*24.8*		*µg/L*	*25.0*		*99.4*	*70-130*			
Surrogate: Dibromofluoromethane	*24.9*		*µg/L*	*25.0*		*99.5*	*70-130*			
Surrogate: Toluene-d8	*25.2*		*µg/L*	*25.0*		*101*	*70-130*			
Chloromethane	ND	0.50	µg/L							
Vinyl chloride	ND	0.50	µg/L							
Bromomethane	ND	1.0	µg/L							
Chloroethane	ND	0.50	µg/L							
Trichlorofluoromethane (CFC-11)	ND	0.50	µg/L							
Trichlorotrifluoroethane (CFC-113)	ND	1.0	µg/L							
1,1-Dichloroethene	ND	0.50	µg/L							
Acrolein	ND	10	µg/L							
Methylene chloride	ND	1.0	µg/L							
trans-1,2-Dichloroethene	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
Acrylonitrile	ND	5.0	µg/L							
cis-1,2-Dichloroethene	ND	0.50	µg/L							
Chloroform	ND	0.50	µg/L							
Carbon tetrachloride	ND	0.50	µg/L							
1,1,1-Trichloroethane (TCA)	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
Benzene	ND	0.50	µg/L							
1,2-Dichloroethane (1,2-DCA)	ND	0.50	µg/L							
Trichloroethene (TCE)	ND	0.50	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
2-Chloroethylvinyl ether	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
Toluene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Tetrachloroethene (PCE)	ND	0.50	µg/L							
1,1,2-Trichloroethane	ND	0.50	µg/L							
Dibromochloromethane	ND	0.50	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Ethylbenzene	ND	0.50	µg/L							

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3580 S. Frank
Fresno CA, 93725

Project: Local Limits Testing
Project Number: Local Limits Testing
Project Manager: Jim Anderson

Reported:
11/3/15

Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J2129										
Blank (U5J2129-BLK1)				Prepared & Analyzed: 10/21/15						
Chlorobenzene	ND	0.50	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
m,p-Xylene	ND	1.0	µg/L							
o-Xylene	ND	0.50	µg/L							
Styrene	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	1.0	µg/L							
1,2,3-Trichloropropane (123TCP)	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	1.0	µg/L							
Naphthalene	ND	0.50	µg/L							
Xylenes	ND	2.0	µg/L							
LCS (U5J2129-BS1)				Prepared & Analyzed: 10/21/15						
Surrogate: 4-Bromofluorobenzene	*24.2*		*µg/L*	*25.0*		*97.0*	*70-130*			
Surrogate: Dibromofluoromethane	*24.8*		*µg/L*	*25.0*		*99.3*	*70-130*			
Surrogate: Toluene-d8	*25.3*		*µg/L*	*25.0*		*101*	*70-130*			
1,1-Dichloroethene	19.4	0.50	µg/L	19.8		97.7	70-130		20	
Benzene	18.4	0.50	µg/L	20.0		92.3	70-130		20	
Trichloroethene (TCE)	17.9	0.50	µg/L	20.0		89.6	70-130		20	
Toluene	18.9	0.50	µg/L	19.9		95.0	70-130		20	
Chlorobenzene	18.6	0.50	µg/L	20.0		92.8	70-130		20	
LCS Dup (U5J2129-BSD1)				Prepared & Analyzed: 10/21/15						
Surrogate: 4-Bromofluorobenzene	*24.7*		*µg/L*	*25.0*		*98.7*	*70-130*			
Surrogate: Dibromofluoromethane	*25.4*		*µg/L*	*25.0*		*102*	*70-130*			
Surrogate: Toluene-d8	*25.2*		*µg/L*	*25.0*		*101*	*70-130*			
1,1-Dichloroethene	18.6	0.50	µg/L	19.8		93.9	70-130	4.01	20	
Benzene	18.1	0.50	µg/L	20.0		90.5	70-130	1.92	20	
Trichloroethene (TCE)	17.4	0.50	µg/L	20.0		87.0	70-130	2.89	20	
Toluene	18.5	0.50	µg/L	19.9		92.8	70-130	2.41	20	
Chlorobenzene	18.3	0.50	µg/L	20.0		91.4	70-130	1.41	20	

MOORE TWINING ASSOCIATES, INC.

CHAIN OF CUSTODY/ANALYSIS REQUEST

2527 FRESNO STREET • FRESNO, CA 93721 • PHONE (559) 268-7021 • FAX: (559) 268-0740

ANALYTICAL CHEMISTRY DIVISION
CALIFORNIA ELAP CERTIFICATION # 1371

WORK ORDER #: BJ19031

PAGE 1 OF 2

ATTENTION: Jim Anderson	ATTENTION:
NAME: Malaga County Water District	NAME:
ADDRESS: 3580 S. Frank	ADDRESS:
Fresno, CA 93725	
PHONE: (559) 485-7353	PHONE:
FAX: (559) 495-1070	FAX:

☐ STANDARD FORMAT
☐ EDT (STATE FORM)
☐ GEOTRACKER/COELT (LUFT)
☐ PDF ☐ EXCEL
☐ County DHS :
☐ Environmental Health Agency :
☐ OTHER:

SAMPLE INFORMATION

SAMPLED BY (PRINT): BURT SIVERLING

SIGNATURE: [signature]

☐ PUBLIC SYSTEM ☒ ROUTINE
☐ PRIVATE WELL ☐ REPEAT
☐ OTHER ☐ REPLACEMENT

TURN AROUND TIME: ☐ RUSH, DUE ON:
☒ STANDARD

SAMPLE TYPES:

SOLID:
BS – BIOSOLID
CR – CERAMIC
SL – SOIL/SOLID

LIQUID:
DW – DRINKING WATER
GW – GROUND WATER
OL – OIL
SF – SURFACE WATER
ST – STORM WATER
WW – WASTE WATER

PROJECT INFORMATION

CONTRACT/P.O. NO.:

PROJECT: Local Limits Testing

PROJECT NUMBER: Stratas Foods

ANALYSIS REQUESTED

LAB USE

NOTES ON RECEIVED CONDITION:
☐ CUSTODY SEAL(S) BROKEN ☐ SAMPLE(S) DAMAGED
☑ ON ICE ☐ AMBIENT TEMP. ☐ INCORRECT PRESERVATION

LAB USE	CLIENT SAMPLE ID	DATE	TIME	TYPE	As, Al, Ba, B, Cd, Cu, Cr, Fe	Hg, Mo, Ni, Pb, Ag, Se, Zn	Ec, BOD, TSS	Ammonia, TKP	Cl, NO3-N, NO2-N, TDS, MBAS	EPA 624 Benzene	EPA 625 Phenols	EPA 1664 Oil and Grease	Cyanide		
1	STRADAS	10/19	2:00 PM	WW G	X	X	X	X	X	X	X	X	X		

Comments:

PH TAKEN AT TIME OF SAMPLING 2:05 PM
PH 7.20

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY
BURT S	MALAGA CWD	10/9/15	1508	[signature]	[signature]

Moore Twining Associates

Sample Integrity — Page 2 of 2 — WO# BJ190J1 — MTA Bottles: Yes or No

COC Info				
Was temperature within range? Chemistry ≤6°C Micro <10°C Temp_____°C	Yes No N/A	Did all bottle labels agree with COC?	Yes No N/A	Were there bubbles in VOA vials? (**Volatiles Only**) Yes No N/A
If samples were taken today, is there evidence that chilling has begun? Recvd 5.1 C°	Yes No N/A	Was a sufficient amount of sample received?	Yes No N/A	Was PM notified of discrepancies? PM: By/Time: Yes No N/A
Did all bottles arrive unbroken and intact?	Yes No N/A	Were correct containers and preservatives received for the tests requested?	Yes No N/A	
Do samples have a hold time <72 hours?	Yes No N/A			

Bottles Received		
125ml (A) 250ml (B) 1Liter (C) 40ml VOA (V)	1	
Bacti $Na_2S_2O_3$		
None (P)	4c	
Cr6 Buffer (P) Borate Carbonate Buffer		
HNO_3 (P)	1A	
H_2SO_4 (P)	1A	
NaOH (P)	1A	
NaOH+ZnAc (P)		
Dissolved Oxygen 300ml (P)		
None (AG)	1C	
None (CG) 500ml		
$Na_2S_2O_3$ 250ml (Brown P) 549		
$Na_2S_2O_3$ (AG)		
$Na_2S_2O_3$ (AG)		
Thio/K Citrate		
NH_4Cl (AG) 552		
HCl (AG)	3V/1C	
None (CG) 500ml		
H_3PO_4 (AG)		
Other:		
Plastic Bag		
Low Level Hg/Metals Double Bag		
Client Own		
Glass Jar: 125/ 250/ 500		
Soil Tube: Brass/ Steel/ Plastic		
5 g Encore		

Comments

Filter or Split	Container	Preservative	Date/Time/Initials
S P F			
S P F			
S P F			
S P F			
S P F			

Labeled by: [illegible] @ 1532 Labels checked by: [illegible] @ 1600

FL-SC-0003-06

SIU Annual Sampling Results: Rio Bravo

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate # 1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

November 03, 2015

Work Order #: BJ20013

Jim Anderson
Malaga County Water District
3580 S. Frank
Fresno, CA 93725

RE: Local Limits Testing

Enclosed are the analytical results for samples received by our laboratory on 10/20/15 . For your reference, these analyses have been assigned laboratory work order number BJ20013 .

All analyses have been performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, Moore Twining Associates, Inc. (MTA) is not responsible for use of less than complete reports. Results apply only to samples analyzed.

If you have any questions, please feel free to contact us at the number listed above.

Sincerely,

Moore Twining Associates, Inc.

Lisa Montijo
Client Services Representative

MOORE TWINING ASSOCIATES, INC.

2527 Fresno Street
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(559) 268-7021 Phone
(559) 268-0740 Fax

California ELAP Certificate # 1371

Malaga County Water District
3580 S. Frank
Fresno CA, 93725

Project: Local Limits Testing
Project Number: Rio Bravo
Project Manager: Jim Anderson

Reported:
11/3/15

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Rio Bravo	BJ20013-01	Waste Water	10/20/15 10:00	10/20/15 11:50
Rio Bravo	BJ20013-02	Waste Water	10/20/15 00:00	10/20/15 11:50

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California ELAP Certificate # 1371

Malaga County Water District
3580 S. Frank
Fresno CA, 93725

Project: Local Limits Testing
Project Number: Rio Bravo
Project Manager: Jim Anderson

Reported:
11/3/15

Rio Bravo

BJ20013-01 (Waste Water)

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Inorganics										
Ammonia as N	**0.33**	1.0	0.038	mg/L	1	U5J2608	10/26/15	11/02/15	EPA 350.1	**J**
Biochemical Oxygen Demand	**4.5**	3.0	3.0	mg/L	3	U5J2029	10/21/15	10/26/15	SM5210B	
Chloride	**30**	4.0	0.037	mg/L	2	U5J2022	10/20/15	10/20/15	EPA 300.0	
Specific Conductance (EC)	**990**	1.0	0.26	µS/cm	1	U5J2032	10/20/15	10/20/15	SM2510B	
Methylene Blue Active Substances	ND	0.050	0.031	mg/L	1	U5J2103	10/21/15	10/21/15	SM5540C	
Nitrate as Nitrogen	**8.6**	0.90	0.0080	mg/L	2	[CALC]	10/20/15	10/20/15	EPA 300.0	
Nitrate as NO3	**38**	4.0	0.035	mg/L	2	U5J2022	10/20/15	10/20/15	EPA 300.0	
Nitrite as N	ND	0.60	0.021	mg/L	2	U5J2022	10/20/15	10/20/15	EPA 300.0	
Phosphorus	**2.2**	0.50	0.011	mg/L	1	U5J2012	10/20/15	10/28/15	EPA 365.4	
Total Dissolved Solids	**680**	10	8.1	mg/L	1	U5J2108	10/21/15	10/22/15	SM 2540C	
Total Suspended Solids	**18**	4.0	0.23	mg/L	1	U5J2110	10/21/15	10/21/15	SM 2540D	
Metals - Totals										
Aluminum	**0.40**	0.050	0.0072	mg/L	1	U5J2104	10/28/15	11/02/15	EPA 200.7	
Arsenic	**0.012**	0.010	0.0023	mg/L	1	U5J2104	10/28/15	11/02/15	EPA 200.7	
Barium	**0.11**	0.010	0.00013	mg/L	1	U5J2104	10/28/15	11/02/15	EPA 200.7	
Boron	**0.094**	0.050	0.00083	mg/L	1	U5J2104	10/28/15	11/02/15	EPA 200.7	
Cadmium	ND	0.0010	0.00020	mg/L	1	U5J2104	10/28/15	11/02/15	EPA 200.7	
Chromium	**0.014**	0.0050	0.00091	mg/L	1	U5J2104	10/28/15	11/02/15	EPA 200.7	
Copper	**0.024**	0.0050	0.00095	mg/L	1	U5J2104	10/28/15	11/02/15	EPA 200.7	
Iron	**0.60**	0.10	0.017	mg/L	1	U5J2104	10/28/15	11/02/15	EPA 200.7	
Lead	ND	0.0050	0.0014	mg/L	1	U5J2104	10/28/15	11/02/15	EPA 200.7	
Mercury	ND	0.20	0.035	µg/L	1	U5J2119	10/22/15	10/22/15	EPA 245.2	
Molybdenum	**0.0095**	0.0050	0.00075	mg/L	1	U5J2104	10/28/15	11/02/15	EPA 200.7	
Nickel	**0.0029**	0.0050	0.00051	mg/L	1	U5J2104	10/28/15	11/02/15	EPA 200.7	**J**
Selenium	**0.014**	0.020	0.0018	mg/L	1	U5J2104	10/28/15	11/02/15	EPA 200.7	**J**
Silver	ND	0.0050	0.0011	mg/L	1	U5J2104	10/28/15	11/02/15	EPA 200.7	
Zinc	**0.058**	0.0050	0.00080	mg/L	1	U5J2104	10/28/15	11/02/15	EPA 200.7	

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3580 S. Frank
Fresno CA, 93725

Project: Local Limits Testing
Project Number: Rio Bravo
Project Manager: Jim Anderson

Reported:
11/3/15

Rio Bravo

BJ20013-02 (Waste Water)

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Inorganics										
Cyanide (total)	ND	5.0	2.8	µg/L	1	U5J2208	10/26/15	10/26/15	SM4500CN-E	
Semi-Volatile Organics										
Phenol	ND	5.0	0.63	µg/L	1	U5J2202	10/22/15	10/24/15	EPA 625	
2-Chlorophenol	ND	5.0	0.69	µg/L	1	U5J2202	10/22/15	10/24/15	EPA 625	
2-Methylphenol	ND	5.0	0.93	µg/L	1	U5J2202	10/22/15	10/24/15	EPA 625	
3-Methylphenol	ND	5.0	0.96	µg/L	1	U5J2202	10/22/15	10/24/15	EPA 625	
4-Methylphenol	ND	5.0	1.1	µg/L	1	U5J2202	10/22/15	10/24/15	EPA 625	
2-Nitrophenol	ND	5.0	1.3	µg/L	1	U5J2202	10/22/15	10/24/15	EPA 625	
2,4-Dimethylphenol	ND	5.0	1.2	µg/L	1	U5J2202	10/22/15	10/24/15	EPA 625	
2,4-Dichlorophenol	ND	5.0	0.79	µg/L	1	U5J2202	10/22/15	10/24/15	EPA 625	
2,6-Dichlorophenol	ND	5.0	0.59	µg/L	1	U5J2202	10/22/15	10/24/15	EPA 625	
4-Chloro-3-methylphenol	ND	5.0	0.57	µg/L	1	U5J2202	10/22/15	10/24/15	EPA 625	
2,4,5-Trichlorophenol	ND	5.0	2.3	µg/L	1	U5J2202	10/22/15	10/24/15	EPA 625	
2,4,6-Trichlorophenol	ND	5.0	2.5	µg/L	1	U5J2202	10/22/15	10/24/15	EPA 625	
2,4-Dinitrophenol	ND	5.0	1.9	µg/L	1	U5J2202	10/22/15	10/24/15	EPA 625	
4-Nitrophenol	ND	5.0	1.6	µg/L	1	U5J2202	10/22/15	10/24/15	EPA 625	
2,3,4,6-Tetrachlorophenol	ND	5.0	0.59	µg/L	1	U5J2202	10/22/15	10/24/15	EPA 625	
4,6-Dinitro-2-methylphenol	ND	5.0	0.51	µg/L	1	U5J2202	10/22/15	10/24/15	EPA 625	
Pentachlorophenol	ND	5.0	1.3	µg/L	1	U5J2202	10/22/15	10/24/15	EPA 625	
Surrogate: 2-Fluorophenol	*42.5 %*	*22-92*				*U5J2202*	*10/22/15*	*10/24/15*	*EPA 625*	
Surrogate: Phenol-d5	*29.4 %*	*10-94*				*U5J2202*	*10/22/15*	*10/24/15*	*EPA 625*	
Surrogate: 2,4,6-Tribromophenol	*75.8 %*	*49-138*				*U5J2202*	*10/22/15*	*10/24/15*	*EPA 625*	
Total Oil & Grease (HEM)	**0.87**	1.0	0.17	mg/L	1	U5J2210	10/22/15	10/26/15	EPA 1664A	**J**
Volatile Organics										
Chloromethane	ND	0.50	0.16	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
Vinyl chloride	ND	0.50	0.16	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
Bromomethane	ND	1.0	0.32	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
Chloroethane	ND	0.50	0.16	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
Trichlorofluoromethane (CFC-11)	ND	0.50	0.13	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
Trichlorotrifluoroethane (CFC-113)	ND	1.0	0.11	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
1,1-Dichloroethene	ND	0.50	0.14	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
Acrolein	ND	10	1.5	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
Methylene chloride	ND	1.0	0.20	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
trans-1,2-Dichloroethene	ND	0.50	0.11	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.36	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	

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Project Manager: Jim Anderson

Reported:
11/3/15

Rio Bravo

BJ20013-02 (Waste Water)

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics										
1,1-Dichloroethane	ND	0.50	0.12	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
Acrylonitrile	ND	5.0	2.9	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
cis-1,2-Dichloroethene	ND	0.50	0.15	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
Chloroform	ND	0.50	0.14	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
Carbon tetrachloride	ND	0.50	0.16	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
1,1,1-Trichloroethane (TCA)	ND	0.50	0.16	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
1,1-Dichloropropene	ND	0.50	0.12	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
Benzene	ND	0.50	0.10	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
1,2-Dichloroethane (1,2-DCA)	ND	0.50	0.10	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
Trichloroethene (TCE)	ND	0.50	0.17	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
1,2-Dichloropropane	ND	0.50	0.10	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
Bromodichloromethane	ND	0.50	0.13	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
2-Chloroethylvinyl ether	ND	1.0	0.33	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
cis-1,3-Dichloropropene	ND	0.50	0.11	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
Toluene	ND	0.50	0.27	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
Tetrachloroethene (PCE)	ND	0.50	0.12	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
1,1,2-Trichloroethane	ND	0.50	0.12	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
Dibromochloromethane	ND	0.50	0.11	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
1,2-Dibromoethane (EDB)	ND	0.50	0.22	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
Ethylbenzene	ND	0.50	0.10	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
Chlorobenzene	ND	0.50	0.10	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
1,1,1,2-Tetrachloroethane	ND	0.50	0.12	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
m,p-Xylene	ND	1.0	0.20	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
o-Xylene	ND	0.50	0.10	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
Styrene	ND	0.50	0.10	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
Bromoform	ND	1.0	0.12	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
1,1,2,2-Tetrachloroethane	ND	1.0	0.21	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
1,2,3-Trichloropropane (123TCP)	ND	0.50	0.29	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
1,3-Dichlorobenzene	ND	0.50	0.040	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
1,4-Dichlorobenzene	ND	0.50	0.10	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
1,2-Dichlorobenzene	ND	0.50	0.12	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
1,2,4-Trichlorobenzene	ND	1.0	0.10	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
Hexachlorobutadiene	ND	1.0	0.10	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
Naphthalene	ND	0.50	0.15	µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	
Xylenes	ND	2.0		µg/L	1	U5J2129	10/21/15	10/22/15	EPA 624	

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Project: Local Limits Testing
Project Number: Rio Bravo
Project Manager: Jim Anderson

Reported:
11/3/15

Rio Bravo

BJ20013-02 (Waste Water)

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics										
Surrogate: 4-Bromofluorobenzene	*96.8 %*	*70-130*				*U5J2129*	*10/21/15*	*10/22/15*	*EPA 624*	
Surrogate: Dibromofluoromethane	*100 %*	*70-130*				*U5J2129*	*10/21/15*	*10/22/15*	*EPA 624*	
Surrogate: Toluene-d8	*102 %*	*70-130*				*U5J2129*	*10/21/15*	*10/22/15*	*EPA 624*	

Notes and Definitions

RPD3	The RPD is out of range for this spike and its duplicate due to a low or high bias of one of the two spikes.
MS2	Recovery for this analyte was biased high; associated blank spike recoveries are within range.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag). Same as DNQ - Detected, but Not Quantified.
BS2	Recovery for this analyte was biased low. Results were accepted based on duplicate results.
BLK01	Detected in the blank; associated samples were ND.
ND	Analyte NOT DETECTED at or above the Method Detection Limit (MDL)
NR	Not Reported
RPD	Relative Percent Difference
MDL	Method Detection Limit

Analysis of pH, filtration, and residual chlorine is to take place immediately after sampling in the field.
If the test was performed in the laboratory, the hold time was exceeded. **(for aqueous matrices only)**

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Inorganics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J2012										
Blank (U5J2012-BLK1)				Prepared: 10/20/15 Analyzed: 10/28/15						
Phosphorus	0.0351	0.50	mg/L							J
LCS (U5J2012-BS1)				Prepared: 10/20/15 Analyzed: 10/28/15						
Phosphorus	6.97	0.50	mg/L	7.50		92.9	80-120		20	
LCS Dup (U5J2012-BSD1)				Prepared: 10/20/15 Analyzed: 10/28/15						
Phosphorus	6.64	0.50	mg/L	7.50		88.5	80-120	4.82	20	
Matrix Spike (U5J2012-MS1)		**Source: BJ15026-01**		Prepared: 10/20/15 Analyzed: 10/28/15						
Phosphorus	78.4	5.0	mg/L	75.0	5.83	96.8	80-120		20	
Matrix Spike Dup (U5J2012-MSD1)		**Source: BJ15026-01**		Prepared: 10/20/15 Analyzed: 10/28/15						
Phosphorus	76.2	5.0	mg/L	75.0	5.83	93.8	80-120	2.90	20	
Batch U5J2022										
Blank (U5J2022-BLK1)				Prepared & Analyzed: 10/20/15						
Chloride	0.123	2.0	mg/L							J
Nitrite as N	ND	0.30	mg/L							
Nitrate as NO3	ND	2.0	mg/L							
LCS (U5J2022-BS1)				Prepared & Analyzed: 10/20/15						
Chloride	47.1	2.0	mg/L	50.0		94.2	90-110		20	
Nitrite as N	4.73	0.30	mg/L	5.00		94.6	90-110		20	
Nitrate as NO3	48.0	2.0	mg/L	50.0		96.1	90-110		20	
LCS Dup (U5J2022-BSD1)				Prepared & Analyzed: 10/20/15						
Chloride	47.6	2.0	mg/L	50.0		95.2	90-110	1.09	20	
Nitrite as N	4.80	0.30	mg/L	5.00		96.0	90-110	1.43	20	
Nitrate as NO3	48.2	2.0	mg/L	50.0		96.4	90-110	0.300	20	
Matrix Spike (U5J2022-MS1)		**Source: BJ19020-01**		Prepared & Analyzed: 10/20/15						
Chloride	216	8.0	mg/L	200	31.0	92.5	48-147		15	
Nitrite as N	18.9	1.2	mg/L	20.0	ND	94.6	80-120		20	
Nitrate as NO3	207	8.0	mg/L	200	24.4	91.1	70-130		20	
Matrix Spike (U5J2022-MS2)		**Source: BJ20001-06**		Prepared & Analyzed: 10/20/15						
Nitrite as N	19.0	1.2	mg/L	20.0	ND	94.8	80-120		20	
Chloride	196	8.0	mg/L	200	9.16	93.6	48-147		15	
Nitrate as NO3	232	8.0	mg/L	200	47.3	92.4	70-130		20	
Matrix Spike Dup (U5J2022-MSD1)		**Source: BJ19020-01**		Prepared & Analyzed: 10/20/15						
Chloride	216	8.0	mg/L	200	31.0	92.6	48-147	0.133	15	

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Inorganics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J2022										
Matrix Spike Dup (U5J2022-MSD1)		**Source: BJ19020-01**		Prepared & Analyzed: 10/20/15						
Nitrite as N	18.8	1.2	mg/L	20.0	ND	94.2	80-120	0.502	20	
Nitrate as NO3	207	8.0	mg/L	200	24.4	91.5	70-130	0.359	20	
Matrix Spike Dup (U5J2022-MSD2)		**Source: BJ20001-06**		Prepared & Analyzed: 10/20/15						
Nitrite as N	19.0	1.2	mg/L	20.0	ND	95.1	80-120	0.318	20	
Chloride	196	8.0	mg/L	200	9.16	93.5	48-147	0.0950	15	
Nitrate as NO3	233	8.0	mg/L	200	47.3	93.0	70-130	0.531	20	
Batch U5J2029										
Blank (U5J2029-BLK1)				Prepared: 10/21/15 Analyzed: 10/26/15						
Biochemical Oxygen Demand	ND	1.0	mg/L							
LCS (U5J2029-BS1)				Prepared: 10/21/15 Analyzed: 10/26/15						
Biochemical Oxygen Demand	166	50	mg/L	198		83.7	85-115		20	BS2
LCS Dup (U5J2029-BSD1)				Prepared: 10/21/15 Analyzed: 10/26/15						
Biochemical Oxygen Demand	196	50	mg/L	198		99.1	85-115	16.9	20	
Duplicate (U5J2029-DUP1)		**Source: BJ20015-01**		Prepared: 10/21/15 Analyzed: 10/26/15						
Biochemical Oxygen Demand	442	100	mg/L		391			12.2	20	
Duplicate (U5J2029-DUP2)		**Source: BJ20025-01**		Prepared: 10/21/15 Analyzed: 10/26/15						
Biochemical Oxygen Demand	240	100	mg/L		271			12.1	20	
Batch U5J2032										
Blank (U5J2032-BLK1)				Prepared & Analyzed: 10/20/15						
Specific Conductance (EC)	ND	1.0	µS/cm							
LCS (U5J2032-BS1)				Prepared & Analyzed: 10/20/15						
Specific Conductance (EC)	534	1.0	µS/cm	500		107	80-120		20	
LCS Dup (U5J2032-BSD1)				Prepared & Analyzed: 10/20/15						
Specific Conductance (EC)	536	1.0	µS/cm	500		107	80-120	0.380	20	
Duplicate (U5J2032-DUP1)		**Source: BJ20016-01**		Prepared & Analyzed: 10/20/15						
Specific Conductance (EC)	944	1.0	µS/cm		952			0.857	20	
Duplicate (U5J2032-DUP2)		**Source: BJ20044-01**		Prepared: 10/20/15 Analyzed: 10/21/15						
Specific Conductance (EC)	1270	1.0	µS/cm		1260			0.320	20	
Batch U5J2103										
Blank (U5J2103-BLK1)				Prepared & Analyzed: 10/21/15						
Methylene Blue Active Substances	0.101	0.050	mg/L							BLK01

Moore Twining Associates, Inc.
Juliane Adams, Director of Analytical Chemistry

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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Inorganics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J2103										
LCS (U5J2103-BS1)				Prepared & Analyzed: 10/21/15						
Methylene Blue Active Substances	1.13	0.050	mg/L	1.00		113	80-120		20	
LCS Dup (U5J2103-BSD1)				Prepared & Analyzed: 10/21/15						
Methylene Blue Active Substances	1.13	0.050	mg/L	1.00		113	80-120	0.177	20	
Matrix Spike (U5J2103-MS1)		**Source: BJ20048-01**		Prepared & Analyzed: 10/21/15						
Methylene Blue Active Substances	0.965	0.050	mg/L	1.00	ND	96.5	80-120		20	
Matrix Spike Dup (U5J2103-MSD1)		**Source: BJ20048-01**		Prepared & Analyzed: 10/21/15						
Methylene Blue Active Substances	0.982	0.050	mg/L	1.00	ND	98.2	80-120	1.75	20	
Batch U5J2108										
Blank (U5J2108-BLK1)				Prepared: 10/21/15 Analyzed: 10/22/15						
Total Dissolved Solids	ND	10	mg/L							
LCS (U5J2108-BS1)				Prepared: 10/21/15 Analyzed: 10/22/15						
Total Dissolved Solids	241	10	mg/L	240		100	80-120		20	
LCS Dup (U5J2108-BSD1)				Prepared: 10/21/15 Analyzed: 10/22/15						
Total Dissolved Solids	251	10	mg/L	240		105	80-120	4.07	20	
Duplicate (U5J2108-DUP1)		**Source: BJ14033-02**		Prepared: 10/21/15 Analyzed: 10/22/15						
Total Dissolved Solids	248	10	mg/L		248			0.00	20	
Duplicate (U5J2108-DUP2)		**Source: BJ14033-04**		Prepared: 10/21/15 Analyzed: 10/22/15						
Total Dissolved Solids	552	10	mg/L		533			3.41	20	
Batch U5J2110										
Blank (U5J2110-BLK1)				Prepared & Analyzed: 10/21/15						
Total Suspended Solids	0.400	4.0	mg/L							J
Duplicate (U5J2110-DUP1)		**Source: BJ19024-01**		Prepared & Analyzed: 10/21/15						
Total Suspended Solids	48	20	mg/L		49			2.06	20	
Duplicate (U5J2110-DUP2)		**Source: BJ19024-02**		Prepared & Analyzed: 10/21/15						
Total Suspended Solids	28	10	mg/L		26			5.61	20	
Batch U5J2208										
Blank (U5J2208-BLK1)				Prepared & Analyzed: 10/26/15						
Cyanide (total)	ND	5.0	µg/L							
LCS (U5J2208-BS1)				Prepared & Analyzed: 10/26/15						
Cyanide (total)	49.0	5.0	µg/L	50.0		98.0	80-120		20	

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Project: Local Limits Testing
Project Number: Rio Bravo
Project Manager: Jim Anderson

Reported:
11/3/15

Inorganics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J2208										
LCS Dup (U5J2208-BSD1)				Prepared & Analyzed: 10/26/15						
Cyanide (total)	46.3	5.0	µg/L	50.0		92.6	80-120	5.67	20	
Matrix Spike (U5J2208-MS1)		**Source: BJ13090-02**		Prepared & Analyzed: 10/26/15						
Cyanide (total)	48.1	5.0	µg/L	50.0	ND	96.2	80-120		20	
Matrix Spike Dup (U5J2208-MSD1)		**Source: BJ13090-02**		Prepared & Analyzed: 10/26/15						
Cyanide (total)	48.1	5.0	µg/L	50.0	ND	96.2	80-120	0.00	20	
Batch U5J2608										
Blank (U5J2608-BLK1)				Prepared: 10/26/15 Analyzed: 11/02/15						
Ammonia as N	0.0847	1.0	mg/L							J
LCS (U5J2608-BS1)				Prepared: 10/26/15 Analyzed: 11/02/15						
Ammonia as N	22.3	1.0	mg/L	22.5		99.1	80-120		20	
LCS Dup (U5J2608-BSD1)				Prepared: 10/26/15 Analyzed: 11/02/15						
Ammonia as N	21.7	1.0	mg/L	22.5		96.4	80-120	2.82	20	
Matrix Spike (U5J2608-MS1)		**Source: BJ20041-04**		Prepared: 10/26/15 Analyzed: 11/02/15						
Ammonia as N	21.7	1.0	mg/L	22.5	0.420	94.8	80-120		20	
Matrix Spike (U5J2608-MS2)		**Source: BJ20042-02**		Prepared: 10/26/15 Analyzed: 11/02/15						
Ammonia as N	23.5	1.0	mg/L	22.5	0.0536	104	80-120		20	
Matrix Spike Dup (U5J2608-MSD1)		**Source: BJ20041-04**		Prepared: 10/26/15 Analyzed: 11/02/15						
Ammonia as N	22.2	1.0	mg/L	22.5	0.420	96.6	80-120	1.91	20	
Matrix Spike Dup (U5J2608-MSD2)		**Source: BJ20042-02**		Prepared: 10/26/15 Analyzed: 11/02/15						
Ammonia as N	23.0	1.0	mg/L	22.5	0.0536	102	80-120	2.07	20	

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Project Number: Rio Bravo
Project Manager: Jim Anderson

Reported:
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Metals - Totals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J2104										
Blank (U5J2104-BLK1)				Prepared: 10/28/15 Analyzed: 11/02/15						
Boron	0.0153	0.050	mg/L							J
Barium	ND	0.010	mg/L							
Nickel	0.000940	0.0050	mg/L							J
Chromium	ND	0.0050	mg/L							
Iron	ND	0.10	mg/L							
Lead	ND	0.0050	mg/L							
Cadmium	0.000326	0.0010	mg/L							J
Zinc	ND	0.0050	mg/L							
Molybdenum	ND	0.0050	mg/L							
Selenium	0.00371	0.020	mg/L							J
Aluminum	ND	0.050	mg/L							
Copper	ND	0.0050	mg/L							
Silver	ND	0.0050	mg/L							
Arsenic	ND	0.010	mg/L							
LCS (U5J2104-BS1)				Prepared: 10/28/15 Analyzed: 11/02/15						
Silver	0.105	0.0050	mg/L	0.100		105	85-115		20	
Nickel	0.106	0.0050	mg/L	0.100		106	85-115		20	
Lead	0.101	0.0050	mg/L	0.100		101	85-115		20	
Iron	2.03	0.10	mg/L	2.00		102	85-115		20	
Selenium	0.373	0.020	mg/L	0.400		93.3	85-115		20	
Chromium	0.100	0.0050	mg/L	0.100		100	85-115		20	
Copper	0.0990	0.0050	mg/L	0.100		99.0	85-115		20	
Arsenic	0.193	0.010	mg/L	0.200		96.5	85-115		20	
Aluminum	0.942	0.050	mg/L	1.00		94.2	85-115		20	
Molybdenum	0.0970	0.0050	mg/L	0.100		97.0	85-115		20	
Cadmium	0.0202	0.0010	mg/L	0.0200		101	85-115		20	
Zinc	0.105	0.0050	mg/L	0.100		105	85-115		20	
Boron	0.961	0.050	mg/L	1.00		96.1	85-115		20	
Barium	0.198	0.010	mg/L	0.200		99.2	85-115		20	
LCS Dup (U5J2104-BSD1)				Prepared: 10/28/15 Analyzed: 11/02/15						
Nickel	0.106	0.0050	mg/L	0.100		106	85-115	0.00492	20	
Silver	0.105	0.0050	mg/L	0.100		105	85-115	0.0818	20	
Chromium	0.100	0.0050	mg/L	0.100		100	85-115	0.137	20	
Selenium	0.373	0.020	mg/L	0.400		93.2	85-115	0.0523	20	
Copper	0.0983	0.0050	mg/L	0.100		98.3	85-115	0.662	20	

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Reported:
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Metals - Totals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J2104										
LCS Dup (U5J2104-BSD1)				Prepared: 10/28/15 Analyzed: 11/02/15						
Barium	0.199	0.010	mg/L	0.200		99.6	85-115	0.430	20	
Aluminum	0.948	0.050	mg/L	1.00		94.8	85-115	0.686	20	
Lead	0.102	0.0050	mg/L	0.100		102	85-115	1.39	20	
Cadmium	0.0205	0.0010	mg/L	0.0200		103	85-115	1.25	20	
Zinc	0.107	0.0050	mg/L	0.100		107	85-115	1.46	20	
Iron	2.04	0.10	mg/L	2.00		102	85-115	0.459	20	
Boron	0.982	0.050	mg/L	1.00		98.2	85-115	2.15	20	
Arsenic	0.193	0.010	mg/L	0.200		96.6	85-115	0.176	20	
Molybdenum	0.0964	0.0050	mg/L	0.100		96.4	85-115	0.550	20	
Matrix Spike (U5J2104-MS1)		**Source: BJ20041-07**		Prepared: 10/28/15 Analyzed: 11/02/15						
Nickel	0.196	0.010	mg/L	0.200	0.00179	96.9	70-130		20	
Barium	0.668	0.020	mg/L	0.400	0.267	100	70-130		20	
Zinc	0.201	0.010	mg/L	0.200	0.00532	98.0	70-130		20	RPD3
Aluminum	1.89	0.10	mg/L	2.00	ND	94.5	70-130		20	
Arsenic	0.397	0.020	mg/L	0.400	0.00521	97.9	70-130		20	
Lead	0.195	0.010	mg/L	0.200	ND	97.3	70-130		20	
Iron	4.03	0.20	mg/L	4.00	0.0343	99.9	70-130		20	
Selenium	0.725	0.040	mg/L	0.800	0.0151	88.7	70-130		20	
Copper	0.180	0.010	mg/L	0.200	ND	89.9	70-130		20	
Silver	0.200	0.010	mg/L	0.200	ND	100	70-130		20	
Molybdenum	0.200	0.010	mg/L	0.200	0.00274	98.4	70-130		20	
Cadmium	0.0397	0.0020	mg/L	0.0400	ND	99.3	70-130		20	
Chromium	0.206	0.010	mg/L	0.200	0.00347	101	70-130		20	
Boron	2.07	0.10	mg/L	2.00	0.0865	99.3	70-130		20	
Matrix Spike (U5J2104-MS2)		**Source: BJ20041-08**		Prepared: 10/28/15 Analyzed: 11/02/15						
Lead	0.195	0.010	mg/L	0.200	ND	97.3	70-130		20	
Iron	4.16	0.20	mg/L	4.00	0.0739	102	70-130		20	
Copper	0.182	0.010	mg/L	0.200	0.00114	91.1	70-130		20	
Barium	0.546	0.020	mg/L	0.400	0.147	99.7	70-130		20	
Boron	2.36	0.10	mg/L	2.00	0.332	102	70-130		20	
Nickel	0.203	0.010	mg/L	0.200	0.00811	97.5	70-130		20	
Cadmium	0.0397	0.0020	mg/L	0.0400	ND	99.4	70-130		20	
Molybdenum	0.212	0.010	mg/L	0.200	0.00947	101	70-130		20	
Chromium	0.201	0.010	mg/L	0.200	ND	101	70-130		20	
Zinc	0.202	0.010	mg/L	0.200	0.00321	99.3	70-130		20	

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Project: Local Limits Testing
Project Number: Rio Bravo
Project Manager: Jim Anderson

Reported:
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Metals - Totals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J2104										
Matrix Spike (U5J2104-MS2)		**Source: BJ20041-08**		Prepared: 10/28/15 Analyzed: 11/02/15						
Aluminum	1.97	0.10	mg/L	2.00	0.0405	96.3	70-130		20	
Arsenic	0.414	0.020	mg/L	0.400	ND	104	70-130		20	
Selenium	0.706	0.040	mg/L	0.800	0.00570	87.6	70-130		20	
Silver	0.197	0.010	mg/L	0.200	ND	98.5	70-130		20	
Matrix Spike Dup (U5J2104-MSD1)		**Source: BJ20041-07**		Prepared: 10/28/15 Analyzed: 11/02/15						
Lead	0.197	0.010	mg/L	0.200	ND	98.4	70-130	1.10	20	
Iron	4.08	0.20	mg/L	4.00	0.0343	101	70-130	1.19	20	
Arsenic	0.407	0.020	mg/L	0.400	0.00521	100	70-130	2.54	20	
Molybdenum	0.203	0.010	mg/L	0.200	0.00274	100	70-130	1.60	20	
Copper	0.183	0.010	mg/L	0.200	ND	91.7	70-130	1.94	20	
Chromium	0.208	0.010	mg/L	0.200	0.00347	102	70-130	1.07	20	
Silver	0.203	0.010	mg/L	0.200	ND	101	70-130	1.18	20	
Barium	0.660	0.020	mg/L	0.400	0.267	98.2	70-130	1.25	20	
Selenium	0.736	0.040	mg/L	0.800	0.0151	90.2	70-130	1.57	20	
Boron	2.12	0.10	mg/L	2.00	0.0865	102	70-130	2.20	20	
Aluminum	1.90	0.10	mg/L	2.00	ND	95.0	70-130	0.510	20	
Nickel	0.196	0.010	mg/L	0.200	0.00179	97.1	70-130	0.155	20	
Zinc	0.335	0.010	mg/L	0.200	0.00532	165	70-130	49.7	20	MS2, RPD3
Cadmium	0.0396	0.0020	mg/L	0.0400	ND	98.9	70-130	0.400	20	
Matrix Spike Dup (U5J2104-MSD2)		**Source: BJ20041-08**		Prepared: 10/28/15 Analyzed: 11/02/15						
Molybdenum	0.212	0.010	mg/L	0.200	0.00947	101	70-130	0.114	20	
Zinc	0.202	0.010	mg/L	0.200	0.00321	99.6	70-130	0.257	20	
Cadmium	0.0395	0.0020	mg/L	0.0400	ND	98.7	70-130	0.627	20	
Arsenic	0.418	0.020	mg/L	0.400	ND	104	70-130	0.914	20	
Selenium	0.708	0.040	mg/L	0.800	0.00570	87.8	70-130	0.308	20	
Iron	4.07	0.20	mg/L	4.00	0.0739	99.8	70-130	2.22	20	
Boron	2.33	0.10	mg/L	2.00	0.332	99.9	70-130	1.47	20	
Chromium	0.198	0.010	mg/L	0.200	ND	98.9	70-130	1.85	20	
Copper	0.177	0.010	mg/L	0.200	0.00114	88.5	70-130	2.91	20	
Lead	0.192	0.010	mg/L	0.200	ND	96.1	70-130	1.33	20	
Silver	0.196	0.010	mg/L	0.200	ND	98.1	70-130	0.471	20	
Barium	0.545	0.020	mg/L	0.400	0.147	99.5	70-130	0.152	20	
Aluminum	1.89	0.10	mg/L	2.00	0.0405	92.5	70-130	4.00	20	
Nickel	0.202	0.010	mg/L	0.200	0.00811	97.1	70-130	0.314	20	

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Reported:
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Metals - Totals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J2119										
Blank (U5J2119-BLK1)				Prepared & Analyzed: 10/22/15						
Mercury	ND	0.20	µg/L							
LCS (U5J2119-BS1)				Prepared & Analyzed: 10/22/15						
Mercury	5.18	0.20	µg/L	5.00		104	80-120		20	
LCS Dup (U5J2119-BSD1)				Prepared & Analyzed: 10/22/15						
Mercury	5.13	0.20	µg/L	5.00		103	80-120	0.968	20	
Matrix Spike (U5J2119-MS1)		**Source: BJ15020-01**		Prepared & Analyzed: 10/22/15						
Mercury	157	6.0	µg/L	150	ND	105	70-130		20	
Matrix Spike Dup (U5J2119-MSD1)		**Source: BJ15020-01**		Prepared & Analyzed: 10/22/15						
Mercury	154	6.0	µg/L	150	ND	103	70-130	1.69	20	

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Semi-Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J2202										
Blank (U5J2202-BLK1)				Prepared: 10/22/15 Analyzed: 10/23/15						
Surrogate: 2-Fluorophenol	*55.2*		*µg/L*	*100*		*55.2*	*22-92*			
Surrogate: Phenol-d5	*60.6*		*µg/L*	*100*		*60.6*	*10-94*			
Surrogate: 2,4,6-Tribromophenol	*71.9*		*µg/L*	*100*		*71.9*	*49-138*			
Phenol	ND	5.0	µg/L							
2-Chlorophenol	ND	5.0	µg/L							
2-Methylphenol	ND	5.0	µg/L							
3-Methylphenol	ND	5.0	µg/L							
4-Methylphenol	ND	5.0	µg/L							
2-Nitrophenol	ND	5.0	µg/L							
2,4-Dimethylphenol	ND	5.0	µg/L							
2,4-Dichlorophenol	ND	5.0	µg/L							
2,6-Dichlorophenol	ND	5.0	µg/L							
4-Chloro-3-methylphenol	ND	5.0	µg/L							
2,4,5-Trichlorophenol	ND	5.0	µg/L							
2,4,6-Trichlorophenol	ND	5.0	µg/L							
2,4-Dinitrophenol	ND	5.0	µg/L							
4-Nitrophenol	ND	5.0	µg/L							
2,3,4,6-Tetrachlorophenol	ND	5.0	µg/L							
4,6-Dinitro-2-methylphenol	ND	5.0	µg/L							
Pentachlorophenol	ND	5.0	µg/L							
LCS (U5J2202-BS1)				Prepared: 10/22/15 Analyzed: 10/23/15						
Surrogate: 2-Fluorophenol	*55.6*		*µg/L*	*100*		*55.6*	*22-92*			
Surrogate: Phenol-d5	*60.6*		*µg/L*	*100*		*60.6*	*10-94*			
Surrogate: 2,4,6-Tribromophenol	*68.2*		*µg/L*	*100*		*68.2*	*49-138*			
Phenol	30.6	5.0	µg/L	50.0		61.2	5-112		20	
2-Chlorophenol	30.8	5.0	µg/L	50.0		61.6	23-134		20	
4-Chloro-3-methylphenol	31.2	5.0	µg/L	50.0		62.5	22-147		20	
LCS Dup (U5J2202-BSD1)				Prepared: 10/22/15 Analyzed: 10/24/15						
Surrogate: 2-Fluorophenol	*58.8*		*µg/L*	*100*		*58.8*	*22-92*			
Surrogate: Phenol-d5	*63.7*		*µg/L*	*100*		*63.7*	*10-94*			
Surrogate: 2,4,6-Tribromophenol	*71.7*		*µg/L*	*100*		*71.7*	*49-138*			
Phenol	32.8	5.0	µg/L	50.0		65.5	5-112	6.82	20	
2-Chlorophenol	32.9	5.0	µg/L	50.0		65.8	23-134	6.69	20	
4-Chloro-3-methylphenol	33.6	5.0	µg/L	50.0		67.2	22-147	7.32	20	
Batch U5J2210										

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Semi-Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J2210										
Blank (U5J2210-BLK1)				Prepared: 10/22/15 Analyzed: 10/26/15						
Total Oil & Grease (HEM)	ND	1.0	mg/L							
LCS (U5J2210-BS1)				Prepared: 10/22/15 Analyzed: 10/26/15						
Total Oil & Grease (HEM)	38.3	1.0	mg/L	40.0		95.8	78-114		20	
LCS Dup (U5J2210-BSD1)				Prepared: 10/22/15 Analyzed: 10/26/15						
Total Oil & Grease (HEM)	37.5	1.0	mg/L	40.0		93.8	78-114	2.11	20	

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11/3/15

Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J2129										
Blank (U5J2129-BLK1)				Prepared & Analyzed: 10/21/15						
Surrogate: 4-Bromofluorobenzene	*24.8*		*µg/L*	*25.0*		*99.4*	*70-130*			
Surrogate: Dibromofluoromethane	*24.9*		*µg/L*	*25.0*		*99.5*	*70-130*			
Surrogate: Toluene-d8	*25.2*		*µg/L*	*25.0*		*101*	*70-130*			
Chloromethane	ND	0.50	µg/L							
Vinyl chloride	ND	0.50	µg/L							
Bromomethane	ND	1.0	µg/L							
Chloroethane	ND	0.50	µg/L							
Trichlorofluoromethane (CFC-11)	ND	0.50	µg/L							
Trichlorotrifluoroethane (CFC-113)	ND	1.0	µg/L							
1,1-Dichloroethene	ND	0.50	µg/L							
Acrolein	ND	10	µg/L							
Methylene chloride	ND	1.0	µg/L							
trans-1,2-Dichloroethene	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
Acrylonitrile	ND	5.0	µg/L							
cis-1,2-Dichloroethene	ND	0.50	µg/L							
Chloroform	ND	0.50	µg/L							
Carbon tetrachloride	ND	0.50	µg/L							
1,1,1-Trichloroethane (TCA)	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
Benzene	ND	0.50	µg/L							
1,2-Dichloroethane (1,2-DCA)	ND	0.50	µg/L							
Trichloroethene (TCE)	ND	0.50	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
2-Chloroethylvinyl ether	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
Toluene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Tetrachloroethene (PCE)	ND	0.50	µg/L							
1,1,2-Trichloroethane	ND	0.50	µg/L							
Dibromochloromethane	ND	0.50	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Ethylbenzene	ND	0.50	µg/L							

MOORE TWINING ASSOCIATES, INC.

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

California ELAP Certificate # 1371

Malaga County Water District
3580 S. Frank
Fresno CA, 93725

Project: Local Limits Testing
Project Number: Rio Bravo
Project Manager: Jim Anderson

Reported:
11/3/15

Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J2129										
Blank (U5J2129-BLK1)				Prepared & Analyzed: 10/21/15						
Chlorobenzene	ND	0.50	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
m,p-Xylene	ND	1.0	µg/L							
o-Xylene	ND	0.50	µg/L							
Styrene	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	1.0	µg/L							
1,2,3-Trichloropropane (123TCP)	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	1.0	µg/L							
Naphthalene	ND	0.50	µg/L							
Xylenes	ND	2.0	µg/L							
LCS (U5J2129-BS1)				Prepared & Analyzed: 10/21/15						
Surrogate: 4-Bromofluorobenzene	*24.2*		*µg/L*	*25.0*		*97.0*	*70-130*			
Surrogate: Dibromofluoromethane	*24.8*		*µg/L*	*25.0*		*99.3*	*70-130*			
Surrogate: Toluene-d8	*25.3*		*µg/L*	*25.0*		*101*	*70-130*			
1,1-Dichloroethene	19.4	0.50	µg/L	19.8		97.7	70-130		20	
Benzene	18.4	0.50	µg/L	20.0		92.3	70-130		20	
Trichloroethene (TCE)	17.9	0.50	µg/L	20.0		89.6	70-130		20	
Toluene	18.9	0.50	µg/L	19.9		95.0	70-130		20	
Chlorobenzene	18.6	0.50	µg/L	20.0		92.8	70-130		20	
LCS Dup (U5J2129-BSD1)				Prepared & Analyzed: 10/21/15						
Surrogate: 4-Bromofluorobenzene	*24.7*		*µg/L*	*25.0*		*98.7*	*70-130*			
Surrogate: Dibromofluoromethane	*25.4*		*µg/L*	*25.0*		*102*	*70-130*			
Surrogate: Toluene-d8	*25.2*		*µg/L*	*25.0*		*101*	*70-130*			
1,1-Dichloroethene	18.6	0.50	µg/L	19.8		93.9	70-130	4.01	20	
Benzene	18.1	0.50	µg/L	20.0		90.5	70-130	1.92	20	
Trichloroethene (TCE)	17.4	0.50	µg/L	20.0		87.0	70-130	2.89	20	
Toluene	18.5	0.50	µg/L	19.9		92.8	70-130	2.41	20	
Chlorobenzene	18.3	0.50	µg/L	20.0		91.4	70-130	1.41	20	

MOORE TWINING ASSOCIATES, INC

CHAIN OF CUSTODY/ANALYSIS REQUEST

2527 FRESNO STREET • FRESNO, CA 93721 • PHONE (559) 268-7021 • FAX: (559) 268-0740

ANALYTICAL CHEMISTRY DIVISION
CALIFORNIA ELAP CERTIFICATION # 1371

WORK ORDER #: BJ20013
PAGE 1 OF 2

ATTENTION: Jim Anderson	ATTENTION:
NAME: Malaga County Water District	NAME:
ADDRESS: 3580 S. Frank	ADDRESS:
Fresno, CA 93725	
PHONE: (559) 485-7353	PHONE:
FAX: (559) 495-1070	FAX:

☐ STANDARD FORMAT
☐ EDT (STATE FORM)
☐ GEOTRACKER/COELT (LUFT)
☐ PDF ☐ EXCEL
☐ County DHS :
☐ Environmental Health Agency :
☐ OTHER:

SAMPLE INFORMATION

SAMPLED BY (PRINT): FRANK CROZ
SIGNATURE: Frank Croz

☐ PUBLIC SYSTEM ☒ ROUTINE
☐ PRIVATE WELL ☐ REPEAT
☐ OTHER ☐ REPLACEMENT

TURN AROUND TIME: ☐ RUSH, DUE ON:
☒ STANDARD

SAMPLE TYPES:

SOLID:
BS – BIOSOLID
CR – CERAMIC
SL – SOIL/SOLID

LIQUID:
DW – DRINKING WATER
GW – GROUND WATER
OL – OIL
SF – SURFACE WATER
ST – STORM WATER
WW – WASTE WATER

PROJECT INFORMATION

CONTRACT/P.O. NO.:
PROJECT: Local Limits Testing
PROJECT NUMBER: Rio Bravo

ANALYSIS REQUESTED

LAB USE

NOTES ON RECEIVED CONDITION:
☐ CUSTODY SEAL(S) BROKEN ☐ SAMPLE(S) DAMAGED
☐ ON ICE ☐ AMBIENT TEMP. ☐ INCORRECT PRESERVATION

	CLIENT SAMPLE ID	DATE	TIME	TYPE	As, Al, Ba, B, Cd, Cu, Cr, Fe	Hg, Mo, Ni, Pb, Ag, Se, Zn	Ec, BOD, TSS	Ammonia, TKP	Cl, NO3-N, NO2-N, TDS, MBAS	EPA 624 Benzene	EPA 625 Phenols	EPA 1664 Oil and Grease	Cyanide		
1	RIO - BRAVO	Start: 10/19/15 End: 10/20/15	Start: 10 AM End: 10 AM	WW Co	X	X	X	X	X						
2	RIO - BRAVO	10/20	10 AM	WW Gr						X	X	X	X		

Comments:
PH = 6.42 EC = 967

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY
Burt S	MALAGA	11/10/15	1150	[signature]	MTA

Moore Twining Associates

Sample Integrity — Page 2 of 2 — WO# BJ20013 — MTA Bottles: Yes or No

COC Info				
Was temperature within range? Chemistry ≤6°C Micro <10°C Temp_____°C	Yes No N/A	Did all bottle labels agree with COC?	Yes No N/A	Were there bubbles in VOA vials? (**Volatiles Only**) Yes No N/A
If samples were taken today, is there evidence that chilling has begun? Recvd_____C°	Yes No N/A	Was a sufficient amount of sample received?	Yes No N/A	Was PM notified of discrepancies? PM: By/Time: Yes No N/A
Did all bottles arrive unbroken and intact?	Yes No N/A	Were correct containers and preservatives received for the tests requested?	Yes No N/A	
Do samples have a hold time <72 hours?	Yes No N/A			

Bottles Received		
125ml (A) 250ml (B) 1Liter (C) 40ml VOA (V)	1	2
Bacti $Na_2S_2O_3$		
None (P)	3C	3C
Cr6 Buffer (P) Borate Carbonate Buffer		
HNO_3 (P)	1A	
H_2SO_4 (P)	1A	
NaOH (P)		1A
NaOH+ZnAc (P)		
Dissolved Oxygen 300ml (P)		
None (AG)		1C
None (CG) 500ml		
$Na_2S_2O_3$ 250ml (Brown P) 549		
$Na_2S_2O_3$ (AG)		
$Na_2S_2O_3$ (AG)		
Thio/K Citrate		
NH_4Cl (AG) 552		
HCl (AG)		1C/5V
None (CG) 500ml		
H_3PO_4 (AG)		
Other:		
Plastic Bag		
Low Level Hg/Metals Double Bag		
Client Own		
Glass Jar: 125/ 250/ 500		
Soil Tube: Brass/ Steel/ Plastic		
5 g Encore		

Filter or Split	Container	Preservative	Date/Time/Initials
S P F			
S P F			
S P F			
S P F			
S P F			

Labeled by: [illegible] @ 1244 Labels checked by: [illegible] @ 1600

FL-SC-0003-06

SIU Annual Sampling Results: PPG Industries

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
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November 06, 2015

Work Order #: BJ22006

Jim Anderson
Malaga County Water District
3580 S. Frank
Fresno, CA 93725

RE: Local Limits Testing

Enclosed are the analytical results for samples received by our laboratory on 10/22/15 . For your reference, these analyses have been assigned laboratory work order number BJ22006 .

All analyses have been performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, Moore Twining Associates, Inc. (MTA) is not responsible for use of less than complete reports. Results apply only to samples analyzed.

If you have any questions, please feel free to contact us at the number listed above.

Sincerely,

Moore Twining Associates, Inc.

Julio Morales
Client Services Supervisor

MOORE TWINING ASSOCIATES, INC.

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

California ELAP Certificate #1371

Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: PPG	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	11/6/2015

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
PPG102215TPC	BJ22006-01	Waste Water	10/22/15 10:00	10/22/15 11:16
PPG 102215 G	BJ22006-02	Waste Water	10/22/15 10:15	10/22/15 11:16

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
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Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: PPG	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	11/6/2015

PPG102215TPC

BJ22006-01 (Waste Water) Sampled:10/22/15 10:00

Analyte	Flag	Result	Reporting Limit	MDL	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Method
Inorganics											
Ammonia as N	J	**0.16**	1.0	0.038	mg/L	1	U5J2609	MPA	10/26/15 15:15	11/2/15 12:48	EPA 350.1
Biochemical Oxygen Demand		ND	1.0	1.0	mg/L	1	U5J2215	CMG	10/22/15 18:16	10/27/15 12:42	SM5210B
Chloride		**29**	4.0	0.037	mg/L	2	U5J2213	ETH	10/22/15 17:45	10/22/15 23:27	EPA 300.0
Specific Conductance (EC)		**760**	1.0	0.26	µS/cm	1	U5J2322	CMG	10/23/15 17:37	10/23/15 19:54	SM2510B
Methylene Blue Active Substances		ND	0.050	0.031	mg/L	1	U5J2301	MPA	10/23/15 8:40	10/23/15 11:40	SM5540C
Nitrate as Nitrogen		**8.7**	0.90	0.0080	mg/L	2	[CALC]	ETH	10/22/15 23:27	10/22/15 23:27	EPA 300.0
Nitrate as NO3		**39**	4.0	0.035	mg/L	2	U5J2213	ETH	10/22/15 17:45	10/22/15 23:27	EPA 300.0
Nitrite as N		ND	0.60	0.021	mg/L	2	U5J2213	ETH	10/22/15 17:45	10/22/15 23:27	EPA 300.0
Phosphorus	J	**0.44**	0.50	0.011	mg/L	1	U5J2305	MPA	10/26/15 10:00	11/2/15 16:21	EPA 365.4
Total Dissolved Solids		**500**	10	8.1	mg/L	1	U5J2706	MVY	10/27/15 9:36	10/28/15 16:40	SM 2540C
Total Suspended Solids	J	**1.2**	4.0	0.23	mg/L	1	U5J2707	MVY	10/27/15 9:37	10/28/15 9:05	SM 2540D
Metals - Totals											
Aluminum		**0.15**	0.050	0.0072	mg/L	1	U5J2613	DAR	10/30/15 13:05	11/2/15 20:30	EPA 200.7
Arsenic	J	**0.0063**	0.010	0.0023	mg/L	1	U5J2613	DAR	10/30/15 13:05	11/2/15 20:30	EPA 200.7
Barium		**0.099**	0.010	0.00013	mg/L	1	U5J2613	DAR	10/30/15 13:05	11/2/15 20:30	EPA 200.7
Boron		**0.082**	0.050	0.00083	mg/L	1	U5J2613	DAR	10/30/15 13:05	11/2/15 20:30	EPA 200.7
Cadmium		ND	0.0010	0.00020	mg/L	1	U5J2613	DAR	10/30/15 13:05	11/2/15 20:30	EPA 200.7
Chromium		**0.011**	0.0050	0.00091	mg/L	1	U5J2613	DAR	10/30/15 13:05	11/2/15 20:30	EPA 200.7
Copper		**0.0079**	0.0050	0.00095	mg/L	1	U5J2613	DAR	10/30/15 13:05	11/2/15 20:30	EPA 200.7
Iron		**0.24**	0.10	0.017	mg/L	1	U5J2613	DAR	10/30/15 13:05	11/2/15 20:30	EPA 200.7
Lead		ND	0.0050	0.0014	mg/L	1	U5J2613	DAR	10/30/15 13:05	11/2/15 20:30	EPA 200.7
Mercury		ND	0.20	0.035	µg/L	1	U5K0317	JTN	11/4/15 6:48	11/4/15 12:57	EPA 245.2
Molybdenum		**0.016**	0.0050	0.00075	mg/L	1	U5J2613	DAR	10/30/15 13:05	11/2/15 20:30	EPA 200.7
Nickel	J	**0.0018**	0.0050	0.00051	mg/L	1	U5J2613	DAR	10/30/15 13:05	11/2/15 20:30	EPA 200.7
Selenium	J	**0.0059**	0.020	0.0018	mg/L	1	U5J2613	DAR	10/30/15 13:05	11/2/15 20:30	EPA 200.7
Silver		ND	0.0050	0.0011	mg/L	1	U5J2613	DAR	10/30/15 13:05	11/2/15 20:30	EPA 200.7
Zinc		**0.018**	0.0050	0.00080	mg/L	1	U5J2613	DAR	10/30/15 13:05	11/2/15 20:30	EPA 200.7

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
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Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: PPG	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	11/6/2015

PPG 102215 G

BJ22006-02 (Waste Water) Sampled:10/22/15 10:15

Analyte	Flag	Result	Reporting Limit	MDL	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Method
Inorganics											
Cyanide (total)		ND	5.0	2.8	µg/L	1	U5J2208	JTN	10/26/15 7:14	10/26/15 14:29	SM4500CN-E
Semi-Volatile Organics											
Phenol		ND	5.0	0.63	µg/L	1	U5J2601	FFP	10/26/15 8:40	11/4/15 1:23	EPA 625
2-Chlorophenol		ND	5.0	0.69	µg/L	1	U5J2601	FFP	10/26/15 8:40	11/4/15 1:23	EPA 625
2-Methylphenol		ND	5.0	0.93	µg/L	1	U5J2601	FFP	10/26/15 8:40	11/4/15 1:23	EPA 625
3-Methylphenol		ND	5.0	0.96	µg/L	1	U5J2601	FFP	10/26/15 8:40	11/4/15 1:23	EPA 625
4-Methylphenol		ND	5.0	1.1	µg/L	1	U5J2601	FFP	10/26/15 8:40	11/4/15 1:23	EPA 625
2-Nitrophenol		ND	5.0	1.3	µg/L	1	U5J2601	FFP	10/26/15 8:40	11/4/15 1:23	EPA 625
2,4-Dimethylphenol		ND	5.0	1.2	µg/L	1	U5J2601	FFP	10/26/15 8:40	11/4/15 1:23	EPA 625
2,4-Dichlorophenol		ND	5.0	0.79	µg/L	1	U5J2601	FFP	10/26/15 8:40	11/4/15 1:23	EPA 625
2,6-Dichlorophenol		ND	5.0	0.59	µg/L	1	U5J2601	FFP	10/26/15 8:40	11/4/15 1:23	EPA 625
4-Chloro-3-methylphenol		ND	5.0	0.57	µg/L	1	U5J2601	FFP	10/26/15 8:40	11/4/15 1:23	EPA 625
2,4,5-Trichlorophenol		ND	5.0	2.3	µg/L	1	U5J2601	FFP	10/26/15 8:40	11/4/15 1:23	EPA 625
2,4,6-Trichlorophenol		ND	5.0	2.5	µg/L	1	U5J2601	FFP	10/26/15 8:40	11/4/15 1:23	EPA 625
2,4-Dinitrophenol		ND	5.0	1.9	µg/L	1	U5J2601	FFP	10/26/15 8:40	11/4/15 1:23	EPA 625
4-Nitrophenol		ND	5.0	1.6	µg/L	1	U5J2601	FFP	10/26/15 8:40	11/4/15 1:23	EPA 625
2,3,4,6-Tetrachlorophenol		ND	5.0	0.59	µg/L	1	U5J2601	FFP	10/26/15 8:40	11/4/15 1:23	EPA 625
4,6-Dinitro-2-methylphenol		ND	5.0	0.51	µg/L	1	U5J2601	FFP	10/26/15 8:40	11/4/15 1:23	EPA 625
Pentachlorophenol		ND	5.0	1.3	µg/L	1	U5J2601	FFP	10/26/15 8:40	11/4/15 1:23	EPA 625
Surrogate: 2-Fluorophenol		*44.8 %*	*22-92*				*U5J2601*		10/26/15 8:40	11/4/15 1:23	*EPA 625*
Surrogate: Phenol-d5		*30.5 %*	*10-94*				*U5J2601*		10/26/15 8:40	11/4/15 1:23	*EPA 625*
Surrogate: 2,4,6-Tribromophenol		*69.2 %*	*49-138*				*U5J2601*		10/26/15 8:40	11/4/15 1:23	*EPA 625*
Total Oil & Grease (HEM)		ND	1.0	0.17	mg/L	1	U5J2902	BBA	10/29/15 8:55	10/30/15 15:30	EPA 1664A
Volatile Organics											
Chloromethane		ND	0.50	0.16	µg/L	1	U5J2129	GAB	10/22/15 13:32	10/22/15 13:53	EPA 624
Vinyl chloride		ND	0.50	0.16	µg/L	1	U5J2129	GAB	10/22/15 13:32	10/22/15 13:53	EPA 624
Bromomethane		ND	1.0	0.32	µg/L	1	U5J2129	GAB	10/22/15 13:32	10/22/15 13:53	EPA 624
Chloroethane		ND	0.50	0.16	µg/L	1	U5J2129	GAB	10/22/15 13:32	10/22/15 13:53	EPA 624
Trichlorofluoromethane (CFC-11)		ND	0.50	0.13	µg/L	1	U5J2129	GAB	10/22/15 13:32	10/22/15 13:53	EPA 624
Trichlorotrifluoroethane (CFC-113)		ND	1.0	0.11	µg/L	1	U5J2129	GAB	10/22/15 13:32	10/22/15 13:53	EPA 624
1,1-Dichloroethene		ND	0.50	0.14	µg/L	1	U5J2129	GAB	10/22/15 13:32	10/22/15 13:53	EPA 624
Acrolein		ND	10	1.5	µg/L	1	U5J2129	GAB	10/22/15 13:32	10/22/15 13:53	EPA 624

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
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Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: PPG	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	11/6/2015

PPG 102215 G

BJ22006-02 (Waste Water) Sampled:10/22/15 10:15

Analyte	Flag	Result	Reporting Limit	MDL	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Method
Volatile Organics											
Methylene chloride		ND	1.0	0.20	µg/L	1	U5J2129	GAB	10/22/15 13:32	10/22/15 13:53	EPA 624
trans-1,2-Dichloroethene		ND	0.50	0.11	µg/L	1	U5J2129	GAB	10/22/15 13:32	10/22/15 13:53	EPA 624
Methyl tert-Butyl Ether (MTBE)		ND	1.0	0.36	µg/L	1	U5J2129	GAB	10/22/15 13:32	10/22/15 13:53	EPA 624
1,1-Dichloroethane		ND	0.50	0.12	µg/L	1	U5J2129	GAB	10/22/15 13:32	10/22/15 13:53	EPA 624
Acrylonitrile		ND	5.0	2.9	µg/L	1	U5J2129	GAB	10/22/15 13:32	10/22/15 13:53	EPA 624
cis-1,2-Dichloroethene		ND	0.50	0.15	µg/L	1	U5J2129	GAB	10/22/15 13:32	10/22/15 13:53	EPA 624
Chloroform		ND	0.50	0.14	µg/L	1	U5J2129	GAB	10/22/15 13:32	10/22/15 13:53	EPA 624
Carbon tetrachloride		ND	0.50	0.16	µg/L	1	U5J2129	GAB	10/22/15 13:32	10/22/15 13:53	EPA 624
1,1,1-Trichloroethane (TCA)		ND	0.50	0.16	µg/L	1	U5J2129	GAB	10/22/15 13:32	10/22/15 13:53	EPA 624
1,1-Dichloropropene		ND	0.50	0.12	µg/L	1	U5J2129	GAB	10/22/15 13:32	10/22/15 13:53	EPA 624
Benzene		ND	0.50	0.10	µg/L	1	U5J2129	GAB	10/22/15 13:32	10/22/15 13:53	EPA 624
1,2-Dichloroethane (1,2-DCA)		ND	0.50	0.10	µg/L	1	U5J2129	GAB	10/22/15 13:32	10/22/15 13:53	EPA 624
Trichloroethene (TCE)		ND	0.50	0.17	µg/L	1	U5J2129	GAB	10/22/15 13:32	10/22/15 13:53	EPA 624
1,2-Dichloropropane		ND	0.50	0.10	µg/L	1	U5J2129	GAB	10/22/15 13:32	10/22/15 13:53	EPA 624
Bromodichloromethane		ND	0.50	0.13	µg/L	1	U5J2129	GAB	10/22/15 13:32	10/22/15 13:53	EPA 624
2-Chloroethylvinyl ether		ND	1.0	0.33	µg/L	1	U5J2129	GAB	10/22/15 13:32	10/22/15 13:53	EPA 624
cis-1,3-Dichloropropene		ND	0.50	0.11	µg/L	1	U5J2129	GAB	10/22/15 13:32	10/22/15 13:53	EPA 624
Toluene		ND	0.50	0.27	µg/L	1	U5J2129	GAB	10/22/15 13:32	10/22/15 13:53	EPA 624
trans-1,3-Dichloropropene		ND	0.50	0.14	µg/L	1	U5J2129	GAB	10/22/15 13:32	10/22/15 13:53	EPA 624
Tetrachloroethene (PCE)		ND	0.50	0.12	µg/L	1	U5J2129	GAB	10/22/15 13:32	10/22/15 13:53	EPA 624
1,1,2-Trichloroethane		ND	0.50	0.12	µg/L	1	U5J2129	GAB	10/22/15 13:32	10/22/15 13:53	EPA 624
Dibromochloromethane		ND	0.50	0.11	µg/L	1	U5J2129	GAB	10/22/15 13:32	10/22/15 13:53	EPA 624
1,2-Dibromoethane (EDB)		ND	0.50	0.22	µg/L	1	U5J2129	GAB	10/22/15 13:32	10/22/15 13:53	EPA 624
Ethylbenzene		ND	0.50	0.10	µg/L	1	U5J2129	GAB	10/22/15 13:32	10/22/15 13:53	EPA 624
Chlorobenzene		ND	0.50	0.10	µg/L	1	U5J2129	GAB	10/22/15 13:32	10/22/15 13:53	EPA 624
1,1,1,2-Tetrachloroethane		ND	0.50	0.12	µg/L	1	U5J2129	GAB	10/22/15 13:32	10/22/15 13:53	EPA 624
m,p-Xylene		ND	1.0	0.20	µg/L	1	U5J2129	GAB	10/22/15 13:32	10/22/15 13:53	EPA 624
o-Xylene		ND	0.50	0.10	µg/L	1	U5J2129	GAB	10/22/15 13:32	10/22/15 13:53	EPA 624
Styrene		ND	0.50	0.10	µg/L	1	U5J2129	GAB	10/22/15 13:32	10/22/15 13:53	EPA 624
Bromoform		ND	1.0	0.12	µg/L	1	U5J2129	GAB	10/22/15 13:32	10/22/15 13:53	EPA 624
1,1,2,2-Tetrachloroethane		ND	1.0	0.21	µg/L	1	U5J2129	GAB	10/22/15 13:32	10/22/15 13:53	EPA 624
1,2,3-Trichloropropane (123TCP)		ND	0.50	0.29	µg/L	1	U5J2129	GAB	10/22/15 13:32	10/22/15 13:53	EPA 624
1,3-Dichlorobenzene		ND	0.50	0.040	µg/L	1	U5J2129	GAB	10/22/15 13:32	10/22/15 13:53	EPA 624
1,4-Dichlorobenzene		ND	0.50	0.10	µg/L	1	U5J2129	GAB	10/22/15 13:32	10/22/15 13:53	EPA 624

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California ELAP Certificate #1371

Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: PPG	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	11/6/2015

PPG 102215 G

BJ22006-02 (Waste Water) Sampled:10/22/15 10:15

Analyte	Flag	Result	Reporting Limit	MDL	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Method
Volatile Organics											
1,2-Dichlorobenzene		ND	0.50	0.12	µg/L	1	U5J2129	GAB	10/22/15 13:32	10/22/15 13:53	EPA 624
1,2,4-Trichlorobenzene		ND	1.0	0.10	µg/L	1	U5J2129	GAB	10/22/15 13:32	10/22/15 13:53	EPA 624
Hexachlorobutadiene		ND	1.0	0.10	µg/L	1	U5J2129	GAB	10/22/15 13:32	10/22/15 13:53	EPA 624
Naphthalene		ND	0.50	0.15	µg/L	1	U5J2129	GAB	10/22/15 13:32	10/22/15 13:53	EPA 624
Xylenes		ND	2.0		µg/L	1	U5J2129	GAB	10/22/15 13:32	10/22/15 13:53	EPA 624
Surrogate: 4-Bromofluorobenzene		*97.0 %*	*70-130*				*U5J2129*		10/22/15 13:32	10/22/15 13:53	*EPA 624*
Surrogate: Dibromofluoromethane		*99.0 %*	*70-130*				*U5J2129*		10/22/15 13:32	10/22/15 13:53	*EPA 624*
Surrogate: Toluene-d8		*102 %*	*70-130*				*U5J2129*		10/22/15 13:32	10/22/15 13:53	*EPA 624*

Notes and Definitions

J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag). Same as DNQ - Detected, but Not Quantified.
ug/L	micrograms per liter (parts per billion concentration units)
mg/kg	milligrams per kilogram (parts per million concentration units)
mg/L	milligrams per Liter (parts per million concentration units)
ND	Analyte NOT DETECTED at or above the Minimum Detection Limit (MDL)
RPD	Relative Percent Difference

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3580 S. Frank	Project Number: PPG	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	11/6/2015

Inorganics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J2208 - SM4500CN-E										
Blank (U5J2208-BLK1)				Prepared & Analyzed: 10/26/15						
Cyanide (total)	ND	5.0	µg/L							
LCS (U5J2208-BS1)				Prepared & Analyzed: 10/26/15						
Cyanide (total)	49.0	5.0	µg/L	50.0		98.0	80-120		20	
LCS Dup (U5J2208-BSD1)				Prepared & Analyzed: 10/26/15						
Cyanide (total)	46.3	5.0	µg/L	50.0		92.6	80-120	5.67	20	
Matrix Spike (U5J2208-MS1)		**Source: BJ13090-02**		Prepared & Analyzed: 10/26/15						
Cyanide (total)	48.1	5.0	µg/L	50.0	ND	96.2	80-120		20	
Matrix Spike Dup (U5J2208-MSD1)		**Source: BJ13090-02**		Prepared & Analyzed: 10/26/15						
Cyanide (total)	48.1	5.0	µg/L	50.0	ND	96.2	80-120	0.00	20	
Batch U5J2213 - EPA 300.0										
Blank (U5J2213-BLK1)				Prepared & Analyzed: 10/22/15						
Chloride	0.0196	2.0	mg/L							J
Nitrite as N	ND	0.30	mg/L							
Nitrate as NO3	0.0220	2.0	mg/L							J
LCS (U5J2213-BS1)				Prepared & Analyzed: 10/22/15						
Chloride	47.9	2.0	mg/L	50.0		95.9	90-110		20	
Nitrite as N	4.84	0.30	mg/L	5.00		96.7	90-110		20	
Nitrate as NO3	47.8	2.0	mg/L	50.0		95.7	90-110		20	
LCS Dup (U5J2213-BSD1)				Prepared & Analyzed: 10/22/15						
Nitrite as N	4.76	0.30	mg/L	5.00		95.3	90-110	1.49	20	
Chloride	47.4	2.0	mg/L	50.0		94.8	90-110	1.13	20	
Nitrate as NO3	47.5	2.0	mg/L	50.0		94.9	90-110	0.779	20	
Matrix Spike (U5J2213-MS1)		**Source: BJ21038-01**		Prepared & Analyzed: 10/22/15						
Chloride	249	8.0	mg/L	200	58.7	95.2	48-147		15	
Nitrite as N	20.0	1.2	mg/L	20.0	ND	99.8	80-120		20	
Nitrate as NO3	207	8.0	mg/L	200	16.2	95.5	70-130		20	
Matrix Spike (U5J2213-MS2)		**Source: BJ22006-01**		Prepared & Analyzed: 10/22/15						
Chloride	224	8.0	mg/L	200	29.0	97.4	48-147		15	
Nitrite as N	19.9	1.2	mg/L	20.0	ND	99.4	80-120		20	
Nitrate as NO3	231	8.0	mg/L	200	38.7	96.1	70-130		20	
Matrix Spike Dup (U5J2213-MSD1)		**Source: BJ21038-01**		Prepared & Analyzed: 10/22/15						

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3580 S. Frank	Project Number: PPG	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	11/6/2015

Inorganics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J2213 - EPA 300.0										
Matrix Spike Dup (U5J2213-MSD1)		**Source: BJ21038-01**		Prepared & Analyzed: 10/22/15						
Chloride	249	8.0	mg/L	200	58.7	95.4	48-147	0.170	15	
Nitrite as N	20.1	1.2	mg/L	20.0	ND	100	80-120	0.709	20	
Nitrate as NO3	206	8.0	mg/L	200	16.2	94.9	70-130	0.577	20	
Matrix Spike Dup (U5J2213-MSD2)		**Source: BJ22006-01**		Prepared & Analyzed: 10/22/15						
Nitrite as N	19.8	1.2	mg/L	20.0	ND	98.9	80-120	0.482	20	
Chloride	222	8.0	mg/L	200	29.0	96.7	48-147	0.637	15	
Nitrate as NO3	231	8.0	mg/L	200	38.7	96.0	70-130	0.0390	20	
Batch U5J2215 - SM5210B										
Blank (U5J2215-BLK1)				Prepared: 10/22/15 Analyzed: 10/27/15						
Biochemical Oxygen Demand	ND	1.0	mg/L							
LCS (U5J2215-BS1)				Prepared: 10/22/15 Analyzed: 10/27/15						
Biochemical Oxygen Demand	185	50	mg/L	198		93.6	85-115		20	
LCS Dup (U5J2215-BSD1)				Prepared: 10/22/15 Analyzed: 10/27/15						
Biochemical Oxygen Demand	185	50	mg/L	198		93.3	85-115	0.270	20	
Duplicate (U5J2215-DUP1)		**Source: BJ22004-03**		Prepared: 10/22/15 Analyzed: 10/27/15						
Biochemical Oxygen Demand	217	30	mg/L		241			10.8	20	
Batch U5J2301 - SM5540C										
Blank (U5J2301-BLK1)				Prepared & Analyzed: 10/23/15						
Methylene Blue Active Substances	ND	0.050	mg/L							
LCS (U5J2301-BS1)				Prepared & Analyzed: 10/23/15						
Methylene Blue Active Substances	1.16	0.050	mg/L	1.00		116	80-120		20	
LCS Dup (U5J2301-BSD1)				Prepared & Analyzed: 10/23/15						
Methylene Blue Active Substances	1.13	0.050	mg/L	1.00		113	80-120	2.10	20	
Matrix Spike (U5J2301-MS1)		**Source: BJ22006-01**		Prepared & Analyzed: 10/23/15						
Methylene Blue Active Substances	1.12	0.050	mg/L	1.00	ND	112	80-120		20	
Matrix Spike Dup (U5J2301-MSD1)		**Source: BJ22006-01**		Prepared & Analyzed: 10/23/15						
Methylene Blue Active Substances	1.02	0.050	mg/L	1.00	ND	102	80-120	8.87	20	
Batch U5J2305 - EPA 365.4										
Blank (U5J2305-BLK1)				Prepared: 10/26/15 Analyzed: 11/02/15						

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Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: PPG	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	11/6/2015

Inorganics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J2305 - EPA 365.4										
Blank (U5J2305-BLK1)				Prepared: 10/26/15 Analyzed: 11/02/15						
Phosphorus	0.0799	0.50	mg/L							J
LCS (U5J2305-BS1)				Prepared: 10/26/15 Analyzed: 11/02/15						
Phosphorus	7.37	0.50	mg/L	7.50		98.3	80-120		20	
LCS Dup (U5J2305-BSD1)				Prepared: 10/26/15 Analyzed: 11/02/15						
Phosphorus	7.32	0.50	mg/L	7.50		97.5	80-120	0.790	20	
Matrix Spike (U5J2305-MS1)		**Source: BJ21012-01**		Prepared: 10/26/15 Analyzed: 11/02/15						
Phosphorus	336	10	mg/L	75.0	267	91.6	80-120		20	
Matrix Spike (U5J2305-MS2)		**Source: BJ22009-03**		Prepared: 10/26/15 Analyzed: 11/02/15						
Phosphorus	8.90	0.50	mg/L	7.50	1.50	98.7	80-120		20	
Matrix Spike Dup (U5J2305-MSD1)		**Source: BJ21012-01**		Prepared: 10/26/15 Analyzed: 11/02/15						
Phosphorus	329	10	mg/L	75.0	267	82.7	80-120	2.02	20	
Matrix Spike Dup (U5J2305-MSD2)		**Source: BJ22009-03**		Prepared: 10/26/15 Analyzed: 11/02/15						
Phosphorus	8.86	0.50	mg/L	7.50	1.50	98.2	80-120	0.405	20	
Batch U5J2322 - SM2510B										
Blank (U5J2322-BLK1)				Prepared & Analyzed: 10/23/15						
Specific Conductance (EC)	ND	1.0	µS/cm							
LCS (U5J2322-BS1)				Prepared & Analyzed: 10/23/15						
Specific Conductance (EC)	532	1.0	µS/cm	500		106	80-120		20	
LCS Dup (U5J2322-BSD1)				Prepared & Analyzed: 10/23/15						
Specific Conductance (EC)	537	1.0	µS/cm	500		107	80-120	0.951	20	
Duplicate (U5J2322-DUP1)		**Source: BJ21033-02**		Prepared & Analyzed: 10/23/15						
Specific Conductance (EC)	745	1.0	µS/cm		742			0.410	20	
Duplicate (U5J2322-DUP2)		**Source: BJ23020-01**		Prepared & Analyzed: 10/23/15						
Specific Conductance (EC)	529	1.0	µS/cm		528			0.191	20	
Batch U5J2609 - EPA 350.1										
Blank (U5J2609-BLK1)				Prepared: 10/26/15 Analyzed: 11/02/15						
Ammonia as N	ND	1.0	mg/L							
LCS (U5J2609-BS1)				Prepared: 10/26/15 Analyzed: 11/02/15						
Ammonia as N	23.3	1.0	mg/L	22.5		103	80-120		20	

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3580 S. Frank	Project Number: PPG	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	11/6/2015

Inorganics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J2609 - EPA 350.1										
LCS Dup (U5J2609-BSD1)				Prepared: 10/26/15 Analyzed: 11/02/15						
Ammonia as N	23.3	1.0	mg/L	22.5		103	80-120	0.0859	20	
Matrix Spike (U5J2609-MS1)		**Source: BJ22026-01**		Prepared: 10/26/15 Analyzed: 11/02/15						
Ammonia as N	23.1	1.0	mg/L	22.5	0.0656	102	80-120		20	
Matrix Spike (U5J2609-MS2)		**Source: BJ22026-05**		Prepared: 10/26/15 Analyzed: 11/02/15						
Ammonia as N	22.0	1.0	mg/L	22.5	ND	97.7	80-120		20	
Matrix Spike Dup (U5J2609-MSD1)		**Source: BJ22026-01**		Prepared: 10/26/15 Analyzed: 11/02/15						
Ammonia as N	23.3	1.0	mg/L	22.5	0.0656	103	80-120	1.21	20	
Matrix Spike Dup (U5J2609-MSD2)		**Source: BJ22026-05**		Prepared: 10/26/15 Analyzed: 11/02/15						
Ammonia as N	22.3	1.0	mg/L	22.5	ND	99.0	80-120	1.36	20	
Batch U5J2706 - SM 2540C										
Blank (U5J2706-BLK1)				Prepared: 10/27/15 Analyzed: 10/28/15						
Total Dissolved Solids	ND	10	mg/L							
LCS (U5J2706-BS1)				Prepared: 10/27/15 Analyzed: 10/28/15						
Total Dissolved Solids	234	10	mg/L	240		97.3	80-120		20	
LCS Dup (U5J2706-BSD1)				Prepared: 10/27/15 Analyzed: 10/28/15						
Total Dissolved Solids	248	10	mg/L	240		103	80-120	6.02	20	
Duplicate (U5J2706-DUP1)		**Source: BJ20045-01**		Prepared: 10/27/15 Analyzed: 10/28/15						
Total Dissolved Solids	196	10	mg/L		200			1.77	20	
Duplicate (U5J2706-DUP2)		**Source: BJ20046-01**		Prepared: 10/27/15 Analyzed: 10/28/15						
Total Dissolved Solids	689	20	mg/L		708			2.72	20	
Batch U5J2707 - SM 2540D										
Blank (U5J2707-BLK1)				Prepared: 10/27/15 Analyzed: 10/28/15						
Total Suspended Solids	ND	4.0	mg/L							
Duplicate (U5J2707-DUP1)		**Source: BJ22014-04**		Prepared: 10/27/15 Analyzed: 10/28/15						
Total Suspended Solids	3600	200	mg/L		3500			1.96	20	
Duplicate (U5J2707-DUP2)		**Source: BJ22014-05**		Prepared: 10/27/15 Analyzed: 10/28/15						
Total Suspended Solids	2200	200	mg/L		2200			0.458	20	

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3580 S. Frank	Project Number: PPG	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	11/6/2015

Metals - Totals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J2613 - EPA 200.7										
Blank (U5J2613-BLK1)				Prepared: 10/30/15 Analyzed: 11/02/15						
Iron	ND	0.10	mg/L							
Aluminum	ND	0.050	mg/L							
Selenium	ND	0.020	mg/L							
Silver	ND	0.0050	mg/L							
Arsenic	ND	0.010	mg/L							
Zinc	ND	0.0050	mg/L							
Nickel	0.00136	0.0050	mg/L							J
Lead	ND	0.0050	mg/L							
Barium	ND	0.010	mg/L							
Copper	ND	0.0050	mg/L							
Molybdenum	0.00274	0.0050	mg/L							J
Chromium	ND	0.0050	mg/L							
Cadmium	0.000225	0.0010	mg/L							J
Boron	0.0102	0.050	mg/L							J
LCS (U5J2613-BS1)				Prepared: 10/30/15 Analyzed: 11/02/15						
Cadmium	0.0208	0.0010	mg/L	0.0200		104	85-115		20	
Nickel	0.107	0.0050	mg/L	0.100		107	85-115		20	
Silver	0.107	0.0050	mg/L	0.100		107	85-115		20	
Lead	0.101	0.0050	mg/L	0.100		101	85-115		20	
Chromium	0.102	0.0050	mg/L	0.100		102	85-115		20	
Selenium	0.378	0.020	mg/L	0.400		94.6	85-115		20	
Copper	0.0995	0.0050	mg/L	0.100		99.5	85-115		20	
Zinc	0.107	0.0050	mg/L	0.100		107	85-115		20	
Barium	0.195	0.010	mg/L	0.200		97.6	85-115		20	
Molybdenum	0.0996	0.0050	mg/L	0.100		99.6	85-115		20	
Aluminum	0.916	0.050	mg/L	1.00		91.6	85-115		20	
Boron	0.958	0.050	mg/L	1.00		95.8	85-115		20	
Iron	2.00	0.10	mg/L	2.00		99.9	85-115		20	
Arsenic	0.203	0.010	mg/L	0.200		101	85-115		20	
LCS Dup (U5J2613-BSD1)				Prepared: 10/30/15 Analyzed: 11/02/15						
Barium	0.195	0.010	mg/L	0.200		97.3	85-115	0.351	20	
Selenium	0.384	0.020	mg/L	0.400		95.9	85-115	1.43	20	
Nickel	0.107	0.0050	mg/L	0.100		107	85-115	0.0541	20	
Lead	0.102	0.0050	mg/L	0.100		102	85-115	0.938	20	

MOORE TWINING ASSOCIATES, INC.

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California ELAP Certificate #1371

Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: PPG	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	11/6/2015

Metals - Totals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J2613 - EPA 200.7										
LCS Dup (U5J2613-BSD1)				Prepared: 10/30/15 Analyzed: 11/02/15						
Cadmium	0.0208	0.0010	mg/L	0.0200		104	85-115	0.0150	20	
Boron	0.990	0.050	mg/L	1.00		99.0	85-115	3.30	20	
Silver	0.105	0.0050	mg/L	0.100		105	85-115	1.53	20	
Iron	2.03	0.10	mg/L	2.00		102	85-115	1.76	20	
Copper	0.0983	0.0050	mg/L	0.100		98.3	85-115	1.17	20	
Chromium	0.101	0.0050	mg/L	0.100		101	85-115	0.874	20	
Zinc	0.108	0.0050	mg/L	0.100		108	85-115	0.286	20	
Arsenic	0.202	0.010	mg/L	0.200		101	85-115	0.0861	20	
Molybdenum	0.100	0.0050	mg/L	0.100		100	85-115	0.729	20	
Aluminum	0.939	0.050	mg/L	1.00		93.9	85-115	2.46	20	
Matrix Spike (U5J2613-MS1)		**Source: BJ21056-01**		Prepared: 10/30/15 Analyzed: 11/02/15						
Arsenic	0.402	0.020	mg/L	0.400	0.00472	99.4	70-130		20	
Selenium	0.726	0.040	mg/L	0.800	0.00284	90.7	70-130		20	
Aluminum	1.92	0.10	mg/L	2.00	ND	95.8	70-130		20	
Nickel	0.198	0.010	mg/L	0.200	0.00160	98.4	70-130		20	
Barium	0.447	0.020	mg/L	0.400	0.0631	95.9	70-130		20	
Copper	0.194	0.010	mg/L	0.200	0.0104	91.7	70-130		20	
Molybdenum	0.209	0.010	mg/L	0.200	0.00881	100	70-130		20	
Lead	0.193	0.010	mg/L	0.200	ND	96.7	70-130		20	
Chromium	0.205	0.010	mg/L	0.200	ND	102	70-130		20	
Iron	4.09	0.20	mg/L	4.00	ND	102	70-130		20	
Zinc	0.322	0.010	mg/L	0.200	0.121	100	70-130		20	
Boron	2.18	0.10	mg/L	2.00	0.147	102	70-130		20	
Silver	0.204	0.010	mg/L	0.200	ND	102	70-130		20	
Cadmium	0.0401	0.0020	mg/L	0.0400	ND	100	70-130		20	
Matrix Spike (U5J2613-MS2)		**Source: BJ27008-01**		Prepared: 10/30/15 Analyzed: 11/02/15						
Zinc	0.218	0.010	mg/L	0.200	0.00881	104	70-130		20	
Chromium	0.211	0.010	mg/L	0.200	0.00725	102	70-130		20	
Molybdenum	0.202	0.010	mg/L	0.200	0.00593	98.2	70-130		20	
Aluminum	1.86	0.10	mg/L	2.00	ND	93.2	70-130		20	
Arsenic	0.402	0.020	mg/L	0.400	0.00716	98.6	70-130		20	
Copper	0.219	0.010	mg/L	0.200	0.0220	98.7	70-130		20	
Boron	1.99	0.10	mg/L	2.00	0.0403	97.7	70-130		20	
Barium	0.435	0.020	mg/L	0.400	0.0539	95.3	70-130		20	

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California ELAP Certificate #1371

Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: PPG	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	11/6/2015

Metals - Totals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J2613 - EPA 200.7										
Matrix Spike (U5J2613-MS2)		**Source: BJ27008-01**		Prepared: 10/30/15 Analyzed: 11/02/15						
Silver	0.202	0.010	mg/L	0.200	ND	101	70-130		20	
Iron	4.06	0.20	mg/L	4.00	ND	101	70-130		20	
Nickel	0.210	0.010	mg/L	0.200	0.00210	104	70-130		20	
Cadmium	0.0410	0.0020	mg/L	0.0400	ND	103	70-130		20	
Selenium	0.719	0.040	mg/L	0.800	0.00439	89.3	70-130		20	
Lead	0.200	0.010	mg/L	0.200	ND	99.8	70-130		20	
Matrix Spike Dup (U5J2613-MSD1)		**Source: BJ21056-01**		Prepared: 10/30/15 Analyzed: 11/02/15						
Zinc	0.330	0.010	mg/L	0.200	0.121	104	70-130	2.36	20	
Iron	4.11	0.20	mg/L	4.00	ND	103	70-130	0.563	20	
Arsenic	0.403	0.020	mg/L	0.400	0.00472	99.7	70-130	0.302	20	
Aluminum	1.87	0.10	mg/L	2.00	ND	93.4	70-130	2.51	20	
Boron	2.21	0.10	mg/L	2.00	0.147	103	70-130	1.24	20	
Barium	0.446	0.020	mg/L	0.400	0.0631	95.8	70-130	0.0849	20	
Copper	0.195	0.010	mg/L	0.200	0.0104	92.3	70-130	0.567	20	
Chromium	0.202	0.010	mg/L	0.200	ND	101	70-130	1.32	20	
Molybdenum	0.215	0.010	mg/L	0.200	0.00881	103	70-130	2.88	20	
Nickel	0.199	0.010	mg/L	0.200	0.00160	98.6	70-130	0.148	20	
Silver	0.201	0.010	mg/L	0.200	ND	101	70-130	1.42	20	
Selenium	0.740	0.040	mg/L	0.800	0.00284	92.5	70-130	1.94	20	
Lead	0.193	0.010	mg/L	0.200	ND	96.3	70-130	0.481	20	
Cadmium	0.0403	0.0020	mg/L	0.0400	ND	101	70-130	0.293	20	
Matrix Spike Dup (U5J2613-MSD2)		**Source: BJ27008-01**		Prepared: 10/30/15 Analyzed: 11/02/15						
Barium	0.441	0.020	mg/L	0.400	0.0539	96.7	70-130	1.27	20	
Cadmium	0.0412	0.0020	mg/L	0.0400	ND	103	70-130	0.567	20	
Molybdenum	0.206	0.010	mg/L	0.200	0.00593	100	70-130	1.74	20	
Arsenic	0.415	0.020	mg/L	0.400	0.00716	102	70-130	3.35	20	
Boron	2.08	0.10	mg/L	2.00	0.0403	102	70-130	4.09	20	
Selenium	0.731	0.040	mg/L	0.800	0.00439	90.8	70-130	1.63	20	
Lead	0.204	0.010	mg/L	0.200	ND	102	70-130	2.29	20	
Silver	0.204	0.010	mg/L	0.200	ND	102	70-130	0.858	20	
Aluminum	1.89	0.10	mg/L	2.00	ND	94.4	70-130	1.35	20	
Zinc	0.220	0.010	mg/L	0.200	0.00881	106	70-130	1.28	20	
Chromium	0.211	0.010	mg/L	0.200	0.00725	102	70-130	0.168	20	
Iron	4.17	0.20	mg/L	4.00	ND	104	70-130	2.88	20	

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Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: PPG	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	11/6/2015

Metals - Totals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J2613 - EPA 200.7										
Matrix Spike Dup (U5J2613-MSD2)		**Source: BJ27008-01**		Prepared: 10/30/15 Analyzed: 11/02/15						
Copper	0.221	0.010	mg/L	0.200	0.0220	99.7	70-130	0.892	20	
Nickel	0.208	0.010	mg/L	0.200	0.00210	103	70-130	0.745	20	
Batch U5K0317 - EPA 245.2										
Blank (U5K0317-BLK1)				Prepared & Analyzed: 11/04/15						
Mercury	ND	0.20	µg/L							
LCS (U5K0317-BS1)				Prepared & Analyzed: 11/04/15						
Mercury	5.26	0.20	µg/L	5.00		105	80-120		20	
LCS Dup (U5K0317-BSD1)				Prepared & Analyzed: 11/04/15						
Mercury	5.38	0.20	µg/L	5.00		108	80-120	2.17	20	
Matrix Spike (U5K0317-MS1)		**Source: BJ30024-01**		Prepared & Analyzed: 11/04/15						
Mercury	164	6.0	µg/L	150	ND	109	70-130		20	
Matrix Spike Dup (U5K0317-MSD1)		**Source: BJ30024-01**		Prepared & Analyzed: 11/04/15						
Mercury	164	6.0	µg/L	150	ND	110	70-130	0.118	20	

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Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: PPG	Reported:
Fresno CA, 93725	Project Manager: Jim Anderson	11/6/2015

Semi-Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J2601 - EPA 625										
Blank (U5J2601-BLK1)				Prepared: 10/26/15 Analyzed: 10/29/15						
Surrogate: 2-Fluorophenol	*43.8*		*µg/L*	*100*		*43.8*	*22-92*			
Surrogate: Phenol-d5	*29.4*		*µg/L*	*100*		*29.4*	*10-94*			
Surrogate: 2,4,6-Tribromophenol	*65.2*		*µg/L*	*100*		*65.2*	*49-138*			
Phenol	ND	5.0	µg/L							
2-Chlorophenol	ND	5.0	µg/L							
2-Methylphenol	ND	5.0	µg/L							
3-Methylphenol	ND	5.0	µg/L							
4-Methylphenol	ND	5.0	µg/L							
2-Nitrophenol	ND	5.0	µg/L							
2,4-Dimethylphenol	ND	5.0	µg/L							
2,4-Dichlorophenol	ND	5.0	µg/L							
2,6-Dichlorophenol	ND	5.0	µg/L							
4-Chloro-3-methylphenol	ND	5.0	µg/L							
2,4,5-Trichlorophenol	ND	5.0	µg/L							
2,4,6-Trichlorophenol	ND	5.0	µg/L							
2,4-Dinitrophenol	ND	5.0	µg/L							
4-Nitrophenol	ND	5.0	µg/L							
2,3,4,6-Tetrachlorophenol	ND	5.0	µg/L							
4,6-Dinitro-2-methylphenol	ND	5.0	µg/L							
Pentachlorophenol	ND	5.0	µg/L							
LCS (U5J2601-BS1)				Prepared: 10/26/15 Analyzed: 10/29/15						
Surrogate: 2-Fluorophenol	*45.2*		*µg/L*	*100*		*45.2*	*22-92*			
Surrogate: Phenol-d5	*31.0*		*µg/L*	*100*		*31.0*	*10-94*			
Surrogate: 2,4,6-Tribromophenol	*65.1*		*µg/L*	*100*		*65.1*	*49-138*			
Phenol	15.2	5.0	µg/L	50.0		30.4	5-112		20	
2-Chlorophenol	33.7	5.0	µg/L	50.0		67.4	23-134		20	
4-Chloro-3-methylphenol	33.7	5.0	µg/L	50.0		67.5	22-147		20	
Batch U5J2902 - EPA 1664A										
Blank (U5J2902-BLK1)				Prepared: 10/29/15 Analyzed: 10/30/15						
Total Oil & Grease (HEM)	ND	1.0	mg/L							
LCS (U5J2902-BS1)				Prepared: 10/29/15 Analyzed: 10/30/15						
Total Oil & Grease (HEM)	35.8	1.0	mg/L	40.0		89.6	78-114		20	

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Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: PPG	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	11/6/2015

Semi-Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J2902 - EPA 1664A										
LCS Dup (U5J2902-BSD1)				Prepared: 10/29/15 Analyzed: 10/30/15						
Total Oil & Grease (HEM)	37.4	1.0	mg/L	40.0		93.4	78-114	4.10	20	

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Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: PPG	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	11/6/2015

Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J2129 - EPA 624										
Blank (U5J2129-BLK1)				Prepared & Analyzed: 10/21/15						
Surrogate: 4-Bromofluorobenzene	*24.8*		*µg/L*	*25.0*		*99.4*	*70-130*			
Surrogate: Dibromofluoromethane	*24.9*		*µg/L*	*25.0*		*99.5*	*70-130*			
Surrogate: Toluene-d8	*25.2*		*µg/L*	*25.0*		*101*	*70-130*			
Chloromethane	ND	0.50	µg/L							
Vinyl chloride	ND	0.50	µg/L							
Bromomethane	ND	1.0	µg/L							
Chloroethane	ND	0.50	µg/L							
Trichlorofluoromethane (CFC-11)	ND	0.50	µg/L							
Trichlorotrifluoroethane (CFC-113)	ND	1.0	µg/L							
1,1-Dichloroethene	ND	0.50	µg/L							
Acrolein	ND	10	µg/L							
Methylene chloride	ND	1.0	µg/L							
trans-1,2-Dichloroethene	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
Acrylonitrile	ND	5.0	µg/L							
cis-1,2-Dichloroethene	ND	0.50	µg/L							
Chloroform	ND	0.50	µg/L							
Carbon tetrachloride	ND	0.50	µg/L							
1,1,1-Trichloroethane (TCA)	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
Benzene	ND	0.50	µg/L							
1,2-Dichloroethane (1,2-DCA)	ND	0.50	µg/L							
Trichloroethene (TCE)	ND	0.50	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
2-Chloroethylvinyl ether	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
Toluene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Tetrachloroethene (PCE)	ND	0.50	µg/L							
1,1,2-Trichloroethane	ND	0.50	µg/L							
Dibromochloromethane	ND	0.50	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							

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3580 S. Frank	Project Number: PPG	Reported:
Fresno CA, 93725	Project Manager: Jim Anderson	11/6/2015

Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J2129 - EPA 624										
Blank (U5J2129-BLK1)				Prepared & Analyzed: 10/21/15						
Ethylbenzene	ND	0.50	µg/L							
Chlorobenzene	ND	0.50	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
m,p-Xylene	ND	1.0	µg/L							
o-Xylene	ND	0.50	µg/L							
Styrene	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	1.0	µg/L							
1,2,3-Trichloropropane (123TCP)	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	1.0	µg/L							
Naphthalene	ND	0.50	µg/L							
Xylenes	ND	2.0	µg/L							
LCS (U5J2129-BS1)				Prepared & Analyzed: 10/21/15						
Surrogate: 4-Bromofluorobenzene	*24.2*		*µg/L*	*25.0*		*97.0*	*70-130*			
Surrogate: Dibromofluoromethane	*24.8*		*µg/L*	*25.0*		*99.3*	*70-130*			
Surrogate: Toluene-d8	*25.3*		*µg/L*	*25.0*		*101*	*70-130*			
1,1-Dichloroethene	19.4	0.50	µg/L	19.8		97.7	70-130		20	
Benzene	18.4	0.50	µg/L	20.0		92.3	70-130		20	
Trichloroethene (TCE)	17.9	0.50	µg/L	20.0		89.6	70-130		20	
Toluene	18.9	0.50	µg/L	19.9		95.0	70-130		20	
Chlorobenzene	18.6	0.50	µg/L	20.0		92.8	70-130		20	
LCS Dup (U5J2129-BSD1)				Prepared & Analyzed: 10/21/15						
Surrogate: 4-Bromofluorobenzene	*24.7*		*µg/L*	*25.0*		*98.7*	*70-130*			
Surrogate: Dibromofluoromethane	*25.4*		*µg/L*	*25.0*		*102*	*70-130*			
Surrogate: Toluene-d8	*25.2*		*µg/L*	*25.0*		*101*	*70-130*			
1,1-Dichloroethene	18.6	0.50	µg/L	19.8		93.9	70-130	4.01	20	
Benzene	18.1	0.50	µg/L	20.0		90.5	70-130	1.92	20	
Trichloroethene (TCE)	17.4	0.50	µg/L	20.0		87.0	70-130	2.89	20	
Toluene	18.5	0.50	µg/L	19.9		92.8	70-130	2.41	20	
Chlorobenzene	18.3	0.50	µg/L	20.0		91.4	70-130	1.41	20	

MOORE TWINING ASSOCIATES, INC.

CHAIN OF CUSTODY/ANALYSIS REQUEST

2527 FRESNO STREET • FRESNO, CA 93721 • PHONE (559) 268-7021 • FAX: (559) 268-0740

ANALYTICAL CHEMISTRY DIVISION
CALIFORNIA ELAP CERTIFICATION # 1371

WORK ORDER #: BJ22006

PAGE 1 OF 2

ATTENTION: Jim Anderson	ATTENTION:
NAME: Malaga County Water District	NAME:
ADDRESS: 3580 S. Frank	ADDRESS:
Fresno, CA 93725	
PHONE: (559) 485-7353	PHONE:
FAX: (559) 495-1070	FAX:

☐ STANDARD FORMAT
☐ EDT (STATE FORM)
☐ GEOTRACKER/COELT (LUFT)
☐ PDF ☐ EXCEL
☐ County DHS :
☐ Environmental Health Agency :
☐ OTHER:

SAMPLE INFORMATION

SAMPLED BY (PRINT): Burt S.

SIGNATURE:

☐ PUBLIC SYSTEM ☒ ROUTINE
☐ PRIVATE WELL ☐ REPEAT
☐ OTHER ☐ REPLACEMENT

TURN AROUND TIME: ☐ RUSH, DUE ON:
☒ STANDARD

SAMPLE TYPES:

SOLID:
BS – BIOSOLID
CR – CERAMIC
SL – SOIL/SOLID

LIQUID:
DW – DRINKING WATER
GW – GROUND WATER
OL – OIL
SF – SURFACE WATER
~~ST – STORM WATER~~
WW – WASTE WATER

PROJECT INFORMATION

CONTRACT/P.O. NO.:

PROJECT: Local Limits Testing

PROJECT NUMBER: PPG

ANALYSIS REQUESTED

NOTES ON RECEIVED CONDITION:
☐ CUSTODY SEAL(S) BROKEN ☐ SAMPLE(S) DAMAGED
☐ ON ICE ☐ AMBIENT TEMP. ☐ INCORRECT PRESERVATION

LAB USE	CLIENT SAMPLE ID	DATE	TIME	TYPE	As, Al, Ba, B, Cd, Cu, Cr, Fe	Hg, Mo, Ni, Pb, Ag, Se, Zn	Ec, BOD, TSS	Ammonia, TKP	Cl, NO3-N, NO2-N, TDS, MBAS	EPA 624 Benzene	EPA 625 Phenols	EPA 1664 Oil and Grease	Cyanide		
1	PPG 102215 TPC	Start: 10/21 End: 10/22	Start: 10:00 End: 10:00	WW Co	X	X	X	X	X						
2	PPG 102215 G	10/22	1015	WW Gr						X	X	X	X		

Comments:
10:25 pH 8.16
10:25 EC 562

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY
Burt S	MALAGA	10/22/15	1116	[signature]	MTA

Sample Integrity

Page 2 of 2

Moore Twining Associates
WO# BJ22006

MTA Bottles: Yes or No

COC Info

Was temperature within range? Chemistry ≤6°C Micro <10°C Temp_____°C	Yes No N/A	Did all bottle labels agree with COC?	Yes No N/A
If samples were taken today, is there evidence that chilling has begun? Recvd_____C°	Yes No N/A	Was a sufficient amount of sample received?	Yes No N/A
Did all bottles arrive unbroken and intact?	Yes No N/A	Were correct containers and preservatives received for the tests requested?	Yes No N/A
Do samples have a hold time <72 hours?	Yes No N/A		

Were there bubbles in VOA vials? (**Volatiles Only**)	Yes No N/A
Was PM notified of discrepancies? PM: By/Time:	Yes No N/A

Bottles Received

125ml (A) 250ml (B) 1Liter (C) 40ml VOA (V)	1	2
Bacti $Na_2S_2O_3$		
None (P)	3C	2C
Cr6 Buffer (P) Borate Carbonate Buffer		
HNO_3 (P)	NA	
H_2SO_4 (P)	NA	
NaOH (P)		NA
NaOH+ZnAc (P)		
Dissolved Oxygen 300ml (P)		
None (AG)		2C
None (CG) 500ml		
$Na_2S_2O_3$ 250ml (Brown P) 549		
$Na_2S_2O_3$ (AG)		
$Na_2S_2O_3$ (AG)		
Thio/K Citrate		
NH_4Cl (AG) 552		
HCl (AG)		1 C/3V
None (CG) 500ml		
H_3PO_4 (AG)		
Other:		
Plastic Bag		
Low Level Hg/Metals Double Bag		
Client Own		
Glass Jar: 125/ 250/ 500		
Soil Tube: Brass/ Steel/ Plastic		
5 g Encore		

Comments

Filter or Split

	Container	Preservative	Date/Time/Initials
S P F			
S P F			
S P F			
S P F			
S P F			

Labeled by: [illegible] @ 1246

Labels checked by: [illegible] @ 1515

FL-SC-0003-06

SIU Annual Sampling Results: WestRock, CP LLC

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

December 10, 2015

Work Order #: BJ27008

Jim Anderson
Malaga County Water District
3580 S. Frank
Fresno, CA 93725

RE: Local Limits Testing

Enclosed are the analytical results for samples received by our laboratory on 10/27/15 . For your reference, these analyses have been assigned laboratory work order number BJ27008 .

All analyses have been performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, Moore Twining Associates, Inc. (MTA) is not responsible for use of less than complete reports. Results apply only to samples analyzed.

If you have any questions, please feel free to contact us at the number listed above.

Sincerely,

Moore Twining Associates, Inc.

Julio Morales
Client Services Supervisor

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Rocktenn 102615G	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/10/2015

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Rocktenn 102615G	BJ27008-01	Waste Water	10/26/15 12:25	10/27/15 10:35

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Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Rocktenn 102615G	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/10/2015

Rocktenn 102615G

BJ27008-01 (Waste Water) Sampled:10/26/15 12:25

Analyte	Flag	Result	Reporting Limit	MDL	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Method
Inorganics											
Ammonia as N		ND	1.0	0.038	mg/L	1	U5J3011	MPA	10/30/15 9:41	11/2/15 13:59	EPA 350.1
Biochemical Oxygen Demand		**3.7**	1.0	1.0	mg/L	1	U5J2725	CMG	10/28/15 9:00	11/2/15 16:30	SM5210B
Chloride		**24**	4.0	0.037	mg/L	2	U5J2721	ETH	10/27/15 14:07	10/27/15 18:41	EPA 300.0
Cyanide (total)		ND	5.0	2.8	µg/L	1	U5K0624	JTN	11/9/15 7:18	11/9/15 12:10	SM4500CN-E
Specific Conductance (EC)		**640**	1.0	0.26	µS/cm	1	U5J2830	CMG	10/28/15 18:14	10/29/15 1:06	SM2510B
Nitrate as Nitrogen		**5.6**	0.90	0.0080	mg/L	2	[CALC]	ETH	10/27/15 18:41	10/27/15 18:41	EPA 300.0
Nitrate as NO3		**25**	4.0	0.035	mg/L	2	U5J2721	ETH	10/27/15 14:07	10/27/15 18:41	EPA 300.0
Nitrite as N		ND	0.60	0.021	mg/L	2	U5J2721	ETH	10/27/15 14:07	10/27/15 18:41	EPA 300.0
Total Dissolved Solids		**390**	10	8.1	mg/L	1	U5J2910	MMJ	10/29/15 14:46	10/30/15 16:10	SM 2540C
Total Suspended Solids		**7.2**	4.0	0.23	mg/L	1	U5J2812	MMJ	10/28/15 12:35	10/29/15 9:05	SM 2540D
Metals - Totals											
Aluminum		ND	0.050	0.0072	mg/L	1	U5J2613	DAR	10/30/15 13:05	11/2/15 21:49	EPA 200.7
Arsenic	J	**0.0072**	0.010	0.0023	mg/L	1	U5J2613	DAR	10/30/15 13:05	11/2/15 21:49	EPA 200.7
Barium		**0.054**	0.010	0.00013	mg/L	1	U5J2613	DAR	10/30/15 13:05	11/2/15 21:49	EPA 200.7
Boron	J	**0.040**	0.050	0.00083	mg/L	1	U5J2613	DAR	10/30/15 13:05	11/2/15 21:49	EPA 200.7
Cadmium		ND	0.0010	0.00020	mg/L	1	U5J2613	DAR	10/30/15 13:05	11/2/15 21:49	EPA 200.7
Chromium		**0.0073**	0.0050	0.00091	mg/L	1	U5J2613	DAR	10/30/15 13:05	11/2/15 21:49	EPA 200.7
Copper		**0.022**	0.0050	0.00095	mg/L	1	U5J2613	DAR	10/30/15 13:05	11/2/15 21:49	EPA 200.7
Iron		ND	0.10	0.017	mg/L	1	U5J2613	DAR	10/30/15 13:05	11/2/15 21:49	EPA 200.7
Lead		ND	0.0050	0.0014	mg/L	1	U5J2613	DAR	10/30/15 13:05	11/2/15 21:49	EPA 200.7
Mercury		ND	0.20	0.035	µg/L	1	U5K0317	JTN	11/4/15 6:48	11/4/15 13:01	EPA 245.2
Molybdenum		**0.0059**	0.0050	0.00075	mg/L	1	U5J2613	DAR	10/30/15 13:05	11/3/15 20:25	EPA 200.7
Nickel	J	**0.0021**	0.0050	0.00051	mg/L	1	U5J2613	DAR	10/30/15 13:05	11/2/15 21:49	EPA 200.7
Selenium	J	**0.0044**	0.020	0.0018	mg/L	1	U5J2613	DAR	10/30/15 13:05	11/2/15 21:49	EPA 200.7
Silver		ND	0.0050	0.0011	mg/L	1	U5J2613	DAR	10/30/15 13:05	11/2/15 21:49	EPA 200.7
Zinc		**0.0088**	0.0050	0.00080	mg/L	1	U5J2613	DAR	10/30/15 13:05	11/2/15 21:49	EPA 200.7
Semi-Volatile Organics											
Phenol		ND	5.0	0.63	µg/L	1	U5J2802	FFP	10/28/15 7:53	11/4/15 2:11	EPA 625
2-Chlorophenol		ND	5.0	0.69	µg/L	1	U5J2802	FFP	10/28/15 7:53	11/4/15 2:11	EPA 625
2-Methylphenol		ND	5.0	0.93	µg/L	1	U5J2802	FFP	10/28/15 7:53	11/4/15 2:11	EPA 625
3-Methylphenol		ND	5.0	0.96	µg/L	1	U5J2802	FFP	10/28/15 7:53	11/4/15 2:11	EPA 625
4-Methylphenol		ND	5.0	1.1	µg/L	1	U5J2802	FFP	10/28/15 7:53	11/4/15 2:11	EPA 625
2-Nitrophenol		ND	5.0	1.3	µg/L	1	U5J2802	FFP	10/28/15 7:53	11/4/15 2:11	EPA 625

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California ELAP Certificate #1371

Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Rocktenn 102615G	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/10/2015

Rocktenn 102615G

BJ27008-01 (Waste Water) Sampled:10/26/15 12:25

Analyte	Flag	Result	Reporting Limit	MDL	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Method
Semi-Volatile Organics											
2,4-Dimethylphenol		ND	5.0	1.2	µg/L	1	U5J2802	FFP	10/28/15 7:53	11/4/15 2:11	EPA 625
2,4-Dichlorophenol		ND	5.0	0.79	µg/L	1	U5J2802	FFP	10/28/15 7:53	11/4/15 2:11	EPA 625
2,6-Dichlorophenol		ND	5.0	0.59	µg/L	1	U5J2802	FFP	10/28/15 7:53	11/4/15 2:11	EPA 625
4-Chloro-3-methylphenol		ND	5.0	0.57	µg/L	1	U5J2802	FFP	10/28/15 7:53	11/4/15 2:11	EPA 625
2,4,5-Trichlorophenol		ND	5.0	2.3	µg/L	1	U5J2802	FFP	10/28/15 7:53	11/4/15 2:11	EPA 625
2,4,6-Trichlorophenol		ND	5.0	2.5	µg/L	1	U5J2802	FFP	10/28/15 7:53	11/4/15 2:11	EPA 625
2,4-Dinitrophenol		ND	5.0	1.9	µg/L	1	U5J2802	FFP	10/28/15 7:53	11/4/15 2:11	EPA 625
4-Nitrophenol		ND	5.0	1.6	µg/L	1	U5J2802	FFP	10/28/15 7:53	11/4/15 2:11	EPA 625
2,3,4,6-Tetrachlorophenol		ND	5.0	0.59	µg/L	1	U5J2802	FFP	10/28/15 7:53	11/4/15 2:11	EPA 625
4,6-Dinitro-2-methylphenol		ND	5.0	0.51	µg/L	1	U5J2802	FFP	10/28/15 7:53	11/4/15 2:11	EPA 625
Pentachlorophenol		ND	5.0	1.3	µg/L	1	U5J2802	FFP	10/28/15 7:53	11/4/15 2:11	EPA 625
Surrogate: 2-Fluorophenol		*43.5 %*	*22-92*				*U5J2802*		10/28/15 7:53	11/4/15 2:11	*EPA 625*
Surrogate: Phenol-d5		*29.4 %*	*10-94*				*U5J2802*		10/28/15 7:53	11/4/15 2:11	*EPA 625*
Surrogate: 2,4,6-Tribromophenol		*66.9 %*	*49-138*				*U5J2802*		10/28/15 7:53	11/4/15 2:11	*EPA 625*
Total Oil & Grease (HEM)		ND	1.0	0.17	mg/L	1	U5J2902	BBA	10/29/15 8:55	10/30/15 15:30	EPA 1664A
Volatile Organics											
Chloromethane	**J**	**0.29**	0.50	0.16	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 14:42	EPA 624
Vinyl chloride		ND	0.50	0.16	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 14:42	EPA 624
Bromomethane		ND	1.0	0.32	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 14:42	EPA 624
Chloroethane		ND	0.50	0.16	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 14:42	EPA 624
Trichlorofluoromethane (CFC-11)		ND	0.50	0.13	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 14:42	EPA 624
Trichlorotrifluoroethane (CFC-113)		ND	1.0	0.11	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 14:42	EPA 624
1,1-Dichloroethene		ND	0.50	0.14	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 14:42	EPA 624
Acrolein		ND	10	1.5	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 14:42	EPA 624
Methylene chloride		ND	1.0	0.20	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 14:42	EPA 624
trans-1,2-Dichloroethene		ND	0.50	0.11	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 14:42	EPA 624
Methyl tert-Butyl Ether (MTBE)		ND	1.0	0.36	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 14:42	EPA 624
1,1-Dichloroethane		ND	0.50	0.12	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 14:42	EPA 624
Acrylonitrile		ND	5.0	2.9	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 14:42	EPA 624
cis-1,2-Dichloroethene		ND	0.50	0.15	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 14:42	EPA 624
Chloroform		ND	0.50	0.14	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 14:42	EPA 624
Carbon tetrachloride		ND	0.50	0.16	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 14:42	EPA 624
1,1,1-Trichloroethane (TCA)		ND	0.50	0.16	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 14:42	EPA 624

MOORE TWINING ASSOCIATES, INC.

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California ELAP Certificate #1371

Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Rocktenn 102615G	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/10/2015

Rocktenn 102615G

BJ27008-01 (Waste Water) Sampled:10/26/15 12:25

Analyte	Flag	Result	Reporting Limit	MDL	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Method
Volatile Organics											
1,1-Dichloropropene		ND	0.50	0.12	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 14:42	EPA 624
Benzene		ND	0.50	0.10	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 14:42	EPA 624
1,2-Dichloroethane (1,2-DCA)		ND	0.50	0.10	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 14:42	EPA 624
Trichloroethene (TCE)		ND	0.50	0.17	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 14:42	EPA 624
1,2-Dichloropropane		ND	0.50	0.10	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 14:42	EPA 624
Bromodichloromethane		ND	0.50	0.13	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 14:42	EPA 624
2-Chloroethylvinyl ether		ND	1.0	0.33	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 14:42	EPA 624
cis-1,3-Dichloropropene		ND	0.50	0.11	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 14:42	EPA 624
Toluene		ND	0.50	0.27	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 14:42	EPA 624
trans-1,3-Dichloropropene		ND	0.50	0.14	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 14:42	EPA 624
Tetrachloroethene (PCE)		ND	0.50	0.12	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 14:42	EPA 624
1,1,2-Trichloroethane		ND	0.50	0.12	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 14:42	EPA 624
Dibromochloromethane		ND	0.50	0.11	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 14:42	EPA 624
1,2-Dibromoethane (EDB)		ND	0.50	0.22	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 14:42	EPA 624
Ethylbenzene		ND	0.50	0.10	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 14:42	EPA 624
Chlorobenzene		ND	0.50	0.10	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 14:42	EPA 624
1,1,1,2-Tetrachloroethane		ND	0.50	0.12	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 14:42	EPA 624
m,p-Xylene		ND	1.0	0.20	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 14:42	EPA 624
o-Xylene		ND	0.50	0.10	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 14:42	EPA 624
Styrene		ND	0.50	0.10	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 14:42	EPA 624
Bromoform		ND	1.0	0.12	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 14:42	EPA 624
1,1,2,2-Tetrachloroethane		ND	1.0	0.21	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 14:42	EPA 624
1,2,3-Trichloropropane (123TCP)		ND	0.50	0.29	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 14:42	EPA 624
1,3-Dichlorobenzene		ND	0.50	0.040	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 14:42	EPA 624
1,4-Dichlorobenzene		ND	0.50	0.10	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 14:42	EPA 624
1,2-Dichlorobenzene		ND	0.50	0.12	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 14:42	EPA 624
1,2,4-Trichlorobenzene		ND	1.0	0.10	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 14:42	EPA 624
Hexachlorobutadiene		ND	1.0	0.10	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 14:42	EPA 624
Naphthalene		ND	0.50	0.15	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 14:42	EPA 624
Xylenes		ND	2.0		µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 14:42	EPA 624
Surrogate: 4-Bromofluorobenzene		*93.9 %*	*70-130*				*U5J3002*		10/30/15 10:00	10/30/15 14:42	*EPA 624*
Surrogate: Dibromofluoromethane		*107 %*	*70-130*				*U5J3002*		10/30/15 10:00	10/30/15 14:42	*EPA 624*
Surrogate: Toluene-d8		*104 %*	*70-130*				*U5J3002*		10/30/15 10:00	10/30/15 14:42	*EPA 624*

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Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Rocktenn 102615G	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/10/2015

Notes and Definitions

J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag). Same as DNQ - Detected, but Not Quantified.
ug/L	micrograms per liter (parts per billion concentration units)
mg/kg	milligrams per kilogram (parts per million concentration units)
mg/L	milligrams per Liter (parts per million concentration units)
ND	Analyte NOT DETECTED at or above the Minimum Detection Limit (MDL)
RPD	Relative Percent Difference

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3580 S. Frank	Project Number: Rocktenn 102615G	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/10/2015

Inorganics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J2721 - EPA 300.0										
Blank (U5J2721-BLK1)				Prepared & Analyzed: 10/27/15						
Chloride	ND	2.0	mg/L							
Nitrite as N	ND	0.30	mg/L							
Nitrate as NO3	ND	2.0	mg/L							
LCS (U5J2721-BS1)				Prepared & Analyzed: 10/27/15						
Nitrite as N	4.68	0.30	mg/L	5.00		93.6	90-110		20	
Chloride	46.9	2.0	mg/L	50.0		93.9	90-110		20	
Nitrate as NO3	47.3	2.0	mg/L	50.0		94.5	90-110		20	
LCS Dup (U5J2721-BSD1)				Prepared & Analyzed: 10/27/15						
Chloride	46.4	2.0	mg/L	50.0		92.7	90-110	1.26	20	
Nitrite as N	4.66	0.30	mg/L	5.00		93.2	90-110	0.373	20	
Nitrate as NO3	46.8	2.0	mg/L	50.0		93.5	90-110	1.05	20	
Matrix Spike (U5J2721-MS1)		**Source: BJ26025-07**		Prepared & Analyzed: 10/27/15						
Nitrite as N	19.2	1.2	mg/L	20.0	ND	96.1	80-120		20	
Chloride	220	8.0	mg/L	200	31.1	94.7	48-147		15	
Nitrate as NO3	219	8.0	mg/L	200	30.9	94.1	70-130		20	
Matrix Spike (U5J2721-MS2)		**Source: BJ27011-02**		Prepared & Analyzed: 10/27/15						
Nitrite as N	19.6	1.2	mg/L	20.0	ND	98.1	80-120		20	
Chloride	223	8.0	mg/L	200	33.2	95.0	48-147		15	
Nitrate as NO3	249	8.0	mg/L	200	61.8	93.4	70-130		20	
Matrix Spike Dup (U5J2721-MSD1)		**Source: BJ26025-07**		Prepared & Analyzed: 10/27/15						
Nitrite as N	19.1	1.2	mg/L	20.0	ND	95.3	80-120	0.828	20	
Chloride	215	8.0	mg/L	200	31.1	92.2	48-147	2.28	15	
Nitrate as NO3	216	8.0	mg/L	200	30.9	92.7	70-130	1.25	20	
Matrix Spike Dup (U5J2721-MSD2)		**Source: BJ27011-02**		Prepared & Analyzed: 10/27/15						
Nitrite as N	19.4	1.2	mg/L	20.0	ND	96.9	80-120	1.20	20	
Chloride	219	8.0	mg/L	200	33.2	92.8	48-147	1.99	15	
Nitrate as NO3	244	8.0	mg/L	200	61.8	91.3	70-130	1.70	20	
Batch U5J2725 - SM5210B										
Blank (U5J2725-BLK1)				Prepared: 10/28/15 Analyzed: 11/02/15						
Biochemical Oxygen Demand	ND	1.0	mg/L							
LCS (U5J2725-BS1)				Prepared: 10/28/15 Analyzed: 11/02/15						

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California ELAP Certificate #1371

Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Rocktenn 102615G	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/10/2015

Inorganics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J2725 - SM5210B										
LCS (U5J2725-BS1)				Prepared: 10/28/15 Analyzed: 11/02/15						
Biochemical Oxygen Demand	175	50	mg/L	198		88.6	85-115		20	
LCS Dup (U5J2725-BSD1)				Prepared: 10/28/15 Analyzed: 11/02/15						
Biochemical Oxygen Demand	188	50	mg/L	198		94.9	85-115	6.88	20	
Duplicate (U5J2725-DUP1)		**Source: BJ27010-01**		Prepared: 10/28/15 Analyzed: 11/02/15						
Biochemical Oxygen Demand	255	100	mg/L		302			16.9	20	
Duplicate (U5J2725-DUP2)		**Source: BJ27030-01**		Prepared: 10/28/15 Analyzed: 11/02/15						
Biochemical Oxygen Demand	338	100	mg/L		324			4.23	20	
Batch U5J2812 - SM 2540D										
Blank (U5J2812-BLK1)				Prepared: 10/28/15 Analyzed: 10/29/15						
Total Suspended Solids	ND	4.0	mg/L							
Duplicate (U5J2812-DUP1)		**Source: BJ26021-01**		Prepared: 10/28/15 Analyzed: 10/29/15						
Total Suspended Solids	69	20	mg/L		74			6.99	20	
Duplicate (U5J2812-DUP2)		**Source: BJ26021-02**		Prepared: 10/28/15 Analyzed: 10/29/15						
Total Suspended Solids	34	20	mg/L		35			2.90	20	
Batch U5J2830 - SM2510B										
Blank (U5J2830-BLK1)				Prepared: 10/28/15 Analyzed: 10/29/15						
Specific Conductance (EC)	ND	1.0	µS/cm							
LCS (U5J2830-BS1)				Prepared: 10/28/15 Analyzed: 10/29/15						
Specific Conductance (EC)	528	1.0	µS/cm	500		106	80-120		20	
LCS Dup (U5J2830-BSD1)				Prepared: 10/28/15 Analyzed: 10/29/15						
Specific Conductance (EC)	527	1.0	µS/cm	500		105	80-120	0.194	20	
Duplicate (U5J2830-DUP1)		**Source: BJ27005-01**		Prepared: 10/28/15 Analyzed: 10/29/15						
Specific Conductance (EC)	844	1.0	µS/cm		843			0.121	20	
Duplicate (U5J2830-DUP2)		**Source: BJ27008-01**		Prepared: 10/28/15 Analyzed: 10/29/15						
Specific Conductance (EC)	633	1.0	µS/cm		635			0.320	20	
Batch U5J2910 - SM 2540C										
Blank (U5J2910-BLK1)				Prepared: 10/29/15 Analyzed: 10/30/15						
Total Dissolved Solids	ND	10	mg/L							
LCS (U5J2910-BS1)				Prepared: 10/29/15 Analyzed: 10/30/15						

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Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Rocktenn 102615G	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/10/2015

Inorganics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J2910 - SM 2540C										
Total Dissolved Solids	244	10	mg/L	240		102	80-120		20	
LCS Dup (U5J2910-BSD1)				Prepared: 10/29/15 Analyzed: 10/30/15						
Total Dissolved Solids	242	10	mg/L	240		101	80-120	0.821	20	
Duplicate (U5J2910-DUP1)		**Source: BJ27036-01**		Prepared: 10/29/15 Analyzed: 10/30/15						
Total Dissolved Solids	1530	20	mg/L		1580			3.16	20	
Duplicate (U5J2910-DUP2)		**Source: BJ26031-02**		Prepared: 10/29/15 Analyzed: 10/30/15						
Total Dissolved Solids	324	10	mg/L		338			4.38	20	
Batch U5J3011 - EPA 350.1										
Blank (U5J3011-BLK1)				Prepared: 10/30/15 Analyzed: 11/02/15						
Ammonia as N	0.140	1.0	mg/L							J
LCS (U5J3011-BS1)				Prepared: 10/30/15 Analyzed: 11/02/15						
Ammonia as N	24.2	1.0	mg/L	22.5		108	80-120		20	
LCS Dup (U5J3011-BSD1)				Prepared: 10/30/15 Analyzed: 11/02/15						
Ammonia as N	23.2	1.0	mg/L	22.5		103	80-120	4.13	20	
Matrix Spike (U5J3011-MS2)		**Source: BJ28001-04**		Prepared: 10/30/15 Analyzed: 11/02/15						
Ammonia as N	23.7	1.0	mg/L	22.5	ND	106	80-120		20	
Matrix Spike Dup (U5J3011-MSD2)		**Source: BJ28001-04**		Prepared: 10/30/15 Analyzed: 11/02/15						
Ammonia as N	24.1	1.0	mg/L	22.5	ND	107	80-120	1.67	20	
Batch U5K0624 - SM4500CN-E										
Blank (U5K0624-BLK1)				Prepared & Analyzed: 11/09/15						
Cyanide (total)	ND	5.0	µg/L							
LCS (U5K0624-BS1)				Prepared & Analyzed: 11/09/15						
Cyanide (total)	48.3	5.0	µg/L	50.0		96.6	80-120		20	
LCS Dup (U5K0624-BSD1)				Prepared & Analyzed: 11/09/15						
Cyanide (total)	47.8	5.0	µg/L	50.0		95.6	80-120	1.04	20	
Matrix Spike (U5K0624-MS1)		**Source: BK03008-01**		Prepared & Analyzed: 11/09/15						
Cyanide (total)	49.1	5.0	µg/L	50.0	ND	98.2	80-120		20	
Matrix Spike Dup (U5K0624-MSD1)		**Source: BK03008-01**		Prepared & Analyzed: 11/09/15						
Cyanide (total)	47.8	5.0	µg/L	50.0	ND	95.6	80-120	2.68	20	

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Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Rocktenn 102615G	Reported:
Fresno CA, 93725	Project Manager: Jim Anderson	12/10/2015

Metals - Totals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J2613 - EPA 200.7										
Blank (U5J2613-BLK1)				Prepared: 10/30/15 Analyzed: 11/02/15						
Lead	ND	0.0050	mg/L							
Selenium	ND	0.020	mg/L							
Aluminum	ND	0.050	mg/L							
Arsenic	ND	0.010	mg/L							
Barium	ND	0.010	mg/L							
Silver	ND	0.0050	mg/L							
Zinc	ND	0.0050	mg/L							
Iron	ND	0.10	mg/L							
Molybdenum	0.00274	0.0050	mg/L							J
Cadmium	0.000225	0.0010	mg/L							J
Chromium	ND	0.0050	mg/L							
Boron	0.0102	0.050	mg/L							J
Copper	ND	0.0050	mg/L							
Nickel	0.00136	0.0050	mg/L							J
LCS (U5J2613-BS1)				Prepared: 10/30/15 Analyzed: 11/02/15						
Silver	0.107	0.0050	mg/L	0.100		107	85-115		20	
Lead	0.101	0.0050	mg/L	0.100		101	85-115		20	
Selenium	0.378	0.020	mg/L	0.400		94.6	85-115		20	
Iron	2.00	0.10	mg/L	2.00		99.9	85-115		20	
Barium	0.195	0.010	mg/L	0.200		97.6	85-115		20	
Molybdenum	0.0996	0.0050	mg/L	0.100		99.6	85-115		20	
Boron	0.958	0.050	mg/L	1.00		95.8	85-115		20	
Aluminum	0.916	0.050	mg/L	1.00		91.6	85-115		20	
Nickel	0.107	0.0050	mg/L	0.100		107	85-115		20	
Copper	0.0995	0.0050	mg/L	0.100		99.5	85-115		20	
Arsenic	0.203	0.010	mg/L	0.200		101	85-115		20	
Chromium	0.102	0.0050	mg/L	0.100		102	85-115		20	
Zinc	0.107	0.0050	mg/L	0.100		107	85-115		20	
Cadmium	0.0208	0.0010	mg/L	0.0200		104	85-115		20	
LCS Dup (U5J2613-BSD1)				Prepared: 10/30/15 Analyzed: 11/02/15						
Silver	0.105	0.0050	mg/L	0.100		105	85-115	1.53	20	
Nickel	0.107	0.0050	mg/L	0.100		107	85-115	0.0541	20	
Copper	0.0983	0.0050	mg/L	0.100		98.3	85-115	1.17	20	
Arsenic	0.202	0.010	mg/L	0.200		101	85-115	0.0861	20	

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3580 S. Frank	Project Number: Rocktenn 102615G	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/10/2015

Metals - Totals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J2613 - EPA 200.7										
LCS Dup (U5J2613-BSD1)				Prepared: 10/30/15 Analyzed: 11/02/15						
Chromium	0.101	0.0050	mg/L	0.100		101	85-115	0.874	20	
Molybdenum	0.100	0.0050	mg/L	0.100		100	85-115	0.729	20	
Iron	2.03	0.10	mg/L	2.00		102	85-115	1.76	20	
Cadmium	0.0208	0.0010	mg/L	0.0200		104	85-115	0.0150	20	
Boron	0.990	0.050	mg/L	1.00		99.0	85-115	3.30	20	
Barium	0.195	0.010	mg/L	0.200		97.3	85-115	0.351	20	
Zinc	0.108	0.0050	mg/L	0.100		108	85-115	0.286	20	
Aluminum	0.939	0.050	mg/L	1.00		93.9	85-115	2.46	20	
Selenium	0.384	0.020	mg/L	0.400		95.9	85-115	1.43	20	
Lead	0.102	0.0050	mg/L	0.100		102	85-115	0.938	20	
Matrix Spike (U5J2613-MS1)		**Source: BJ21056-01**		Prepared: 10/30/15 Analyzed: 11/02/15						
Molybdenum	0.209	0.010	mg/L	0.200	0.00881	100	70-130		20	
Selenium	0.726	0.040	mg/L	0.800	0.00284	90.7	70-130		20	
Aluminum	1.92	0.10	mg/L	2.00	ND	95.8	70-130		20	
Zinc	0.322	0.010	mg/L	0.200	0.121	100	70-130		20	
Nickel	0.198	0.010	mg/L	0.200	0.00160	98.4	70-130		20	
Lead	0.193	0.010	mg/L	0.200	ND	96.7	70-130		20	
Silver	0.204	0.010	mg/L	0.200	ND	102	70-130		20	
Cadmium	0.0401	0.0020	mg/L	0.0400	ND	100	70-130		20	
Iron	4.09	0.20	mg/L	4.00	ND	102	70-130		20	
Boron	2.18	0.10	mg/L	2.00	0.147	102	70-130		20	
Copper	0.194	0.010	mg/L	0.200	0.0104	91.7	70-130		20	
Chromium	0.205	0.010	mg/L	0.200	ND	102	70-130		20	
Barium	0.447	0.020	mg/L	0.400	0.0631	95.9	70-130		20	
Arsenic	0.402	0.020	mg/L	0.400	0.00472	99.4	70-130		20	
Matrix Spike (U5J2613-MS2)		**Source: BJ27008-01**		Prepared: 10/30/15 Analyzed: 11/02/15						
Boron	1.99	0.10	mg/L	2.00	0.0403	97.7	70-130		20	
Selenium	0.719	0.040	mg/L	0.800	0.00439	89.3	70-130		20	
Arsenic	0.402	0.020	mg/L	0.400	0.00716	98.6	70-130		20	
Barium	0.435	0.020	mg/L	0.400	0.0539	95.3	70-130		20	
Cadmium	0.0410	0.0020	mg/L	0.0400	ND	103	70-130		20	
Molybdenum	0.202	0.010	mg/L	0.200	0.00593	98.2	70-130		20	
Lead	0.200	0.010	mg/L	0.200	ND	99.8	70-130		20	
Iron	4.06	0.20	mg/L	4.00	ND	101	70-130		20	

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Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Rocktenn 102615G	Reported:
Fresno CA, 93725	Project Manager: Jim Anderson	12/10/2015

Metals - Totals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J2613 - EPA 200.7										
Matrix Spike (U5J2613-MS2)		**Source: BJ27008-01**		Prepared: 10/30/15 Analyzed: 11/02/15						
Chromium	0.211	0.010	mg/L	0.200	0.00725	102	70-130		20	
Silver	0.202	0.010	mg/L	0.200	ND	101	70-130		20	
Aluminum	1.86	0.10	mg/L	2.00	ND	93.2	70-130		20	
Copper	0.219	0.010	mg/L	0.200	0.0220	98.7	70-130		20	
Nickel	0.210	0.010	mg/L	0.200	0.00210	104	70-130		20	
Zinc	0.218	0.010	mg/L	0.200	0.00881	104	70-130		20	
Matrix Spike Dup (U5J2613-MSD1)		**Source: BJ21056-01**		Prepared: 10/30/15 Analyzed: 11/02/15						
Barium	0.446	0.020	mg/L	0.400	0.0631	95.8	70-130	0.0849	20	
Aluminum	1.87	0.10	mg/L	2.00	ND	93.4	70-130	2.51	20	
Arsenic	0.403	0.020	mg/L	0.400	0.00472	99.7	70-130	0.302	20	
Iron	4.11	0.20	mg/L	4.00	ND	103	70-130	0.563	20	
Lead	0.193	0.010	mg/L	0.200	ND	96.3	70-130	0.481	20	
Silver	0.201	0.010	mg/L	0.200	ND	101	70-130	1.42	20	
Cadmium	0.0403	0.0020	mg/L	0.0400	ND	101	70-130	0.293	20	
Molybdenum	0.215	0.010	mg/L	0.200	0.00881	103	70-130	2.88	20	
Zinc	0.330	0.010	mg/L	0.200	0.121	104	70-130	2.36	20	
Boron	2.21	0.10	mg/L	2.00	0.147	103	70-130	1.24	20	
Selenium	0.740	0.040	mg/L	0.800	0.00284	92.5	70-130	1.94	20	
Copper	0.195	0.010	mg/L	0.200	0.0104	92.3	70-130	0.567	20	
Chromium	0.202	0.010	mg/L	0.200	ND	101	70-130	1.32	20	
Nickel	0.199	0.010	mg/L	0.200	0.00160	98.6	70-130	0.148	20	
Matrix Spike Dup (U5J2613-MSD2)		**Source: BJ27008-01**		Prepared: 10/30/15 Analyzed: 11/02/15						
Nickel	0.208	0.010	mg/L	0.200	0.00210	103	70-130	0.745	20	
Chromium	0.211	0.010	mg/L	0.200	0.00725	102	70-130	0.168	20	
Copper	0.221	0.010	mg/L	0.200	0.0220	99.7	70-130	0.892	20	
Molybdenum	0.206	0.010	mg/L	0.200	0.00593	100	70-130	1.74	20	
Barium	0.441	0.020	mg/L	0.400	0.0539	96.7	70-130	1.27	20	
Arsenic	0.415	0.020	mg/L	0.400	0.00716	102	70-130	3.35	20	
Aluminum	1.89	0.10	mg/L	2.00	ND	94.4	70-130	1.35	20	
Silver	0.204	0.010	mg/L	0.200	ND	102	70-130	0.858	20	
Boron	2.08	0.10	mg/L	2.00	0.0403	102	70-130	4.09	20	
Selenium	0.731	0.040	mg/L	0.800	0.00439	90.8	70-130	1.63	20	
Cadmium	0.0412	0.0020	mg/L	0.0400	ND	103	70-130	0.567	20	
Lead	0.204	0.010	mg/L	0.200	ND	102	70-130	2.29	20	

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Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Rocktenn 102615G	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/10/2015

Metals - Totals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J2613 - EPA 200.7										
Matrix Spike Dup (U5J2613-MSD2)		**Source: BJ27008-01**		Prepared: 10/30/15 Analyzed: 11/02/15						
Iron	4.17	0.20	mg/L	4.00	ND	104	70-130	2.88	20	
Zinc	0.220	0.010	mg/L	0.200	0.00881	106	70-130	1.28	20	
Batch U5K0317 - EPA 245.2										
Blank (U5K0317-BLK1)				Prepared & Analyzed: 11/04/15						
Mercury	ND	0.20	µg/L							
LCS (U5K0317-BS1)				Prepared & Analyzed: 11/04/15						
Mercury	5.26	0.20	µg/L	5.00		105	80-120		20	
LCS Dup (U5K0317-BSD1)				Prepared & Analyzed: 11/04/15						
Mercury	5.38	0.20	µg/L	5.00		108	80-120	2.17	20	
Matrix Spike (U5K0317-MS1)		**Source: BJ30024-01**		Prepared & Analyzed: 11/04/15						
Mercury	164	6.0	µg/L	150	ND	109	70-130		20	
Matrix Spike Dup (U5K0317-MSD1)		**Source: BJ30024-01**		Prepared & Analyzed: 11/04/15						
Mercury	164	6.0	µg/L	150	ND	110	70-130	0.118	20	

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Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Rocktenn 102615G	Reported:
Fresno CA, 93725	Project Manager: Jim Anderson	12/10/2015

Semi-Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J2802 - EPA 625										
Blank (U5J2802-BLK1)				Prepared: 10/28/15 Analyzed: 10/29/15						
Surrogate: 2-Fluorophenol	*42.3*		*µg/L*	*100*		*42.3*	*22-92*			
Surrogate: Phenol-d5	*29.4*		*µg/L*	*100*		*29.4*	*10-94*			
Surrogate: 2,4,6-Tribromophenol	*69.2*		*µg/L*	*100*		*69.2*	*49-138*			
Phenol	ND	5.0	µg/L							
2-Chlorophenol	ND	5.0	µg/L							
2-Methylphenol	ND	5.0	µg/L							
3-Methylphenol	ND	5.0	µg/L							
4-Methylphenol	ND	5.0	µg/L							
2-Nitrophenol	ND	5.0	µg/L							
2,4-Dimethylphenol	ND	5.0	µg/L							
2,4-Dichlorophenol	ND	5.0	µg/L							
2,6-Dichlorophenol	ND	5.0	µg/L							
4-Chloro-3-methylphenol	ND	5.0	µg/L							
2,4,5-Trichlorophenol	ND	5.0	µg/L							
2,4,6-Trichlorophenol	ND	5.0	µg/L							
2,4-Dinitrophenol	ND	5.0	µg/L							
4-Nitrophenol	ND	5.0	µg/L							
2,3,4,6-Tetrachlorophenol	ND	5.0	µg/L							
4,6-Dinitro-2-methylphenol	ND	5.0	µg/L							
Pentachlorophenol	ND	5.0	µg/L							
LCS (U5J2802-BS1)				Prepared: 10/28/15 Analyzed: 10/29/15						
Surrogate: 2-Fluorophenol	*45.4*		*µg/L*	*100*		*45.4*	*22-92*			
Surrogate: Phenol-d5	*31.9*		*µg/L*	*100*		*31.9*	*10-94*			
Surrogate: 2,4,6-Tribromophenol	*76.0*		*µg/L*	*100*		*76.0*	*49-138*			
Phenol	16.3	5.0	µg/L	50.0		32.5	5-112		20	
2-Chlorophenol	34.5	5.0	µg/L	50.0		69.0	23-134		20	
4-Chloro-3-methylphenol	35.7	5.0	µg/L	50.0		71.3	22-147		20	
LCS Dup (U5J2802-BSD1)				Prepared: 10/28/15 Analyzed: 10/29/15						
Surrogate: 2-Fluorophenol	*44.4*		*µg/L*	*100*		*44.4*	*22-92*			
Surrogate: Phenol-d5	*31.1*		*µg/L*	*100*		*31.1*	*10-94*			
Surrogate: 2,4,6-Tribromophenol	*71.5*		*µg/L*	*100*		*71.5*	*49-138*			
Phenol	15.7	5.0	µg/L	50.0		31.5	5-112	3.20	20	
2-Chlorophenol	33.1	5.0	µg/L	50.0		66.2	23-134	4.11	20	

MOORE TWINING ASSOCIATES, INC.

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

California ELAP Certificate #1371

Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Rocktenn 102615G	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/10/2015

Semi-Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J2802 - EPA 625										
LCS Dup (U5J2802-BSD1)				Prepared: 10/28/15 Analyzed: 10/29/15						
4-Chloro-3-methylphenol	33.1	5.0	µg/L	50.0		66.2	22-147	7.53	20	
Batch U5J2902 - EPA 1664A										
Blank (U5J2902-BLK1)				Prepared: 10/29/15 Analyzed: 10/30/15						
Total Oil & Grease (HEM)	ND	1.0	mg/L							
LCS (U5J2902-BS1)				Prepared: 10/29/15 Analyzed: 10/30/15						
Total Oil & Grease (HEM)	35.8	1.0	mg/L	40.0		89.6	78-114		20	
LCS Dup (U5J2902-BSD1)				Prepared: 10/29/15 Analyzed: 10/30/15						
Total Oil & Grease (HEM)	37.4	1.0	mg/L	40.0		93.4	78-114	4.10	20	

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Rocktenn 102615G	Reported:
Fresno CA, 93725	Project Manager: Jim Anderson	12/10/2015

Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J3002 - EPA 624										
Blank (U5J3002-BLK1)				Prepared & Analyzed: 10/30/15						
Surrogate: 4-Bromofluorobenzene	*24.0*		*µg/L*	*25.0*		*95.9*	*70-130*			
Surrogate: Dibromofluoromethane	*25.9*		*µg/L*	*25.0*		*104*	*70-130*			
Surrogate: Toluene-d8	*25.2*		*µg/L*	*25.0*		*101*	*70-130*			
Chloromethane	ND	0.50	µg/L							
Vinyl chloride	ND	0.50	µg/L							
Bromomethane	ND	1.0	µg/L							
Chloroethane	ND	0.50	µg/L							
Trichlorofluoromethane (CFC-11)	ND	0.50	µg/L							
Trichlorotrifluoroethane (CFC-113)	ND	1.0	µg/L							
1,1-Dichloroethene	ND	0.50	µg/L							
Acrolein	ND	10	µg/L							
Methylene chloride	ND	1.0	µg/L							
trans-1,2-Dichloroethene	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
Acrylonitrile	ND	5.0	µg/L							
cis-1,2-Dichloroethene	ND	0.50	µg/L							
Chloroform	ND	0.50	µg/L							
Carbon tetrachloride	ND	0.50	µg/L							
1,1,1-Trichloroethane (TCA)	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
Benzene	ND	0.50	µg/L							
1,2-Dichloroethane (1,2-DCA)	ND	0.50	µg/L							
Trichloroethene (TCE)	ND	0.50	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
2-Chloroethylvinyl ether	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
Toluene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Tetrachloroethene (PCE)	ND	0.50	µg/L							
1,1,2-Trichloroethane	ND	0.50	µg/L							
Dibromochloromethane	ND	0.50	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							

MOORE TWINING ASSOCIATES, INC.

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

California ELAP Certificate #1371

Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Rocktenn 102615G	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/10/2015

Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J3002 - EPA 624										
Blank (U5J3002-BLK1)				Prepared & Analyzed: 10/30/15						
Ethylbenzene	ND	0.50	µg/L							
Chlorobenzene	ND	0.50	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
m,p-Xylene	ND	1.0	µg/L							
o-Xylene	ND	0.50	µg/L							
Styrene	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	1.0	µg/L							
1,2,3-Trichloropropane (123TCP)	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	1.0	µg/L							
Naphthalene	ND	0.50	µg/L							
Xylenes	ND	2.0	µg/L							
LCS (U5J3002-BS1)				Prepared & Analyzed: 10/30/15						
Surrogate: 4-Bromofluorobenzene	*24.5*		*µg/L*	*25.0*		*98.0*	*70-130*			
Surrogate: Dibromofluoromethane	*26.8*		*µg/L*	*25.0*		*107*	*70-130*			
Surrogate: Toluene-d8	*25.5*		*µg/L*	*25.0*		*102*	*70-130*			
1,1-Dichloroethene	21.6	0.50	µg/L	20.0		108	70-130		20	
Benzene	21.5	0.50	µg/L	20.0		108	70-130		20	
Trichloroethene (TCE)	20.1	0.50	µg/L	20.0		100	70-130		20	
Toluene	21.0	0.50	µg/L	20.0		105	70-130		20	
Chlorobenzene	20.7	0.50	µg/L	20.0		104	70-130		20	
LCS Dup (U5J3002-BSD1)				Prepared & Analyzed: 10/30/15						
Surrogate: 4-Bromofluorobenzene	*24.4*		*µg/L*	*25.0*		*97.6*	*70-130*			
Surrogate: Dibromofluoromethane	*27.2*		*µg/L*	*25.0*		*109*	*70-130*			
Surrogate: Toluene-d8	*25.4*		*µg/L*	*25.0*		*102*	*70-130*			
1,1-Dichloroethene	20.3	0.50	µg/L	20.0		102	70-130	5.97	20	
Benzene	20.4	0.50	µg/L	20.0		102	70-130	5.50	20	
Trichloroethene (TCE)	19.2	0.50	µg/L	20.0		96.1	70-130	4.33	20	
Toluene	19.7	0.50	µg/L	20.0		98.5	70-130	6.63	20	
Chlorobenzene	19.3	0.50	µg/L	20.0		96.6	70-130	6.84	20	

Date of Report: 12/04/2015

Julio Morales

Moore-Twining Associates
2527 Fresno Street
Fresno, CA 93720

Client Project:	BJ27008
BCL Project:	Water Samples
BCL Work Order:	1529769
Invoice ID:	B220587

Enclosed are the results of analyses for samples received by the laboratory on 11/19/2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Misty Orton
Client Service Rep

Authorized Signature

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MOORE TWINING ASSOCIATES INC.

SUBCONTRACT ORDER - Purchase Order # 24680

California ELAP Certification # 1371

15-29769

MTA Project # BJ27008

Please reference these numbers on all reports and invoices:
We also request QC data be provided with final report.

SENDING LABORATORY:

Moore Twining Associates, Inc.
2527 Fresno Street
Fresno, CA 93721
Phone: (559) 268-7021
Fax: (559) 268-0740
Project Manager: Julio Morales

RECEIVING LABORATORY:

BC Laboratories, Inc.
4100 Atlas Court
Bakersfield, CA 93308
Phone :(800) 878-4911
Fax: (661) 327-1918

Sample Comments

Client Sample ID#: Rocktenn 102615G

MTA Sample ID: BJ27008-01 Matrix: Water **Sampled: 10/26/15 12:25**

Requested Analysis: Phosphorus, Total (TKP) Holding time expires: 11/23/15 12:25

Containers Supplied:

CHK BY DISTRIBUTION
SUB-OUT

Released By	Date	Received By	Date
	NOV 18 2015		11/19/15 16:17
	11/19/15 2230		11.19.15 2230

Please fax copy of receipt with your assigned sample ID number to (559) 268-0740 Page 1 of 1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
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Chain of Custody and Cooler Receipt Form for 1529769 Page 2 of 2

BC LABORATORIES INC. COOLER RECEIPT FORM Page 1 Of 1

Submission #: 15-29769

SHIPPING INFORMATION
Fed Ex ☐ UPS ☐ Ontrac ☐ Hand Delivery ☐
BC Lab Field Service ☒ Other ☐ (Specify)_____

SHIPPING CONTAINER
Ice Chest ☒ None ☐ Box ☐
Other ☐ (Specify)_____

FREE LIQUID
YES ☐ NO ☐

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☒ Comments:

All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐

COC Received ☒ YES ☐ NO

Emissivity: 0.97 Container: PE Thermometer ID: 208 Date/Time 11/19/15 2248

Temperature: (A) 1.2 °C / (C) 1.1 °C Analyst Init KJB

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr^{+6}										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS 8oz	A									
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548										
QT EPA 549										
QT EPA 8015M										
QT EPA 8270										
8oz / 16oz / 32oz AMBER										
8oz / 16oz / 32oz JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER										

Comments:
Sample Numbering Completed By: [signature] Date/Time: 11/20/15 0845 Rev 20 07/24/2015
A = Actual / C = Corrected [S:\WPDoc\WordPerfect\LAB_DOCS\FORMS\SAMRECrev 20]

Moore-Twining Associates 2527 Fresno Street Fresno, CA 93720	**Reported:** 12/04/2015 19:36 Project: Water Samples Project Number: BJ27008 Project Manager: Julio Morales

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1529769-01	**COC Number:**	---	**Receive Date:**	11/19/2015 22:30
	Project Number:	---	**Sampling Date:**	10/26/2015 12:25
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	Rocktenn 102615G BJ27008-01	**Lab Matrix:**	Water
	Sampled By:	---	**Sample Type:**	Water

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Moore-Twining Associates
2527 Fresno Street
Fresno, CA 93720

Reported: 12/04/2015 19:36
Project: Water Samples
Project Number: BJ27008
Project Manager: Julio Morales

Water Analysis (General Chemistry)

BCL Sample ID: 1529769-01 | **Client Sample Name:** Rocktenn 102615G BJ27008-01, 10/26/2015 12:25:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Total Phosphorus	**0.10**	**mg/L**	**0.050**	**0.012**	**EPA-365.4**	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-365.4	11/20/15	11/23/15 11:43	JMH	SC-1	1	BYK2096

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Moore-Twining Associates 2527 Fresno Street Fresno, CA 93720	**Reported:** 12/04/2015 19:36 Project: Water Samples Project Number: BJ27008 Project Manager: Julio Morales

Water Analysis (General Chemistry)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BYK2096						
Total Phosphorus	BYK2096-BLK1	ND	mg/L	0.050	0.012	

Moore-Twining Associates
2527 Fresno Street
Fresno, CA 93720

Reported: 12/04/2015 19:36
Project: Water Samples
Project Number: BJ27008
Project Manager: Julio Morales

Water Analysis (General Chemistry)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BYK2096										
Total Phosphorus	BYK2096-BS1	LCS	1.0554	1.0000	mg/L	106		85 - 115		

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Moore-Twining Associates
2527 Fresno Street
Fresno, CA 93720

Reported: 12/04/2015 19:36
Project: Water Samples
Project Number: BJ27008
Project Manager: Julio Morales

Water Analysis (General Chemistry)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BYK2096	Used client sample: N										
Total Phosphorus	DUP	1529645-01	0.051800	0.052800		mg/L	1.9		20		
	MS	1529645-01	0.051800	1.0559	1.0000	mg/L		100		80 - 120	
	MSD	1529645-01	0.051800	1.1072	1.0000	mg/L	4.7	106	20	80 - 120	

Moore-Twining Associates 2527 Fresno Street Fresno, CA 93720	**Reported:** 12/04/2015 19:36 Project: Water Samples Project Number: BJ27008 Project Manager: Julio Morales

Notes And Definitions

MDL	Method Detection Limit
ND	Analyte Not Detected
PQL	Practical Quantitation Limit

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MOORE TWINING ASSOCIATES, INC.

CHAIN OF CUSTODY/ANALYSIS REQUEST

2527 FRESNO STREET • FRESNO, CA 93721 • PHONE (559) 268-7021 • FAX: (559) 268-0740

ANALYTICAL CHEMISTRY DIVISION
CALIFORNIA ELAP CERTIFICATION # 1371

WORK ORDER #: BJ27008
PAGE 1 OF 2

ATTENTION: Jim Anderson	ATTENTION:
NAME: Malaga County Water District	NAME:
ADDRESS: 3580 S. Frank	ADDRESS:
Fresno, CA 93725	
PHONE: (559) 485-7353	PHONE:
FAX: (559) 495-1070	FAX:

☐ STANDARD FORMAT
☐ EDT (STATE FORM)
☐ GEOTRACKER/COELT (LUFT)
☐ PDF ☐ EXCEL
☐ County DHS :
☐ Environmental Health Agency :
☐ OTHER:

SAMPLE INFORMATION

SAMPLED BY (PRINT): Thomas Siphangsay
SIGNATURE:

☐ PUBLIC SYSTEM ☑ ROUTINE
☐ PRIVATE WELL ☐ REPEAT
☐ OTHER ☐ REPLACEMENT

TURN AROUND TIME: ☐ RUSH, DUE ON:
☑ STANDARD

SAMPLE TYPES:

SOLID:
BS - BIOSOLID
CR - CERAMIC
SL - SOIL/SOLID

LIQUID:
DW - DRINKING WATER
GW - GROUND WATER
OL - OIL
SF - SURFACE WATER
ST - STORM WATER
WW - WASTE WATER

PROJECT INFORMATION

CONTRACT/P.O. NO.:
PROJECT: Local Limits Testing
PROJECT NUMBER: Rock Tenn

NOTES ON RECEIVED CONDITION:
☐ CUSTODY SEAL(S) BROKEN ☐ SAMPLE(S) DAMAGED
☐ ON ICE ☐ AMBIENT TEMP. ☐ INCORRECT PRESERVATION

ANALYSIS REQUESTED

LAB USE	CLIENT SAMPLE ID	DATE	TIME	TYPE	As, Al, Ba, B, Cd, Cu, Cr, Fe	Hg, Mo, Ni, Pb, Ag, Se, Zn	Ec, BOD, TSS	Ammonia, TKP	Cl, NO3-N, NO2-N, TDS, MBAS	EPA 624 Benzene	EPA 625 Phenols	EPA 1664 Oil and Grease	Cyanide		
1	Rocktenn 102615 G	Start: 10/26/15 End: ~~10/27/15~~	Start: 12:25 End:	WW ~~Gr~~ Gr	X	X	X	X	X	X	X	X	X		
2				WW ~~Gr~~						~~X~~	~~X~~	~~X~~	~~X~~		

Comments:

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY
Thomas Siphangsay		10/27/15	1036		MTA

Sample Integrity Page 2 of 2 Moore Twining Associates WO# B127008 MTA Bottles: Yes or No

COC Info

Was temperature within range? Chemistry ≤6°C Micro <10°C Temp_____°C	Yes No N/A	Did all bottle labels agree with COC?	Yes No N/A
		Was a sufficient amount of sample received?	Yes No N/A
If samples were taken today, is there evidence that chilling has begun? Recvd_____C°	Yes No N/A	Were correct containers and preservatives received for the tests requested?	Yes No N/A
Did all bottles arrive unbroken and intact?	Yes No N/A		
Do samples have a hold time <72 hours?	Yes No N/A		

Bottles Received																
125ml (A) 250ml (B) 1Liter (C) 40ml VOA (V)																
Bacti $Na_2S_2O_3$																
None (P)	3C															
Cr6 Buffer (P) Borate Carbonate Buffer																
HNO_3 (P)	1A															
H_2SO_4 (P)	1A															
NaOH (P)	1A															
NaOH+ZnAc (P)																
Dissolved Oxygen 300ml (P)																
None (AG)	1C															
None (CG) 500ml																
$Na_2S_2O_3$ 250ml (Brown P) 549																
$Na_2S_2O_3$ (AG)																
$Na_2S_2O_3$ (AG)																
Thio/K Citrate																
NH_4Cl (AG) 552																
HCl (AG)	1C/3V															
None (CG) 500ml																
H_3PO_4 (AG)																
Other:																
Plastic Bag																
Low Level Hg/Metals Double Bag																
Client Own																
Glass Jar: 125/ 250/ 500																
Soil Tube: Brass/ Steel/ Plastic																
5 g Encore																

Were there bubbles in VOA vials? (**Volatiles Only**) Yes No N/A

Was PM notified of discrepancies? Yes No N/A
PM:
By/Time:

Comments

All samples are "grab" per Thomas
JCM 10/27/15

Filter or Split

	Container	Preservative	Date/Time/Initials
S P F			
S P F			
S P F			
S P F			
S P F			

Labeled by: [illegible] @ 1237 Labels checked by: JCM @ 1310

FL-SC-0003-06

SIU Annual Sampling Results:

Lester Lube dba Fresno Truck Wash

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

December 10, 2015

Work Order #: BJ28008

Jim Anderson
Malaga County Water District
3580 S. Frank
Fresno, CA 93725

RE: Local Limits Testing

Enclosed are the analytical results for samples received by our laboratory on 10/28/15 . For your reference, these analyses have been assigned laboratory work order number BJ28008 .

All analyses have been performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, Moore Twining Associates, Inc. (MTA) is not responsible for use of less than complete reports. Results apply only to samples analyzed.

If you have any questions, please feel free to contact us at the number listed above.

Sincerely,

Moore Twining Associates, Inc.

Julio Morales
Client Services Supervisor

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Local Limits Testing	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/10/2015

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FTW102715TPC	BJ28008-01	Waste Water	10/27/15 16:00	10/28/15 10:15
FTW102715G	BJ28008-02	Waste Water	10/27/15 04:00	10/28/15 10:15

MOORE TWINING ASSOCIATES, INC.

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Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Local Limits Testing	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/10/2015

FTW102715TPC

BJ28008-01 (Waste Water) Sampled:10/27/15 16:00

Analyte	Flag	Result	Reporting Limit	MDL	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Method
Inorganics											
Ammonia as N	J	**0.93**	1.0	0.038	mg/L	1	U5J3011	MPA	10/30/15 9:41	11/2/15 14:13	EPA 350.1
Biochemical Oxygen Demand		**160**	30	30	mg/L	30	U5J2726	CMG	10/28/15 16:39	11/2/15 16:30	SM5210B
Chloride		**12**	10	0.092	mg/L	5	U5J2823	ETH	10/28/15 15:37	10/28/15 22:57	EPA 300.0
Specific Conductance (EC)		**2200**	1.0	0.26	µS/cm	1	U5J2830	CMG	10/28/15 18:14	10/29/15 1:22	SM2510B
Methylene Blue Active Substances		**1.9**	0.050	0.031	mg/L	1	U5J2903	MPA	10/29/15 9:28	10/29/15 15:17	SM5540C
Nitrate as Nitrogen		**2.6**	2.3	0.020	mg/L	5	[CALC]	ETH	10/28/15 22:57	10/28/15 22:57	EPA 300.0
Nitrate + Nitrite as N		**2.6**	3.8	0.073	mg/L	5	[CALC]	ETH	10/28/15 22:57	10/28/15 22:57	[CALC]
Nitrate as Nitrogen		**2.6**	2.3	0.020	mg/L	5	[CALC]	ETH	10/28/15 22:57	10/28/15 22:57	[CALC]
Nitrate as NO3		**12**	10	0.088	mg/L	5	U5J2823	ETH	10/28/15 15:37	10/28/15 22:57	EPA 300.0
Nitrite as N		ND	1.5	0.053	mg/L	5	U5J2823	ETH	10/28/15 15:37	10/28/15 22:57	EPA 300.0
Total Dissolved Solids		**870**	20	16	mg/L	2	U5K0301	MMJ	11/3/15 8:09	11/4/15 14:10	SM 2540C
Total Suspended Solids		**100**	40	2.3	mg/L	10	U5J2813	MMJ	10/29/15 12:43	10/29/15 15:35	SM 2540D
Metals - Totals											
Aluminum		**0.88**	0.050	0.0072	mg/L	1	U5J2914	DAR	11/2/15 11:15	11/9/15 18:15	EPA 200.7
Arsenic	J	**0.0042**	0.010	0.0023	mg/L	1	U5J2914	DAR	11/2/15 11:15	11/9/15 18:15	EPA 200.7
Barium		**0.050**	0.010	0.00013	mg/L	1	U5J2914	DAR	11/2/15 11:15	11/9/15 18:15	EPA 200.7
Boron	J	**0.042**	0.050	0.00083	mg/L	1	U5J2914	DAR	11/2/15 11:15	11/9/15 18:15	EPA 200.7
Cadmium	J	**0.00035**	0.0010	0.00020	mg/L	1	U5J2914	DAR	11/2/15 11:15	11/9/15 18:15	EPA 200.7
Chromium		**0.0079**	0.0050	0.00091	mg/L	1	U5J2914	DAR	11/2/15 11:15	11/9/15 18:15	EPA 200.7
Copper		**0.011**	0.0050	0.00095	mg/L	1	U5J2914	DAR	11/2/15 11:15	11/9/15 18:15	EPA 200.7
Iron		**0.44**	0.10	0.017	mg/L	1	U5J2914	DAR	11/2/15 11:15	11/9/15 18:15	EPA 200.7
Lead		ND	0.0050	0.0014	mg/L	1	U5J2914	DAR	11/2/15 11:15	11/9/15 18:15	EPA 200.7
Mercury	D2	ND	0.40	0.069	µg/L	1	U5K0317	JTN	11/4/15 6:48	11/4/15 13:03	EPA 245.2
Molybdenum	J	**0.0048**	0.0050	0.00075	mg/L	1	U5J2914	DAR	11/2/15 11:15	11/9/15 18:15	EPA 200.7
Nickel	J	**0.0034**	0.0050	0.00051	mg/L	1	U5J2914	DAR	11/2/15 11:15	11/9/15 18:15	EPA 200.7
Selenium		ND	0.020	0.0018	mg/L	1	U5J2914	DAR	11/2/15 11:15	11/9/15 18:15	EPA 200.7
Silver		ND	0.0050	0.0011	mg/L	1	U5J2914	DAR	11/2/15 11:15	11/9/15 18:15	EPA 200.7
Zinc		**0.072**	0.0050	0.00080	mg/L	1	U5J2914	DAR	11/2/15 11:15	11/9/15 18:15	EPA 200.7

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Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Local Limits Testing	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/10/2015

FTW102715G

BJ28008-02 (Waste Water) Sampled:10/27/15 04:00

Analyte	Flag	Result	Reporting Limit	MDL	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Method
Inorganics											
Cyanide (total)		ND	5.0	2.8	µg/L	1	U5K0624	JTN	11/9/15 7:18	11/9/15 12:10	SM4500CN-E
Semi-Volatile Organics											
Phenol	J	**2.0**	5.0	0.63	µg/L	1	U5K0203	FFP	11/2/15 8:33	11/4/15 4:35	EPA 625
2-Chlorophenol		ND	5.0	0.69	µg/L	1	U5K0203	FFP	11/2/15 8:33	11/4/15 4:35	EPA 625
2-Methylphenol		ND	5.0	0.93	µg/L	1	U5K0203	FFP	11/2/15 8:33	11/4/15 4:35	EPA 625
3-Methylphenol		ND	5.0	0.96	µg/L	1	U5K0203	FFP	11/2/15 8:33	11/4/15 4:35	EPA 625
4-Methylphenol		ND	5.0	1.1	µg/L	1	U5K0203	FFP	11/2/15 8:33	11/4/15 4:35	EPA 625
2-Nitrophenol		ND	5.0	1.3	µg/L	1	U5K0203	FFP	11/2/15 8:33	11/4/15 4:35	EPA 625
2,4-Dimethylphenol		ND	5.0	1.2	µg/L	1	U5K0203	FFP	11/2/15 8:33	11/4/15 4:35	EPA 625
2,4-Dichlorophenol		ND	5.0	0.79	µg/L	1	U5K0203	FFP	11/2/15 8:33	11/4/15 4:35	EPA 625
2,6-Dichlorophenol		ND	5.0	0.59	µg/L	1	U5K0203	FFP	11/2/15 8:33	11/4/15 4:35	EPA 625
4-Chloro-3-methylphenol		ND	5.0	0.57	µg/L	1	U5K0203	FFP	11/2/15 8:33	11/4/15 4:35	EPA 625
2,4,5-Trichlorophenol		ND	5.0	2.3	µg/L	1	U5K0203	FFP	11/2/15 8:33	11/4/15 4:35	EPA 625
2,4,6-Trichlorophenol		ND	5.0	2.5	µg/L	1	U5K0203	FFP	11/2/15 8:33	11/4/15 4:35	EPA 625
2,4-Dinitrophenol		ND	5.0	1.9	µg/L	1	U5K0203	FFP	11/2/15 8:33	11/4/15 4:35	EPA 625
4-Nitrophenol		ND	5.0	1.6	µg/L	1	U5K0203	FFP	11/2/15 8:33	11/4/15 4:35	EPA 625
2,3,4,6-Tetrachlorophenol		ND	5.0	0.59	µg/L	1	U5K0203	FFP	11/2/15 8:33	11/4/15 4:35	EPA 625
4,6-Dinitro-2-methylphenol		ND	5.0	0.51	µg/L	1	U5K0203	FFP	11/2/15 8:33	11/4/15 4:35	EPA 625
Pentachlorophenol	J	**2.0**	5.0	1.3	µg/L	1	U5K0203	FFP	11/2/15 8:33	11/4/15 4:35	EPA 625
Surrogate: 2-Fluorophenol		*28.6 %*	*22-92*				*U5K0203*		11/2/15 8:33	11/4/15 4:35	*EPA 625*
Surrogate: Phenol-d5		*16.9 %*	*10-94*				*U5K0203*		11/2/15 8:33	11/4/15 4:35	*EPA 625*
Surrogate: 2,4,6-Tribromophenol		*66.6 %*	*49-138*				*U5K0203*		11/2/15 8:33	11/4/15 4:35	*EPA 625*
Total Oil & Grease (HEM)		**36**	1.0	0.17	mg/L	1	U5J2902	BBA	10/29/15 8:55	10/30/15 15:30	EPA 1664A
Volatile Organics											
Chloromethane		ND	0.50	0.16	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 15:18	EPA 624
Vinyl chloride		ND	0.50	0.16	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 15:18	EPA 624
Bromomethane		ND	1.0	0.32	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 15:18	EPA 624
Chloroethane		ND	0.50	0.16	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 15:18	EPA 624
Trichlorofluoromethane (CFC-11)		ND	0.50	0.13	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 15:18	EPA 624
Trichlorotrifluoroethane (CFC-113)		ND	1.0	0.11	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 15:18	EPA 624
1,1-Dichloroethene		ND	0.50	0.14	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 15:18	EPA 624
Acrolein		ND	10	1.5	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 15:18	EPA 624
Methylene chloride		ND	1.0	0.20	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 15:18	EPA 624

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

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Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Local Limits Testing	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/10/2015

FTW102715G

BJ28008-02 (Waste Water) Sampled:10/27/15 04:00

Analyte	Flag	Result	Reporting Limit	MDL	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Method
Volatile Organics											
trans-1,2-Dichloroethene		ND	0.50	0.11	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 15:18	EPA 624
Methyl tert-Butyl Ether (MTBE)		ND	1.0	0.36	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 15:18	EPA 624
1,1-Dichloroethane		ND	0.50	0.12	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 15:18	EPA 624
Acrylonitrile		ND	5.0	2.9	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 15:18	EPA 624
cis-1,2-Dichloroethene		ND	0.50	0.15	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 15:18	EPA 624
Chloroform		**7.6**	0.50	0.14	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 15:18	EPA 624
Carbon tetrachloride		ND	0.50	0.16	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 15:18	EPA 624
1,1,1-Trichloroethane (TCA)		ND	0.50	0.16	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 15:18	EPA 624
1,1-Dichloropropene		ND	0.50	0.12	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 15:18	EPA 624
Benzene		ND	0.50	0.10	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 15:18	EPA 624
1,2-Dichloroethane (1,2-DCA)		ND	0.50	0.10	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 15:18	EPA 624
Trichloroethene (TCE)		ND	0.50	0.17	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 15:18	EPA 624
1,2-Dichloropropane		ND	0.50	0.10	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 15:18	EPA 624
Bromodichloromethane		ND	0.50	0.13	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 15:18	EPA 624
2-Chloroethylvinyl ether		ND	1.0	0.33	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 15:18	EPA 624
cis-1,3-Dichloropropene		ND	0.50	0.11	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 15:18	EPA 624
Toluene	**J**	**0.38**	0.50	0.27	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 15:18	EPA 624
trans-1,3-Dichloropropene		ND	0.50	0.14	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 15:18	EPA 624
Tetrachloroethene (PCE)		ND	0.50	0.12	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 15:18	EPA 624
1,1,2-Trichloroethane		ND	0.50	0.12	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 15:18	EPA 624
Dibromochloromethane		ND	0.50	0.11	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 15:18	EPA 624
1,2-Dibromoethane (EDB)		ND	0.50	0.22	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 15:18	EPA 624
Ethylbenzene		ND	0.50	0.10	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 15:18	EPA 624
Chlorobenzene		ND	0.50	0.10	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 15:18	EPA 624
1,1,1,2-Tetrachloroethane		ND	0.50	0.12	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 15:18	EPA 624
m,p-Xylene		ND	1.0	0.20	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 15:18	EPA 624
o-Xylene		ND	0.50	0.10	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 15:18	EPA 624
Styrene		ND	0.50	0.10	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 15:18	EPA 624
Bromoform		ND	1.0	0.12	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 15:18	EPA 624
1,1,2,2-Tetrachloroethane		ND	1.0	0.21	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 15:18	EPA 624
1,2,3-Trichloropropane (123TCP)		ND	0.50	0.29	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 15:18	EPA 624
1,3-Dichlorobenzene		ND	0.50	0.040	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 15:18	EPA 624
1,4-Dichlorobenzene		ND	0.50	0.10	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 15:18	EPA 624
1,2-Dichlorobenzene		ND	0.50	0.12	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 15:18	EPA 624

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California ELAP Certificate #1371

Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Local Limits Testing	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/10/2015

FTW102715G

BJ28008-02 (Waste Water) Sampled:10/27/15 04:00

Analyte	Flag	Result	Reporting Limit	MDL	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Method
Volatile Organics											
1,2,4-Trichlorobenzene		ND	1.0	0.10	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 15:18	EPA 624
Hexachlorobutadiene		ND	1.0	0.10	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 15:18	EPA 624
Naphthalene		ND	0.50	0.15	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 15:18	EPA 624
Xylenes		ND	2.0		µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 15:18	EPA 624
Surrogate: 4-Bromofluorobenzene		*94.7 %*	*70-130*				*U5J3002*		10/30/15 10:00	10/30/15 15:18	*EPA 624*
Surrogate: Dibromofluoromethane		*106 %*	*70-130*				*U5J3002*		10/30/15 10:00	10/30/15 15:18	*EPA 624*
Surrogate: Toluene-d8		*103 %*	*70-130*				*U5J3002*		10/30/15 10:00	10/30/15 15:18	*EPA 624*

Notes and Definitions

J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag). Same as DNQ - Detected, but Not Quantified.
D2	Sample diluted due to high concentration(s) of non-target analyte(s).
BS4	Recovery for this analyte was biased low, but was within 10% of the LCL.
ug/L	micrograms per liter (parts per billion concentration units)
mg/kg	milligrams per kilogram (parts per million concentration units)
mg/L	milligrams per Liter (parts per million concentration units)
ND	Analyte NOT DETECTED at or above the Minimum Detection Limit (MDL)
RPD	Relative Percent Difference

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Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Local Limits Testing	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/10/2015

Inorganics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J2726 - SM5210B										
Blank (U5J2726-BLK1)				Prepared: 10/28/15 Analyzed: 11/02/15						
Biochemical Oxygen Demand	ND	1.0	mg/L							
LCS (U5J2726-BS1)				Prepared: 10/28/15 Analyzed: 11/02/15						
Biochemical Oxygen Demand	168	50	mg/L	198		84.8	85-115		20	BS4
LCS Dup (U5J2726-BSD1)				Prepared: 10/28/15 Analyzed: 11/02/15						
Biochemical Oxygen Demand	165	50	mg/L	198		83.6	85-115	1.50	20	BS4
Duplicate (U5J2726-DUP1)		**Source: BJ27037-03**		Prepared: 10/28/15 Analyzed: 11/02/15						
Biochemical Oxygen Demand	1510	300	mg/L		1470			2.81	20	
Duplicate (U5J2726-DUP2)		**Source: BJ27060-01**		Prepared: 10/28/15 Analyzed: 11/02/15						
Biochemical Oxygen Demand	253	100	mg/L		260			2.73	20	
Batch U5J2813 - SM 2540D										
Blank (U5J2813-BLK1)				Prepared & Analyzed: 10/29/15						
Total Suspended Solids	ND	4.0	mg/L							
Duplicate (U5J2813-DUP1)		**Source: BJ27060-01**		Prepared & Analyzed: 10/29/15						
Total Suspended Solids	290	40	mg/L		290			0.683	20	
Duplicate (U5J2813-DUP2)		**Source: BJ27060-03**		Prepared & Analyzed: 10/29/15						
Total Suspended Solids	3200	100	mg/L		3400			5.36	20	
Batch U5J2823 - EPA 300.0										
Blank (U5J2823-BLK1)				Prepared & Analyzed: 10/28/15						
Nitrite as N	ND	0.30	mg/L							
Chloride	ND	2.0	mg/L							
Nitrate as NO3	ND	2.0	mg/L							
LCS (U5J2823-BS1)				Prepared & Analyzed: 10/28/15						
Chloride	47.2	2.0	mg/L	50.0		94.4	90-110		20	
Nitrite as N	4.73	0.30	mg/L	5.00		94.6	90-110		20	
Nitrate as NO3	47.6	2.0	mg/L	50.0		95.1	90-110		20	
LCS Dup (U5J2823-BSD1)				Prepared & Analyzed: 10/28/15						
Nitrite as N	4.86	0.30	mg/L	5.00		97.3	90-110	2.85	20	
Chloride	48.9	2.0	mg/L	50.0		97.7	90-110	3.45	20	
Nitrate as NO3	48.6	2.0	mg/L	50.0		97.3	90-110	2.23	20	
Matrix Spike (U5J2823-MS1)		**Source: BJ28008-01**		Prepared & Analyzed: 10/28/15						

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California ELAP Certificate #1371

Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Local Limits Testing	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/10/2015

Inorganics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J2823 - EPA 300.0										
Matrix Spike (U5J2823-MS1)		**Source: BJ28008-01**		Prepared & Analyzed: 10/28/15						
Nitrite as N	47.3	3.0	mg/L	50.0	ND	94.6	80-120		20	
Chloride	475	20	mg/L	500	12.2	92.5	48-147		15	
Nitrate as NO3	474	20	mg/L	500	11.7	92.5	70-130		20	
Matrix Spike (U5J2823-MS2)		**Source: BJ28039-01**		Prepared: 10/28/15 Analyzed: 10/29/15						
Nitrite as N	9.74	0.60	mg/L	10.0	ND	97.4	80-120		20	
Chloride	103	4.0	mg/L	100	7.76	95.3	48-147		15	
Nitrate as NO3	99.1	4.0	mg/L	100	4.88	94.2	70-130		20	
Matrix Spike Dup (U5J2823-MSD1)		**Source: BJ28008-01**		Prepared & Analyzed: 10/28/15						
Chloride	495	20	mg/L	500	12.2	96.5	48-147	4.20	15	
Nitrite as N	49.4	3.0	mg/L	50.0	ND	98.9	80-120	4.41	20	
Nitrate as NO3	492	20	mg/L	500	11.7	96.1	70-130	3.68	20	
Matrix Spike Dup (U5J2823-MSD2)		**Source: BJ28039-01**		Prepared: 10/28/15 Analyzed: 10/29/15						
Chloride	102	4.0	mg/L	100	7.76	94.6	48-147	0.655	15	
Nitrite as N	9.69	0.60	mg/L	10.0	ND	96.9	80-120	0.525	20	
Nitrate as NO3	99.2	4.0	mg/L	100	4.88	94.3	70-130	0.111	20	
Batch U5J2830 - SM2510B										
Blank (U5J2830-BLK1)				Prepared: 10/28/15 Analyzed: 10/29/15						
Specific Conductance (EC)	ND	1.0	µS/cm							
LCS (U5J2830-BS1)				Prepared: 10/28/15 Analyzed: 10/29/15						
Specific Conductance (EC)	528	1.0	µS/cm	500		106	80-120		20	
LCS Dup (U5J2830-BSD1)				Prepared: 10/28/15 Analyzed: 10/29/15						
Specific Conductance (EC)	527	1.0	µS/cm	500		105	80-120	0.194	20	
Duplicate (U5J2830-DUP1)		**Source: BJ27005-01**		Prepared: 10/28/15 Analyzed: 10/29/15						
Specific Conductance (EC)	844	1.0	µS/cm		843			0.121	20	
Duplicate (U5J2830-DUP2)		**Source: BJ27008-01**		Prepared: 10/28/15 Analyzed: 10/29/15						
Specific Conductance (EC)	633	1.0	µS/cm		635			0.320	20	
Batch U5J2903 - SM5540C										
Blank (U5J2903-BLK1)				Prepared & Analyzed: 10/29/15						
Methylene Blue Active Substances	ND	0.050	mg/L							
LCS (U5J2903-BS1)				Prepared & Analyzed: 10/29/15						

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3580 S. Frank	Project Number: Local Limits Testing	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/10/2015

Inorganics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J2903 - SM5540C										
LCS (U5J2903-BS1)				Prepared & Analyzed: 10/29/15						
Methylene Blue Active Substances	1.10	0.050	mg/L	1.00		110	80-120		20	
LCS Dup (U5J2903-BSD1)				Prepared & Analyzed: 10/29/15						
Methylene Blue Active Substances	1.07	0.050	mg/L	1.00		107	80-120	2.86	20	
Matrix Spike (U5J2903-MS1)		**Source: BJ28066-01**		Prepared & Analyzed: 10/29/15						
Methylene Blue Active Substances	0.958	0.050	mg/L	1.00	ND	95.8	80-120		20	
Matrix Spike (U5J2903-MS2)		**Source: BJ28068-01**		Prepared & Analyzed: 10/29/15						
Methylene Blue Active Substances	0.940	0.050	mg/L	1.00	ND	94.0	80-120		20	
Matrix Spike Dup (U5J2903-MSD1)		**Source: BJ28066-01**		Prepared & Analyzed: 10/29/15						
Methylene Blue Active Substances	0.912	0.050	mg/L	1.00	ND	91.2	80-120	4.92	20	
Matrix Spike Dup (U5J2903-MSD2)		**Source: BJ28068-01**		Prepared & Analyzed: 10/29/15						
Methylene Blue Active Substances	0.923	0.050	mg/L	1.00	ND	92.3	80-120	1.83	20	
Batch U5J3011 - EPA 350.1										
Blank (U5J3011-BLK1)				Prepared: 10/30/15 Analyzed: 11/02/15						
Ammonia as N	0.140	1.0	mg/L							J
LCS (U5J3011-BS1)				Prepared: 10/30/15 Analyzed: 11/02/15						
Ammonia as N	24.2	1.0	mg/L	22.5		108	80-120		20	
LCS Dup (U5J3011-BSD1)				Prepared: 10/30/15 Analyzed: 11/02/15						
Ammonia as N	23.2	1.0	mg/L	22.5		103	80-120	4.13	20	
Matrix Spike (U5J3011-MS2)		**Source: BJ28001-04**		Prepared: 10/30/15 Analyzed: 11/02/15						
Ammonia as N	23.7	1.0	mg/L	22.5	ND	106	80-120		20	
Matrix Spike Dup (U5J3011-MSD2)		**Source: BJ28001-04**		Prepared: 10/30/15 Analyzed: 11/02/15						
Ammonia as N	24.1	1.0	mg/L	22.5	ND	107	80-120	1.67	20	
Batch U5K0301 - SM 2540C										
Blank (U5K0301-BLK1)				Prepared: 11/03/15 Analyzed: 11/04/15						
Total Dissolved Solids	ND	10	mg/L							
LCS (U5K0301-BS1)				Prepared: 11/03/15 Analyzed: 11/04/15						
Total Dissolved Solids	228	10	mg/L	240		95.0	80-120		20	
LCS Dup (U5K0301-BSD1)				Prepared: 11/03/15 Analyzed: 11/04/15						
Total Dissolved Solids	242	10	mg/L	240		101	80-120	5.96	20	

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Inorganics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5K0301 - SM 2540C										
Duplicate (U5K0301-DUP1)		**Source: BJ29019-11**		Prepared: 11/03/15 Analyzed: 11/04/15						
Total Dissolved Solids	15400	200	mg/L		15700			2.31	20	
Duplicate (U5K0301-DUP2)		**Source: BJ29019-12**		Prepared: 11/03/15 Analyzed: 11/04/15						
Total Dissolved Solids	12100	200	mg/L		12000			0.415	20	
Batch U5K0624 - SM4500CN-E										
Blank (U5K0624-BLK1)				Prepared & Analyzed: 11/09/15						
Cyanide (total)	ND	5.0	µg/L							
LCS (U5K0624-BS1)				Prepared & Analyzed: 11/09/15						
Cyanide (total)	48.3	5.0	µg/L	50.0		96.6	80-120		20	
LCS Dup (U5K0624-BSD1)				Prepared & Analyzed: 11/09/15						
Cyanide (total)	47.8	5.0	µg/L	50.0		95.6	80-120	1.04	20	
Matrix Spike (U5K0624-MS1)		**Source: BK03008-01**		Prepared & Analyzed: 11/09/15						
Cyanide (total)	49.1	5.0	µg/L	50.0	ND	98.2	80-120		20	
Matrix Spike Dup (U5K0624-MSD1)		**Source: BK03008-01**		Prepared & Analyzed: 11/09/15						
Cyanide (total)	47.8	5.0	µg/L	50.0	ND	95.6	80-120	2.68	20	

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Metals - Totals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J2914 - EPA 200.7										
Blank (U5J2914-BLK1)				Prepared: 11/02/15 Analyzed: 11/09/15						
Boron	0.00873	0.050	mg/L							J
Chromium	ND	0.0050	mg/L							
Iron	ND	0.10	mg/L							
Selenium	ND	0.020	mg/L							
Zinc	0.000961	0.0050	mg/L							J
Cadmium	ND	0.0010	mg/L							
Barium	ND	0.010	mg/L							
Molybdenum	ND	0.0050	mg/L							
Silver	ND	0.0050	mg/L							
Copper	ND	0.0050	mg/L							
Aluminum	0.00870	0.050	mg/L							J
Lead	ND	0.0050	mg/L							
Nickel	ND	0.0050	mg/L							
Arsenic	ND	0.010	mg/L							
LCS (U5J2914-BS1)				Prepared: 11/02/15 Analyzed: 11/09/15						
Cadmium	0.0204	0.0010	mg/L	0.0200		102	85-115		20	
Selenium	0.405	0.020	mg/L	0.400		101	85-115		20	
Iron	2.05	0.10	mg/L	2.00		103	85-115		20	
Copper	0.0983	0.0050	mg/L	0.100		98.3	85-115		20	
Lead	0.103	0.0050	mg/L	0.100		103	85-115		20	
Boron	0.972	0.050	mg/L	1.00		97.2	85-115		20	
Nickel	0.106	0.0050	mg/L	0.100		106	85-115		20	
Zinc	0.103	0.0050	mg/L	0.100		103	85-115		20	
Silver	0.109	0.0050	mg/L	0.100		109	85-115		20	
Molybdenum	0.0985	0.0050	mg/L	0.100		98.5	85-115		20	
Barium	0.207	0.010	mg/L	0.200		104	85-115		20	
Aluminum	1.01	0.050	mg/L	1.00		101	85-115		20	
Chromium	0.103	0.0050	mg/L	0.100		103	85-115		20	
Arsenic	0.187	0.010	mg/L	0.200		93.5	85-115		20	
LCS Dup (U5J2914-BSD1)				Prepared: 11/02/15 Analyzed: 11/09/15						
Zinc	0.102	0.0050	mg/L	0.100		102	85-115	0.532	20	
Silver	0.109	0.0050	mg/L	0.100		109	85-115	0.342	20	
Copper	0.0994	0.0050	mg/L	0.100		99.4	85-115	1.12	20	
Aluminum	0.998	0.050	mg/L	1.00		99.8	85-115	1.72	20	

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3580 S. Frank	Project Number: Local Limits Testing	Reported:
Fresno CA, 93725	Project Manager: Jim Anderson	12/10/2015

Metals - Totals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J2914 - EPA 200.7										
LCS Dup (U5J2914-BSD1)				Prepared: 11/02/15 Analyzed: 11/09/15						
Selenium	0.401	0.020	mg/L	0.400		100	85-115	0.846	20	
Cadmium	0.0204	0.0010	mg/L	0.0200		102	85-115	0.0789	20	
Chromium	0.103	0.0050	mg/L	0.100		103	85-115	0.605	20	
Iron	2.04	0.10	mg/L	2.00		102	85-115	0.637	20	
Arsenic	0.195	0.010	mg/L	0.200		97.5	85-115	4.26	20	
Boron	0.972	0.050	mg/L	1.00		97.2	85-115	0.0270	20	
Molybdenum	0.0981	0.0050	mg/L	0.100		98.1	85-115	0.367	20	
Lead	0.103	0.0050	mg/L	0.100		103	85-115	0.681	20	
Barium	0.208	0.010	mg/L	0.200		104	85-115	0.151	20	
Nickel	0.106	0.0050	mg/L	0.100		106	85-115	0.421	20	
Matrix Spike (U5J2914-MS1)		**Source: BJ27053-01**		Prepared: 11/02/15 Analyzed: 11/09/15						
Aluminum	2.07	0.10	mg/L	2.00	0.0178	103	70-130		20	
Barium	0.570	0.020	mg/L	0.400	0.151	105	70-130		20	
Nickel	0.203	0.010	mg/L	0.200	ND	102	70-130		20	
Zinc	0.205	0.010	mg/L	0.200	0.00742	98.7	70-130		20	
Arsenic	0.412	0.020	mg/L	0.400	ND	103	70-130		20	
Selenium	0.802	0.040	mg/L	0.800	ND	100	70-130		20	
Iron	4.15	0.20	mg/L	4.00	ND	104	70-130		20	
Lead	0.200	0.010	mg/L	0.200	ND	100	70-130		20	
Silver	0.208	0.010	mg/L	0.200	ND	104	70-130		20	
Molybdenum	0.202	0.010	mg/L	0.200	0.00466	98.6	70-130		20	
Boron	2.09	0.10	mg/L	2.00	0.0550	102	70-130		20	
Cadmium	0.0400	0.0020	mg/L	0.0400	ND	100	70-130		20	
Copper	0.195	0.010	mg/L	0.200	ND	97.3	70-130		20	
Chromium	0.207	0.010	mg/L	0.200	0.00298	102	70-130		20	
Matrix Spike (U5J2914-MS2)		**Source: BJ28066-01**		Prepared: 11/02/15 Analyzed: 11/09/15						
Boron	2.03	0.10	mg/L	2.00	0.0245	100	70-130		20	
Zinc	0.221	0.010	mg/L	0.200	0.0230	98.9	70-130		20	
Nickel	0.202	0.010	mg/L	0.200	ND	101	70-130		20	
Iron	4.04	0.20	mg/L	4.00	ND	101	70-130		20	
Cadmium	0.0403	0.0020	mg/L	0.0400	ND	101	70-130		20	
Lead	0.198	0.010	mg/L	0.200	ND	99.2	70-130		20	
Molybdenum	0.216	0.010	mg/L	0.200	0.0181	99.1	70-130		20	
Barium	0.425	0.020	mg/L	0.400	0.00883	104	70-130		20	

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3580 S. Frank	Project Number: Local Limits Testing	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/10/2015

Metals - Totals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J2914 - EPA 200.7										
Matrix Spike (U5J2914-MS2)		**Source: BJ28066-01**		Prepared: 11/02/15 Analyzed: 11/09/15						
Arsenic	0.407	0.020	mg/L	0.400	0.00466	102	70-130		20	
Chromium	0.200	0.010	mg/L	0.200	ND	99.9	70-130		20	
Aluminum	1.99	0.10	mg/L	2.00	0.0173	98.9	70-130		20	
Copper	0.189	0.010	mg/L	0.200	ND	94.4	70-130		20	
Silver	0.206	0.010	mg/L	0.200	ND	103	70-130		20	
Selenium	0.782	0.040	mg/L	0.800	0.00595	97.1	70-130		20	
Matrix Spike Dup (U5J2914-MSD1)		**Source: BJ27053-01**		Prepared: 11/02/15 Analyzed: 11/09/15						
Iron	4.12	0.20	mg/L	4.00	ND	103	70-130	0.556	20	
Boron	2.09	0.10	mg/L	2.00	0.0550	102	70-130	0.291	20	
Nickel	0.205	0.010	mg/L	0.200	ND	103	70-130	1.08	20	
Zinc	0.206	0.010	mg/L	0.200	0.00742	99.4	70-130	0.651	20	
Silver	0.211	0.010	mg/L	0.200	ND	106	70-130	1.51	20	
Aluminum	2.06	0.10	mg/L	2.00	0.0178	102	70-130	0.631	20	
Molybdenum	0.203	0.010	mg/L	0.200	0.00466	99.0	70-130	0.449	20	
Copper	0.196	0.010	mg/L	0.200	ND	98.1	70-130	0.831	20	
Lead	0.202	0.010	mg/L	0.200	ND	101	70-130	1.01	20	
Barium	0.566	0.020	mg/L	0.400	0.151	104	70-130	0.679	20	
Cadmium	0.0407	0.0020	mg/L	0.0400	ND	102	70-130	1.74	20	
Selenium	0.798	0.040	mg/L	0.800	ND	99.8	70-130	0.408	20	
Chromium	0.209	0.010	mg/L	0.200	0.00298	103	70-130	0.909	20	
Arsenic	0.384	0.020	mg/L	0.400	ND	96.0	70-130	7.12	20	
Matrix Spike Dup (U5J2914-MSD2)		**Source: BJ28066-01**		Prepared: 11/02/15 Analyzed: 11/09/15						
Iron	4.06	0.20	mg/L	4.00	ND	101	70-130	0.503	20	
Chromium	0.201	0.010	mg/L	0.200	ND	101	70-130	0.839	20	
Boron	2.05	0.10	mg/L	2.00	0.0245	101	70-130	1.04	20	
Cadmium	0.0404	0.0020	mg/L	0.0400	ND	101	70-130	0.264	20	
Arsenic	0.412	0.020	mg/L	0.400	0.00466	103	70-130	1.25	20	
Molybdenum	0.217	0.010	mg/L	0.200	0.0181	99.5	70-130	0.359	20	
Silver	0.206	0.010	mg/L	0.200	ND	103	70-130	0.0762	20	
Lead	0.197	0.010	mg/L	0.200	ND	98.5	70-130	0.722	20	
Zinc	0.219	0.010	mg/L	0.200	0.0230	97.8	70-130	1.01	20	
Selenium	0.783	0.040	mg/L	0.800	0.00595	97.2	70-130	0.104	20	
Aluminum	2.01	0.10	mg/L	2.00	0.0173	99.9	70-130	1.02	20	
Nickel	0.201	0.010	mg/L	0.200	ND	100	70-130	0.438	20	

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Metals - Totals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J2914 - EPA 200.7										
Matrix Spike Dup (U5J2914-MSD2)		**Source: BJ28066-01**		Prepared: 11/02/15 Analyzed: 11/09/15						
Barium	0.423	0.020	mg/L	0.400	0.00883	103	70-130	0.624	20	
Copper	0.189	0.010	mg/L	0.200	ND	94.6	70-130	0.216	20	
Batch U5K0317 - EPA 245.2										
Blank (U5K0317-BLK1)				Prepared & Analyzed: 11/04/15						
Mercury	ND	0.20	µg/L							
LCS (U5K0317-BS1)				Prepared & Analyzed: 11/04/15						
Mercury	5.26	0.20	µg/L	5.00		105	80-120		20	
LCS Dup (U5K0317-BSD1)				Prepared & Analyzed: 11/04/15						
Mercury	5.38	0.20	µg/L	5.00		108	80-120	2.17	20	
Matrix Spike (U5K0317-MS1)		**Source: BJ30024-01**		Prepared & Analyzed: 11/04/15						
Mercury	164	6.0	µg/L	150	ND	109	70-130		20	
Matrix Spike Dup (U5K0317-MSD1)		**Source: BJ30024-01**		Prepared & Analyzed: 11/04/15						
Mercury	164	6.0	µg/L	150	ND	110	70-130	0.118	20	

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(559) 268-0740 Fax

Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Local Limits Testing	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/10/2015

Semi-Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J2902 - EPA 1664A										
Blank (U5J2902-BLK1)				Prepared: 10/29/15 Analyzed: 10/30/15						
Total Oil & Grease (HEM)	ND	1.0	mg/L							
LCS (U5J2902-BS1)				Prepared: 10/29/15 Analyzed: 10/30/15						
Total Oil & Grease (HEM)	35.8	1.0	mg/L	40.0		89.6	78-114		20	
LCS Dup (U5J2902-BSD1)				Prepared: 10/29/15 Analyzed: 10/30/15						
Total Oil & Grease (HEM)	37.4	1.0	mg/L	40.0		93.4	78-114	4.10	20	
Batch U5K0203 - EPA 625										
Blank (U5K0203-BLK1)				Prepared: 11/02/15 Analyzed: 11/03/15						
Surrogate: 2-Fluorophenol	*38.7*		*µg/L*	*100*		*38.7*	*22-92*			
Surrogate: Phenol-d5	*25.8*		*µg/L*	*100*		*25.8*	*10-94*			
Surrogate: 2,4,6-Tribromophenol	*57.5*		*µg/L*	*100*		*57.5*	*49-138*			
Phenol	ND	5.0	µg/L							
2-Chlorophenol	ND	5.0	µg/L							
2-Methylphenol	ND	5.0	µg/L							
3-Methylphenol	ND	5.0	µg/L							
4-Methylphenol	ND	5.0	µg/L							
2-Nitrophenol	ND	5.0	µg/L							
2,4-Dimethylphenol	ND	5.0	µg/L							
2,4-Dichlorophenol	ND	5.0	µg/L							
2,6-Dichlorophenol	ND	5.0	µg/L							
4-Chloro-3-methylphenol	ND	5.0	µg/L							
2,4,5-Trichlorophenol	ND	5.0	µg/L							
2,4,6-Trichlorophenol	ND	5.0	µg/L							
2,4-Dinitrophenol	ND	5.0	µg/L							
4-Nitrophenol	ND	5.0	µg/L							
2,3,4,6-Tetrachlorophenol	ND	5.0	µg/L							
4,6-Dinitro-2-methylphenol	ND	5.0	µg/L							
Pentachlorophenol	ND	5.0	µg/L							
LCS (U5K0203-BS1)				Prepared: 11/02/15 Analyzed: 11/03/15						
Surrogate: 2-Fluorophenol	*42.9*		*µg/L*	*100*		*42.9*	*22-92*			
Surrogate: Phenol-d5	*28.9*		*µg/L*	*100*		*28.9*	*10-94*			
Surrogate: 2,4,6-Tribromophenol	*63.8*		*µg/L*	*100*		*63.8*	*49-138*			
Phenol	15.0	5.0	µg/L	50.0		30.0	5-112		20	

MOORE TWINING ASSOCIATES, INC.

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

California ELAP Certificate #1371

Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Local Limits Testing	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/10/2015

Semi-Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5K0203 - EPA 625										
LCS (U5K0203-BS1)				Prepared: 11/02/15 Analyzed: 11/03/15						
2-Chlorophenol	33.1	5.0	µg/L	50.0		66.2	23-134		20	
4-Chloro-3-methylphenol	34.7	5.0	µg/L	50.0		69.3	22-147		20	
LCS Dup (U5K0203-BSD1)				Prepared: 11/02/15 Analyzed: 11/03/15						
Surrogate: 2-Fluorophenol	*40.3*		*µg/L*	*100*		*40.3*	*22-92*			
Surrogate: Phenol-d5	*27.0*		*µg/L*	*100*		*27.0*	*10-94*			
Surrogate: 2,4,6-Tribromophenol	*60.7*		*µg/L*	*100*		*60.7*	*49-138*			
Phenol	14.1	5.0	µg/L	50.0		28.2	5-112	6.16	20	
2-Chlorophenol	31.6	5.0	µg/L	50.0		63.2	23-134	4.59	20	
4-Chloro-3-methylphenol	33.7	5.0	µg/L	50.0		67.4	22-147	2.75	20	

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California ELAP Certificate #1371

Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Local Limits Testing	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/10/2015

Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J3002 - EPA 624										
Blank (U5J3002-BLK1)				Prepared & Analyzed: 10/30/15						
Surrogate: 4-Bromofluorobenzene	*24.0*		*µg/L*	*25.0*		*95.9*	*70-130*			
Surrogate: Dibromofluoromethane	*25.9*		*µg/L*	*25.0*		*104*	*70-130*			
Surrogate: Toluene-d8	*25.2*		*µg/L*	*25.0*		*101*	*70-130*			
Chloromethane	ND	0.50	µg/L							
Vinyl chloride	ND	0.50	µg/L							
Bromomethane	ND	1.0	µg/L							
Chloroethane	ND	0.50	µg/L							
Trichlorofluoromethane (CFC-11)	ND	0.50	µg/L							
Trichlorotrifluoroethane (CFC-113)	ND	1.0	µg/L							
1,1-Dichloroethene	ND	0.50	µg/L							
Acrolein	ND	10	µg/L							
Methylene chloride	ND	1.0	µg/L							
trans-1,2-Dichloroethene	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
Acrylonitrile	ND	5.0	µg/L							
cis-1,2-Dichloroethene	ND	0.50	µg/L							
Chloroform	ND	0.50	µg/L							
Carbon tetrachloride	ND	0.50	µg/L							
1,1,1-Trichloroethane (TCA)	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
Benzene	ND	0.50	µg/L							
1,2-Dichloroethane (1,2-DCA)	ND	0.50	µg/L							
Trichloroethene (TCE)	ND	0.50	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
2-Chloroethylvinyl ether	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
Toluene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Tetrachloroethene (PCE)	ND	0.50	µg/L							
1,1,2-Trichloroethane	ND	0.50	µg/L							
Dibromochloromethane	ND	0.50	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							

MOORE TWINING ASSOCIATES, INC.

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

California ELAP Certificate #1371

Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Local Limits Testing	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/10/2015

Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J3002 - EPA 624										
Blank (U5J3002-BLK1)				Prepared & Analyzed: 10/30/15						
Ethylbenzene	ND	0.50	µg/L							
Chlorobenzene	ND	0.50	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
m,p-Xylene	ND	1.0	µg/L							
o-Xylene	ND	0.50	µg/L							
Styrene	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	1.0	µg/L							
1,2,3-Trichloropropane (123TCP)	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	1.0	µg/L							
Naphthalene	ND	0.50	µg/L							
Xylenes	ND	2.0	µg/L							
LCS (U5J3002-BS1)				Prepared & Analyzed: 10/30/15						
Surrogate: 4-Bromofluorobenzene	*24.5*		*µg/L*	*25.0*		*98.0*	*70-130*			
Surrogate: Dibromofluoromethane	*26.8*		*µg/L*	*25.0*		*107*	*70-130*			
Surrogate: Toluene-d8	*25.5*		*µg/L*	*25.0*		*102*	*70-130*			
1,1-Dichloroethene	21.6	0.50	µg/L	20.0		108	70-130		20	
Benzene	21.5	0.50	µg/L	20.0		108	70-130		20	
Trichloroethene (TCE)	20.1	0.50	µg/L	20.0		100	70-130		20	
Toluene	21.0	0.50	µg/L	20.0		105	70-130		20	
Chlorobenzene	20.7	0.50	µg/L	20.0		104	70-130		20	
LCS Dup (U5J3002-BSD1)				Prepared & Analyzed: 10/30/15						
Surrogate: 4-Bromofluorobenzene	*24.4*		*µg/L*	*25.0*		*97.6*	*70-130*			
Surrogate: Dibromofluoromethane	*27.2*		*µg/L*	*25.0*		*109*	*70-130*			
Surrogate: Toluene-d8	*25.4*		*µg/L*	*25.0*		*102*	*70-130*			
1,1-Dichloroethene	20.3	0.50	µg/L	20.0		102	70-130	5.97	20	
Benzene	20.4	0.50	µg/L	20.0		102	70-130	5.50	20	
Trichloroethene (TCE)	19.2	0.50	µg/L	20.0		96.1	70-130	4.33	20	
Toluene	19.7	0.50	µg/L	20.0		98.5	70-130	6.63	20	
Chlorobenzene	19.3	0.50	µg/L	20.0		96.6	70-130	6.84	20	

Date of Report: 12/04/2015

Julio Morales

Moore-Twining Associates
2527 Fresno Street
Fresno, CA 93720

Client Project:	BJ28008
BCL Project:	Water Samples
BCL Work Order:	1529778
Invoice ID:	B220594

Enclosed are the results of analyses for samples received by the laboratory on 11/19/2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Misty Orton
Client Service Rep

Authorized Signature

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MOORE TWINING ASSOCIATES INC

SUBCONTRACT ORDER - Purchase Order # 24680

California ELAP Certification # 1371 15-29778

MTA Project #BJ28008

Please reference these numbers on all reports and invoices:
We also request QC data be provided with final report.

SENDING LABORATORY:

Moore Twining Associates, Inc.
2527 Fresno Street
Fresno, CA 93721
Phone: (559) 268-7021
Fax: (559) 268-0740
Project Manager: Julio Morales

RECEIVING LABORATORY:

BC Laboratories, Inc.
4100 Atlas Court
Bakersfield, CA 93308
Phone :(800) 878-4911
Fax: (661) 327-1918

Sample Comments

Client Sample ID#: FTW102715TPC

MTA Sample ID: BJ28008-01 Matrix: Water **Sampled: 10/27/15 16:00**

Requested Analysis: Phosphorus, Total (TKP) Holding time expires: 11/24/15 16:00

Containers Supplied:

CHK BY	DISTRIBUTION
	MA / BJB / / / SUB-OUT ☐

Released By	Date	Received By	Date
	NOV 18 2015		11/19/15 16:17
Released By	Date	Received By	Date
	11/19/15 2230		11-19-15 2230

Please fax copy of receipt with your assigned sample ID number to (559) 268-0740 Page 1 of 1

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Chain of Custody and Cooler Receipt Form for 1529778 Page 2 of 2

BC LABORATORIES INC. COOLER RECEIPT FORM Page 1 Of 1

Submission #: 15-29778

SHIPPING INFORMATION	SHIPPING CONTAINER	FREE LIQUID
Fed Ex ☐ UPS ☐ Ontrac ☐ Hand Delivery ☐ BC Lab Field Service ☒ Other ☐ (Specify)_____	Ice Chest ☒ None ☐ Box ☐ Other ☐ (Specify)_____	YES ☐ NO ☐

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☒ Comments:

All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐

COC Received ☒ YES ☐ NO

Emissivity: 0.97 Container: PE Thermometer ID: 208 Date/Time 11/19/15 2248

Temperature: (A) 1.2 °C / (C) 1.1 °C Analyst Init KJB

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr^{+6}										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS Boak	A									
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548										
QT EPA 549										
QT EPA 8015M										
QT EPA 8270										
8oz / 16oz / 32oz AMBER										
8oz / 16oz / 32oz JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER										

Comments:

Sample Numbering Completed By: [signature] Date/Time: 11/20/15 0845 Rev 20 07/24/2015

A = Actual / C = Corrected [S:\WPDoc\WordPerfect\LAB_DOCS\FORMS\SAMREC rev 20]

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Moore-Twining Associates 2527 Fresno Street Fresno, CA 93720	**Reported:** 12/04/2015 19:52 Project: Water Samples Project Number: BJ28008 Project Manager: Julio Morales

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1529778-01	**COC Number:**	---	**Receive Date:**	11/19/2015 22:30
	Project Number:	---	**Sampling Date:**	10/27/2015 16:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	FTW102715TPC BJ28008-01	**Lab Matrix:**	Water
	Sampled By:	---	**Sample Type:**	Water

Moore-Twining Associates
2527 Fresno Street
Fresno, CA 93720

Reported: 12/04/2015 19:52
Project: Water Samples
Project Number: BJ28008
Project Manager: Julio Morales

Water Analysis (General Chemistry)

BCL Sample ID: 1529778-01 | **Client Sample Name:** FTW102715TPC BJ28008-01, 10/27/2015 4:00:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Total Phosphorus	**1.1**	**mg/L**	**0.050**	**0.012**	**EPA-365.4**	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-365.4	11/20/15	11/24/15 08:53	TDC	SC-1	1	BYK2130

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Moore-Twining Associates 2527 Fresno Street Fresno, CA 93720	**Reported:** 12/04/2015 19:52 Project: Water Samples Project Number: BJ28008 Project Manager: Julio Morales

Water Analysis (General Chemistry)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BYK2130						
Total Phosphorus	BYK2130-BLK1	ND	mg/L	0.050	0.012	

Moore-Twining Associates
2527 Fresno Street
Fresno, CA 93720

Reported: 12/04/2015 19:52
Project: Water Samples
Project Number: BJ28008
Project Manager: Julio Morales

Water Analysis (General Chemistry)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BYK2130										
Total Phosphorus	BYK2130-BS1	LCS	1.0220	1.0000	mg/L	102		85 - 115		

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Moore-Twining Associates
2527 Fresno Street
Fresno, CA 93720

Reported: 12/04/2015 19:52
Project: Water Samples
Project Number: BJ28008
Project Manager: Julio Morales

Water Analysis (General Chemistry)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BYK2130	Used client sample: N										
Total Phosphorus	DUP	1529645-04	0.14720	0.14570		mg/L	1.0		20		
	MS	1529645-04	0.14720	1.1732	1.0000	mg/L		103		80 - 120	
	MSD	1529645-04	0.14720	1.1697	1.0000	mg/L	0.3	102	20	80 - 120	

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Moore-Twining Associates 2527 Fresno Street Fresno, CA 93720	**Reported:** 12/04/2015 19:52 Project: Water Samples Project Number: BJ28008 Project Manager: Julio Morales

Notes And Definitions

MDL	Method Detection Limit
ND	Analyte Not Detected
PQL	Practical Quantitation Limit

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MOORE TWINING ASSOCIATES, INC.

CHAIN OF CUSTODY/ANALYSIS REQUEST

2527 FRESNO STREET • FRESNO, CA 93721 • PHONE (559) 268-7021 • FAX: (559) 268-0740

ANALYTICAL CHEMISTRY DIVISION
CALIFORNIA ELAP CERTIFICATION # 1371

WORK ORDER #: B528008
PAGE 1 OF 2

ATTENTION: Jim Anderson	ATTENTION:
NAME: Malaga County Water District	NAME:
ADDRESS: 3580 S. Frank	ADDRESS:
Fresno, CA 93725	
PHONE: (559) 485-7353	PHONE:
FAX: (559) 495-1070	FAX:

☐ STANDARD FORMAT
☐ EDT (STATE FORM)
☐ GEOTRACKER/COELT (LUFT)
☐ PDF ☐ EXCEL
☐ County DHS :
☐ Environmental Health Agency :
☐ OTHER:

SAMPLE INFORMATION

SAMPLED BY (PRINT): Thomas Siphongsay
SIGNATURE:

☐ PUBLIC SYSTEM ☑ ROUTINE
☐ PRIVATE WELL ☐ REPEAT
☐ OTHER ☐ REPLACEMENT

TURN AROUND TIME: ☐ RUSH, DUE ON:
☑ STANDARD

SAMPLE TYPES:

SOLID:
BS – BIOSOLID
CR – CERAMIC
SL – SOIL/SOLID

LIQUID:
DW – DRINKING WATER
GW – GROUND WATER
OL – OIL
SF – SURFACE WATER
ST – STORM WATER
WW – WASTE WATER

PROJECT INFORMATION

CONTRACT/P.O. NO.:
PROJECT: Local Limits Testing
PROJECT NUMBER: Fresno Truck Wash

LAB USE

NOTES ON RECEIVED CONDITION:
☐ CUSTODY SEAL(S) BROKEN ☐ SAMPLE(S) DAMAGED
☐ ON ICE ☐ AMBIENT TEMP. ☐ INCORRECT PRESERVATION

ANALYSIS REQUESTED

	CLIENT SAMPLE ID	DATE	TIME	TYPE	As, Al, Ba, B, Cd, Cu, Cr, Fe	Hg, Mo, Ni, Pb, Ag, Se, Zn	Ec, BOD, TSS	Ammonia, TKP	Cl, NO3-N, NO2-N, TDS, MBAS	EPA 624 Benzene	EPA 625 Phenols	EPA 1664 Oil and Grease	Cyanide		
1	FTW102715TPC	Start: 10/26/15 End: 10/27/15	Start: 4:00 End: 4:00	WW Co	X	X	X	X	X						
2	FTW102715G	10/27/15	4:00	WW Gr						X	X	X	X		

Comments:
per Thomas, samples were collected @ 4:00 pm. JCM 10/28/15

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY
Thomas Siphongsay	Malaga	10/28/15	10:15		

L-SC-0005-02

Moore Twining Associates

Sample Integrity — Page 2 of 2 — WO# DJ28008 — MTA Bottles: Yes or No

COC Info

Was temperature within range? Chemistry ≤6°C Micro <10°C Temp 5.0 °C	Yes No N/A	Did all bottle labels agree with COC?	Yes No N/A
If samples were taken today, is there evidence that chilling has begun? Recvd 5.0 C°	Yes No N/A	Was a sufficient amount of sample received?	Yes No N/A
Did all bottles arrive unbroken and intact?	Yes No N/A	Were correct containers and preservatives received for the tests requested?	Yes No N/A
Do samples have a hold time <72 hours?	Yes No N/A		

Were there bubbles in VOA vials? (**Volatiles Only**) — Yes No N/A

Was PM notified of discrepancies? — Yes No N/A

PM:

By/Time:

Bottles Received

125ml (A) 250ml (B) 1Liter (C) 40ml VOA (V)	1	2
Bacti $Na_2S_2O_3$		
None (P)	3-C	
Cr6 Buffer (P) Borate Carbonate Buffer		
HNO_3 (P)	1-A	
H_2SO_4 (P)	1-A	
NaOH (P)		1-A
NaOH+ZnAc (P)		
Dissolved Oxygen 300ml (P)		
None (AG)		2-C
None (CG) 500ml		
$Na_2S_2O_3$ 250ml (Brown P) 549		
$Na_2S_2O_3$ (AG)		
$Na_2S_2O_3$ (AG)		
Thio/K Citrate		
NH_4Cl (AG) 552		
HCl (AG)		1-C/3-V
None (CG) 500ml		
H_3PO_4 (AG)		
Other:		
Plastic Bag		
Low Level Hg/Metals Double Bag		
Client Own		
Glass Jar: 125/ 250/ 500		
Soil Tube: Brass/ Steel/ Plastic		
5 g Encore		

Filter or Split

	Container	Preservative	Date/Time/Initials
S P F			
S P F			
S P F			
S P F			
S P F			

Labeled by: [illegible] @ 1125 Labels checked by: [illegible] @ 1130

FL-SC-0003-06

SIU Annual Sampling Results: Speedy Truck Wash

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

December 10, 2015

Work Order #: BJ29036

Jim Anderson
Malaga County Water District
3580 S. Frank
Fresno, CA 93725

RE: Local Limits Testing

Enclosed are the analytical results for samples received by our laboratory on 10/29/15 . For your reference, these analyses have been assigned laboratory work order number BJ29036 .

All analyses have been performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, Moore Twining Associates, Inc. (MTA) is not responsible for use of less than complete reports. Results apply only to samples analyzed.

If you have any questions, please feel free to contact us at the number listed above.

Sincerely,

Moore Twining Associates, Inc.

Julio Morales
Client Services Supervisor

MOORE TWINING ASSOCIATES, INC.

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

California ELAP Certificate #1371

Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Speedy Truck Wash	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/10/2015

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Speedy 102915TPC	BJ29036-01	Waste Water	10/29/15 14:20	10/29/15 15:23
Speedy 102915G	BJ29036-02	Waste Water	10/29/15 14:20	10/29/15 15:23

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California ELAP Certificate #1371

Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Speedy Truck Wash	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/10/2015

Speedy 102915TPC

BJ29036-01 (Waste Water) Sampled:10/29/15 14:20

Analyte	Flag	Result	Reporting Limit	MDL	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Method
Inorganics											
Ammonia as N	J	**0.93**	1.0	0.038	mg/L	1	U5K0504	MPA	11/5/15 8:39	11/5/15 13:57	EPA 350.1
Biochemical Oxygen Demand		**82**	30	30	mg/L	30	U5J2915	CMG	10/30/15 9:00	11/4/15 20:50	SM5210B
Chloride		**16**	6.0	0.055	mg/L	3	U5J2912	ETH	10/29/15 15:21	10/30/15 6:31	EPA 300.0
Specific Conductance (EC)		**1200**	1.0	0.26	µS/cm	1	U5K0323	CMG	11/3/15 22:00	11/3/15 22:00	SM2510B
Methylene Blue Active Substances		**1.0**	0.50	0.31	mg/L	10	U5J2903	MPA	10/29/15 16:30	10/29/15 17:00	SM5540C
Nitrate as Nitrogen		ND	1.4	0.012	mg/L	3	[CALC]	ETH	10/30/15 6:31	10/30/15 6:31	EPA 300.0
Nitrate + Nitrite as N		ND	2.3	0.044	mg/L	3	[CALC]	ETH	10/30/15 6:31	10/30/15 6:31	[CALC]
Nitrate as Nitrogen		ND	1.4	0.012	mg/L	3	[CALC]	ETH	10/30/15 6:31	10/30/15 6:31	[CALC]
Nitrate as NO3		ND	6.0	0.053	mg/L	3	U5J2912	ETH	10/29/15 15:21	10/30/15 6:31	EPA 300.0
Nitrite as N		ND	0.90	0.032	mg/L	3	U5J2912	ETH	10/29/15 15:21	10/30/15 6:31	EPA 300.0
Total Dissolved Solids		**840**	10	8.1	mg/L	1	U5K0410	MVY	11/4/15 9:06	11/5/15 14:10	SM 2540C
Total Suspended Solids		**160**	40	2.3	mg/L	10	U5K0302	MMJ	11/3/15 8:16	11/4/15 11:55	SM 2540D
Metals - Totals											
Aluminum		**5.7**	0.10	0.014	mg/L	1	U5J2914	DAR	11/2/15 11:15	11/9/15 19:32	EPA 200.7
Arsenic	J	**0.0077**	0.020	0.0047	mg/L	1	U5J2914	DAR	11/2/15 11:15	11/9/15 19:32	EPA 200.7
Barium		**0.20**	0.020	0.00026	mg/L	1	U5J2914	DAR	11/2/15 11:15	11/9/15 19:32	EPA 200.7
Boron	J	**0.075**	0.10	0.0017	mg/L	1	U5J2914	DAR	11/2/15 11:15	11/9/15 19:32	EPA 200.7
Cadmium		**0.011**	0.0020	0.00041	mg/L	1	U5J2914	DAR	11/2/15 11:15	11/9/15 19:32	EPA 200.7
Chromium		**0.022**	0.010	0.0018	mg/L	1	U5J2914	DAR	11/2/15 11:15	11/9/15 19:32	EPA 200.7
Copper		**0.068**	0.010	0.0019	mg/L	1	U5J2914	DAR	11/2/15 11:15	11/9/15 19:32	EPA 200.7
Iron		**5.6**	0.20	0.034	mg/L	1	U5J2914	DAR	11/2/15 11:15	11/9/15 19:32	EPA 200.7
Lead		**0.013**	0.010	0.0028	mg/L	1	U5J2914	DAR	11/2/15 11:15	11/9/15 19:32	EPA 200.7
Mercury	D2	ND	2.0	0.35	µg/L	1	U5K0317	JTN	11/4/15 6:48	11/4/15 13:04	EPA 245.2
Molybdenum		**0.022**	0.010	0.0015	mg/L	1	U5J2914	DAR	11/2/15 11:15	11/9/15 19:32	EPA 200.7
Nickel		**0.038**	0.010	0.0010	mg/L	1	U5J2914	DAR	11/2/15 11:15	11/9/15 19:32	EPA 200.7
Selenium	J	**0.013**	0.040	0.0036	mg/L	1	U5J2914	DAR	11/2/15 11:15	11/9/15 19:32	EPA 200.7
Silver		ND	0.010	0.0022	mg/L	1	U5J2914	DAR	11/2/15 11:15	11/9/15 19:32	EPA 200.7
Zinc		**1.0**	0.010	0.0016	mg/L	1	U5J2914	DAR	11/2/15 11:15	11/9/15 19:32	EPA 200.7

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California ELAP Certificate #1371

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Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Speedy Truck Wash	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/10/2015

Speedy 102915G

BJ29036-02 (Waste Water) Sampled:10/29/15 14:20

Analyte	Flag	Result	Reporting Limit	MDL	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Method
Inorganics											
Cyanide (total)	D2	ND	10	5.5	µg/L	1	U5K0624	JTN	11/9/15 7:18	11/9/15 12:10	SM4500CN-E
Semi-Volatile Organics											
Phenol	J	**1.1**	5.0	0.63	µg/L	1	U5K0203	FFP	11/2/15 8:33	11/4/15 5:23	EPA 625
2-Chlorophenol		ND	5.0	0.69	µg/L	1	U5K0203	FFP	11/2/15 8:33	11/4/15 5:23	EPA 625
2-Methylphenol		ND	5.0	0.93	µg/L	1	U5K0203	FFP	11/2/15 8:33	11/4/15 5:23	EPA 625
3-Methylphenol		ND	5.0	0.96	µg/L	1	U5K0203	FFP	11/2/15 8:33	11/4/15 5:23	EPA 625
4-Methylphenol	J	**3.5**	5.0	1.1	µg/L	1	U5K0203	FFP	11/2/15 8:33	11/4/15 5:23	EPA 625
2-Nitrophenol		ND	5.0	1.3	µg/L	1	U5K0203	FFP	11/2/15 8:33	11/4/15 5:23	EPA 625
2,4-Dimethylphenol		ND	5.0	1.2	µg/L	1	U5K0203	FFP	11/2/15 8:33	11/4/15 5:23	EPA 625
2,4-Dichlorophenol		ND	5.0	0.79	µg/L	1	U5K0203	FFP	11/2/15 8:33	11/4/15 5:23	EPA 625
2,6-Dichlorophenol		ND	5.0	0.59	µg/L	1	U5K0203	FFP	11/2/15 8:33	11/4/15 5:23	EPA 625
4-Chloro-3-methylphenol		ND	5.0	0.57	µg/L	1	U5K0203	FFP	11/2/15 8:33	11/4/15 5:23	EPA 625
2,4,5-Trichlorophenol		ND	5.0	2.3	µg/L	1	U5K0203	FFP	11/2/15 8:33	11/4/15 5:23	EPA 625
2,4,6-Trichlorophenol		ND	5.0	2.5	µg/L	1	U5K0203	FFP	11/2/15 8:33	11/4/15 5:23	EPA 625
2,4-Dinitrophenol		ND	5.0	1.9	µg/L	1	U5K0203	FFP	11/2/15 8:33	11/4/15 5:23	EPA 625
4-Nitrophenol		ND	5.0	1.6	µg/L	1	U5K0203	FFP	11/2/15 8:33	11/4/15 5:23	EPA 625
2,3,4,6-Tetrachlorophenol		ND	5.0	0.59	µg/L	1	U5K0203	FFP	11/2/15 8:33	11/4/15 5:23	EPA 625
4,6-Dinitro-2-methylphenol		ND	5.0	0.51	µg/L	1	U5K0203	FFP	11/2/15 8:33	11/4/15 5:23	EPA 625
Pentachlorophenol		ND	5.0	1.3	µg/L	1	U5K0203	FFP	11/2/15 8:33	11/4/15 5:23	EPA 625
Surrogate: 2-Fluorophenol		*17.92 %*	*22-92*				*U5K0203*		11/2/15 8:33	11/4/15 5:23	*EPA 625*
Surrogate: Phenol-d5		*25.7 %*	*10-94*				*U5K0203*		11/2/15 8:33	11/4/15 5:23	*EPA 625*
Surrogate: 2,4,6-Tribromophenol		*68.4 %*	*49-138*				*U5K0203*		11/2/15 8:33	11/4/15 5:23	*EPA 625*
Total Oil & Grease (HEM)		**17**	1.0	0.17	mg/L	1	U5K1105	BBA	11/11/15 9:30	11/12/15 16:30	EPA 1664A
Volatile Organics											
Chloromethane	J	**0.24**	0.50	0.16	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 16:29	EPA 624
Vinyl chloride		ND	0.50	0.16	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 16:29	EPA 624
Bromomethane		ND	1.0	0.32	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 16:29	EPA 624
Chloroethane		ND	0.50	0.16	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 16:29	EPA 624
Trichlorofluoromethane (CFC-11)		ND	0.50	0.13	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 16:29	EPA 624
Trichlorotrifluoroethane (CFC-113)		ND	1.0	0.11	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 16:29	EPA 624
1,1-Dichloroethene		ND	0.50	0.14	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 16:29	EPA 624
Acrolein		ND	10	1.5	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 16:29	EPA 624
Methylene chloride		ND	1.0	0.20	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 16:29	EPA 624

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
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Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Speedy Truck Wash	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/10/2015

Speedy 102915G

BJ29036-02 (Waste Water) Sampled:10/29/15 14:20

Analyte	Flag	Result	Reporting Limit	MDL	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Method
Volatile Organics											
trans-1,2-Dichloroethene		ND	0.50	0.11	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 16:29	EPA 624
Methyl tert-Butyl Ether (MTBE)		ND	1.0	0.36	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 16:29	EPA 624
1,1-Dichloroethane		ND	0.50	0.12	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 16:29	EPA 624
Acrylonitrile		ND	5.0	2.9	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 16:29	EPA 624
cis-1,2-Dichloroethene		ND	0.50	0.15	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 16:29	EPA 624
Chloroform		ND	0.50	0.14	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 16:29	EPA 624
Carbon tetrachloride		ND	0.50	0.16	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 16:29	EPA 624
1,1,1-Trichloroethane (TCA)		ND	0.50	0.16	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 16:29	EPA 624
1,1-Dichloropropene		ND	0.50	0.12	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 16:29	EPA 624
Benzene		ND	0.50	0.10	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 16:29	EPA 624
1,2-Dichloroethane (1,2-DCA)		ND	0.50	0.10	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 16:29	EPA 624
Trichloroethene (TCE)		ND	0.50	0.17	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 16:29	EPA 624
1,2-Dichloropropane		ND	0.50	0.10	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 16:29	EPA 624
Bromodichloromethane		ND	0.50	0.13	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 16:29	EPA 624
2-Chloroethylvinyl ether		ND	1.0	0.33	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 16:29	EPA 624
cis-1,3-Dichloropropene		ND	0.50	0.11	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 16:29	EPA 624
Toluene		ND	0.50	0.27	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 16:29	EPA 624
trans-1,3-Dichloropropene		ND	0.50	0.14	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 16:29	EPA 624
Tetrachloroethene (PCE)		ND	0.50	0.12	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 16:29	EPA 624
1,1,2-Trichloroethane		ND	0.50	0.12	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 16:29	EPA 624
Dibromochloromethane		ND	0.50	0.11	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 16:29	EPA 624
1,2-Dibromoethane (EDB)		ND	0.50	0.22	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 16:29	EPA 624
Ethylbenzene		ND	0.50	0.10	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 16:29	EPA 624
Chlorobenzene		ND	0.50	0.10	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 16:29	EPA 624
1,1,1,2-Tetrachloroethane		ND	0.50	0.12	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 16:29	EPA 624
m,p-Xylene		ND	1.0	0.20	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 16:29	EPA 624
o-Xylene		ND	0.50	0.10	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 16:29	EPA 624
Styrene		ND	0.50	0.10	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 16:29	EPA 624
Bromoform		ND	1.0	0.12	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 16:29	EPA 624
1,1,2,2-Tetrachloroethane		ND	1.0	0.21	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 16:29	EPA 624
1,2,3-Trichloropropane (123TCP)		ND	0.50	0.29	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 16:29	EPA 624
1,3-Dichlorobenzene		ND	0.50	0.040	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 16:29	EPA 624
1,4-Dichlorobenzene		ND	0.50	0.10	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 16:29	EPA 624
1,2-Dichlorobenzene		ND	0.50	0.12	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 16:29	EPA 624

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California ELAP Certificate #1371

Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Speedy Truck Wash	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/10/2015

Speedy 102915G

BJ29036-02 (Waste Water) Sampled:10/29/15 14:20

Analyte	Flag	Result	Reporting Limit	MDL	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Method
Volatile Organics											
1,2,4-Trichlorobenzene		ND	1.0	0.10	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 16:29	EPA 624
Hexachlorobutadiene		ND	1.0	0.10	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 16:29	EPA 624
Naphthalene		ND	0.50	0.15	µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 16:29	EPA 624
Xylenes		ND	2.0		µg/L	1	U5J3002	GAB	10/30/15 10:00	10/30/15 16:29	EPA 624
Surrogate: 4-Bromofluorobenzene		*94.8 %*	*70-130*				*U5J3002*		10/30/15 10:00	10/30/15 16:29	*EPA 624*
Surrogate: Dibromofluoromethane		*109 %*	*70-130*				*U5J3002*		10/30/15 10:00	10/30/15 16:29	*EPA 624*
Surrogate: Toluene-d8		*103 %*	*70-130*				*U5J3002*		10/30/15 10:00	10/30/15 16:29	*EPA 624*

Notes and Definitions

S02	Surrogate recovery was affected by the matrix.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag). Same as DNQ - Detected, but Not Quantified.
D2	Sample diluted due to high concentration(s) of non-target analyte(s).
BS2	Recovery for this analyte was biased low. Results were accepted based on duplicate results.
ug/L	micrograms per liter (parts per billion concentration units)
mg/kg	milligrams per kilogram (parts per million concentration units)
mg/L	milligrams per Liter (parts per million concentration units)
ND	Analyte NOT DETECTED at or above the Minimum Detection Limit (MDL)
RPD	Relative Percent Difference

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Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Speedy Truck Wash	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/10/2015

Inorganics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J2903 - SM5540C										
Blank (U5J2903-BLK1)				Prepared & Analyzed: 10/29/15						
Methylene Blue Active Substances	ND	0.050	mg/L							
LCS (U5J2903-BS1)				Prepared & Analyzed: 10/29/15						
Methylene Blue Active Substances	1.10	0.050	mg/L	1.00		110	80-120		20	
LCS Dup (U5J2903-BSD1)				Prepared & Analyzed: 10/29/15						
Methylene Blue Active Substances	1.07	0.050	mg/L	1.00		107	80-120	2.86	20	
Matrix Spike (U5J2903-MS1)		**Source: BJ28066-01**		Prepared & Analyzed: 10/29/15						
Methylene Blue Active Substances	0.958	0.050	mg/L	1.00	ND	95.8	80-120		20	
Matrix Spike (U5J2903-MS2)		**Source: BJ28068-01**		Prepared & Analyzed: 10/29/15						
Methylene Blue Active Substances	0.940	0.050	mg/L	1.00	ND	94.0	80-120		20	
Matrix Spike Dup (U5J2903-MSD1)		**Source: BJ28066-01**		Prepared & Analyzed: 10/29/15						
Methylene Blue Active Substances	0.912	0.050	mg/L	1.00	ND	91.2	80-120	4.92	20	
Matrix Spike Dup (U5J2903-MSD2)		**Source: BJ28068-01**		Prepared & Analyzed: 10/29/15						
Methylene Blue Active Substances	0.923	0.050	mg/L	1.00	ND	92.3	80-120	1.83	20	
Batch U5J2912 - EPA 300.0										
Blank (U5J2912-BLK1)				Prepared: 10/29/15 Analyzed: 10/30/15						
Chloride	ND	2.0	mg/L							
Nitrite as N	ND	0.30	mg/L							
Nitrate as NO3	0.0466	2.0	mg/L							J
LCS (U5J2912-BS1)				Prepared: 10/29/15 Analyzed: 10/30/15						
Chloride	49.6	2.0	mg/L	50.0		99.1	90-110		20	
Nitrite as N	4.93	0.30	mg/L	5.00		98.6	90-110		20	
Nitrate as NO3	49.5	2.0	mg/L	50.0		99.0	90-110		20	
LCS Dup (U5J2912-BSD1)				Prepared: 10/29/15 Analyzed: 10/30/15						
Chloride	49.6	2.0	mg/L	50.0		99.1	90-110	0.0190	20	
Nitrite as N	4.93	0.30	mg/L	5.00		98.6	90-110	0.0325	20	
Nitrate as NO3	49.4	2.0	mg/L	50.0		98.7	90-110	0.306	20	
Matrix Spike (U5J2912-MS1)		**Source: BJ29019-01**		Prepared: 10/29/15 Analyzed: 10/30/15						
Chloride	2050	84	mg/L	2100	11.3	97.0	48-147		15	
Nitrite as N	212	13	mg/L	210	ND	101	80-120		20	
Nitrate as NO3	2050	84	mg/L	2100	ND	97.6	70-130		20	
Matrix Spike (U5J2912-MS2)		**Source: BJ29019-11**		Prepared: 10/29/15 Analyzed: 10/30/15						

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California ELAP Certificate #1371

Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Speedy Truck Wash	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/10/2015

Inorganics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J2912 - EPA 300.0										
Matrix Spike (U5J2912-MS2)		**Source: BJ29019-11**		Prepared: 10/29/15 Analyzed: 10/30/15						
Chloride	3320	140	mg/L	3400	11.0	97.2	48-147		15	
Nitrite as N	341	20	mg/L	340	ND	100	80-120		20	
Nitrate as NO3	3350	140	mg/L	3400	60.2	96.7	70-130		20	
Matrix Spike Dup (U5J2912-MSD1)		**Source: BJ29019-01**		Prepared: 10/29/15 Analyzed: 10/30/15						
Nitrite as N	221	13	mg/L	210	ND	105	80-120	4.24	20	
Chloride	2140	84	mg/L	2100	11.3	102	48-147	4.57	15	
Nitrate as NO3	2160	84	mg/L	2100	ND	103	70-130	5.04	20	
Matrix Spike Dup (U5J2912-MSD2)		**Source: BJ29019-11**		Prepared: 10/29/15 Analyzed: 10/30/15						
Nitrite as N	339	20	mg/L	340	ND	99.5	80-120	0.796	20	
Chloride	3310	140	mg/L	3400	11.0	96.9	48-147	0.292	15	
Nitrate as NO3	3340	140	mg/L	3400	60.2	96.4	70-130	0.393	20	
Batch U5J2915 - SM5210B										
Blank (U5J2915-BLK1)				Prepared: 10/30/15 Analyzed: 11/04/15						
Biochemical Oxygen Demand	ND	1.0	mg/L							
LCS (U5J2915-BS1)				Prepared: 10/30/15 Analyzed: 11/04/15						
Biochemical Oxygen Demand	176	50	mg/L	198		88.9	85-115		20	
LCS Dup (U5J2915-BSD1)				Prepared: 10/30/15 Analyzed: 11/04/15						
Biochemical Oxygen Demand	166	50	mg/L	198		84.1	85-115	5.55	20	BS2
Duplicate (U5J2915-DUP1)		**Source: BJ29022-01**		Prepared: 10/30/15 Analyzed: 11/04/15						
Biochemical Oxygen Demand	153	30	mg/L		149			2.66	20	
Duplicate (U5J2915-DUP2)		**Source: BJ29027-02**		Prepared: 10/30/15 Analyzed: 11/04/15						
Biochemical Oxygen Demand	375	100	mg/L		428			13.2	20	
Batch U5K0302 - SM 2540D										
Blank (U5K0302-BLK1)				Prepared: 11/03/15 Analyzed: 11/04/15						
Total Suspended Solids	ND	4.0	mg/L							
Duplicate (U5K0302-DUP1)		**Source: BJ29027-04**		Prepared: 11/03/15 Analyzed: 11/04/15						
Total Suspended Solids	520	100	mg/L		580			9.95	20	
Duplicate (U5K0302-DUP2)		**Source: BJ29027-05**		Prepared: 11/03/15 Analyzed: 11/04/15						
Total Suspended Solids	460	200	mg/L		480			4.26	20	
Batch U5K0323 - SM2510B										

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3580 S. Frank	Project Number: Speedy Truck Wash	Reported:
Fresno CA, 93725	Project Manager: Jim Anderson	12/10/2015

Inorganics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Blank (U5K0323-BLK1)				Prepared & Analyzed: 11/03/15						
Specific Conductance (EC)	ND	1.0	µS/cm							
LCS (U5K0323-BS1)				Prepared & Analyzed: 11/03/15						
Specific Conductance (EC)	527	1.0	µS/cm	500		105	80-120		20	
LCS Dup (U5K0323-BSD1)				Prepared & Analyzed: 11/03/15						
Specific Conductance (EC)	524	1.0	µS/cm	500		105	80-120	0.579	20	
Duplicate (U5K0323-DUP1)		**Source: BJ28028-01**		Prepared & Analyzed: 11/03/15						
Specific Conductance (EC)	860	1.0	µS/cm		868			0.940	20	
Duplicate (U5K0323-DUP2)		**Source: BK03027-01**		Prepared & Analyzed: 11/03/15						
Specific Conductance (EC)	1470	1.0	µS/cm		1480			0.385	20	
Batch U5K0410 - SM 2540C										
Blank (U5K0410-BLK1)				Prepared: 11/04/15 Analyzed: 11/05/15						
Total Dissolved Solids	ND	10	mg/L							
LCS (U5K0410-BS1)				Prepared: 11/04/15 Analyzed: 11/05/15						
Total Dissolved Solids	240	10	mg/L	240		100	80-120		20	
LCS Dup (U5K0410-BSD1)				Prepared: 11/04/15 Analyzed: 11/05/15						
Total Dissolved Solids	240	10	mg/L	240		100	80-120	0.00	20	
Duplicate (U5K0410-DUP1)		**Source: BK03036-01**		Prepared: 11/04/15 Analyzed: 11/05/15						
Total Dissolved Solids	9570	200	mg/L		9160			4.38	20	
Duplicate (U5K0410-DUP2)		**Source: BK03040-01**		Prepared: 11/04/15 Analyzed: 11/05/15						
Total Dissolved Solids	20400	200	mg/L		23100			12.4	20	
Batch U5K0504 - EPA 350.1										
Blank (U5K0504-BLK1)				Prepared & Analyzed: 11/05/15						
Ammonia as N	ND	1.0	mg/L							
LCS (U5K0504-BS1)				Prepared & Analyzed: 11/05/15						
Ammonia as N	22.2	1.0	mg/L	22.5		98.8	80-120		20	
LCS Dup (U5K0504-BSD1)				Prepared & Analyzed: 11/05/15						
Ammonia as N	21.2	1.0	mg/L	22.5		94.1	80-120	4.88	20	
Matrix Spike (U5K0504-MS1)		**Source: BJ29025-03**		Prepared & Analyzed: 11/05/15						
Ammonia as N	44.6	1.0	mg/L	22.5	22.8	97.0	80-120		20	
Matrix Spike (U5K0504-MS2)		**Source: BK03011-03**		Prepared & Analyzed: 11/05/15						
Ammonia as N	21.1	1.0	mg/L	22.5	ND	93.6	80-120		20	

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3580 S. Frank	Project Number: Speedy Truck Wash	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/10/2015

Inorganics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5K0504 - EPA 350.1										
Matrix Spike Dup (U5K0504-MSD1)		**Source: BJ29025-03**		Prepared & Analyzed: 11/05/15						
Ammonia as N	43.0	1.0	mg/L	22.5	22.8	89.9	80-120	3.65	20	
Matrix Spike Dup (U5K0504-MSD2)		**Source: BK03011-03**		Prepared & Analyzed: 11/05/15						
Ammonia as N	21.7	1.0	mg/L	22.5	ND	96.3	80-120	2.81	20	
Batch U5K0624 - SM4500CN-E										
Blank (U5K0624-BLK1)				Prepared & Analyzed: 11/09/15						
Cyanide (total)	ND	5.0	µg/L							
LCS (U5K0624-BS1)				Prepared & Analyzed: 11/09/15						
Cyanide (total)	48.3	5.0	µg/L	50.0		96.6	80-120		20	
LCS Dup (U5K0624-BSD1)				Prepared & Analyzed: 11/09/15						
Cyanide (total)	47.8	5.0	µg/L	50.0		95.6	80-120	1.04	20	
Matrix Spike (U5K0624-MS1)		**Source: BK03008-01**		Prepared & Analyzed: 11/09/15						
Cyanide (total)	49.1	5.0	µg/L	50.0	ND	98.2	80-120		20	
Matrix Spike Dup (U5K0624-MSD1)		**Source: BK03008-01**		Prepared & Analyzed: 11/09/15						
Cyanide (total)	47.8	5.0	µg/L	50.0	ND	95.6	80-120	2.68	20	

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Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Speedy Truck Wash	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/10/2015

Metals - Totals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J2914 - EPA 200.7										
Blank (U5J2914-BLK1)				Prepared: 11/02/15 Analyzed: 11/09/15						
Nickel	ND	0.0050	mg/L							
Arsenic	ND	0.010	mg/L							
Chromium	ND	0.0050	mg/L							
Zinc	0.000961	0.0050	mg/L							J
Barium	ND	0.010	mg/L							
Silver	ND	0.0050	mg/L							
Molybdenum	ND	0.0050	mg/L							
Copper	ND	0.0050	mg/L							
Iron	ND	0.10	mg/L							
Lead	ND	0.0050	mg/L							
Aluminum	0.00870	0.050	mg/L							J
Cadmium	ND	0.0010	mg/L							
Boron	0.00873	0.050	mg/L							J
Selenium	ND	0.020	mg/L							
LCS (U5J2914-BS1)				Prepared: 11/02/15 Analyzed: 11/09/15						
Silver	0.109	0.0050	mg/L	0.100		109	85-115		20	
Zinc	0.103	0.0050	mg/L	0.100		103	85-115		20	
Copper	0.0983	0.0050	mg/L	0.100		98.3	85-115		20	
Arsenic	0.187	0.010	mg/L	0.200		93.5	85-115		20	
Molybdenum	0.0985	0.0050	mg/L	0.100		98.5	85-115		20	
Chromium	0.103	0.0050	mg/L	0.100		103	85-115		20	
Barium	0.207	0.010	mg/L	0.200		104	85-115		20	
Lead	0.103	0.0050	mg/L	0.100		103	85-115		20	
Iron	2.05	0.10	mg/L	2.00		103	85-115		20	
Nickel	0.106	0.0050	mg/L	0.100		106	85-115		20	
Cadmium	0.0204	0.0010	mg/L	0.0200		102	85-115		20	
Selenium	0.405	0.020	mg/L	0.400		101	85-115		20	
Aluminum	1.01	0.050	mg/L	1.00		101	85-115		20	
Boron	0.972	0.050	mg/L	1.00		97.2	85-115		20	
LCS Dup (U5J2914-BSD1)				Prepared: 11/02/15 Analyzed: 11/09/15						
Iron	2.04	0.10	mg/L	2.00		102	85-115	0.637	20	
Barium	0.208	0.010	mg/L	0.200		104	85-115	0.151	20	
Nickel	0.106	0.0050	mg/L	0.100		106	85-115	0.421	20	
Copper	0.0994	0.0050	mg/L	0.100		99.4	85-115	1.12	20	

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Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Speedy Truck Wash	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/10/2015

Metals - Totals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J2914 - EPA 200.7										
LCS Dup (U5J2914-BSD1)				Prepared: 11/02/15 Analyzed: 11/09/15						
Zinc	0.102	0.0050	mg/L	0.100		102	85-115	0.532	20	
Chromium	0.103	0.0050	mg/L	0.100		103	85-115	0.605	20	
Molybdenum	0.0981	0.0050	mg/L	0.100		98.1	85-115	0.367	20	
Aluminum	0.998	0.050	mg/L	1.00		99.8	85-115	1.72	20	
Silver	0.109	0.0050	mg/L	0.100		109	85-115	0.342	20	
Selenium	0.401	0.020	mg/L	0.400		100	85-115	0.846	20	
Cadmium	0.0204	0.0010	mg/L	0.0200		102	85-115	0.0789	20	
Lead	0.103	0.0050	mg/L	0.100		103	85-115	0.681	20	
Boron	0.972	0.050	mg/L	1.00		97.2	85-115	0.0270	20	
Arsenic	0.195	0.010	mg/L	0.200		97.5	85-115	4.26	20	
Matrix Spike (U5J2914-MS1)		**Source: BJ27053-01**		Prepared: 11/02/15 Analyzed: 11/09/15						
Selenium	0.802	0.040	mg/L	0.800	ND	100	70-130		20	
Lead	0.200	0.010	mg/L	0.200	ND	100	70-130		20	
Silver	0.208	0.010	mg/L	0.200	ND	104	70-130		20	
Iron	4.15	0.20	mg/L	4.00	ND	104	70-130		20	
Arsenic	0.412	0.020	mg/L	0.400	ND	103	70-130		20	
Cadmium	0.0400	0.0020	mg/L	0.0400	ND	100	70-130		20	
Copper	0.195	0.010	mg/L	0.200	ND	97.3	70-130		20	
Boron	2.09	0.10	mg/L	2.00	0.0550	102	70-130		20	
Chromium	0.207	0.010	mg/L	0.200	0.00298	102	70-130		20	
Molybdenum	0.202	0.010	mg/L	0.200	0.00466	98.6	70-130		20	
Nickel	0.203	0.010	mg/L	0.200	ND	102	70-130		20	
Barium	0.570	0.020	mg/L	0.400	0.151	105	70-130		20	
Zinc	0.205	0.010	mg/L	0.200	0.00742	98.7	70-130		20	
Aluminum	2.07	0.10	mg/L	2.00	0.0178	103	70-130		20	
Matrix Spike (U5J2914-MS2)		**Source: BJ28066-01**		Prepared: 11/02/15 Analyzed: 11/09/15						
Molybdenum	0.216	0.010	mg/L	0.200	0.0181	99.1	70-130		20	
Lead	0.198	0.010	mg/L	0.200	ND	99.2	70-130		20	
Chromium	0.200	0.010	mg/L	0.200	ND	99.9	70-130		20	
Nickel	0.202	0.010	mg/L	0.200	ND	101	70-130		20	
Aluminum	1.99	0.10	mg/L	2.00	0.0173	98.9	70-130		20	
Iron	4.04	0.20	mg/L	4.00	ND	101	70-130		20	
Zinc	0.221	0.010	mg/L	0.200	0.0230	98.9	70-130		20	
Boron	2.03	0.10	mg/L	2.00	0.0245	100	70-130		20	

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Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Speedy Truck Wash	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/10/2015

Metals - Totals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J2914 - EPA 200.7										
Matrix Spike (U5J2914-MS2)		**Source: BJ28066-01**		Prepared: 11/02/15 Analyzed: 11/09/15						
Copper	0.189	0.010	mg/L	0.200	ND	94.4	70-130		20	
Barium	0.425	0.020	mg/L	0.400	0.00883	104	70-130		20	
Cadmium	0.0403	0.0020	mg/L	0.0400	ND	101	70-130		20	
Silver	0.206	0.010	mg/L	0.200	ND	103	70-130		20	
Arsenic	0.407	0.020	mg/L	0.400	0.00466	102	70-130		20	
Selenium	0.782	0.040	mg/L	0.800	0.00595	97.1	70-130		20	
Matrix Spike Dup (U5J2914-MSD1)		**Source: BJ27053-01**		Prepared: 11/02/15 Analyzed: 11/09/15						
Iron	4.12	0.20	mg/L	4.00	ND	103	70-130	0.556	20	
Nickel	0.205	0.010	mg/L	0.200	ND	103	70-130	1.08	20	
Molybdenum	0.203	0.010	mg/L	0.200	0.00466	99.0	70-130	0.449	20	
Arsenic	0.384	0.020	mg/L	0.400	ND	96.0	70-130	7.12	20	
Chromium	0.209	0.010	mg/L	0.200	0.00298	103	70-130	0.909	20	
Silver	0.211	0.010	mg/L	0.200	ND	106	70-130	1.51	20	
Barium	0.566	0.020	mg/L	0.400	0.151	104	70-130	0.679	20	
Zinc	0.206	0.010	mg/L	0.200	0.00742	99.4	70-130	0.651	20	
Boron	2.09	0.10	mg/L	2.00	0.0550	102	70-130	0.291	20	
Aluminum	2.06	0.10	mg/L	2.00	0.0178	102	70-130	0.631	20	
Copper	0.196	0.010	mg/L	0.200	ND	98.1	70-130	0.831	20	
Cadmium	0.0407	0.0020	mg/L	0.0400	ND	102	70-130	1.74	20	
Selenium	0.798	0.040	mg/L	0.800	ND	99.8	70-130	0.408	20	
Lead	0.202	0.010	mg/L	0.200	ND	101	70-130	1.01	20	
Matrix Spike Dup (U5J2914-MSD2)		**Source: BJ28066-01**		Prepared: 11/02/15 Analyzed: 11/09/15						
Aluminum	2.01	0.10	mg/L	2.00	0.0173	99.9	70-130	1.02	20	
Arsenic	0.412	0.020	mg/L	0.400	0.00466	103	70-130	1.25	20	
Barium	0.423	0.020	mg/L	0.400	0.00883	103	70-130	0.624	20	
Lead	0.197	0.010	mg/L	0.200	ND	98.5	70-130	0.722	20	
Iron	4.06	0.20	mg/L	4.00	ND	101	70-130	0.503	20	
Zinc	0.219	0.010	mg/L	0.200	0.0230	97.8	70-130	1.01	20	
Nickel	0.201	0.010	mg/L	0.200	ND	100	70-130	0.438	20	
Selenium	0.783	0.040	mg/L	0.800	0.00595	97.2	70-130	0.104	20	
Silver	0.206	0.010	mg/L	0.200	ND	103	70-130	0.0762	20	
Molybdenum	0.217	0.010	mg/L	0.200	0.0181	99.5	70-130	0.359	20	
Boron	2.05	0.10	mg/L	2.00	0.0245	101	70-130	1.04	20	
Cadmium	0.0404	0.0020	mg/L	0.0400	ND	101	70-130	0.264	20	

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3580 S. Frank	Project Number: Speedy Truck Wash	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/10/2015

Metals - Totals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J2914 - EPA 200.7										
Matrix Spike Dup (U5J2914-MSD2)		**Source: BJ28066-01**		Prepared: 11/02/15 Analyzed: 11/09/15						
Chromium	0.201	0.010	mg/L	0.200	ND	101	70-130	0.839	20	
Copper	0.189	0.010	mg/L	0.200	ND	94.6	70-130	0.216	20	
Batch U5K0317 - EPA 245.2										
Blank (U5K0317-BLK1)				Prepared & Analyzed: 11/04/15						
Mercury	ND	0.20	µg/L							
LCS (U5K0317-BS1)				Prepared & Analyzed: 11/04/15						
Mercury	5.26	0.20	µg/L	5.00		105	80-120		20	
LCS Dup (U5K0317-BSD1)				Prepared & Analyzed: 11/04/15						
Mercury	5.38	0.20	µg/L	5.00		108	80-120	2.17	20	
Matrix Spike (U5K0317-MS1)		**Source: BJ30024-01**		Prepared & Analyzed: 11/04/15						
Mercury	164	6.0	µg/L	150	ND	109	70-130		20	
Matrix Spike Dup (U5K0317-MSD1)		**Source: BJ30024-01**		Prepared & Analyzed: 11/04/15						
Mercury	164	6.0	µg/L	150	ND	110	70-130	0.118	20	

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Speedy Truck Wash	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/10/2015

Semi-Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5K0203 - EPA 625										
Blank (U5K0203-BLK1)				Prepared: 11/02/15 Analyzed: 11/03/15						
Surrogate: 2-Fluorophenol	*38.7*		*µg/L*	*100*		*38.7*	*22-92*			
Surrogate: Phenol-d5	*25.8*		*µg/L*	*100*		*25.8*	*10-94*			
Surrogate: 2,4,6-Tribromophenol	*57.5*		*µg/L*	*100*		*57.5*	*49-138*			
Phenol	ND	5.0	µg/L							
2-Chlorophenol	ND	5.0	µg/L							
2-Methylphenol	ND	5.0	µg/L							
3-Methylphenol	ND	5.0	µg/L							
4-Methylphenol	ND	5.0	µg/L							
2-Nitrophenol	ND	5.0	µg/L							
2,4-Dimethylphenol	ND	5.0	µg/L							
2,4-Dichlorophenol	ND	5.0	µg/L							
2,6-Dichlorophenol	ND	5.0	µg/L							
4-Chloro-3-methylphenol	ND	5.0	µg/L							
2,4,5-Trichlorophenol	ND	5.0	µg/L							
2,4,6-Trichlorophenol	ND	5.0	µg/L							
2,4-Dinitrophenol	ND	5.0	µg/L							
4-Nitrophenol	ND	5.0	µg/L							
2,3,4,6-Tetrachlorophenol	ND	5.0	µg/L							
4,6-Dinitro-2-methylphenol	ND	5.0	µg/L							
Pentachlorophenol	ND	5.0	µg/L							
LCS (U5K0203-BS1)				Prepared: 11/02/15 Analyzed: 11/03/15						
Surrogate: 2-Fluorophenol	*42.9*		*µg/L*	*100*		*42.9*	*22-92*			
Surrogate: Phenol-d5	*28.9*		*µg/L*	*100*		*28.9*	*10-94*			
Surrogate: 2,4,6-Tribromophenol	*63.8*		*µg/L*	*100*		*63.8*	*49-138*			
Phenol	15.0	5.0	µg/L	50.0		30.0	5-112		20	
2-Chlorophenol	33.1	5.0	µg/L	50.0		66.2	23-134		20	
4-Chloro-3-methylphenol	34.7	5.0	µg/L	50.0		69.3	22-147		20	
LCS Dup (U5K0203-BSD1)				Prepared: 11/02/15 Analyzed: 11/03/15						
Surrogate: 2-Fluorophenol	*40.3*		*µg/L*	*100*		*40.3*	*22-92*			
Surrogate: Phenol-d5	*27.0*		*µg/L*	*100*		*27.0*	*10-94*			
Surrogate: 2,4,6-Tribromophenol	*60.7*		*µg/L*	*100*		*60.7*	*49-138*			
Phenol	14.1	5.0	µg/L	50.0		28.2	5-112	6.16	20	
2-Chlorophenol	31.6	5.0	µg/L	50.0		63.2	23-134	4.59	20	

MOORE TWINING ASSOCIATES, INC.

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

California ELAP Certificate #1371

Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Speedy Truck Wash	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/10/2015

Semi-Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5K0203 - EPA 625										
LCS Dup (U5K0203-BSD1)				Prepared: 11/02/15 Analyzed: 11/03/15						
4-Chloro-3-methylphenol	33.7	5.0	µg/L	50.0		67.4	22-147	2.75	20	
Batch U5K1105 - EPA 1664A										
Blank (U5K1105-BLK1)				Prepared: 11/11/15 Analyzed: 11/12/15						
Total Oil & Grease (HEM)	0.300	1.0	mg/L							J
LCS (U5K1105-BS1)				Prepared: 11/11/15 Analyzed: 11/12/15						
Total Oil & Grease (HEM)	37.7	1.0	mg/L	40.0		94.2	78-114		20	
LCS Dup (U5K1105-BSD1)				Prepared: 11/11/15 Analyzed: 11/12/15						
Total Oil & Grease (HEM)	39.7	1.0	mg/L	40.0		99.2	78-114	5.17	20	

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Speedy Truck Wash	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/10/2015

Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J3002 - EPA 624										
Blank (U5J3002-BLK1)				Prepared & Analyzed: 10/30/15						
Surrogate: 4-Bromofluorobenzene	*24.0*		*µg/L*	*25.0*		*95.9*	*70-130*			
Surrogate: Dibromofluoromethane	*25.9*		*µg/L*	*25.0*		*104*	*70-130*			
Surrogate: Toluene-d8	*25.2*		*µg/L*	*25.0*		*101*	*70-130*			
Chloromethane	ND	0.50	µg/L							
Vinyl chloride	ND	0.50	µg/L							
Bromomethane	ND	1.0	µg/L							
Chloroethane	ND	0.50	µg/L							
Trichlorofluoromethane (CFC-11)	ND	0.50	µg/L							
Trichlorotrifluoroethane (CFC-113)	ND	1.0	µg/L							
1,1-Dichloroethene	ND	0.50	µg/L							
Acrolein	ND	10	µg/L							
Methylene chloride	ND	1.0	µg/L							
trans-1,2-Dichloroethene	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
Acrylonitrile	ND	5.0	µg/L							
cis-1,2-Dichloroethene	ND	0.50	µg/L							
Chloroform	ND	0.50	µg/L							
Carbon tetrachloride	ND	0.50	µg/L							
1,1,1-Trichloroethane (TCA)	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
Benzene	ND	0.50	µg/L							
1,2-Dichloroethane (1,2-DCA)	ND	0.50	µg/L							
Trichloroethene (TCE)	ND	0.50	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
2-Chloroethylvinyl ether	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
Toluene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Tetrachloroethene (PCE)	ND	0.50	µg/L							
1,1,2-Trichloroethane	ND	0.50	µg/L							
Dibromochloromethane	ND	0.50	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Speedy Truck Wash	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/10/2015

Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J3002 - EPA 624										
Blank (U5J3002-BLK1)				Prepared & Analyzed: 10/30/15						
Ethylbenzene	ND	0.50	µg/L							
Chlorobenzene	ND	0.50	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
m,p-Xylene	ND	1.0	µg/L							
o-Xylene	ND	0.50	µg/L							
Styrene	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	1.0	µg/L							
1,2,3-Trichloropropane (123TCP)	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	1.0	µg/L							
Naphthalene	ND	0.50	µg/L							
Xylenes	ND	2.0	µg/L							
LCS (U5J3002-BS1)				Prepared & Analyzed: 10/30/15						
Surrogate: 4-Bromofluorobenzene	*24.5*		*µg/L*	*25.0*		*98.0*	*70-130*			
Surrogate: Dibromofluoromethane	*26.8*		*µg/L*	*25.0*		*107*	*70-130*			
Surrogate: Toluene-d8	*25.5*		*µg/L*	*25.0*		*102*	*70-130*			
1,1-Dichloroethene	21.6	0.50	µg/L	20.0		108	70-130		20	
Benzene	21.5	0.50	µg/L	20.0		108	70-130		20	
Trichloroethene (TCE)	20.1	0.50	µg/L	20.0		100	70-130		20	
Toluene	21.0	0.50	µg/L	20.0		105	70-130		20	
Chlorobenzene	20.7	0.50	µg/L	20.0		104	70-130		20	
LCS Dup (U5J3002-BSD1)				Prepared & Analyzed: 10/30/15						
Surrogate: 4-Bromofluorobenzene	*24.4*		*µg/L*	*25.0*		*97.6*	*70-130*			
Surrogate: Dibromofluoromethane	*27.2*		*µg/L*	*25.0*		*109*	*70-130*			
Surrogate: Toluene-d8	*25.4*		*µg/L*	*25.0*		*102*	*70-130*			
1,1-Dichloroethene	20.3	0.50	µg/L	20.0		102	70-130	5.97	20	
Benzene	20.4	0.50	µg/L	20.0		102	70-130	5.50	20	
Trichloroethene (TCE)	19.2	0.50	µg/L	20.0		96.1	70-130	4.33	20	
Toluene	19.7	0.50	µg/L	20.0		98.5	70-130	6.63	20	
Chlorobenzene	19.3	0.50	µg/L	20.0		96.6	70-130	6.84	20	

Date of Report: 12/01/2015

Julio Morales

Moore-Twining Associates
2527 Fresno Street
Fresno, CA 93720

Client Project:	BJ29036
BCL Project:	Water Samples
BCL Work Order:	1529792
Invoice ID:	B220229

Enclosed are the results of analyses for samples received by the laboratory on 11/19/2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Misty Orton
Client Service Rep

Authorized Signature

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MOORE TWINING ASSOCIATES INC

SUBCONTRACT ORDER - Purchase Order # 24680

California ELAP Certification # 1371 15-29792 **MTA Project #BJ29036**

Please reference these numbers on all reports and invoices:
We also request QC data be provided with final report.

SENDING LABORATORY:

Moore Twining Associates, Inc.
2527 Fresno Street
Fresno, CA 93721
Phone: (559) 268-7021
Fax: (559) 268-0740
Project Manager: Julio Morales

RECEIVING LABORATORY:

BC Laboratories, Inc.
4100 Atlas Court
Bakersfield, CA 93308
Phone :(800) 878-4911
Fax: (661) 327-1918

Sample Comments

Client Sample ID#: Speedy 102915TPC

MTA Sample ID: BJ29036-01 Matrix: Water Sampled: 10/29/15 14:20

Requested Analysis: Phosphorus, Total (TKP) Holding time expires: 11/26/15 14:20

Containers Supplied:

CHK BY DISTRIBUTION
MARY
SUB-OUT

Released By	Date	Received By	Date
	NOV 18 2015		11/19/15 16:17
	11/19/15 2230		11.19.15 2230

Please fax copy of receipt with your assigned sample ID number to (559) 268-0740 Page 1 of 1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
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Chain of Custody and Cooler Receipt Form for 1529792 Page 2 of 2

BC LABORATORIES INC. COOLER RECEIPT FORM Page 1 Of 1

Submission #: 15-29792

SHIPPING INFORMATION
Fed Ex ☐ UPS ☐ Ontrac ☐ Hand Delivery ☐
BC Lab Field Service ☒ Other ☐ (Specify)_____

SHIPPING CONTAINER
Ice Chest ☒ None ☐ Box ☐
Other ☐ (Specify)_____

FREE LIQUID
YES ☐ NO ☐

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☒ Comments:

All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐

COC Received ☒ YES ☐ NO

Emissivity: 0.97 Container: PE Thermometer ID: 208 Date/Time 11/19/15 2248

Temperature: (A) 1.0 °C / (C) 1.1 °C Analyst Init KJB

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr^{+6}										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS 8oz	A									
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548										
QT EPA 549										
QT EPA 8015M										
QT EPA 8270										
8oz / 16oz / 32oz AMBER										
8oz / 16oz / 32oz JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER										

Comments:
Sample Numbering Completed By: [signature] Date/Time: 11/20/15 0845 Rev 20 07/24/2015
A = Actual / C = Corrected (S:\WPDoc\WordPerfect\LAB_DOCS\FORMS\SAMREC rev 20)

Moore-Twining Associates 2527 Fresno Street Fresno, CA 93720	**Reported:** 12/01/2015 15:01 Project: Water Samples Project Number: BJ29036 Project Manager: Julio Morales

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1529792-01	**COC Number:**	---	**Receive Date:**	11/19/2015 22:30
	Project Number:	---	**Sampling Date:**	10/29/2015 14:20
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	Speedy 102915TPC BJ29036-01	**Lab Matrix:**	Water
	Sampled By:	---	**Sample Type:**	Water

Moore-Twining Associates
2527 Fresno Street
Fresno, CA 93720

Reported: 12/01/2015 15:01
Project: Water Samples
Project Number: BJ29036
Project Manager: Julio Morales

Water Analysis (General Chemistry)

BCL Sample ID: 1529792-01 | **Client Sample Name:** Speedy 102915TPC BJ29036-01, 10/29/2015 2:20:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Total Phosphorus	**23**	**mg/L**	**1.0**	**0.24**	**EPA-365.4**	ND	**A07,S05**	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-365.4	11/25/15	11/30/15 09:02	JMH	SC-1	20	BYK2325

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Moore-Twining Associates 2527 Fresno Street Fresno, CA 93720	**Reported:** 12/01/2015 15:01 Project: Water Samples Project Number: BJ29036 Project Manager: Julio Morales

Water Analysis (General Chemistry)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BYK2325						
Total Phosphorus	BYK2325-BLK1	ND	mg/L	0.050	0.012	

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Moore-Twining Associates
2527 Fresno Street
Fresno, CA 93720

Reported: 12/01/2015 15:01
Project: Water Samples
Project Number: BJ29036
Project Manager: Julio Morales

Water Analysis (General Chemistry)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BYK2325										
Total Phosphorus	BYK2325-BS1	LCS	0.99790	1.0000	mg/L	99.8		85 - 115		

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Moore-Twining Associates
2527 Fresno Street
Fresno, CA 93720

Reported: 12/01/2015 15:01
Project: Water Samples
Project Number: BJ29036
Project Manager: Julio Morales

Water Analysis (General Chemistry)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BYK2325	Used client sample: N										
Total Phosphorus	DUP	1529725-02	ND	ND		mg/L			20		
	MS	1529725-02	ND	0.99920	1.0000	mg/L		99.9		80 - 120	
	MSD	1529725-02	ND	1.0013	1.0000	mg/L	0.2	100	20	80 - 120	

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Moore-Twining Associates 2527 Fresno Street Fresno, CA 93720	**Reported:** 12/01/2015 15:01 Project: Water Samples Project Number: BJ29036 Project Manager: Julio Morales

Notes And Definitions

MDL	Method Detection Limit
ND	Analyte Not Detected
PQL	Practical Quantitation Limit
A07	Detection and quantitation limits were raised due to sample dilution caused by high analyte concentration or matrix interference.
S05	The sample holding time was exceeded.

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MOORE TWINING ASSOCIATES, INC.

CHAIN OF CUSTODY/ANALYSIS REQUEST

2527 FRESNO STREET • FRESNO, CA 93721 • PHONE (559) 268-7021 • FAX: (559) 268-0740

ANALYTICAL CHEMISTRY DIVISION
CALIFORNIA ELAP CERTIFICATION # 1371

WORK ORDER #: BJ29036
PAGE 1 OF 2

ATTENTION: Jim Anderson	ATTENTION:
NAME: Malaga County Water District	NAME:
ADDRESS: 3580 S. Frank	ADDRESS:
Fresno, CA 93725	
PHONE: (559) 485-7353	PHONE:
FAX: (559) 495-1070	FAX:

☐ STANDARD FORMAT
☐ EDT (STATE FORM)
☐ GEOTRACKER/COELT (LUFT)
☐ PDF ☐ EXCEL
☐ County DHS :
☐ Environmental Health Agency :
☐ OTHER:

SAMPLE INFORMATION

SAMPLED BY (PRINT): Thomas Siphongsay
SIGNATURE:

☐ PUBLIC SYSTEM ☑ ROUTINE
☐ PRIVATE WELL ☐ REPEAT
☐ OTHER ☐ REPLACEMENT

TURN AROUND TIME: ☐ RUSH, DUE ON:
☑ STANDARD

SAMPLE TYPES:

SOLID:
BS – BIOSOLID
CR – CERAMIC
SL – SOIL/SOLID

LIQUID:
DW – DRINKING WATER
GW – GROUND WATER
OL – OIL
SF – SURFACE WATER
ST – STORM WATER
WW – WASTE WATER

PROJECT INFORMATION

CONTRACT/P.O. NO.:
PROJECT: Local Limits Testing
PROJECT NUMBER: Speedy Truck Wash

LAB USE

NOTES ON RECEIVED CONDITION:
☐ CUSTODY SEAL(S) BROKEN ☐ SAMPLE(S) DAMAGED
☐ ON ICE ☐ AMBIENT TEMP. ☐ INCORRECT PRESERVATION

ANALYSIS REQUESTED

LAB USE	CLIENT SAMPLE ID	DATE	TIME	TYPE	As, Al, Ba, B, Cd, Cu, Cr, Fe	Hg, Mo, Ni, Pb, Ag, Se, Zn	Ec, BOD, TSS	Ammonia, TKP	Cl, NO3-N, NO2-N, TDS, MBAS	EPA 624 Benzene	EPA 625 Phenols	EPA 1664 Oil and Grease	Cyanide		
1	Speedy 102915TPC	Start: 10/28/15 End: 10/29/15	Start: 14:20 End: 14:20	WW Co	X	X	X	X	X						
2	Speedy 102915G	" "	" "	WW Gr						X	X	X	X		

Comments:

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY
Thomas S.	Malaga	10/29/15	15:23		
		10/29/15	15:23	Denna Rimm	MTA

FL-SC-0005-02

Sample Integrity

Page 2 of 2

Moore Twining Associates

WO# BJ29036

MTA Bottles: Yes or No DK

COC Info

Was temperature within range? Chemistry ≤6°C Micro <10°C Temp_____°C	Yes No N/A	Did all bottle labels agree with COC? Yes No N/A
If samples were taken today, is there evidence that chilling has begun? Recvd_____C°	Yes No N/A	Was a sufficient amount of sample received? Yes No N/A
Did all bottles arrive unbroken and intact?	Yes No N/A	Were correct containers and preservatives received for the tests requested? Yes No N/A
Do samples have a hold time <72 hours?	Yes No N/A	

Were there bubbles in VOA vials? (**Volatiles Only**) Yes No N/A

Was PM notified of discrepancies? Yes No N/A

PM:

By/Time: DK

Bottles Received

125ml (A) 250ml (B) 1Liter (C) 40ml VOA (V)		
Bacti $Na_2S_2O_3$		
None (P)	3C	
Cr6 Buffer (P) Borate Carbonate Buffer		
HNO_3 (P)	1A	
H_2SO_4 (P)	1A	
NaOH (P)		1A
NaOH+ZnAc (P)		
Dissolved Oxygen 300ml (P)		
None (AG)		2C
None (CG) 500ml		
$Na_2S_2O_3$ 250ml (Brown P) 549		
$Na_2S_2O_3$ (AG)		
$Na_2S_2O_3$ (AG)		
Thio/K Citrate		
NH_4Cl (AG) 552		
HCl (AG)		1 4/3V
None (CG) 500ml		
H_3PO_4 (AG)		
Other:		
Plastic Bag		
Low Level Hg/Metals Double Bag		
Client Own		
Glass Jar: 125/ 250/ 500		
Soil Tube: Brass/ Steel/ Plastic		
5 g Encore		

Comments

Filter or Split

	Container	Preservative	Date/Time/Initials
S P F			
S P F			
S P F			
S P F			
S P F			

Labeled by: [illegible] @ 1650

Labels checked by: [illegible] @ 1646

FL-SC-0003-06

SIU Annual Sampling Results: Imperial Truck Wash

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

December 10, 2015

Work Order #: BJ30024

Jim Anderson
Malaga County Water District
3580 S. Frank
Fresno, CA 93725

RE: Local Limits Testing

Enclosed are the analytical results for samples received by our laboratory on 10/30/15 . For your reference, these analyses have been assigned laboratory work order number BJ30024 .

All analyses have been performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, Moore Twining Associates, Inc. (MTA) is not responsible for use of less than complete reports. Results apply only to samples analyzed.

If you have any questions, please feel free to contact us at the number listed above.

Sincerely,

Moore Twining Associates, Inc.

Julio Morales
Client Services Supervisor

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Local Limits Testing	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/10/2015

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Imp103015TPC	BJ30024-01	Waste Water	10/30/15 14:40	10/30/15 15:44
Imp103015G	BJ30024-02	Waste Water	10/30/15 14:40	10/30/15 15:44

MOORE TWINING ASSOCIATES, INC.

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California ELAP Certificate #1371

Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Local Limits Testing	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/10/2015

Imp103015TPC

BJ30024-01 (Waste Water) Sampled:10/30/15 14:40

Analyte	Flag	Result	Reporting Limit	MDL	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Method
Inorganics											
Ammonia as N	J	**2.3**	5.0	0.19	mg/L	1	U5K0504	MPA	11/5/15 8:39	11/5/15 14:02	EPA 350.1
Biochemical Oxygen Demand		**490**	100	100	mg/L	100	U5J2916	CMG	10/30/15 18:00	11/4/15 20:52	SM5210B
Chloride		**62**	10	0.092	mg/L	5	U5J3016	ETH	10/30/15 16:52	10/30/15 23:08	EPA 300.0
Specific Conductance (EC)		**1900**	1.0	0.26	µS/cm	1	U5K0323	CMG	11/3/15 22:07	11/3/15 22:07	SM2510B
Methylene Blue Active Substances		ND	5.0	3.1	mg/L	100	U5J3101	MPA	10/31/15 10:31	10/31/15 11:30	SM5540C
Nitrate as Nitrogen		**3.3**	2.3	0.020	mg/L	5	[CALC]	ETH	10/30/15 23:08	10/30/15 23:08	EPA 300.0
Nitrate + Nitrite as N		**3.3**	3.8	0.073	mg/L	5	[CALC]	ETH	10/30/15 23:08	10/30/15 23:08	[CALC]
Nitrate as Nitrogen		**3.3**	2.3	0.020	mg/L	5	[CALC]	ETH	10/30/15 23:08	10/30/15 23:08	[CALC]
Nitrate as NO3		**15**	10	0.088	mg/L	5	U5J3016	ETH	10/30/15 16:52	10/30/15 23:08	EPA 300.0
Nitrite as N		ND	1.5	0.053	mg/L	5	U5J3016	ETH	10/30/15 16:52	10/30/15 23:08	EPA 300.0
Total Dissolved Solids		**1700**	20	16	mg/L	2	U5K0410	MVY	11/4/15 9:06	11/5/15 14:10	SM 2540C
Total Suspended Solids		**290**	40	2.3	mg/L	10	U5K0302	MMJ	11/3/15 8:16	11/4/15 11:55	SM 2540D
Metals - Totals											
Aluminum		**31**	0.10	0.014	mg/L	1	U5J2914	DAR	11/2/15 11:15	11/9/15 20:03	EPA 200.7
Arsenic		**0.020**	0.020	0.0047	mg/L	1	U5J2914	DAR	11/2/15 11:15	11/9/15 20:03	EPA 200.7
Barium		**0.62**	0.020	0.00026	mg/L	1	U5J2914	DAR	11/2/15 11:15	11/9/15 20:03	EPA 200.7
Boron		**0.13**	0.10	0.0017	mg/L	1	U5J2914	DAR	11/2/15 11:15	11/9/15 20:03	EPA 200.7
Cadmium		**0.038**	0.0020	0.00041	mg/L	1	U5J2914	DAR	11/2/15 11:15	11/9/15 20:03	EPA 200.7
Chromium		**0.12**	0.010	0.0018	mg/L	1	U5J2914	DAR	11/2/15 11:15	11/9/15 20:03	EPA 200.7
Copper		**0.20**	0.010	0.0019	mg/L	1	U5J2914	DAR	11/2/15 11:15	11/9/15 20:03	EPA 200.7
Iron		**23**	0.20	0.034	mg/L	1	U5J2914	DAR	11/2/15 11:15	11/9/15 20:03	EPA 200.7
Lead		**0.038**	0.010	0.0028	mg/L	1	U5J2914	DAR	11/2/15 11:15	11/9/15 20:03	EPA 200.7
Mercury	D2	ND	6.0	1.0	µg/L	1	U5K0317	JTN	11/4/15 6:48	11/4/15 13:08	EPA 245.2
Molybdenum		**0.032**	0.010	0.0015	mg/L	1	U5J2914	DAR	11/2/15 11:15	11/9/15 20:03	EPA 200.7
Nickel		**0.12**	0.010	0.0010	mg/L	1	U5J2914	DAR	11/2/15 11:15	11/9/15 20:03	EPA 200.7
Selenium	J	**0.014**	0.040	0.0036	mg/L	1	U5J2914	DAR	11/2/15 11:15	11/9/15 20:03	EPA 200.7
Silver		ND	0.010	0.0022	mg/L	1	U5J2914	DAR	11/2/15 11:15	11/9/15 20:03	EPA 200.7
Zinc		**3.0**	0.010	0.0016	mg/L	1	U5J2914	DAR	11/2/15 11:15	11/9/15 20:03	EPA 200.7

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

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Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Local Limits Testing	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/10/2015

Imp103015G

BJ30024-02 (Waste Water) Sampled:10/30/15 14:40

Analyte	Flag	Result	Reporting Limit	MDL	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Method
Inorganics											
Cyanide (total)	D2	ND	10	5.5	µg/L	1	U5K0624	JTN	11/9/15 7:18	11/9/15 12:10	SM4500CN-E
Semi-Volatile Organics											
Phenol		ND	5.0	0.63	µg/L	1	U5K0203	FFP	11/2/15 8:33	11/4/15 6:59	EPA 625
2-Chlorophenol		ND	5.0	0.69	µg/L	1	U5K0203	FFP	11/2/15 8:33	11/4/15 6:59	EPA 625
2-Methylphenol		ND	5.0	0.93	µg/L	1	U5K0203	FFP	11/2/15 8:33	11/4/15 6:59	EPA 625
3-Methylphenol		ND	5.0	0.96	µg/L	1	U5K0203	FFP	11/2/15 8:33	11/4/15 6:59	EPA 625
4-Methylphenol	**J**	**2.3**	5.0	1.1	µg/L	1	U5K0203	FFP	11/2/15 8:33	11/4/15 6:59	EPA 625
2-Nitrophenol		ND	5.0	1.3	µg/L	1	U5K0203	FFP	11/2/15 8:33	11/4/15 6:59	EPA 625
2,4-Dimethylphenol		ND	5.0	1.2	µg/L	1	U5K0203	FFP	11/2/15 8:33	11/4/15 6:59	EPA 625
2,4-Dichlorophenol		ND	5.0	0.79	µg/L	1	U5K0203	FFP	11/2/15 8:33	11/4/15 6:59	EPA 625
2,6-Dichlorophenol		ND	5.0	0.59	µg/L	1	U5K0203	FFP	11/2/15 8:33	11/4/15 6:59	EPA 625
4-Chloro-3-methylphenol		ND	5.0	0.57	µg/L	1	U5K0203	FFP	11/2/15 8:33	11/4/15 6:59	EPA 625
2,4,5-Trichlorophenol		ND	5.0	2.3	µg/L	1	U5K0203	FFP	11/2/15 8:33	11/4/15 6:59	EPA 625
2,4,6-Trichlorophenol		ND	5.0	2.5	µg/L	1	U5K0203	FFP	11/2/15 8:33	11/4/15 6:59	EPA 625
2,4-Dinitrophenol		ND	5.0	1.9	µg/L	1	U5K0203	FFP	11/2/15 8:33	11/4/15 6:59	EPA 625
4-Nitrophenol		ND	5.0	1.6	µg/L	1	U5K0203	FFP	11/2/15 8:33	11/4/15 6:59	EPA 625
2,3,4,6-Tetrachlorophenol		ND	5.0	0.59	µg/L	1	U5K0203	FFP	11/2/15 8:33	11/4/15 6:59	EPA 625
4,6-Dinitro-2-methylphenol		ND	5.0	0.51	µg/L	1	U5K0203	FFP	11/2/15 8:33	11/4/15 6:59	EPA 625
Pentachlorophenol		ND	5.0	1.3	µg/L	1	U5K0203	FFP	11/2/15 8:33	11/4/15 6:59	EPA 625
Surrogate: 2-Fluorophenol		*24.6 %*	*22-92*				*U5K0203*		11/2/15 8:33	11/4/15 6:59	*EPA 625*
Surrogate: Phenol-d5		*18.7 %*	*10-94*				*U5K0203*		11/2/15 8:33	11/4/15 6:59	*EPA 625*
Surrogate: 2,4,6-Tribromophenol		*59.7 %*	*49-138*				*U5K0203*		11/2/15 8:33	11/4/15 6:59	*EPA 625*
Total Oil & Grease (HEM)		**8.8**	1.0	0.17	mg/L	1	U5K1105	BBA	11/11/15 9:30	11/12/15 16:30	EPA 1664A
Volatile Organics											
Chloromethane		ND	2.5	0.80	µg/L	5	U5K0514	GAB	11/5/15 11:52	11/5/15 23:04	EPA 624
Vinyl chloride		ND	2.5	0.81	µg/L	5	U5K0514	GAB	11/5/15 11:52	11/5/15 23:04	EPA 624
Bromomethane		ND	5.0	1.6	µg/L	5	U5K0514	GAB	11/5/15 11:52	11/5/15 23:04	EPA 624
Chloroethane		ND	2.5	0.82	µg/L	5	U5K0514	GAB	11/5/15 11:52	11/5/15 23:04	EPA 624
Trichlorofluoromethane (CFC-11)		ND	2.5	0.66	µg/L	5	U5K0514	GAB	11/5/15 11:52	11/5/15 23:04	EPA 624
Trichlorotrifluoroethane (CFC-113)		ND	5.0	0.56	µg/L	5	U5K0514	GAB	11/5/15 11:52	11/5/15 23:04	EPA 624
1,1-Dichloroethene		ND	2.5	0.68	µg/L	5	U5K0514	GAB	11/5/15 11:52	11/5/15 23:04	EPA 624
Acrolein		ND	50	7.7	µg/L	5	U5K0514	GAB	11/5/15 11:52	11/5/15 23:04	EPA 624
Methylene chloride		ND	5.0	1.0	µg/L	5	U5K0514	GAB	11/5/15 11:52	11/5/15 23:04	EPA 624

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Local Limits Testing	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/10/2015

Imp103015G

BJ30024-02 (Waste Water) Sampled:10/30/15 14:40

Analyte	Flag	Result	Reporting Limit	MDL	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Method
Volatile Organics											
trans-1,2-Dichloroethene		ND	2.5	0.57	µg/L	5	U5K0514	GAB	11/5/15 11:52	11/5/15 23:04	EPA 624
Methyl tert-Butyl Ether (MTBE)		ND	5.0	1.8	µg/L	5	U5K0514	GAB	11/5/15 11:52	11/5/15 23:04	EPA 624
1,1-Dichloroethane		ND	2.5	0.60	µg/L	5	U5K0514	GAB	11/5/15 11:52	11/5/15 23:04	EPA 624
Acrylonitrile		ND	25	15	µg/L	5	U5K0514	GAB	11/5/15 11:52	11/5/15 23:04	EPA 624
cis-1,2-Dichloroethene		ND	2.5	0.76	µg/L	5	U5K0514	GAB	11/5/15 11:52	11/5/15 23:04	EPA 624
Chloroform		ND	2.5	0.71	µg/L	5	U5K0514	GAB	11/5/15 11:52	11/5/15 23:04	EPA 624
Carbon tetrachloride		ND	2.5	0.82	µg/L	5	U5K0514	GAB	11/5/15 11:52	11/5/15 23:04	EPA 624
1,1,1-Trichloroethane (TCA)		ND	2.5	0.79	µg/L	5	U5K0514	GAB	11/5/15 11:52	11/5/15 23:04	EPA 624
1,1-Dichloropropene		ND	2.5	0.58	µg/L	5	U5K0514	GAB	11/5/15 11:52	11/5/15 23:04	EPA 624
Benzene		ND	2.5	0.51	µg/L	5	U5K0514	GAB	11/5/15 11:52	11/5/15 23:04	EPA 624
1,2-Dichloroethane (1,2-DCA)		ND	2.5	0.50	µg/L	5	U5K0514	GAB	11/5/15 11:52	11/5/15 23:04	EPA 624
Trichloroethene (TCE)		ND	2.5	0.87	µg/L	5	U5K0514	GAB	11/5/15 11:52	11/5/15 23:04	EPA 624
1,2-Dichloropropane		ND	2.5	0.52	µg/L	5	U5K0514	GAB	11/5/15 11:52	11/5/15 23:04	EPA 624
Bromodichloromethane		ND	2.5	0.64	µg/L	5	U5K0514	GAB	11/5/15 11:52	11/5/15 23:04	EPA 624
2-Chloroethylvinyl ether		ND	5.0	1.6	µg/L	5	U5K0514	GAB	11/5/15 11:52	11/5/15 23:04	EPA 624
cis-1,3-Dichloropropene		ND	2.5	0.57	µg/L	5	U5K0514	GAB	11/5/15 11:52	11/5/15 23:04	EPA 624
Toluene		ND	2.5	1.3	µg/L	5	U5K0514	GAB	11/5/15 11:52	11/5/15 23:04	EPA 624
trans-1,3-Dichloropropene		ND	2.5	0.70	µg/L	5	U5K0514	GAB	11/5/15 11:52	11/5/15 23:04	EPA 624
Tetrachloroethene (PCE)		ND	2.5	0.58	µg/L	5	U5K0514	GAB	11/5/15 11:52	11/5/15 23:04	EPA 624
1,1,2-Trichloroethane		ND	2.5	0.58	µg/L	5	U5K0514	GAB	11/5/15 11:52	11/5/15 23:04	EPA 624
Dibromochloromethane		ND	2.5	0.57	µg/L	5	U5K0514	GAB	11/5/15 11:52	11/5/15 23:04	EPA 624
1,2-Dibromoethane (EDB)		ND	2.5	1.1	µg/L	5	U5K0514	GAB	11/5/15 11:52	11/5/15 23:04	EPA 624
Ethylbenzene		ND	2.5	0.50	µg/L	5	U5K0514	GAB	11/5/15 11:52	11/5/15 23:04	EPA 624
Chlorobenzene		ND	2.5	0.52	µg/L	5	U5K0514	GAB	11/5/15 11:52	11/5/15 23:04	EPA 624
1,1,1,2-Tetrachloroethane		ND	2.5	0.60	µg/L	5	U5K0514	GAB	11/5/15 11:52	11/5/15 23:04	EPA 624
m,p-Xylene		ND	5.0	1.0	µg/L	5	U5K0514	GAB	11/5/15 11:52	11/5/15 23:04	EPA 624
o-Xylene		ND	2.5	0.50	µg/L	5	U5K0514	GAB	11/5/15 11:52	11/5/15 23:04	EPA 624
Styrene		ND	2.5	0.50	µg/L	5	U5K0514	GAB	11/5/15 11:52	11/5/15 23:04	EPA 624
Bromoform		ND	5.0	0.60	µg/L	5	U5K0514	GAB	11/5/15 11:52	11/5/15 23:04	EPA 624
1,1,2,2-Tetrachloroethane		ND	5.0	1.1	µg/L	5	U5K0514	GAB	11/5/15 11:52	11/5/15 23:04	EPA 624
1,2,3-Trichloropropane (123TCP)		ND	2.5	1.4	µg/L	5	U5K0514	GAB	11/5/15 11:52	11/5/15 23:04	EPA 624
1,3-Dichlorobenzene		ND	2.5	0.20	µg/L	5	U5K0514	GAB	11/5/15 11:52	11/5/15 23:04	EPA 624
1,4-Dichlorobenzene		ND	2.5	0.50	µg/L	5	U5K0514	GAB	11/5/15 11:52	11/5/15 23:04	EPA 624
1,2-Dichlorobenzene		ND	2.5	0.58	µg/L	5	U5K0514	GAB	11/5/15 11:52	11/5/15 23:04	EPA 624

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California ELAP Certificate #1371

Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Local Limits Testing	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/10/2015

Imp103015G

BJ30024-02 (Waste Water) Sampled:10/30/15 14:40

Analyte	Flag	Result	Reporting Limit	MDL	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Method
Volatile Organics											
1,2,4-Trichlorobenzene		ND	5.0	0.50	µg/L	5	U5K0514	GAB	11/5/15 11:52	11/5/15 23:04	EPA 624
Hexachlorobutadiene		ND	5.0	0.50	µg/L	5	U5K0514	GAB	11/5/15 11:52	11/5/15 23:04	EPA 624
Naphthalene		ND	2.5	0.76	µg/L	5	U5K0514	GAB	11/5/15 11:52	11/5/15 23:04	EPA 624
Xylenes		ND	10		µg/L	5	U5K0514	GAB	11/5/15 11:52	11/5/15 23:04	EPA 624
Surrogate: 4-Bromofluorobenzene	**D4**	*98.0 %*	*70-130*				*U5K0514*		11/5/15 11:52	11/5/15 23:04	*EPA 624*
Surrogate: Dibromofluoromethane	**D4**	*97.3 %*	*70-130*				*U5K0514*		11/5/15 11:52	11/5/15 23:04	*EPA 624*
Surrogate: Toluene-d8	**D4**	*100 %*	*70-130*				*U5K0514*		11/5/15 11:52	11/5/15 23:04	*EPA 624*

Notes and Definitions

MS1	Recovery for this analyte was affected by matrix.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag). Same as DNQ - Detected, but Not Quantified.
D4	Sample was diluted due to the foamy nature of this sample.
D2	Sample diluted due to high concentration(s) of non-target analyte(s).
BS2	Recovery for this analyte was biased low. Results were accepted based on duplicate results.
ug/L	micrograms per liter (parts per billion concentration units)
mg/kg	milligrams per kilogram (parts per million concentration units)
mg/L	milligrams per Liter (parts per million concentration units)
ND	Analyte NOT DETECTED at or above the Minimum Detection Limit (MDL)
RPD	Relative Percent Difference

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Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Local Limits Testing	Reported:
Fresno CA, 93725	Project Manager: Jim Anderson	12/10/2015

Inorganics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J2916 - SM5210B										
Blank (U5J2916-BLK1)				Prepared: 10/30/15 Analyzed: 11/04/15						
Biochemical Oxygen Demand	ND	1.0	mg/L							
LCS (U5J2916-BS1)				Prepared: 10/30/15 Analyzed: 11/04/15						
Biochemical Oxygen Demand	154	50	mg/L	198		77.8	85-115		20	BS2
LCS Dup (U5J2916-BSD1)				Prepared: 10/30/15 Analyzed: 11/04/15						
Biochemical Oxygen Demand	173	50	mg/L	198		87.6	85-115	11.9	20	
Duplicate (U5J2916-DUP1)		**Source: BJ29019-04**		Prepared: 10/30/15 Analyzed: 11/04/15						
Biochemical Oxygen Demand	1610	300	mg/L		1740			7.51	20	
Duplicate (U5J2916-DUP2)		**Source: BJ30007-01**		Prepared: 10/30/15 Analyzed: 11/04/15						
Biochemical Oxygen Demand	180	100	mg/L		193			6.97	20	
Batch U5J3016 - EPA 300.0										
Blank (U5J3016-BLK1)				Prepared & Analyzed: 10/30/15						
Chloride	ND	2.0	mg/L							
Nitrite as N	ND	0.30	mg/L							
Nitrate as NO3	0.0252	2.0	mg/L							J
LCS (U5J3016-BS1)				Prepared & Analyzed: 10/30/15						
Chloride	51.7	2.0	mg/L	50.0		103	90-110		20	
Nitrite as N	5.10	0.30	mg/L	5.00		102	90-110		20	
Nitrate as NO3	51.2	2.0	mg/L	50.0		102	90-110		20	
LCS Dup (U5J3016-BSD1)				Prepared & Analyzed: 10/30/15						
Chloride	53.0	2.0	mg/L	50.0		106	90-110	2.41	20	
Nitrite as N	5.19	0.30	mg/L	5.00		104	90-110	1.89	20	
Nitrate as NO3	52.0	2.0	mg/L	50.0		104	90-110	1.64	20	
Matrix Spike (U5J3016-MS1)		**Source: BJ30002-01**		Prepared & Analyzed: 10/30/15						
Nitrite as N	30.7	1.8	mg/L	30.0	ND	102	80-120		20	
Chloride	389	12	mg/L	300	86.5	101	48-147		15	
Nitrate as NO3	517	12	mg/L	300	215	101	70-130		20	
Matrix Spike (U5J3016-MS2)		**Source: BJ30027-02**		Prepared: 10/30/15 Analyzed: 10/31/15						
Nitrite as N	10.0	0.60	mg/L	10.0	ND	100	80-120		20	
Chloride	99.4	4.0	mg/L	100	0.401	99.0	48-147		15	
Nitrate as NO3	100	4.0	mg/L	100	0.803	99.3	70-130		20	
Matrix Spike Dup (U5J3016-MSD1)		**Source: BJ30002-01**		Prepared & Analyzed: 10/30/15						

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California ELAP Certificate #1371

Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Local Limits Testing	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/10/2015

Inorganics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J3016 - EPA 300.0										
Matrix Spike Dup (U5J3016-MSD1)		**Source: BJ30002-01**		Prepared & Analyzed: 10/30/15						
Chloride	397	12	mg/L	300	86.5	104	48-147	1.96	15	
Nitrite as N	31.2	1.8	mg/L	30.0	ND	104	80-120	1.51	20	
Nitrate as NO3	527	12	mg/L	300	215	104	70-130	1.90	20	
Matrix Spike Dup (U5J3016-MSD2)		**Source: BJ30027-02**		Prepared: 10/30/15 Analyzed: 10/31/15						
Chloride	98.4	4.0	mg/L	100	0.401	98.0	48-147	1.03	15	
Nitrite as N	9.93	0.60	mg/L	10.0	ND	99.3	80-120	0.776	20	
Nitrate as NO3	99.2	4.0	mg/L	100	0.803	98.4	70-130	0.820	20	
Batch U5J3101 - SM5540C										
Blank (U5J3101-BLK1)				Prepared & Analyzed: 10/31/15						
Methylene Blue Active Substances	ND	0.050	mg/L							
LCS (U5J3101-BS1)				Prepared & Analyzed: 10/31/15						
Methylene Blue Active Substances	0.962	0.050	mg/L	1.00		96.2	80-120		20	
LCS Dup (U5J3101-BSD1)				Prepared & Analyzed: 10/31/15						
Methylene Blue Active Substances	1.04	0.050	mg/L	1.00		104	80-120	7.50	20	
Matrix Spike (U5J3101-MS1)		**Source: BJ30024-01**		Prepared & Analyzed: 10/31/15						
Methylene Blue Active Substances	ND	5.0	mg/L	1.00	ND		80-120		20	MS1
Matrix Spike Dup (U5J3101-MSD1)		**Source: BJ30024-01**		Prepared & Analyzed: 10/31/15						
Methylene Blue Active Substances	ND	5.0	mg/L	1.00	ND		80-120		20	MS1
Batch U5K0302 - SM 2540D										
Blank (U5K0302-BLK1)				Prepared: 11/03/15 Analyzed: 11/04/15						
Total Suspended Solids	ND	4.0	mg/L							
Duplicate (U5K0302-DUP1)		**Source: BJ29027-04**		Prepared: 11/03/15 Analyzed: 11/04/15						
Total Suspended Solids	520	100	mg/L		580			9.95	20	
Duplicate (U5K0302-DUP2)		**Source: BJ29027-05**		Prepared: 11/03/15 Analyzed: 11/04/15						
Total Suspended Solids	460	200	mg/L		480			4.26	20	
Batch U5K0323 - SM2510B										
Blank (U5K0323-BLK1)				Prepared & Analyzed: 11/03/15						
Specific Conductance (EC)	ND	1.0	µS/cm							
LCS (U5K0323-BS1)				Prepared & Analyzed: 11/03/15						

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3580 S. Frank	Project Number: Local Limits Testing	Reported:
Fresno CA, 93725	Project Manager: Jim Anderson	12/10/2015

Inorganics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5K0323 - SM2510B										
LCS (U5K0323-BS1)				Prepared & Analyzed: 11/03/15						
Specific Conductance (EC)	527	1.0	µS/cm	500		105	80-120		20	
LCS Dup (U5K0323-BSD1)				Prepared & Analyzed: 11/03/15						
Specific Conductance (EC)	524	1.0	µS/cm	500		105	80-120	0.579	20	
Duplicate (U5K0323-DUP1)		**Source: BJ28028-01**		Prepared & Analyzed: 11/03/15						
Specific Conductance (EC)	860	1.0	µS/cm		868			0.940	20	
Duplicate (U5K0323-DUP2)		**Source: BK03027-01**		Prepared & Analyzed: 11/03/15						
Specific Conductance (EC)	1470	1.0	µS/cm		1480			0.385	20	
Batch U5K0410 - SM 2540C										
Blank (U5K0410-BLK1)				Prepared: 11/04/15 Analyzed: 11/05/15						
Total Dissolved Solids	ND	10	mg/L							
LCS (U5K0410-BS1)				Prepared: 11/04/15 Analyzed: 11/05/15						
Total Dissolved Solids	240	10	mg/L	240		100	80-120		20	
LCS Dup (U5K0410-BSD1)				Prepared: 11/04/15 Analyzed: 11/05/15						
Total Dissolved Solids	240	10	mg/L	240		100	80-120	0.00	20	
Duplicate (U5K0410-DUP1)		**Source: BK03036-01**		Prepared: 11/04/15 Analyzed: 11/05/15						
Total Dissolved Solids	9570	200	mg/L		9160			4.38	20	
Duplicate (U5K0410-DUP2)		**Source: BK03040-01**		Prepared: 11/04/15 Analyzed: 11/05/15						
Total Dissolved Solids	20400	200	mg/L		23100			12.4	20	
Batch U5K0504 - EPA 350.1										
Blank (U5K0504-BLK1)				Prepared & Analyzed: 11/05/15						
Ammonia as N	ND	1.0	mg/L							
LCS (U5K0504-BS1)				Prepared & Analyzed: 11/05/15						
Ammonia as N	22.2	1.0	mg/L	22.5		98.8	80-120		20	
LCS Dup (U5K0504-BSD1)				Prepared & Analyzed: 11/05/15						
Ammonia as N	21.2	1.0	mg/L	22.5		94.1	80-120	4.88	20	
Matrix Spike (U5K0504-MS1)		**Source: BJ29025-03**		Prepared & Analyzed: 11/05/15						
Ammonia as N	44.6	1.0	mg/L	22.5	22.8	97.0	80-120		20	
Matrix Spike (U5K0504-MS2)		**Source: BK03011-03**		Prepared & Analyzed: 11/05/15						
Ammonia as N	21.1	1.0	mg/L	22.5	ND	93.6	80-120		20	

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3580 S. Frank	Project Number: Local Limits Testing	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/10/2015

Inorganics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5K0504 - EPA 350.1										
Matrix Spike Dup (U5K0504-MSD1)		**Source: BJ29025-03**		Prepared & Analyzed: 11/05/15						
Ammonia as N	43.0	1.0	mg/L	22.5	22.8	89.9	80-120	3.65	20	
Matrix Spike Dup (U5K0504-MSD2)		**Source: BK03011-03**		Prepared & Analyzed: 11/05/15						
Ammonia as N	21.7	1.0	mg/L	22.5	ND	96.3	80-120	2.81	20	
Batch U5K0624 - SM4500CN-E										
Blank (U5K0624-BLK1)				Prepared & Analyzed: 11/09/15						
Cyanide (total)	ND	5.0	µg/L							
LCS (U5K0624-BS1)				Prepared & Analyzed: 11/09/15						
Cyanide (total)	48.3	5.0	µg/L	50.0		96.6	80-120		20	
LCS Dup (U5K0624-BSD1)				Prepared & Analyzed: 11/09/15						
Cyanide (total)	47.8	5.0	µg/L	50.0		95.6	80-120	1.04	20	
Matrix Spike (U5K0624-MS1)		**Source: BK03008-01**		Prepared & Analyzed: 11/09/15						
Cyanide (total)	49.1	5.0	µg/L	50.0	ND	98.2	80-120		20	
Matrix Spike Dup (U5K0624-MSD1)		**Source: BK03008-01**		Prepared & Analyzed: 11/09/15						
Cyanide (total)	47.8	5.0	µg/L	50.0	ND	95.6	80-120	2.68	20	

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3580 S. Frank	Project Number: Local Limits Testing	Reported:
Fresno CA, 93725	Project Manager: Jim Anderson	12/10/2015

Metals - Totals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J2914 - EPA 200.7										
Blank (U5J2914-BLK1)				Prepared: 11/02/15 Analyzed: 11/09/15						
Silver	ND	0.0050	mg/L							
Selenium	ND	0.020	mg/L							
Lead	ND	0.0050	mg/L							
Iron	ND	0.10	mg/L							
Boron	0.00873	0.050	mg/L							J
Aluminum	0.00870	0.050	mg/L							J
Barium	ND	0.010	mg/L							
Arsenic	ND	0.010	mg/L							
Cadmium	ND	0.0010	mg/L							
Molybdenum	ND	0.0050	mg/L							
Chromium	ND	0.0050	mg/L							
Copper	ND	0.0050	mg/L							
Nickel	ND	0.0050	mg/L							
Zinc	0.000961	0.0050	mg/L							J
LCS (U5J2914-BS1)				Prepared: 11/02/15 Analyzed: 11/09/15						
Zinc	0.103	0.0050	mg/L	0.100		103	85-115		20	
Arsenic	0.187	0.010	mg/L	0.200		93.5	85-115		20	
Barium	0.207	0.010	mg/L	0.200		104	85-115		20	
Nickel	0.106	0.0050	mg/L	0.100		106	85-115		20	
Silver	0.109	0.0050	mg/L	0.100		109	85-115		20	
Selenium	0.405	0.020	mg/L	0.400		101	85-115		20	
Molybdenum	0.0985	0.0050	mg/L	0.100		98.5	85-115		20	
Iron	2.05	0.10	mg/L	2.00		103	85-115		20	
Copper	0.0983	0.0050	mg/L	0.100		98.3	85-115		20	
Lead	0.103	0.0050	mg/L	0.100		103	85-115		20	
Chromium	0.103	0.0050	mg/L	0.100		103	85-115		20	
Boron	0.972	0.050	mg/L	1.00		97.2	85-115		20	
Aluminum	1.01	0.050	mg/L	1.00		101	85-115		20	
Cadmium	0.0204	0.0010	mg/L	0.0200		102	85-115		20	
LCS Dup (U5J2914-BSD1)				Prepared: 11/02/15 Analyzed: 11/09/15						
Zinc	0.102	0.0050	mg/L	0.100		102	85-115	0.532	20	
Selenium	0.401	0.020	mg/L	0.400		100	85-115	0.846	20	
Chromium	0.103	0.0050	mg/L	0.100		103	85-115	0.605	20	
Silver	0.109	0.0050	mg/L	0.100		109	85-115	0.342	20	

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3580 S. Frank	Project Number: Local Limits Testing	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/10/2015

Metals - Totals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J2914 - EPA 200.7										
LCS Dup (U5J2914-BSD1)				Prepared: 11/02/15 Analyzed: 11/09/15						
Boron	0.972	0.050	mg/L	1.00		97.2	85-115	0.0270	20	
Arsenic	0.195	0.010	mg/L	0.200		97.5	85-115	4.26	20	
Iron	2.04	0.10	mg/L	2.00		102	85-115	0.637	20	
Copper	0.0994	0.0050	mg/L	0.100		99.4	85-115	1.12	20	
Aluminum	0.998	0.050	mg/L	1.00		99.8	85-115	1.72	20	
Nickel	0.106	0.0050	mg/L	0.100		106	85-115	0.421	20	
Molybdenum	0.0981	0.0050	mg/L	0.100		98.1	85-115	0.367	20	
Lead	0.103	0.0050	mg/L	0.100		103	85-115	0.681	20	
Cadmium	0.0204	0.0010	mg/L	0.0200		102	85-115	0.0789	20	
Barium	0.208	0.010	mg/L	0.200		104	85-115	0.151	20	
Matrix Spike (U5J2914-MS1)		**Source: BJ27053-01**		Prepared: 11/02/15 Analyzed: 11/09/15						
Molybdenum	0.202	0.010	mg/L	0.200	0.00466	98.6	70-130		20	
Boron	2.09	0.10	mg/L	2.00	0.0550	102	70-130		20	
Chromium	0.207	0.010	mg/L	0.200	0.00298	102	70-130		20	
Silver	0.208	0.010	mg/L	0.200	ND	104	70-130		20	
Selenium	0.802	0.040	mg/L	0.800	ND	100	70-130		20	
Aluminum	2.07	0.10	mg/L	2.00	0.0178	103	70-130		20	
Barium	0.570	0.020	mg/L	0.400	0.151	105	70-130		20	
Cadmium	0.0400	0.0020	mg/L	0.0400	ND	100	70-130		20	
Copper	0.195	0.010	mg/L	0.200	ND	97.3	70-130		20	
Lead	0.200	0.010	mg/L	0.200	ND	100	70-130		20	
Iron	4.15	0.20	mg/L	4.00	ND	104	70-130		20	
Arsenic	0.412	0.020	mg/L	0.400	ND	103	70-130		20	
Nickel	0.203	0.010	mg/L	0.200	ND	102	70-130		20	
Zinc	0.205	0.010	mg/L	0.200	0.00742	98.7	70-130		20	
Matrix Spike (U5J2914-MS2)		**Source: BJ28066-01**		Prepared: 11/02/15 Analyzed: 11/09/15						
Copper	0.189	0.010	mg/L	0.200	ND	94.4	70-130		20	
Lead	0.198	0.010	mg/L	0.200	ND	99.2	70-130		20	
Selenium	0.782	0.040	mg/L	0.800	0.00595	97.1	70-130		20	
Cadmium	0.0403	0.0020	mg/L	0.0400	ND	101	70-130		20	
Iron	4.04	0.20	mg/L	4.00	ND	101	70-130		20	
Boron	2.03	0.10	mg/L	2.00	0.0245	100	70-130		20	
Barium	0.425	0.020	mg/L	0.400	0.00883	104	70-130		20	
Chromium	0.200	0.010	mg/L	0.200	ND	99.9	70-130		20	

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3580 S. Frank	Project Number: Local Limits Testing	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/10/2015

Metals - Totals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J2914 - EPA 200.7										
Matrix Spike (U5J2914-MS2)		**Source: BJ28066-01**		Prepared: 11/02/15 Analyzed: 11/09/15						
Molybdenum	0.216	0.010	mg/L	0.200	0.0181	99.1	70-130		20	
Nickel	0.202	0.010	mg/L	0.200	ND	101	70-130		20	
Zinc	0.221	0.010	mg/L	0.200	0.0230	98.9	70-130		20	
Silver	0.206	0.010	mg/L	0.200	ND	103	70-130		20	
Aluminum	1.99	0.10	mg/L	2.00	0.0173	98.9	70-130		20	
Arsenic	0.407	0.020	mg/L	0.400	0.00466	102	70-130		20	
Matrix Spike Dup (U5J2914-MSD1)		**Source: BJ27053-01**		Prepared: 11/02/15 Analyzed: 11/09/15						
Zinc	0.206	0.010	mg/L	0.200	0.00742	99.4	70-130	0.651	20	
Arsenic	0.384	0.020	mg/L	0.400	ND	96.0	70-130	7.12	20	
Nickel	0.205	0.010	mg/L	0.200	ND	103	70-130	1.08	20	
Molybdenum	0.203	0.010	mg/L	0.200	0.00466	99.0	70-130	0.449	20	
Lead	0.202	0.010	mg/L	0.200	ND	101	70-130	1.01	20	
Iron	4.12	0.20	mg/L	4.00	ND	103	70-130	0.556	20	
Aluminum	2.06	0.10	mg/L	2.00	0.0178	102	70-130	0.631	20	
Barium	0.566	0.020	mg/L	0.400	0.151	104	70-130	0.679	20	
Selenium	0.798	0.040	mg/L	0.800	ND	99.8	70-130	0.408	20	
Cadmium	0.0407	0.0020	mg/L	0.0400	ND	102	70-130	1.74	20	
Copper	0.196	0.010	mg/L	0.200	ND	98.1	70-130	0.831	20	
Boron	2.09	0.10	mg/L	2.00	0.0550	102	70-130	0.291	20	
Chromium	0.209	0.010	mg/L	0.200	0.00298	103	70-130	0.909	20	
Silver	0.211	0.010	mg/L	0.200	ND	106	70-130	1.51	20	
Matrix Spike Dup (U5J2914-MSD2)		**Source: BJ28066-01**		Prepared: 11/02/15 Analyzed: 11/09/15						
Cadmium	0.0404	0.0020	mg/L	0.0400	ND	101	70-130	0.264	20	
Aluminum	2.01	0.10	mg/L	2.00	0.0173	99.9	70-130	1.02	20	
Nickel	0.201	0.010	mg/L	0.200	ND	100	70-130	0.438	20	
Boron	2.05	0.10	mg/L	2.00	0.0245	101	70-130	1.04	20	
Lead	0.197	0.010	mg/L	0.200	ND	98.5	70-130	0.722	20	
Chromium	0.201	0.010	mg/L	0.200	ND	101	70-130	0.839	20	
Arsenic	0.412	0.020	mg/L	0.400	0.00466	103	70-130	1.25	20	
Silver	0.206	0.010	mg/L	0.200	ND	103	70-130	0.0762	20	
Iron	4.06	0.20	mg/L	4.00	ND	101	70-130	0.503	20	
Selenium	0.783	0.040	mg/L	0.800	0.00595	97.2	70-130	0.104	20	
Barium	0.423	0.020	mg/L	0.400	0.00883	103	70-130	0.624	20	
Zinc	0.219	0.010	mg/L	0.200	0.0230	97.8	70-130	1.01	20	

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3580 S. Frank	Project Number: Local Limits Testing	**Reported:**
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Metals - Totals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5J2914 - EPA 200.7										
Matrix Spike Dup (U5J2914-MSD2)		**Source: BJ28066-01**		Prepared: 11/02/15 Analyzed: 11/09/15						
Molybdenum	0.217	0.010	mg/L	0.200	0.0181	99.5	70-130	0.359	20	
Copper	0.189	0.010	mg/L	0.200	ND	94.6	70-130	0.216	20	
Batch U5K0317 - EPA 245.2										
Blank (U5K0317-BLK1)				Prepared & Analyzed: 11/04/15						
Mercury	ND	0.20	µg/L							
LCS (U5K0317-BS1)				Prepared & Analyzed: 11/04/15						
Mercury	5.26	0.20	µg/L	5.00		105	80-120		20	
LCS Dup (U5K0317-BSD1)				Prepared & Analyzed: 11/04/15						
Mercury	5.38	0.20	µg/L	5.00		108	80-120	2.17	20	
Matrix Spike (U5K0317-MS1)		**Source: BJ30024-01**		Prepared & Analyzed: 11/04/15						
Mercury	164	6.0	µg/L	150	ND	109	70-130		20	
Matrix Spike Dup (U5K0317-MSD1)		**Source: BJ30024-01**		Prepared & Analyzed: 11/04/15						
Mercury	164	6.0	µg/L	150	ND	110	70-130	0.118	20	

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Local Limits Testing	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/10/2015

Semi-Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5K0203 - EPA 625										
Blank (U5K0203-BLK1)				Prepared: 11/02/15 Analyzed: 11/03/15						
Surrogate: 2-Fluorophenol	*38.7*		*µg/L*	*100*		*38.7*	*22-92*			
Surrogate: Phenol-d5	*25.8*		*µg/L*	*100*		*25.8*	*10-94*			
Surrogate: 2,4,6-Tribromophenol	*57.5*		*µg/L*	*100*		*57.5*	*49-138*			
Phenol	ND	5.0	µg/L							
2-Chlorophenol	ND	5.0	µg/L							
2-Methylphenol	ND	5.0	µg/L							
3-Methylphenol	ND	5.0	µg/L							
4-Methylphenol	ND	5.0	µg/L							
2-Nitrophenol	ND	5.0	µg/L							
2,4-Dimethylphenol	ND	5.0	µg/L							
2,4-Dichlorophenol	ND	5.0	µg/L							
2,6-Dichlorophenol	ND	5.0	µg/L							
4-Chloro-3-methylphenol	ND	5.0	µg/L							
2,4,5-Trichlorophenol	ND	5.0	µg/L							
2,4,6-Trichlorophenol	ND	5.0	µg/L							
2,4-Dinitrophenol	ND	5.0	µg/L							
4-Nitrophenol	ND	5.0	µg/L							
2,3,4,6-Tetrachlorophenol	ND	5.0	µg/L							
4,6-Dinitro-2-methylphenol	ND	5.0	µg/L							
Pentachlorophenol	ND	5.0	µg/L							
LCS (U5K0203-BS1)				Prepared: 11/02/15 Analyzed: 11/03/15						
Surrogate: 2-Fluorophenol	*42.9*		*µg/L*	*100*		*42.9*	*22-92*			
Surrogate: Phenol-d5	*28.9*		*µg/L*	*100*		*28.9*	*10-94*			
Surrogate: 2,4,6-Tribromophenol	*63.8*		*µg/L*	*100*		*63.8*	*49-138*			
Phenol	15.0	5.0	µg/L	50.0		30.0	5-112		20	
2-Chlorophenol	33.1	5.0	µg/L	50.0		66.2	23-134		20	
4-Chloro-3-methylphenol	34.7	5.0	µg/L	50.0		69.3	22-147		20	
LCS Dup (U5K0203-BSD1)				Prepared: 11/02/15 Analyzed: 11/03/15						
Surrogate: 2-Fluorophenol	*40.3*		*µg/L*	*100*		*40.3*	*22-92*			
Surrogate: Phenol-d5	*27.0*		*µg/L*	*100*		*27.0*	*10-94*			
Surrogate: 2,4,6-Tribromophenol	*60.7*		*µg/L*	*100*		*60.7*	*49-138*			
Phenol	14.1	5.0	µg/L	50.0		28.2	5-112	6.16	20	
2-Chlorophenol	31.6	5.0	µg/L	50.0		63.2	23-134	4.59	20	

MOORE TWINING ASSOCIATES, INC.

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
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California ELAP Certificate #1371

Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Local Limits Testing	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/10/2015

Semi-Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5K0203 - EPA 625										
LCS Dup (U5K0203-BSD1)				Prepared: 11/02/15 Analyzed: 11/03/15						
4-Chloro-3-methylphenol	33.7	5.0	µg/L	50.0		67.4	22-147	2.75	20	
Batch U5K1105 - EPA 1664A										
Blank (U5K1105-BLK1)				Prepared: 11/11/15 Analyzed: 11/12/15						
Total Oil & Grease (HEM)	0.300	1.0	mg/L							J
LCS (U5K1105-BS1)				Prepared: 11/11/15 Analyzed: 11/12/15						
Total Oil & Grease (HEM)	37.7	1.0	mg/L	40.0		94.2	78-114		20	
LCS Dup (U5K1105-BSD1)				Prepared: 11/11/15 Analyzed: 11/12/15						
Total Oil & Grease (HEM)	39.7	1.0	mg/L	40.0		99.2	78-114	5.17	20	

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Local Limits Testing	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/10/2015

Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5K0514 - EPA 624										
Blank (U5K0514-BLK1)				Prepared & Analyzed: 11/05/15						
Surrogate: 4-Bromofluorobenzene	*24.6*		*µg/L*	*25.0*		*98.3*	*70-130*			
Surrogate: Dibromofluoromethane	*25.4*		*µg/L*	*25.0*		*102*	*70-130*			
Surrogate: Toluene-d8	*24.9*		*µg/L*	*25.0*		*99.7*	*70-130*			
Chloromethane	ND	0.50	µg/L							
Vinyl chloride	ND	0.50	µg/L							
Bromomethane	ND	1.0	µg/L							
Chloroethane	ND	0.50	µg/L							
Trichlorofluoromethane (CFC-11)	ND	0.50	µg/L							
Trichlorotrifluoroethane (CFC-113)	ND	1.0	µg/L							
1,1-Dichloroethene	ND	0.50	µg/L							
Acrolein	ND	10	µg/L							
Methylene chloride	ND	1.0	µg/L							
trans-1,2-Dichloroethene	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
Acrylonitrile	ND	5.0	µg/L							
cis-1,2-Dichloroethene	ND	0.50	µg/L							
Chloroform	ND	0.50	µg/L							
Carbon tetrachloride	ND	0.50	µg/L							
1,1,1-Trichloroethane (TCA)	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
Benzene	ND	0.50	µg/L							
1,2-Dichloroethane (1,2-DCA)	ND	0.50	µg/L							
Trichloroethene (TCE)	ND	0.50	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
2-Chloroethylvinyl ether	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
Toluene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Tetrachloroethene (PCE)	ND	0.50	µg/L							
1,1,2-Trichloroethane	ND	0.50	µg/L							
Dibromochloromethane	ND	0.50	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Local Limits Testing	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/10/2015

Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5K0514 - EPA 624										
Blank (U5K0514-BLK1)				Prepared & Analyzed: 11/05/15						
Ethylbenzene	ND	0.50	µg/L							
Chlorobenzene	ND	0.50	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
m,p-Xylene	ND	1.0	µg/L							
o-Xylene	ND	0.50	µg/L							
Styrene	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	1.0	µg/L							
1,2,3-Trichloropropane (123TCP)	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	1.0	µg/L							
Naphthalene	ND	0.50	µg/L							
Xylenes	ND	2.0	µg/L							
LCS (U5K0514-BS1)				Prepared & Analyzed: 11/05/15						
Surrogate: 4-Bromofluorobenzene	*24.4*		*µg/L*	*25.0*		*97.4*	*70-130*			
Surrogate: Dibromofluoromethane	*24.9*		*µg/L*	*25.0*		*99.7*	*70-130*			
Surrogate: Toluene-d8	*25.2*		*µg/L*	*25.0*		*101*	*70-130*			
1,1-Dichloroethene	20.1	0.50	µg/L	19.8		102	70-130		20	
Benzene	19.0	0.50	µg/L	20.0		95.2	70-130		20	
Trichloroethene (TCE)	18.6	0.50	µg/L	20.0		93.2	70-130		20	
Toluene	19.3	0.50	µg/L	19.9		97.1	70-130		20	
Chlorobenzene	18.7	0.50	µg/L	20.0		93.7	70-130		20	
LCS Dup (U5K0514-BSD1)				Prepared & Analyzed: 11/05/15						
Surrogate: 4-Bromofluorobenzene	*24.4*		*µg/L*	*25.0*		*97.4*	*70-130*			
Surrogate: Dibromofluoromethane	*25.4*		*µg/L*	*25.0*		*102*	*70-130*			
Surrogate: Toluene-d8	*25.2*		*µg/L*	*25.0*		*101*	*70-130*			
1,1-Dichloroethene	18.2	0.50	µg/L	19.8		91.9	70-130	10.1	20	
Benzene	18.0	0.50	µg/L	20.0		90.0	70-130	5.67	20	
Trichloroethene (TCE)	17.3	0.50	µg/L	20.0		86.6	70-130	7.29	20	
Toluene	18.1	0.50	µg/L	19.9		91.1	70-130	6.41	20	
Chlorobenzene	17.9	0.50	µg/L	20.0		89.5	70-130	4.59	20	

Date of Report: 12/01/2015

Julio Morales

Moore-Twining Associates
2527 Fresno Street
Fresno, CA 93720

Client Project:	BJ30024
BCL Project:	Water Samples
BCL Work Order:	1529797
Invoice ID:	B220231

Enclosed are the results of analyses for samples received by the laboratory on 11/19/2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Misty Orton
Client Service Rep

Authorized Signature

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Water Analysis (General Chemistry)
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MOORE TWINING ASSOCIATES, INC. **SUBCONTRACT ORDER - Purchase Order #** 24680

California ELAP Certification # 1371 15-29797 **MTA Project #BJ30024**

Please reference these numbers on all reports and invoices:
We also request QC data be provided with final report.

SENDING LABORATORY:

Moore Twining Associates, Inc.
2527 Fresno Street
Fresno, CA 93721
Phone: (559) 268-7021
Fax: (559) 268-0740
Project Manager: Julio Morales

RECEIVING LABORATORY:

BC Laboratories, Inc.
4100 Atlas Court
Bakersfield, CA 93308
Phone :(800) 878-4911
Fax: (661) 327-1918

Sample Comments

Client Sample ID#: Imp103015TPC

MTA Sample ID: BJ30024-01 Matrix: Water **Sampled: 10/30/15 14:40**

Requested Analysis: Phosphorus, Total (TKP) Holding time expires: 11/27/15 14:40

Containers Supplied:

CHK BY DISTRIBUTION
SUB-OUT

Released By	Date	Received By	Date
	NOV 18 2015		11/19/15 # 16:17
	11/19/15 2230		11.19.15 2230

Please fax copy of receipt with your assigned sample ID number to (559) 268-0740 Page 1 of 1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
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Chain of Custody and Cooler Receipt Form for 1529797 Page 2 of 2

BC LABORATORIES INC. COOLER RECEIPT FORM Page 1 Of 1

Submission #: 15-29797

SHIPPING INFORMATION
Fed Ex ☐ UPS ☐ Ontrac ☐ Hand Delivery ☐
BC Lab Field Service ☒ Other ☐ (Specify)_____

SHIPPING CONTAINER
Ice Chest ☒ None ☐ Box ☐
Other ☐ (Specify)_____

FREE LIQUID
YES ☐ NO ☐

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☒ Comments:

All samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

COC Received ☒ YES ☐ NO

Emissivity: 0.97 Container: PE Thermometer ID: 208 Date/Time 11/19/15 2248
Temperature: (A) 1.2 °C / (C) 1.1 °C Analyst Init KJB

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr^{+6}										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS 8oz	A									
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548										
QT EPA 549										
QT EPA 8015M										
QT EPA 8270										
8oz / 16oz / 32oz AMBER										
8oz / 16oz / 32oz JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER										

Comments:
Sample Numbering Completed By: _____ Date/Time: 11/20/15 0845 Rev 20 07/24/2015
A = Actual / C = Corrected [S:\WPDoc\WordPerfect\LAB_DOCS\FORMS\SAMREC rev 20]

Moore-Twining Associates 2527 Fresno Street Fresno, CA 93720	**Reported:** 12/01/2015 15:01 Project: Water Samples Project Number: BJ30024 Project Manager: Julio Morales

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1529797-01	**COC Number:**	---	**Receive Date:**	11/19/2015 22:30
	Project Number:	---	**Sampling Date:**	10/30/2015 14:40
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	Imp103015TPC BJ30024-01	**Lab Matrix:**	Water
	Sampled By:	---	**Sample Type:**	Water

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Moore-Twining Associates
2527 Fresno Street
Fresno, CA 93720

Reported: 12/01/2015 15:01
Project: Water Samples
Project Number: BJ30024
Project Manager: Julio Morales

Water Analysis (General Chemistry)

BCL Sample ID: 1529797-01 | **Client Sample Name:** Imp103015TPC BJ30024-01, 10/30/2015 2:40:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Total Phosphorus	**81**	**mg/L**	**2.5**	**0.60**	**EPA-365.4**	ND	**A07,S05**	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-365.4	11/25/15	11/30/15 09:03	JMH	SC-1	50	BYK2325

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Moore-Twining Associates
2527 Fresno Street
Fresno, CA 93720

Reported: 12/01/2015 15:01
Project: Water Samples
Project Number: BJ30024
Project Manager: Julio Morales

Water Analysis (General Chemistry)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BYK2325						
Total Phosphorus	BYK2325-BLK1	ND	mg/L	0.050	0.012	

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Moore-Twining Associates
2527 Fresno Street
Fresno, CA 93720

Reported: 12/01/2015 15:01
Project: Water Samples
Project Number: BJ30024
Project Manager: Julio Morales

Water Analysis (General Chemistry)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BYK2325										
Total Phosphorus	BYK2325-BS1	LCS	0.99790	1.0000	mg/L	99.8		85 - 115		

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Moore-Twining Associates
2527 Fresno Street
Fresno, CA 93720

Reported: 12/01/2015 15:01
Project: Water Samples
Project Number: BJ30024
Project Manager: Julio Morales

Water Analysis (General Chemistry)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BYK2325	Used client sample: N										
Total Phosphorus	DUP	1529725-02	ND	ND		mg/L			20		
	MS	1529725-02	ND	0.99920	1.0000	mg/L		99.9		80 - 120	
	MSD	1529725-02	ND	1.0013	1.0000	mg/L	0.2	100	20	80 - 120	

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Moore-Twining Associates 2527 Fresno Street Fresno, CA 93720	**Reported:** 12/01/2015 15:01 Project: Water Samples Project Number: BJ30024 Project Manager: Julio Morales

Notes And Definitions

MDL	Method Detection Limit
ND	Analyte Not Detected
PQL	Practical Quantitation Limit
A07	Detection and quantitation limits were raised due to sample dilution caused by high analyte concentration or matrix interference.
S05	The sample holding time was exceeded.

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MOORE TWINING ASSOCIATES, INC.

CHAIN OF CUSTODY/ANALYSIS REQUEST

2527 FRESNO STREET • FRESNO, CA 93721 • PHONE (559) 268-7021 • FAX: (559) 268-0740

ANALYTICAL CHEMISTRY DIVISION
CALIFORNIA ELAP CERTIFICATION # 1371

WORK ORDER #: BJ30024.
PAGE 1 OF 2

ATTENTION: Jim Anderson	ATTENTION:
NAME: Malaga County Water District	NAME:
ADDRESS: 3580 S. Frank	ADDRESS:
Fresno, CA 93725	
PHONE: (559) 485-7353	PHONE:
FAX: (559) 495-1070	FAX:

☐ STANDARD FORMAT
☐ EDT (STATE FORM)
☐ GEOTRACKER/COELT (LUFT)
☐ PDF ☐ EXCEL
☐ County DHS :
☐ Environmental Health
☐ OTHER.

SAMPLE INFORMATION

SAMPLED BY (PRINT): Thomas Siphongsay
SIGNATURE:
☐ PUBLIC SYSTEM ☑ ROUTINE
☐ PRIVATE WELL ☐ REPEAT
☐ OTHER ☐ REPLACEMENT
TURN AROUND TIME: ☐ RUSH, DUE ON:
☑ STANDARD

SAMPLE TYPES:

SOLID:
BS – BIOSOLID
CR – CERAMIC
SL – SOIL/SOLID

LIQUID:
DW – DRINKING WATER
GW – GROUND WATER
OL – OIL
SF – SURFACE WATER
ST – STORM WATER
WW – WASTE WATER

PROJECT INFORMATION

CONTRACT/P.O. NO.:
PROJECT: Local Limits Testing
PROJECT NUMBER: Imperial Truck Wash

NOTES ON RECEIVED CONDITION:
☐ CUSTODY SEAL(S) BROKEN ☐ SAMPLE(S) DAMAGED
☐ ON ICE ☐ AMBIENT TEMP. ☐ INCORRECT PRESERVATION

LAB USE

ANALYSIS REQUESTED

	CLIENT SAMPLE ID	DATE	TIME	TYPE	As, Al, Ba, B, Cd, Cu, Cr, Fe	Hg, Mo, Ni, Pb, Ag, Se, Zn	Ec, BOD, TSS	Ammonia, TKP	Cl, NO3-N, NO2-N, TDS, MBAS	EPA 624 Benzene	EPA 625 Phenols	EPA 1664 Oil and Grease	Cyanide		
1	Imp103015TPC	Start: 10/28/15 End: 10/29/15	Start: 14:40 End: 14:40	WW Co	X	X	X	X	X						
2	Imp103015G	10/29/15 10/30/15	14:40 14:40	WW Gr						X	X	X	X		

Comments:

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY
Thomas S.	Malaga	10/30	1544		MTA

FL-SC-0005-02

Sample Integrity

Page 2 of 2

Moore Twining Associates

WO# B130024

MTA Bottles: Yes or No

COC Info

Was temperature within range? Chemistry ≤6°C Micro <10°C Temp_____°C	Yes No N/A	Did all bottle labels agree with COC?	Yes No N/A
If samples were taken today, is there evidence that chilling has begun? Recvd ____C°	Yes No N/A	Was a sufficient amount of sample received?	Yes No N/A
Did all bottles arrive unbroken and intact?	Yes No N/A	Were correct containers and preservatives received for the tests requested?	Yes No N/A
Do samples have a hold time <72 hours?	Yes No N/A		

Were there bubbles in VOA vials? **(Volatiles Only)**	Yes No N/A
Was PM notified of discrepancies? PM: By/Time:	Yes No N/A

Bottles Received

125ml (A) 250ml (B) 1Liter (C) 40ml VOA (V)	1	2
Bacti $Na_2S_2O_3$		
None (P)	3-C	
Cr6 Buffer (P) Borate Carbonate Buffer		
HNO_3 (P)	1-A	
H_2SO_4 (P)	1-A	
NaOH (P)		1-A
NaOH+ZnAc (P)		
Dissolved Oxygen 300ml (P)		
None (AG)		2-C
None (CG) 500ml		
$Na_2S_2O_3$ 250ml (Brown P) 549		
$Na_2S_2O_3$ (AG)		
$Na_2S_2O_3$ (AG)		
Thio/K Citrate		
NH_4Cl (AG) 552		
HCl (AG)		1-C/3-V
None (CG) 500ml		
H_3PO_4 (AG)		
Other:		
Plastic Bag		
Low Level Hg/Metals Double Bag		
Client Own		
Glass Jar: 125/ 250/ 500		
Soil Tube: Brass/ Steel/ Plastic		
5 g Encore		

Comments

Filter or Split

	Container	Preservative	Date/Time/Initials
S P F			
S P F			
S P F			
S P F			
S P F			

Labeled by: YG @1845

Labels checked by: [illegible] @1600

FL-SC-0003-06

SIU Annual Sampling Results: SFPP LP (Kinder Morgan)

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

December 15, 2015

Work Order #: BK03004

Jim Anderson
Malaga County Water District
3580 S. Frank
Fresno, CA 93725

RE: Local Limits Testing

Enclosed are the analytical results for samples received by our laboratory on 11/03/15 . For your reference, these analyses have been assigned laboratory work order number BK03004 .

All analyses have been performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, Moore Twining Associates, Inc. (MTA) is not responsible for use of less than complete reports. Results apply only to samples analyzed.

If you have any questions, please feel free to contact us at the number listed above.

Sincerely,

Moore Twining Associates, Inc.

Julio Morales
Client Services Supervisor

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Kinder Morgan	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/15/2015

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
KM 11022015G	BK03004-01	Waste Water	11/02/15 15:05	11/03/15 10:05

MOORE TWINING ASSOCIATES, INC.

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Fresno, CA 93721
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California ELAP Certificate #1371

Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Kinder Morgan	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/15/2015

KM 11022015G

BK03004-01 (Waste Water) Sampled:11/02/15 15:05

Analyte	Flag	Result	Reporting Limit	MDL	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Method
Inorganics											
Ammonia as N		**91**	4.0	0.15	mg/L	4	U5K0504	MPA	11/5/15 8:39	11/5/15 15:02	EPA 350.1
Biochemical Oxygen Demand		**61**	10	10	mg/L	10	U5K0403	CMG	11/4/15 8:41	11/9/15 16:16	SM5210B
Chloride		**85**	8.0	0.074	mg/L	4	U5K0321	ETH	11/3/15 14:39	11/3/15 19:21	EPA 300.0
Cyanide (total)		**14**	5.0	2.8	µg/L	1	U5K0624	JTN	11/9/15 7:18	11/9/15 12:10	SM4500CN-E
Specific Conductance (EC)		**1900**	1.0	0.26	µS/cm	1	U5K0427	CMG	11/4/15 18:28	11/5/15 0:21	SM2510B
Methylene Blue Active Substances		**0.075**	0.050	0.031	mg/L	1	U5K0401	MPA	11/4/15 7:44	11/4/15 11:27	SM5540C
Nitrate as Nitrogen		**1.6**	1.8	0.016	mg/L	4	[CALC]	ETH	11/3/15 19:21	11/3/15 19:21	EPA 300.0
Nitrate as NO3	**J**	**7.0**	8.0	0.071	mg/L	4	U5K0321	ETH	11/3/15 14:39	11/3/15 19:21	EPA 300.0
Nitrite as N		ND	1.2	0.042	mg/L	4	U5K0321	ETH	11/3/15 14:39	11/3/15 19:21	EPA 300.0
Total Dissolved Solids		**1100**	20	16	mg/L	2	U5K0410	MVY	11/4/15 9:06	11/5/15 14:10	SM 2540C
Total Suspended Solids		**15**	5.0	0.29	mg/L	1.25	U5K0408	MMJ	11/4/15 9:05	11/5/15 9:10	SM 2540D
Metals - Totals											
Aluminum	**J**	**0.027**	0.050	0.0072	mg/L	1	U5K0324	DAR	11/5/15 12:15	11/11/15 22:51	EPA 200.7
Arsenic		**0.012**	0.010	0.0023	mg/L	1	U5K0324	DAR	11/5/15 12:15	11/11/15 22:51	EPA 200.7
Barium		**0.12**	0.010	0.00013	mg/L	1	U5K0324	DAR	11/5/15 12:15	11/11/15 22:51	EPA 200.7
Boron		**0.057**	0.050	0.00083	mg/L	1	U5K0324	DAR	11/5/15 12:15	11/11/15 22:51	EPA 200.7
Cadmium		ND	0.0010	0.00020	mg/L	1	U5K0324	DAR	11/5/15 12:15	11/11/15 22:51	EPA 200.7
Chromium		ND	0.0050	0.00091	mg/L	1	U5K0324	DAR	11/5/15 12:15	11/11/15 22:51	EPA 200.7
Copper	**J**	**0.0018**	0.0050	0.00095	mg/L	1	U5K0324	DAR	11/5/15 12:15	11/11/15 22:51	EPA 200.7
Iron		**0.35**	0.10	0.017	mg/L	1	U5K0324	DAR	11/5/15 12:15	11/11/15 22:51	EPA 200.7
Lead		ND	0.0050	0.0014	mg/L	1	U5K0324	DAR	11/5/15 12:15	11/11/15 22:51	EPA 200.7
Mercury		ND	0.20	0.035	µg/L	1	U5K0317	JTN	11/4/15 6:48	11/4/15 13:18	EPA 245.2
Molybdenum	**J**	**0.0042**	0.0050	0.00075	mg/L	1	U5K0324	DAR	11/5/15 12:15	11/11/15 22:51	EPA 200.7
Nickel		**0.034**	0.0050	0.00051	mg/L	1	U5K0324	DAR	11/5/15 12:15	11/11/15 22:51	EPA 200.7
Selenium		ND	0.020	0.0018	mg/L	1	U5K0324	DAR	11/5/15 12:15	11/11/15 22:51	EPA 200.7
Silver		ND	0.0050	0.0011	mg/L	1	U5K0324	DAR	11/5/15 12:15	11/11/15 22:51	EPA 200.7
Zinc		**0.079**	0.0050	0.00080	mg/L	1	U5K0324	DAR	11/5/15 12:15	11/11/15 22:51	EPA 200.7
Semi-Volatile Organics											
Phenol		ND	5.0	0.63	µg/L	1	U5K0901	FFP	11/9/15 7:09	11/13/15 0:57	EPA 625
2-Chlorophenol		ND	5.0	0.69	µg/L	1	U5K0901	FFP	11/9/15 7:09	11/13/15 0:57	EPA 625
2-Methylphenol		ND	5.0	0.93	µg/L	1	U5K0901	FFP	11/9/15 7:09	11/13/15 0:57	EPA 625
3-Methylphenol		ND	5.0	0.96	µg/L	1	U5K0901	FFP	11/9/15 7:09	11/13/15 0:57	EPA 625
4-Methylphenol		ND	5.0	1.1	µg/L	1	U5K0901	FFP	11/9/15 7:09	11/13/15 0:57	EPA 625

Moore Twining Associates, Inc.

Juliane Adams, Director of Analytical Chemistry

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Kinder Morgan	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/15/2015

KM 11022015G

BK03004-01 (Waste Water) Sampled:11/02/15 15:05

Analyte	Flag	Result	Reporting Limit	MDL	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Method
Semi-Volatile Organics											
2-Nitrophenol		ND	5.0	1.3	µg/L	1	U5K0901	FFP	11/9/15 7:09	11/13/15 0:57	EPA 625
2,4-Dimethylphenol		ND	5.0	1.2	µg/L	1	U5K0901	FFP	11/9/15 7:09	11/13/15 0:57	EPA 625
2,4-Dichlorophenol		ND	5.0	0.79	µg/L	1	U5K0901	FFP	11/9/15 7:09	11/13/15 0:57	EPA 625
2,6-Dichlorophenol		ND	5.0	0.59	µg/L	1	U5K0901	FFP	11/9/15 7:09	11/13/15 0:57	EPA 625
4-Chloro-3-methylphenol		ND	5.0	0.57	µg/L	1	U5K0901	FFP	11/9/15 7:09	11/13/15 0:57	EPA 625
2,4,5-Trichlorophenol		ND	5.0	2.3	µg/L	1	U5K0901	FFP	11/9/15 7:09	11/13/15 0:57	EPA 625
2,4,6-Trichlorophenol		ND	5.0	2.5	µg/L	1	U5K0901	FFP	11/9/15 7:09	11/13/15 0:57	EPA 625
2,4-Dinitrophenol		ND	5.0	1.9	µg/L	1	U5K0901	FFP	11/9/15 7:09	11/13/15 0:57	EPA 625
4-Nitrophenol		ND	5.0	1.6	µg/L	1	U5K0901	FFP	11/9/15 7:09	11/13/15 0:57	EPA 625
2,3,4,6-Tetrachlorophenol		ND	5.0	0.59	µg/L	1	U5K0901	FFP	11/9/15 7:09	11/13/15 0:57	EPA 625
4,6-Dinitro-2-methylphenol		ND	5.0	0.51	µg/L	1	U5K0901	FFP	11/9/15 7:09	11/13/15 0:57	EPA 625
Pentachlorophenol		ND	5.0	1.3	µg/L	1	U5K0901	FFP	11/9/15 7:09	11/13/15 0:57	EPA 625
Surrogate: 2-Fluorophenol		*32.7 %*	*22-92*				*U5K0901*		11/9/15 7:09	11/13/15 0:57	*EPA 625*
Surrogate: Phenol-d5		*23.8 %*	*10-94*				*U5K0901*		11/9/15 7:09	11/13/15 0:57	*EPA 625*
Surrogate: 2,4,6-Tribromophenol		*52.5 %*	*49-138*				*U5K0901*		11/9/15 7:09	11/13/15 0:57	*EPA 625*
Total Oil & Grease (HEM)		**1.1**	1.0	0.17	mg/L	1	U5K1604	BBA	11/16/15 9:00	11/17/15 16:00	EPA 1664A
Volatile Organics											
Chloromethane		ND	0.50	0.16	µg/L	1	U5K0514	GAB	11/5/15 11:52	11/5/15 16:40	EPA 624
Vinyl chloride		ND	0.50	0.16	µg/L	1	U5K0514	GAB	11/5/15 11:52	11/5/15 16:40	EPA 624
Bromomethane		ND	1.0	0.32	µg/L	1	U5K0514	GAB	11/5/15 11:52	11/5/15 16:40	EPA 624
Chloroethane		ND	0.50	0.16	µg/L	1	U5K0514	GAB	11/5/15 11:52	11/5/15 16:40	EPA 624
Trichlorofluoromethane (CFC-11)		ND	0.50	0.13	µg/L	1	U5K0514	GAB	11/5/15 11:52	11/5/15 16:40	EPA 624
Trichlorotrifluoroethane (CFC-113)		ND	1.0	0.11	µg/L	1	U5K0514	GAB	11/5/15 11:52	11/5/15 16:40	EPA 624
1,1-Dichloroethene		ND	0.50	0.14	µg/L	1	U5K0514	GAB	11/5/15 11:52	11/5/15 16:40	EPA 624
Acrolein		ND	10	1.5	µg/L	1	U5K0514	GAB	11/5/15 11:52	11/5/15 16:40	EPA 624
Methylene chloride		ND	1.0	0.20	µg/L	1	U5K0514	GAB	11/5/15 11:52	11/5/15 16:40	EPA 624
trans-1,2-Dichloroethene		ND	0.50	0.11	µg/L	1	U5K0514	GAB	11/5/15 11:52	11/5/15 16:40	EPA 624
Methyl tert-Butyl Ether (MTBE)		ND	1.0	0.36	µg/L	1	U5K0514	GAB	11/5/15 11:52	11/5/15 16:40	EPA 624
1,1-Dichloroethane		ND	0.50	0.12	µg/L	1	U5K0514	GAB	11/5/15 11:52	11/5/15 16:40	EPA 624
Acrylonitrile		ND	5.0	2.9	µg/L	1	U5K0514	GAB	11/5/15 11:52	11/5/15 16:40	EPA 624
cis-1,2-Dichloroethene		ND	0.50	0.15	µg/L	1	U5K0514	GAB	11/5/15 11:52	11/5/15 16:40	EPA 624
Chloroform		ND	0.50	0.14	µg/L	1	U5K0514	GAB	11/5/15 11:52	11/5/15 16:40	EPA 624
Carbon tetrachloride		ND	0.50	0.16	µg/L	1	U5K0514	GAB	11/5/15 11:52	11/5/15 16:40	EPA 624

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Kinder Morgan	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/15/2015

KM 11022015G

BK03004-01 (Waste Water) Sampled:11/02/15 15:05

Analyte	Flag	Result	Reporting Limit	MDL	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Method
Volatile Organics											
1,1,1-Trichloroethane (TCA)		ND	0.50	0.16	µg/L	1	U5K0514	GAB	11/5/15 11:52	11/5/15 16:40	EPA 624
1,1-Dichloropropene		ND	0.50	0.12	µg/L	1	U5K0514	GAB	11/5/15 11:52	11/5/15 16:40	EPA 624
Benzene		ND	0.50	0.10	µg/L	1	U5K0514	GAB	11/5/15 11:52	11/5/15 16:40	EPA 624
1,2-Dichloroethane (1,2-DCA)		ND	0.50	0.10	µg/L	1	U5K0514	GAB	11/5/15 11:52	11/5/15 16:40	EPA 624
Trichloroethene (TCE)		ND	0.50	0.17	µg/L	1	U5K0514	GAB	11/5/15 11:52	11/5/15 16:40	EPA 624
1,2-Dichloropropane		ND	0.50	0.10	µg/L	1	U5K0514	GAB	11/5/15 11:52	11/5/15 16:40	EPA 624
Bromodichloromethane		ND	0.50	0.13	µg/L	1	U5K0514	GAB	11/5/15 11:52	11/5/15 16:40	EPA 624
2-Chloroethylvinyl ether		ND	1.0	0.33	µg/L	1	U5K0514	GAB	11/5/15 11:52	11/5/15 16:40	EPA 624
cis-1,3-Dichloropropene		ND	0.50	0.11	µg/L	1	U5K0514	GAB	11/5/15 11:52	11/5/15 16:40	EPA 624
Toluene		ND	0.50	0.27	µg/L	1	U5K0514	GAB	11/5/15 11:52	11/5/15 16:40	EPA 624
trans-1,3-Dichloropropene		ND	0.50	0.14	µg/L	1	U5K0514	GAB	11/5/15 11:52	11/5/15 16:40	EPA 624
Tetrachloroethene (PCE)		ND	0.50	0.12	µg/L	1	U5K0514	GAB	11/5/15 11:52	11/5/15 16:40	EPA 624
1,1,2-Trichloroethane		ND	0.50	0.12	µg/L	1	U5K0514	GAB	11/5/15 11:52	11/5/15 16:40	EPA 624
Dibromochloromethane		ND	0.50	0.11	µg/L	1	U5K0514	GAB	11/5/15 11:52	11/5/15 16:40	EPA 624
1,2-Dibromoethane (EDB)		ND	0.50	0.22	µg/L	1	U5K0514	GAB	11/5/15 11:52	11/5/15 16:40	EPA 624
Ethylbenzene		ND	0.50	0.10	µg/L	1	U5K0514	GAB	11/5/15 11:52	11/5/15 16:40	EPA 624
Chlorobenzene		ND	0.50	0.10	µg/L	1	U5K0514	GAB	11/5/15 11:52	11/5/15 16:40	EPA 624
1,1,1,2-Tetrachloroethane		ND	0.50	0.12	µg/L	1	U5K0514	GAB	11/5/15 11:52	11/5/15 16:40	EPA 624
m,p-Xylene		ND	1.0	0.20	µg/L	1	U5K0514	GAB	11/5/15 11:52	11/5/15 16:40	EPA 624
o-Xylene		ND	0.50	0.10	µg/L	1	U5K0514	GAB	11/5/15 11:52	11/5/15 16:40	EPA 624
Styrene		ND	0.50	0.10	µg/L	1	U5K0514	GAB	11/5/15 11:52	11/5/15 16:40	EPA 624
Bromoform		ND	1.0	0.12	µg/L	1	U5K0514	GAB	11/5/15 11:52	11/5/15 16:40	EPA 624
1,1,2,2-Tetrachloroethane		ND	1.0	0.21	µg/L	1	U5K0514	GAB	11/5/15 11:52	11/5/15 16:40	EPA 624
1,2,3-Trichloropropane (123TCP)		ND	0.50	0.29	µg/L	1	U5K0514	GAB	11/5/15 11:52	11/5/15 16:40	EPA 624
1,3-Dichlorobenzene		ND	0.50	0.040	µg/L	1	U5K0514	GAB	11/5/15 11:52	11/5/15 16:40	EPA 624
1,4-Dichlorobenzene		ND	0.50	0.10	µg/L	1	U5K0514	GAB	11/5/15 11:52	11/5/15 16:40	EPA 624
1,2-Dichlorobenzene		ND	0.50	0.12	µg/L	1	U5K0514	GAB	11/5/15 11:52	11/5/15 16:40	EPA 624
1,2,4-Trichlorobenzene		ND	1.0	0.10	µg/L	1	U5K0514	GAB	11/5/15 11:52	11/5/15 16:40	EPA 624
Hexachlorobutadiene		ND	1.0	0.10	µg/L	1	U5K0514	GAB	11/5/15 11:52	11/5/15 16:40	EPA 624
Naphthalene		ND	0.50	0.15	µg/L	1	U5K0514	GAB	11/5/15 11:52	11/5/15 16:40	EPA 624
Xylenes		ND	2.0		µg/L	1	U5K0514	GAB	11/5/15 11:52	11/5/15 16:40	EPA 624
Surrogate: 4-Bromofluorobenzene		*96.0 %*	*70-130*				*U5K0514*		11/5/15 11:52	11/5/15 16:40	*EPA 624*
Surrogate: Dibromofluoromethane		*106 %*	*70-130*				*U5K0514*		11/5/15 11:52	11/5/15 16:40	*EPA 624*
Surrogate: Toluene-d8		*101 %*	*70-130*				*U5K0514*		11/5/15 11:52	11/5/15 16:40	*EPA 624*

Moore Twining Associates, Inc.

Juliane Adams, Director of Analytical Chemistry

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California ELAP Certificate #1371

Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Kinder Morgan	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/15/2015

Notes and Definitions

J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag). Same as DNQ - Detected, but Not Quantified.
ug/L	micrograms per liter (parts per billion concentration units)
mg/kg	milligrams per kilogram (parts per million concentration units)
mg/L	milligrams per Liter (parts per million concentration units)
ND	Analyte NOT DETECTED at or above the Minimum Detection Limit (MDL)
RPD	Relative Percent Difference

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Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Kinder Morgan	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/15/2015

Inorganics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5K0321 - EPA 300.0										
Blank (U5K0321-BLK1)				Prepared & Analyzed: 11/03/15						
Chloride	ND	2.0	mg/L							
Nitrite as N	ND	0.30	mg/L							
Nitrate as NO3	ND	2.0	mg/L							
LCS (U5K0321-BS1)				Prepared & Analyzed: 11/03/15						
Chloride	50.2	2.0	mg/L	50.0		100	90-110		20	
Nitrite as N	4.99	0.30	mg/L	5.00		99.7	90-110		20	
Nitrate as NO3	49.7	2.0	mg/L	50.0		99.4	90-110		20	
LCS Dup (U5K0321-BSD1)				Prepared & Analyzed: 11/03/15						
Chloride	49.3	2.0	mg/L	50.0		98.7	90-110	1.65	20	
Nitrite as N	4.93	0.30	mg/L	5.00		98.6	90-110	1.07	20	
Nitrate as NO3	49.3	2.0	mg/L	50.0		98.6	90-110	0.835	20	
Matrix Spike (U5K0321-MS1)		**Source: BK02047-01**		Prepared & Analyzed: 11/03/15						
Nitrite as N	9.98	0.60	mg/L	10.0	ND	99.8	80-120		20	
Chloride	117	4.0	mg/L	100	18.8	98.7	48-147		15	
Nitrate as NO3	113	4.0	mg/L	100	17.7	95.8	70-130		20	
Matrix Spike (U5K0321-MS2)		**Source: BK03026-01**		Prepared & Analyzed: 11/03/15						
Chloride	114	4.0	mg/L	100	16.8	97.1	48-147		15	
Nitrite as N	10.0	0.60	mg/L	10.0	0.600	94.5	80-120		20	
Nitrate as NO3	107	4.0	mg/L	100	12.2	95.0	70-130		20	
Matrix Spike Dup (U5K0321-MSD1)		**Source: BK02047-01**		Prepared & Analyzed: 11/03/15						
Nitrite as N	10.6	0.60	mg/L	10.0	ND	106	80-120	5.76	20	
Chloride	124	4.0	mg/L	100	18.8	105	48-147	5.05	15	
Nitrate as NO3	119	4.0	mg/L	100	17.7	101	70-130	4.75	20	
Matrix Spike Dup (U5K0321-MSD2)		**Source: BK03026-01**		Prepared & Analyzed: 11/03/15						
Chloride	115	4.0	mg/L	100	16.8	98.3	48-147	1.03	15	
Nitrite as N	10.2	0.60	mg/L	10.0	0.600	95.5	80-120	1.05	20	
Nitrate as NO3	108	4.0	mg/L	100	12.2	95.9	70-130	0.881	20	
Batch U5K0401 - SM5540C										
Blank (U5K0401-BLK1)				Prepared & Analyzed: 11/04/15						
Methylene Blue Active Substances	ND	0.050	mg/L							
LCS (U5K0401-BS1)				Prepared & Analyzed: 11/04/15						

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California ELAP Certificate #1371

Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Kinder Morgan	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/15/2015

Inorganics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5K0401 - SM5540C										
LCS (U5K0401-BS1)				Prepared & Analyzed: 11/04/15						
Methylene Blue Active Substances	0.923	0.050	mg/L	1.00		92.3	80-120		20	
LCS Dup (U5K0401-BSD1)				Prepared & Analyzed: 11/04/15						
Methylene Blue Active Substances	0.956	0.050	mg/L	1.00		95.6	80-120	3.51	20	
Matrix Spike (U5K0401-MS1)		**Source: BK03055-01**		Prepared & Analyzed: 11/04/15						
Methylene Blue Active Substances	1.01	0.050	mg/L	1.00	0.0370	97.7	80-120		20	
Matrix Spike Dup (U5K0401-MSD1)		**Source: BK03055-01**		Prepared & Analyzed: 11/04/15						
Methylene Blue Active Substances	0.984	0.050	mg/L	1.00	0.0370	94.7	80-120	3.00	20	
Batch U5K0403 - SM5210B										
Blank (U5K0403-BLK1)				Prepared: 11/04/15 Analyzed: 11/09/15						
Biochemical Oxygen Demand	ND	1.0	mg/L							
LCS (U5K0403-BS1)				Prepared: 11/04/15 Analyzed: 11/09/15						
Biochemical Oxygen Demand	173	50	mg/L	198		87.3	85-115		20	
LCS Dup (U5K0403-BSD1)				Prepared: 11/04/15 Analyzed: 11/09/15						
Biochemical Oxygen Demand	189	50	mg/L	198		95.4	85-115	8.84	20	
Duplicate (U5K0403-DUP1)		**Source: BK03011-01**		Prepared: 11/04/15 Analyzed: 11/09/15						
Biochemical Oxygen Demand	208	30	mg/L		247			17.2	20	
Duplicate (U5K0403-DUP2)		**Source: BK03017-01**		Prepared: 11/04/15 Analyzed: 11/09/15						
Biochemical Oxygen Demand	223	30	mg/L		233			4.45	20	
Batch U5K0408 - SM 2540D										
Blank (U5K0408-BLK1)				Prepared: 11/04/15 Analyzed: 11/05/15						
Total Suspended Solids	ND	4.0	mg/L							
Duplicate (U5K0408-DUP1)		**Source: BK03016-01**		Prepared: 11/04/15 Analyzed: 11/05/15						
Total Suspended Solids	130	67	mg/L		140			2.47	20	
Duplicate (U5K0408-DUP2)		**Source: BK03016-02**		Prepared: 11/04/15 Analyzed: 11/05/15						
Total Suspended Solids	650	67	mg/L		620			4.75	20	
Batch U5K0410 - SM 2540C										
Blank (U5K0410-BLK1)				Prepared: 11/04/15 Analyzed: 11/05/15						
Total Dissolved Solids	ND	10	mg/L							
LCS (U5K0410-BS1)				Prepared: 11/04/15 Analyzed: 11/05/15						

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3580 S. Frank	Project Number: Kinder Morgan	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/15/2015

Inorganics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5K0410 - SM 2540C										
Total Dissolved Solids	240	10	mg/L	240		100	80-120		20	
LCS Dup (U5K0410-BSD1)				Prepared: 11/04/15 Analyzed: 11/05/15						
Total Dissolved Solids	240	10	mg/L	240		100	80-120	0.00	20	
Duplicate (U5K0410-DUP1)		**Source: BK03036-01**		Prepared: 11/04/15 Analyzed: 11/05/15						
Total Dissolved Solids	9570	200	mg/L		9160			4.38	20	
Duplicate (U5K0410-DUP2)		**Source: BK03040-01**		Prepared: 11/04/15 Analyzed: 11/05/15						
Total Dissolved Solids	20400	200	mg/L		23100			12.4	20	
Batch U5K0427 - SM2510B										
Blank (U5K0427-BLK1)				Prepared & Analyzed: 11/04/15						
Specific Conductance (EC)	ND	1.0	µS/cm							
LCS (U5K0427-BS1)				Prepared & Analyzed: 11/04/15						
Specific Conductance (EC)	526	1.0	µS/cm	500		105	80-120		20	
LCS Dup (U5K0427-BSD1)				Prepared & Analyzed: 11/04/15						
Specific Conductance (EC)	527	1.0	µS/cm	500		105	80-120	0.192	20	
Duplicate (U5K0427-DUP1)		**Source: BK02032-02**		Prepared: 11/04/15 Analyzed: 11/05/15						
Specific Conductance (EC)	654	1.0	µS/cm		656			0.156	20	
Duplicate (U5K0427-DUP2)		**Source: BK04009-01**		Prepared: 11/04/15 Analyzed: 11/05/15						
Specific Conductance (EC)	141	1.0	µS/cm		142			0.798	20	
Batch U5K0504 - EPA 350.1										
Blank (U5K0504-BLK1)				Prepared & Analyzed: 11/05/15						
Ammonia as N	ND	1.0	mg/L							
LCS (U5K0504-BS1)				Prepared & Analyzed: 11/05/15						
Ammonia as N	22.2	1.0	mg/L	22.5		98.8	80-120		20	
LCS Dup (U5K0504-BSD1)				Prepared & Analyzed: 11/05/15						
Ammonia as N	21.2	1.0	mg/L	22.5		94.1	80-120	4.88	20	
Matrix Spike (U5K0504-MS1)		**Source: BJ29025-03**		Prepared & Analyzed: 11/05/15						
Ammonia as N	44.6	1.0	mg/L	22.5	22.8	97.0	80-120		20	
Matrix Spike (U5K0504-MS2)		**Source: BK03011-03**		Prepared & Analyzed: 11/05/15						
Ammonia as N	21.1	1.0	mg/L	22.5	ND	93.6	80-120		20	
Matrix Spike Dup (U5K0504-MSD1)		**Source: BJ29025-03**		Prepared & Analyzed: 11/05/15						

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3580 S. Frank	Project Number: Kinder Morgan	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/15/2015

Inorganics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5K0504 - EPA 350.1										
Matrix Spike Dup (U5K0504-MSD1)		**Source: BJ29025-03**		Prepared & Analyzed: 11/05/15						
Ammonia as N	43.0	1.0	mg/L	22.5	22.8	89.9	80-120	3.65	20	
Matrix Spike Dup (U5K0504-MSD2)		**Source: BK03011-03**		Prepared & Analyzed: 11/05/15						
Ammonia as N	21.7	1.0	mg/L	22.5	ND	96.3	80-120	2.81	20	
Batch U5K0624 - SM4500CN-E										
Blank (U5K0624-BLK1)				Prepared & Analyzed: 11/09/15						
Cyanide (total)	ND	5.0	µg/L							
LCS (U5K0624-BS1)				Prepared & Analyzed: 11/09/15						
Cyanide (total)	48.3	5.0	µg/L	50.0		96.6	80-120		20	
LCS Dup (U5K0624-BSD1)				Prepared & Analyzed: 11/09/15						
Cyanide (total)	47.8	5.0	µg/L	50.0		95.6	80-120	1.04	20	
Matrix Spike (U5K0624-MS1)		**Source: BK03008-01**		Prepared & Analyzed: 11/09/15						
Cyanide (total)	49.1	5.0	µg/L	50.0	ND	98.2	80-120		20	
Matrix Spike Dup (U5K0624-MSD1)		**Source: BK03008-01**		Prepared & Analyzed: 11/09/15						
Cyanide (total)	47.8	5.0	µg/L	50.0	ND	95.6	80-120	2.68	20	

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3580 S. Frank	Project Number: Kinder Morgan	Reported:
Fresno CA, 93725	Project Manager: Jim Anderson	12/15/2015

Metals - Totals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5K0317 - EPA 245.2										
Blank (U5K0317-BLK1)				Prepared & Analyzed: 11/04/15						
Mercury	ND	0.20	µg/L							
LCS (U5K0317-BS1)				Prepared & Analyzed: 11/04/15						
Mercury	5.26	0.20	µg/L	5.00		105	80-120		20	
LCS Dup (U5K0317-BSD1)				Prepared & Analyzed: 11/04/15						
Mercury	5.38	0.20	µg/L	5.00		108	80-120	2.17	20	
Matrix Spike (U5K0317-MS1)		**Source: BJ30024-01**		Prepared & Analyzed: 11/04/15						
Mercury	164	6.0	µg/L	150	ND	109	70-130		20	
Matrix Spike Dup (U5K0317-MSD1)		**Source: BJ30024-01**		Prepared & Analyzed: 11/04/15						
Mercury	164	6.0	µg/L	150	ND	110	70-130	0.118	20	
Batch U5K0324 - EPA 200.7										
Blank (U5K0324-BLK1)				Prepared: 11/05/15 Analyzed: 11/11/15						
Zinc	ND	0.0050	mg/L							
Nickel	ND	0.0050	mg/L							
Aluminum	ND	0.050	mg/L							
Selenium	ND	0.020	mg/L							
Boron	0.0136	0.050	mg/L							J
Cadmium	ND	0.0010	mg/L							
Molybdenum	ND	0.0050	mg/L							
Barium	0.000318	0.010	mg/L							J
Chromium	ND	0.0050	mg/L							
Copper	ND	0.0050	mg/L							
Arsenic	ND	0.010	mg/L							
Lead	ND	0.0050	mg/L							
Iron	ND	0.10	mg/L							
Silver	ND	0.0050	mg/L							
LCS (U5K0324-BS1)				Prepared: 11/05/15 Analyzed: 11/11/15						
Silver	0.110	0.0050	mg/L	0.100		110	85-115		20	
Iron	2.07	0.10	mg/L	2.00		104	85-115		20	
Lead	0.106	0.0050	mg/L	0.100		106	85-115		20	
Selenium	0.400	0.020	mg/L	0.400		99.9	85-115		20	
Chromium	0.104	0.0050	mg/L	0.100		104	85-115		20	
Zinc	0.107	0.0050	mg/L	0.100		107	85-115		20	

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3580 S. Frank	Project Number: Kinder Morgan	Reported:
Fresno CA, 93725	Project Manager: Jim Anderson	12/15/2015

Metals - Totals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5K0324 - EPA 200.7										
LCS (U5K0324-BS1)				Prepared: 11/05/15 Analyzed: 11/11/15						
Nickel	0.108	0.0050	mg/L	0.100		108	85-115		20	
Barium	0.206	0.010	mg/L	0.200		103	85-115		20	
Molybdenum	0.100	0.0050	mg/L	0.100		100	85-115		20	
Boron	0.976	0.050	mg/L	1.00		97.6	85-115		20	
Copper	0.0983	0.0050	mg/L	0.100		98.3	85-115		20	
Cadmium	0.0213	0.0010	mg/L	0.0200		107	85-115		20	
Arsenic	0.204	0.010	mg/L	0.200		102	85-115		20	
Aluminum	1.02	0.050	mg/L	1.00		102	85-115		20	
LCS Dup (U5K0324-BSD1)				Prepared: 11/05/15 Analyzed: 11/11/15						
Lead	0.106	0.0050	mg/L	0.100		106	85-115	0.501	20	
Arsenic	0.205	0.010	mg/L	0.200		103	85-115	0.606	20	
Nickel	0.108	0.0050	mg/L	0.100		108	85-115	0.275	20	
Silver	0.109	0.0050	mg/L	0.100		109	85-115	0.661	20	
Zinc	0.107	0.0050	mg/L	0.100		107	85-115	0.309	20	
Molybdenum	0.0998	0.0050	mg/L	0.100		99.8	85-115	0.425	20	
Chromium	0.103	0.0050	mg/L	0.100		103	85-115	0.799	20	
Copper	0.0992	0.0050	mg/L	0.100		99.2	85-115	0.883	20	
Aluminum	1.03	0.050	mg/L	1.00		103	85-115	0.308	20	
Cadmium	0.0213	0.0010	mg/L	0.0200		106	85-115	0.141	20	
Barium	0.205	0.010	mg/L	0.200		103	85-115	0.212	20	
Selenium	0.402	0.020	mg/L	0.400		100	85-115	0.482	20	
Boron	0.973	0.050	mg/L	1.00		97.3	85-115	0.304	20	
Iron	2.06	0.10	mg/L	2.00		103	85-115	0.732	20	
Matrix Spike (U5K0324-MS1)		**Source: BJ30027-02**		Prepared: 11/05/15 Analyzed: 11/11/15						
Silver	0.219	0.010	mg/L	0.200	ND	109	70-130		20	
Nickel	0.218	0.010	mg/L	0.200	0.000572	109	70-130		20	
Aluminum	3.54	0.10	mg/L	2.00	1.50	102	70-130		20	
Selenium	0.823	0.040	mg/L	0.800	ND	103	70-130		20	
Molybdenum	0.206	0.010	mg/L	0.200	0.00190	102	70-130		20	
Lead	0.218	0.010	mg/L	0.200	ND	109	70-130		20	
Chromium	0.208	0.010	mg/L	0.200	0.00147	104	70-130		20	
Iron	7.30	0.20	mg/L	4.00	3.23	102	70-130		20	
Arsenic	0.419	0.020	mg/L	0.400	ND	105	70-130		20	
Zinc	0.243	0.010	mg/L	0.200	0.0321	106	70-130		20	

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3580 S. Frank	Project Number: Kinder Morgan	Reported:
Fresno CA, 93725	Project Manager: Jim Anderson	12/15/2015

Metals - Totals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5K0324 - EPA 200.7										
Matrix Spike (U5K0324-MS1)		**Source: BJ30027-02**		Prepared: 11/05/15 Analyzed: 11/11/15						
Cadmium	0.0427	0.0020	mg/L	0.0400	ND	107	70-130		20	
Boron	2.00	0.10	mg/L	2.00	0.0310	98.4	70-130		20	
Barium	0.443	0.020	mg/L	0.400	0.0289	104	70-130		20	
Copper	0.200	0.010	mg/L	0.200	0.00311	98.5	70-130		20	
Matrix Spike (U5K0324-MS2)		**Source: BK03046-01**		Prepared: 11/05/15 Analyzed: 11/12/15						
Lead	0.214	0.010	mg/L	0.200	ND	107	70-130		20	
Barium	0.461	0.020	mg/L	0.400	0.0503	103	70-130		20	
Iron	4.26	0.20	mg/L	4.00	0.129	103	70-130		20	
Aluminum	2.12	0.10	mg/L	2.00	0.0828	102	70-130		20	
Arsenic	0.431	0.020	mg/L	0.400	ND	108	70-130		20	
Cadmium	0.0424	0.0020	mg/L	0.0400	ND	106	70-130		20	
Selenium	0.817	0.040	mg/L	0.800	ND	102	70-130		20	
Boron	2.07	0.10	mg/L	2.00	0.109	98.2	70-130		20	
Silver	0.213	0.010	mg/L	0.200	ND	106	70-130		20	
Molybdenum	0.206	0.010	mg/L	0.200	0.00169	102	70-130		20	
Copper	0.195	0.010	mg/L	0.200	ND	97.6	70-130		20	
Nickel	0.216	0.010	mg/L	0.200	0.00161	107	70-130		20	
Chromium	0.207	0.010	mg/L	0.200	ND	104	70-130		20	
Zinc	0.218	0.010	mg/L	0.200	0.0106	104	70-130		20	
Matrix Spike Dup (U5K0324-MSD1)		**Source: BJ30027-02**		Prepared: 11/05/15 Analyzed: 11/11/15						
Barium	0.440	0.020	mg/L	0.400	0.0289	103	70-130	0.737	20	
Nickel	0.213	0.010	mg/L	0.200	0.000572	106	70-130	2.31	20	
Molybdenum	0.204	0.010	mg/L	0.200	0.00190	101	70-130	0.882	20	
Copper	0.198	0.010	mg/L	0.200	0.00311	97.4	70-130	1.19	20	
Chromium	0.204	0.010	mg/L	0.200	0.00147	102	70-130	2.35	20	
Boron	2.01	0.10	mg/L	2.00	0.0310	98.9	70-130	0.547	20	
Cadmium	0.0422	0.0020	mg/L	0.0400	ND	106	70-130	1.08	20	
Arsenic	0.422	0.020	mg/L	0.400	ND	106	70-130	0.709	20	
Aluminum	3.55	0.10	mg/L	2.00	1.50	102	70-130	0.339	20	
Selenium	0.812	0.040	mg/L	0.800	ND	101	70-130	1.39	20	
Silver	0.214	0.010	mg/L	0.200	ND	107	70-130	2.15	20	
Lead	0.213	0.010	mg/L	0.200	ND	106	70-130	2.36	20	
Zinc	0.242	0.010	mg/L	0.200	0.0321	105	70-130	0.803	20	
Iron	7.26	0.20	mg/L	4.00	3.23	101	70-130	0.483	20	

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3580 S. Frank	Project Number: Kinder Morgan	**Reported:**
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Metals - Totals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5K0324 - EPA 200.7										
Matrix Spike Dup (U5K0324-MSD2)		**Source: BK03046-01**		Prepared: 11/05/15 Analyzed: 11/12/15						
Copper	0.192	0.010	mg/L	0.200	ND	95.9	70-130	1.76	20	
Barium	0.455	0.020	mg/L	0.400	0.0503	101	70-130	1.27	20	
Selenium	0.800	0.040	mg/L	0.800	ND	100	70-130	2.07	20	
Boron	2.07	0.10	mg/L	2.00	0.109	97.8	70-130	0.350	20	
Silver	0.210	0.010	mg/L	0.200	ND	105	70-130	1.13	20	
Lead	0.210	0.010	mg/L	0.200	ND	105	70-130	1.78	20	
Chromium	0.207	0.010	mg/L	0.200	ND	103	70-130	0.137	20	
Molybdenum	0.204	0.010	mg/L	0.200	0.00169	101	70-130	1.05	20	
Arsenic	0.423	0.020	mg/L	0.400	ND	106	70-130	1.84	20	
Cadmium	0.0426	0.0020	mg/L	0.0400	ND	106	70-130	0.287	20	
Aluminum	2.07	0.10	mg/L	2.00	0.0828	99.3	70-130	2.33	20	
Nickel	0.214	0.010	mg/L	0.200	0.00161	106	70-130	0.777	20	
Iron	4.23	0.20	mg/L	4.00	0.129	103	70-130	0.681	20	
Zinc	0.217	0.010	mg/L	0.200	0.0106	103	70-130	0.562	20	

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Kinder Morgan	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/15/2015

Semi-Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5K0901 - EPA 625										
Blank (U5K0901-BLK1)				Prepared: 11/09/15 Analyzed: 11/12/15						
Surrogate: 2-Fluorophenol	*37.4*		*µg/L*	*100*		*37.4*	*22-92*			
Surrogate: Phenol-d5	*26.7*		*µg/L*	*100*		*26.7*	*10-94*			
Surrogate: 2,4,6-Tribromophenol	*57.8*		*µg/L*	*100*		*57.8*	*49-138*			
Phenol	ND	5.0	µg/L							
2-Chlorophenol	ND	5.0	µg/L							
2-Methylphenol	ND	5.0	µg/L							
3-Methylphenol	ND	5.0	µg/L							
4-Methylphenol	ND	5.0	µg/L							
2-Nitrophenol	ND	5.0	µg/L							
2,4-Dimethylphenol	ND	5.0	µg/L							
2,4-Dichlorophenol	ND	5.0	µg/L							
2,6-Dichlorophenol	ND	5.0	µg/L							
4-Chloro-3-methylphenol	ND	5.0	µg/L							
2,4,5-Trichlorophenol	ND	5.0	µg/L							
2,4,6-Trichlorophenol	ND	5.0	µg/L							
2,4-Dinitrophenol	ND	5.0	µg/L							
4-Nitrophenol	ND	5.0	µg/L							
2,3,4,6-Tetrachlorophenol	ND	5.0	µg/L							
4,6-Dinitro-2-methylphenol	ND	5.0	µg/L							
Pentachlorophenol	ND	5.0	µg/L							
LCS (U5K0901-BS1)				Prepared: 11/09/15 Analyzed: 11/12/15						
Surrogate: 2-Fluorophenol	*40.3*		*µg/L*	*100*		*40.3*	*22-92*			
Surrogate: Phenol-d5	*27.8*		*µg/L*	*100*		*27.8*	*10-94*			
Surrogate: 2,4,6-Tribromophenol	*60.6*		*µg/L*	*100*		*60.6*	*49-138*			
Phenol	13.6	5.0	µg/L	50.0		27.3	5-112		20	
2-Chlorophenol	30.2	5.0	µg/L	50.0		60.5	23-134		20	
4-Chloro-3-methylphenol	28.1	5.0	µg/L	50.0		56.3	22-147		20	
LCS Dup (U5K0901-BSD1)				Prepared: 11/09/15 Analyzed: 11/12/15						
Surrogate: 2-Fluorophenol	*38.8*		*µg/L*	*100*		*38.8*	*22-92*			
Surrogate: Phenol-d5	*28.2*		*µg/L*	*100*		*28.2*	*10-94*			
Surrogate: 2,4,6-Tribromophenol	*65.7*		*µg/L*	*100*		*65.7*	*49-138*			
Phenol	14.1	5.0	µg/L	50.0		28.1	5-112	3.08	20	
2-Chlorophenol	29.4	5.0	µg/L	50.0		58.8	23-134	2.85	20	

MOORE TWINING ASSOCIATES, INC.

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

California ELAP Certificate #1371

Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Kinder Morgan	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/15/2015

Semi-Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5K0901 - EPA 625										
LCS Dup (U5K0901-BSD1)				Prepared: 11/09/15 Analyzed: 11/12/15						
4-Chloro-3-methylphenol	30.0	5.0	µg/L	50.0		59.9	22-147	6.29	20	
Batch U5K1604 - EPA 1664A										
Blank (U5K1604-BLK1)				Prepared: 11/16/15 Analyzed: 11/17/15						
Total Oil & Grease (HEM)	0.350	1.0	mg/L							J
LCS (U5K1604-BS1)				Prepared: 11/16/15 Analyzed: 11/17/15						
Total Oil & Grease (HEM)	41.9	1.0	mg/L	40.0		105	78-114		20	
LCS Dup (U5K1604-BSD1)				Prepared: 11/16/15 Analyzed: 11/17/15						
Total Oil & Grease (HEM)	40.8	1.0	mg/L	40.0		102	78-114	2.66	20	

MOORE TWINING ASSOCIATES, INC.

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
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California ELAP Certificate #1371

Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Kinder Morgan	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/15/2015

Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5K0514 - EPA 624										
Blank (U5K0514-BLK1)				Prepared & Analyzed: 11/05/15						
Surrogate: 4-Bromofluorobenzene	*24.6*		*µg/L*	*25.0*		*98.3*	*70-130*			
Surrogate: Dibromofluoromethane	*25.4*		*µg/L*	*25.0*		*102*	*70-130*			
Surrogate: Toluene-d8	*24.9*		*µg/L*	*25.0*		*99.7*	*70-130*			
Chloromethane	ND	0.50	µg/L							
Vinyl chloride	ND	0.50	µg/L							
Bromomethane	ND	1.0	µg/L							
Chloroethane	ND	0.50	µg/L							
Trichlorofluoromethane (CFC-11)	ND	0.50	µg/L							
Trichlorotrifluoroethane (CFC-113)	ND	1.0	µg/L							
1,1-Dichloroethene	ND	0.50	µg/L							
Acrolein	ND	10	µg/L							
Methylene chloride	ND	1.0	µg/L							
trans-1,2-Dichloroethene	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
Acrylonitrile	ND	5.0	µg/L							
cis-1,2-Dichloroethene	ND	0.50	µg/L							
Chloroform	ND	0.50	µg/L							
Carbon tetrachloride	ND	0.50	µg/L							
1,1,1-Trichloroethane (TCA)	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
Benzene	ND	0.50	µg/L							
1,2-Dichloroethane (1,2-DCA)	ND	0.50	µg/L							
Trichloroethene (TCE)	ND	0.50	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
2-Chloroethylvinyl ether	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
Toluene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Tetrachloroethene (PCE)	ND	0.50	µg/L							
1,1,2-Trichloroethane	ND	0.50	µg/L							
Dibromochloromethane	ND	0.50	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Kinder Morgan	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/15/2015

Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5K0514 - EPA 624										
Blank (U5K0514-BLK1)				Prepared & Analyzed: 11/05/15						
Ethylbenzene	ND	0.50	µg/L							
Chlorobenzene	ND	0.50	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
m,p-Xylene	ND	1.0	µg/L							
o-Xylene	ND	0.50	µg/L							
Styrene	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	1.0	µg/L							
1,2,3-Trichloropropane (123TCP)	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	1.0	µg/L							
Naphthalene	ND	0.50	µg/L							
Xylenes	ND	2.0	µg/L							
LCS (U5K0514-BS1)				Prepared & Analyzed: 11/05/15						
Surrogate: 4-Bromofluorobenzene	*24.4*		*µg/L*	*25.0*		*97.4*	*70-130*			
Surrogate: Dibromofluoromethane	*24.9*		*µg/L*	*25.0*		*99.7*	*70-130*			
Surrogate: Toluene-d8	*25.2*		*µg/L*	*25.0*		*101*	*70-130*			
1,1-Dichloroethene	20.1	0.50	µg/L	19.8		102	70-130		20	
Benzene	19.0	0.50	µg/L	20.0		95.2	70-130		20	
Trichloroethene (TCE)	18.6	0.50	µg/L	20.0		93.2	70-130		20	
Toluene	19.3	0.50	µg/L	19.9		97.1	70-130		20	
Chlorobenzene	18.7	0.50	µg/L	20.0		93.7	70-130		20	
LCS Dup (U5K0514-BSD1)				Prepared & Analyzed: 11/05/15						
Surrogate: 4-Bromofluorobenzene	*24.4*		*µg/L*	*25.0*		*97.4*	*70-130*			
Surrogate: Dibromofluoromethane	*25.4*		*µg/L*	*25.0*		*102*	*70-130*			
Surrogate: Toluene-d8	*25.2*		*µg/L*	*25.0*		*101*	*70-130*			
1,1-Dichloroethene	18.2	0.50	µg/L	19.8		91.9	70-130	10.1	20	
Benzene	18.0	0.50	µg/L	20.0		90.0	70-130	5.67	20	
Trichloroethene (TCE)	17.3	0.50	µg/L	20.0		86.6	70-130	7.29	20	
Toluene	18.1	0.50	µg/L	19.9		91.1	70-130	6.41	20	
Chlorobenzene	17.9	0.50	µg/L	20.0		89.5	70-130	4.59	20	

Date of Report: 12/01/2015

Julio Morales

Moore-Twining Associates
2527 Fresno Street
Fresno, CA 93720

Client Project:	BK03004
BCL Project:	Water Samples
BCL Work Order:	1529799
Invoice ID:	B220232

Enclosed are the results of analyses for samples received by the laboratory on 11/19/2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Misty Orton
Client Service Rep

Authorized Signature

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Chain of Custody and Cooler Receipt Form for 1529799 Page 1 of 2

MOORE TWINING ASSOCIATES, INC.

SUBCONTRACT ORDER - Purchase Order # 24680

California ELAP Certification # 1371 15-29799 **MTA Project # BK03004**

Please reference these numbers on all reports and invoices:
We also request QC data be provided with final report.

SENDING LABORATORY:

Moore Twining Associates, Inc.
2527 Fresno Street
Fresno, CA 93721
Phone: (559) 268-7021
Fax: (559) 268-0740
Project Manager: Julio Morales

RECEIVING LABORATORY:

BC Laboratories, Inc.
4100 Atlas Court
Bakersfield, CA 93308
Phone :(800) 878-4911
Fax: (661) 327-1918

Sample Comments

Client Sample ID#: KM 11022015G

MTA Sample ID: BK03004-01 Matrix: Water **Sampled: 11/02/15 15:05**

Requested Analysis: Phosphorus, Total (TKP) Holding time expires: 11/30/15 15:05

Containers Supplied:

CHK BY DISTRIBUTION
MA BK
SUB-OUT

Released By	Date	Received By	Date
	NOV 18 2015		11/19/15 16:17
	11/19/15 2230		11.09.15 2230

Please fax copy of receipt with your assigned sample ID number to (559) 268-0740 Page 1 of 1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
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Chain of Custody and Cooler Receipt Form for 1529799 Page 2 of 2

BC LABORATORIES INC. COOLER RECEIPT FORM Page 1 Of 1

Submission #: 15-29799

SHIPPING INFORMATION	SHIPPING CONTAINER	FREE LIQUID
Fed Ex ☐ UPS ☐ Ontrac ☐ Hand Delivery ☐ BC Lab Field Service ☒ Other ☐ (Specify)_____	Ice Chest ☒ None ☐ Box ☐ Other ☐ (Specify)_____	YES ☐ NO ☐

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☒ Comments:

All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐

COC Received ☒ YES ☐ NO

Emissivity: 0.97 Container: PE Thermometer ID: 208 Date/Time 11/19/15 2248

Temperature: (A) 1.2 °C / (C) 1.1 °C Analyst Init BJB

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr^{+6}										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS 8oz	A									
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548										
QT EPA 549										
QT EPA 8015M										
QT EPA 8270										
8oz / 16oz / 32oz AMBER										
8oz / 16oz / 32oz JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER										

Comments:

Sample Numbering Completed By: _____ Date/Time: 11/20/15 0845 Rev 20 07/24/2015

A = Actual / C = Corrected [S:\WPDoc\WordPerfect\LAB_DOCS\FORMS\SAMREC rev 20]

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Moore-Twining Associates 2527 Fresno Street Fresno, CA 93720	**Reported:** 12/01/2015 15:02 Project: Water Samples Project Number: BK03004 Project Manager: Julio Morales

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1529799-01	**COC Number:**	---	**Receive Date:**	11/19/2015 22:30
	Project Number:	---	**Sampling Date:**	11/02/2015 15:05
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	KM 11022015G BK03004-01	**Lab Matrix:**	Water
	Sampled By:	---	**Sample Type:**	Water

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Moore-Twining Associates
2527 Fresno Street
Fresno, CA 93720

Reported: 12/01/2015 15:02
Project: Water Samples
Project Number: BK03004
Project Manager: Julio Morales

Water Analysis (General Chemistry)

BCL Sample ID: 1529799-01 | **Client Sample Name:** KM 11022015G BK03004-01, 11/2/2015 3:05:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Total Phosphorus	**1.9**	**mg/L**	**0.050**	**0.012**	**EPA-365.4**	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-365.4	11/25/15	11/30/15 08:40	JMH	SC-1	1	BYK2325

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Moore-Twining Associates 2527 Fresno Street Fresno, CA 93720	**Reported:** 12/01/2015 15:02 Project: Water Samples Project Number: BK03004 Project Manager: Julio Morales

Water Analysis (General Chemistry)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BYK2325						
Total Phosphorus	BYK2325-BLK1	ND	mg/L	0.050	0.012	

Moore-Twining Associates
2527 Fresno Street
Fresno, CA 93720

Reported: 12/01/2015 15:02
Project: Water Samples
Project Number: BK03004
Project Manager: Julio Morales

Water Analysis (General Chemistry)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BYK2325										
Total Phosphorus	BYK2325-BS1	LCS	0.99790	1.0000	mg/L	99.8		85 - 115		

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Moore-Twining Associates
2527 Fresno Street
Fresno, CA 93720

Reported: 12/01/2015 15:02
Project: Water Samples
Project Number: BK03004
Project Manager: Julio Morales

Water Analysis (General Chemistry)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BYK2325	Used client sample: N										
Total Phosphorus	DUP	1529725-02	ND	ND		mg/L			20		
	MS	1529725-02	ND	0.99920	1.0000	mg/L		99.9		80 - 120	
	MSD	1529725-02	ND	1.0013	1.0000	mg/L	0.2	100	20	80 - 120	

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Moore-Twining Associates 2527 Fresno Street Fresno, CA 93720	**Reported:** 12/01/2015 15:02 Project: Water Samples Project Number: BK03004 Project Manager: Julio Morales

Notes And Definitions

MDL	Method Detection Limit
ND	Analyte Not Detected
PQL	Practical Quantitation Limit

MOORE TWINING ASSOCIATES, INC.

CHAIN OF CUSTODY/ANALYSIS REQUEST

2527 FRESNO STREET • FRESNO, CA 93721 • PHONE (559) 268-7021 • FAX: (559) 268-0740

ANALYTICAL CHEMISTRY DIVISION
CALIFORNIA ELAP CERTIFICATION # 1371

WORK ORDER #: BK03604
PAGE 1 OF 2

ATTENTION: Jim Anderson	ATTENTION:
NAME: Malaga County Water District	NAME:
ADDRESS: 3580 S. Frank	ADDRESS:
Fresno, CA 93725	
PHONE: (559) 485-7353	PHONE:
FAX: (559) 495-1070	FAX:

☐ STANDARD FORMAT
☐ EDT (STATE FORM)
☐ GEOTRACKER/COELT (LUFT)
☐ PDF ☐ EXCEL
☐ County DHS :
☐ Environmental Health Agency :
☐ OTHER:

SAMPLE INFORMATION

SAMPLED BY (PRINT): Thomas Siphongsay
SIGNATURE:

☐ PUBLIC SYSTEM ☑ ROUTINE
☐ PRIVATE WELL ☐ REPEAT
☐ OTHER ☐ REPLACEMENT

TURN AROUND TIME: ☐ RUSH, DUE ON:
☑ STANDARD

SAMPLE TYPES:

SOLID:
BS – BIOSOLID
CR – CERAMIC
SL – SOIL/SOLID

LIQUID:
DW – DRINKING WATER
GW – GROUND WATER
OL – OIL
SF – SURFACE WATER
ST – STORM WATER
WW – WASTE WATER

PROJECT INFORMATION

CONTRACT/P.O. NO.:
PROJECT: Local Limits Testing
PROJECT NUMBER: Kinder Morgan

LAB USE

NOTES ON RECEIVED CONDITION:
☐ CUSTODY SEAL(S) BROKEN ☐ SAMPLE(S) DAMAGED
☑ ON ICE ☐ AMBIENT TEMP. ☐ INCORRECT PRESERVATION

ANALYSIS REQUESTED

	CLIENT SAMPLE ID	DATE	TIME	TYPE	As, Al, Ba, B, Cd, Cu, Cr, Fe	Hg, Mo, Ni, Pb, Ag, Se, Zn	Ec, BOD, TSS	Ammonia, TKP	Cl, NO3-N, NO2-N, TDS, MBAS	EPA 624 Benzene	EPA 625 Phenols	EPA 1664 Oil and Grease	Cyanide		
1	KM11022015G	Start: 11/02/15 End: 11/02/15	~~Start:~~ ~~End:~~ 15:05	WW ~~Co~~ Gr	X	X	X	X	X	X	X	X	X		
2				WW Gr						~~X~~	~~X~~	~~X~~	~~X~~		

Comments:

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY
Thomas Siphongsay	Malaga	11/3/15	1000		

Moore Twining Associates

Sample Integrity — Page 2 of 2 — WO# BK03004 — MTA Bottles: Yes or No

COC Info

Was temperature within range? Chemistry ≤6°C Micro <10°C Temp 5-8 °C	Yes No N/A	Did all bottle labels agree with COC?	Yes No N/A
If samples were taken today, is there evidence that chilling has begun? Recvd_____C°	Yes No N/A	Was a sufficient amount of sample received?	Yes No N/A
Did all bottles arrive unbroken and intact?	Yes No N/A	Were correct containers and preservatives received for the tests requested?	Yes No N/A
Do samples have a hold time <72 hours?	Yes No N/A		

Were there bubbles in VOA vials? (**Volatiles Only**) — Yes No N/A

Was PM notified of discrepancies? — Yes No N/A

PM:

By/Time:

Bottles Received

125ml (A) 250ml (B) 1Liter (C) 40ml VOA (V)	1	
Bacti $Na_2S_2O_3$		
None (P)	3C	
Cr6 Buffer (P) Borate Carbonate Buffer		
HNO_3 (P)	1A	
H_2SO_4 (P)	1A	
NaOH (P)	1A	
NaOH+ZnAc (P)		
Dissolved Oxygen 300ml (P)		
None (AG)	2C	
None (CG) 500ml		
$Na_2S_2O_3$ 250ml (Brown P) 549		
$Na_2S_2O_3$ (AG)		
$Na_2S_2O_3$ (AG)		
Thio/K Citrate		
NH_4Cl (AG) 552		
HCl (AG)	1C/3V	
None (CG) 500ml		
H_3PO_4 (AG)		
Other:		
Plastic Bag		
Low Level Hg/Metals Double Bag		
Client Own		
Glass Jar: 125/ 250/ 500		
Soil Tube: Brass/ Steel/ Plastic		
5 g Encore		

Comments

Filter or Split

	Container	Preservative	Date/Time/Initials
S P F			
S P F			
S P F			
S P F			
S P F			

Labeled by: [illegible] @ 1413 Labels checked by: [illegible] @ 1030

FL-SC-0003-06

SIU Annual Sampling Results: Georgia Pacific Corrugated

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

December 08, 2015

Work Order #: BK05055

Jim Anderson
Malaga County Water District
3580 S. Frank
Fresno, CA 93725

RE: Local Limits Testing

Enclosed are the analytical results for samples received by our laboratory on 11/05/15 . For your reference, these analyses have been assigned laboratory work order number BK05055 .

All analyses have been performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, Moore Twining Associates, Inc. (MTA) is not responsible for use of less than complete reports. Results apply only to samples analyzed.

If you have any questions, please feel free to contact us at the number listed above.

Sincerely,

Moore Twining Associates, Inc.

Lisa Montijo
Client Services Representative

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Georgia Pacific	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/8/2015

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GP 110415G	BK05055-01	Waste Water	11/04/15 10:20	11/05/15 16:20

MOORE TWINING ASSOCIATES, INC.

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Fresno, CA 93721
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California ELAP Certificate #1371

Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Georgia Pacific	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/8/2015

GP 110415G

BK05055-01 (Waste Water) Sampled:11/04/15 10:20

Analyte	Flag	Result	Reporting Limit	MDL	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Method
Inorganics											
Ammonia as N		**300**	5.0	0.19	mg/L	1	U5K0902	MPA	11/9/15 8:20	11/9/15 15:46	EPA 350.1
Biochemical Oxygen Demand		**180**	30	30	mg/L	30	U5K0608	CMG	11/6/15 9:21	11/11/15 14:38	SM5210B
Chloride		**490**	12	0.11	mg/L	6	U5K0525	ETH	11/5/15 16:56	11/6/15 5:05	EPA 300.0
Cyanide (total)		**5.3**	5.0	2.8	µg/L	1	U5K1601	JTN	11/18/15 7:14	11/18/15 13:04	SM4500CN-E
Specific Conductance (EC)		**2800**	1.0	0.26	µS/cm	1	U5K1025	CMG	11/10/15 22:21	11/10/15 22:21	SM2510B
Methylene Blue Active Substances	**D1, J**	**0.33**	0.50	0.31	mg/L	10	U5K0602	MPA	11/6/15 8:01	11/6/15 11:42	SM5540C
Nitrate as Nitrogen		**1.1**	2.7	0.024	mg/L	6	[CALC]	ETH	11/6/15 5:05	11/6/15 5:05	EPA 300.0
Nitrate as Nitrogen		**1.1**	2.7	0.024	mg/L	6	[CALC]	ETH	11/6/15 5:05	11/6/15 5:05	[CALC]
Nitrate + Nitrite as N		**1.1**	4.5	0.088	mg/L	6	[CALC]	ETH	11/6/15 5:05	11/6/15 5:05	[CALC]
Nitrate as NO3	**J**	**4.7**	12	0.11	mg/L	6	U5K0525	ETH	11/5/15 16:56	11/6/15 5:05	EPA 300.0
Nitrite as N		ND	1.8	0.064	mg/L	6	U5K0525	ETH	11/5/15 16:56	11/6/15 5:05	EPA 300.0
Phosphorus		ND	5.0	0.11	mg/L	1	U5L0203	MPA	12/2/15 8:59	12/4/15 14:25	EPA 365.4
Total Dissolved Solids		**870**	40	32	mg/L	4	U5K0909	MVY	11/9/15 10:01	11/10/15 13:10	SM 2540C
Total Suspended Solids		**14**	4.0	0.23	mg/L	1	U5K1005	MVY	11/10/15 9:25	11/10/15 14:50	SM 2540D
Metals - Totals											
Aluminum		**0.15**	0.10	0.014	mg/L	1	U5K0606	DAR	11/9/15 11:40	11/11/15 10:08	EPA 200.7
Arsenic	**J**	**0.013**	0.020	0.0047	mg/L	1	U5K0606	DAR	11/9/15 11:40	11/11/15 10:08	EPA 200.7
Barium	**J**	**0.0033**	0.020	0.00026	mg/L	1	U5K0606	DAR	11/9/15 11:40	11/11/15 10:08	EPA 200.7
Boron		**0.11**	0.10	0.0017	mg/L	1	U5K0606	DAR	11/9/15 11:40	11/11/15 10:08	EPA 200.7
Cadmium	**J**	**0.00066**	0.0020	0.00041	mg/L	1	U5K0606	DAR	11/9/15 11:40	11/11/15 10:08	EPA 200.7
Chromium		ND	0.010	0.0018	mg/L	1	U5K0606	DAR	11/9/15 11:40	11/11/15 10:08	EPA 200.7
Copper		ND	0.010	0.0019	mg/L	1	U5K0606	DAR	11/9/15 11:40	11/11/15 10:08	EPA 200.7
Iron		ND	0.20	0.034	mg/L	1	U5K0606	DAR	11/9/15 11:40	11/11/15 10:08	EPA 200.7
Lead		ND	0.010	0.0028	mg/L	1	U5K0606	DAR	11/9/15 11:40	11/11/15 10:08	EPA 200.7
Mercury	D2	ND	1.2	0.21	µg/L	1	U5K1901	JTN	11/19/15 6:28	11/19/15 12:54	EPA 245.2
Molybdenum	**J**	**0.0082**	0.010	0.0015	mg/L	1	U5K0606	DAR	11/9/15 11:40	11/11/15 10:08	EPA 200.7
Nickel	**J**	**0.0060**	0.010	0.0010	mg/L	1	U5K0606	DAR	11/9/15 11:40	11/11/15 10:08	EPA 200.7
Selenium	**J**	**0.0057**	0.040	0.0036	mg/L	1	U5K0606	DAR	11/9/15 11:40	11/11/15 10:08	EPA 200.7
Silver		ND	0.010	0.0022	mg/L	1	U5K0606	DAR	11/9/15 11:40	11/11/15 10:08	EPA 200.7
Zinc		**0.76**	0.010	0.0016	mg/L	1	U5K0606	DAR	11/9/15 11:40	11/11/15 10:08	EPA 200.7
Semi-Volatile Organics											
Phenol		**40**	5.0	0.63	µg/L	1	U5K1303	FFP	11/13/15 8:09	11/25/15 22:59	EPA 625
2-Chlorophenol		ND	5.0	0.69	µg/L	1	U5K1303	FFP	11/13/15 8:09	11/25/15 22:59	EPA 625

Moore Twining Associates, Inc.

Juliane Adams, Director of Analytical Chemistry

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Georgia Pacific	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/8/2015

GP 110415G

BK05055-01 (Waste Water) Sampled:11/04/15 10:20

Analyte	Flag	Result	Reporting Limit	MDL	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Method
Semi-Volatile Organics											
2-Methylphenol		ND	5.0	0.93	µg/L	1	U5K1303	FFP	11/13/15 8:09	11/25/15 22:59	EPA 625
3-Methylphenol		ND	5.0	0.96	µg/L	1	U5K1303	FFP	11/13/15 8:09	11/25/15 22:59	EPA 625
4-Methylphenol		ND	5.0	1.1	µg/L	1	U5K1303	FFP	11/13/15 8:09	11/25/15 22:59	EPA 625
2-Nitrophenol		ND	5.0	1.3	µg/L	1	U5K1303	FFP	11/13/15 8:09	11/25/15 22:59	EPA 625
2,4-Dimethylphenol		ND	5.0	1.2	µg/L	1	U5K1303	FFP	11/13/15 8:09	11/25/15 22:59	EPA 625
2,4-Dichlorophenol		ND	5.0	0.79	µg/L	1	U5K1303	FFP	11/13/15 8:09	11/25/15 22:59	EPA 625
2,6-Dichlorophenol		ND	5.0	0.59	µg/L	1	U5K1303	FFP	11/13/15 8:09	11/25/15 22:59	EPA 625
4-Chloro-3-methylphenol		ND	5.0	0.57	µg/L	1	U5K1303	FFP	11/13/15 8:09	11/25/15 22:59	EPA 625
2,4,5-Trichlorophenol		ND	5.0	2.3	µg/L	1	U5K1303	FFP	11/13/15 8:09	11/25/15 22:59	EPA 625
2,4,6-Trichlorophenol		ND	5.0	2.5	µg/L	1	U5K1303	FFP	11/13/15 8:09	11/25/15 22:59	EPA 625
2,4-Dinitrophenol		ND	5.0	1.9	µg/L	1	U5K1303	FFP	11/13/15 8:09	11/25/15 22:59	EPA 625
4-Nitrophenol		ND	5.0	1.6	µg/L	1	U5K1303	FFP	11/13/15 8:09	11/25/15 22:59	EPA 625
2,3,4,6-Tetrachlorophenol		ND	5.0	0.59	µg/L	1	U5K1303	FFP	11/13/15 8:09	11/25/15 22:59	EPA 625
4,6-Dinitro-2-methylphenol		ND	5.0	0.51	µg/L	1	U5K1303	FFP	11/13/15 8:09	11/25/15 22:59	EPA 625
Pentachlorophenol		ND	5.0	1.3	µg/L	1	U5K1303	FFP	11/13/15 8:09	11/25/15 22:59	EPA 625
Surrogate: 2-Fluorophenol	**HT2**	*43.3 %*	*22-92*				*U5K1303*		11/13/15 8:09	11/25/15 22:59	*EPA 625*
Surrogate: Phenol-d5	**HT2**	*27.7 %*	*10-94*				*U5K1303*		11/13/15 8:09	11/25/15 22:59	*EPA 625*
Surrogate: 2,4,6-Tribromophenol	**HT2**	*64.4 %*	*49-138*				*U5K1303*		11/13/15 8:09	11/25/15 22:59	*EPA 625*
Total Oil & Grease (HEM)		**18**	1.0	0.17	mg/L	1	U5K1822	BBA	11/18/15 17:25	11/19/15 18:00	EPA 1664A
Volatile Organics											
Chloromethane		ND	2.5	0.80	µg/L	5	U5K1312	GAB	11/13/15 11:22	11/13/15 15:29	EPA 624
Vinyl chloride		ND	2.5	0.81	µg/L	5	U5K1312	GAB	11/13/15 11:22	11/13/15 15:29	EPA 624
Bromomethane		ND	5.0	1.6	µg/L	5	U5K1312	GAB	11/13/15 11:22	11/13/15 15:29	EPA 624
Chloroethane		ND	2.5	0.82	µg/L	5	U5K1312	GAB	11/13/15 11:22	11/13/15 15:29	EPA 624
Trichlorofluoromethane (CFC-11)		ND	2.5	0.66	µg/L	5	U5K1312	GAB	11/13/15 11:22	11/13/15 15:29	EPA 624
Trichlorotrifluoroethane (CFC-113)		ND	5.0	0.56	µg/L	5	U5K1312	GAB	11/13/15 11:22	11/13/15 15:29	EPA 624
1,1-Dichloroethene		ND	2.5	0.68	µg/L	5	U5K1312	GAB	11/13/15 11:22	11/13/15 15:29	EPA 624
Acrolein		ND	50	7.7	µg/L	5	U5K1312	GAB	11/13/15 11:22	11/13/15 15:29	EPA 624
Methylene chloride		ND	5.0	1.0	µg/L	5	U5K1312	GAB	11/13/15 11:22	11/13/15 15:29	EPA 624
trans-1,2-Dichloroethene		ND	2.5	0.57	µg/L	5	U5K1312	GAB	11/13/15 11:22	11/13/15 15:29	EPA 624
Methyl tert-Butyl Ether (MTBE)		ND	5.0	1.8	µg/L	5	U5K1312	GAB	11/13/15 11:22	11/13/15 15:29	EPA 624
1,1-Dichloroethane		ND	2.5	0.60	µg/L	5	U5K1312	GAB	11/13/15 11:22	11/13/15 15:29	EPA 624
Acrylonitrile		ND	25	15	µg/L	5	U5K1312	GAB	11/13/15 11:22	11/13/15 15:29	EPA 624

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

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Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Georgia Pacific	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/8/2015

GP 110415G

BK05055-01 (Waste Water) Sampled:11/04/15 10:20

Analyte	Flag	Result	Reporting Limit	MDL	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Method
Volatile Organics											
cis-1,2-Dichloroethene		ND	2.5	0.76	µg/L	5	U5K1312	GAB	11/13/15 11:22	11/13/15 15:29	EPA 624
Chloroform		ND	2.5	0.71	µg/L	5	U5K1312	GAB	11/13/15 11:22	11/13/15 15:29	EPA 624
Carbon tetrachloride		ND	2.5	0.82	µg/L	5	U5K1312	GAB	11/13/15 11:22	11/13/15 15:29	EPA 624
1,1,1-Trichloroethane (TCA)		ND	2.5	0.79	µg/L	5	U5K1312	GAB	11/13/15 11:22	11/13/15 15:29	EPA 624
1,1-Dichloropropene		ND	2.5	0.58	µg/L	5	U5K1312	GAB	11/13/15 11:22	11/13/15 15:29	EPA 624
Benzene		ND	2.5	0.51	µg/L	5	U5K1312	GAB	11/13/15 11:22	11/13/15 15:29	EPA 624
1,2-Dichloroethane (1,2-DCA)		ND	2.5	0.50	µg/L	5	U5K1312	GAB	11/13/15 11:22	11/13/15 15:29	EPA 624
Trichloroethene (TCE)		ND	2.5	0.87	µg/L	5	U5K1312	GAB	11/13/15 11:22	11/13/15 15:29	EPA 624
1,2-Dichloropropane		ND	2.5	0.52	µg/L	5	U5K1312	GAB	11/13/15 11:22	11/13/15 15:29	EPA 624
Bromodichloromethane		ND	2.5	0.64	µg/L	5	U5K1312	GAB	11/13/15 11:22	11/13/15 15:29	EPA 624
2-Chloroethylvinyl ether		ND	5.0	1.6	µg/L	5	U5K1312	GAB	11/13/15 11:22	11/13/15 15:29	EPA 624
cis-1,3-Dichloropropene		ND	2.5	0.57	µg/L	5	U5K1312	GAB	11/13/15 11:22	11/13/15 15:29	EPA 624
Toluene		ND	2.5	1.3	µg/L	5	U5K1312	GAB	11/13/15 11:22	11/13/15 15:29	EPA 624
trans-1,3-Dichloropropene		ND	2.5	0.70	µg/L	5	U5K1312	GAB	11/13/15 11:22	11/13/15 15:29	EPA 624
Tetrachloroethene (PCE)		ND	2.5	0.58	µg/L	5	U5K1312	GAB	11/13/15 11:22	11/13/15 15:29	EPA 624
1,1,2-Trichloroethane		ND	2.5	0.58	µg/L	5	U5K1312	GAB	11/13/15 11:22	11/13/15 15:29	EPA 624
Dibromochloromethane		ND	2.5	0.57	µg/L	5	U5K1312	GAB	11/13/15 11:22	11/13/15 15:29	EPA 624
1,2-Dibromoethane (EDB)		ND	2.5	1.1	µg/L	5	U5K1312	GAB	11/13/15 11:22	11/13/15 15:29	EPA 624
Ethylbenzene		ND	2.5	0.50	µg/L	5	U5K1312	GAB	11/13/15 11:22	11/13/15 15:29	EPA 624
Chlorobenzene		ND	2.5	0.52	µg/L	5	U5K1312	GAB	11/13/15 11:22	11/13/15 15:29	EPA 624
1,1,1,2-Tetrachloroethane		ND	2.5	0.60	µg/L	5	U5K1312	GAB	11/13/15 11:22	11/13/15 15:29	EPA 624
m,p-Xylene		ND	5.0	1.0	µg/L	5	U5K1312	GAB	11/13/15 11:22	11/13/15 15:29	EPA 624
o-Xylene		ND	2.5	0.50	µg/L	5	U5K1312	GAB	11/13/15 11:22	11/13/15 15:29	EPA 624
Styrene		**5.5**	2.5	0.50	µg/L	5	U5K1312	GAB	11/13/15 11:22	11/13/15 15:29	EPA 624
Bromoform		ND	5.0	0.60	µg/L	5	U5K1312	GAB	11/13/15 11:22	11/13/15 15:29	EPA 624
1,1,2,2-Tetrachloroethane		ND	5.0	1.1	µg/L	5	U5K1312	GAB	11/13/15 11:22	11/13/15 15:29	EPA 624
1,2,3-Trichloropropane (123TCP)		ND	2.5	1.4	µg/L	5	U5K1312	GAB	11/13/15 11:22	11/13/15 15:29	EPA 624
1,3-Dichlorobenzene		ND	2.5	0.20	µg/L	5	U5K1312	GAB	11/13/15 11:22	11/13/15 15:29	EPA 624
1,4-Dichlorobenzene		ND	2.5	0.50	µg/L	5	U5K1312	GAB	11/13/15 11:22	11/13/15 15:29	EPA 624
1,2-Dichlorobenzene		ND	2.5	0.58	µg/L	5	U5K1312	GAB	11/13/15 11:22	11/13/15 15:29	EPA 624
1,2,4-Trichlorobenzene		ND	5.0	0.50	µg/L	5	U5K1312	GAB	11/13/15 11:22	11/13/15 15:29	EPA 624
Hexachlorobutadiene		ND	5.0	0.50	µg/L	5	U5K1312	GAB	11/13/15 11:22	11/13/15 15:29	EPA 624
Naphthalene		**3.8**	2.5	0.76	µg/L	5	U5K1312	GAB	11/13/15 11:22	11/13/15 15:29	EPA 624
Xylenes		ND	10		µg/L	5	U5K1312	GAB	11/13/15 11:22	11/13/15 15:29	EPA 624

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California ELAP Certificate #1371

Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Georgia Pacific	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/8/2015

GP 110415G

BK05055-01 (Waste Water) Sampled:11/04/15 10:20

Analyte	Flag	Result	Reporting Limit	MDL	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Method
Volatile Organics											
Surrogate: 4-Bromofluorobenzene	**D4**	*97.6 %*	*70-130*				*U5K1312*		11/13/15 11:22	11/13/15 15:29	*EPA 624*
Surrogate: Dibromofluoromethane	**D4**	*110 %*	*70-130*				*U5K1312*		11/13/15 11:22	11/13/15 15:29	*EPA 624*
Surrogate: Toluene-d8	**D4**	*100 %*	*70-130*				*U5K1312*		11/13/15 11:22	11/13/15 15:29	*EPA 624*

Notes and Definitions

MS3	Recovery for this analyte was biased low; associated blank spike recoveries are within range.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag). Same as DNQ - Detected, but Not Quantified.
HT2	This sample was analyzed past the EPA recommended holding time for this parameter due to late delivery of the sample to the laboratory.
D4	Sample was diluted due to the foamy nature of this sample.
D2	Sample diluted due to high concentration(s) of non-target analyte(s).
D1	Sample diluted due to matrix effects.
ug/L	micrograms per liter (parts per billion concentration units)
mg/kg	milligrams per kilogram (parts per million concentration units)
mg/L	milligrams per Liter (parts per million concentration units)
ND	Analyte NOT DETECTED at or above the Minimum Detection Limit (MDL)
RPD	Relative Percent Difference

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

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Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Georgia Pacific	Reported:
Fresno CA, 93725	Project Manager: Jim Anderson	12/8/2015

Inorganics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5K0525 - EPA 300.0										
Blank (U5K0525-BLK1)				Prepared & Analyzed: 11/05/15						
Chloride	ND	2.0	mg/L							
Nitrite as N	ND	0.30	mg/L							
Nitrate as NO3	ND	2.0	mg/L							
LCS (U5K0525-BS1)				Prepared & Analyzed: 11/05/15						
Nitrite as N	4.93	0.30	mg/L	5.00		98.5	90-110		20	
Chloride	49.1	2.0	mg/L	50.0		98.2	90-110		20	
Nitrate as NO3	48.9	2.0	mg/L	50.0		97.7	90-110		20	
LCS Dup (U5K0525-BSD1)				Prepared & Analyzed: 11/05/15						
Nitrite as N	4.97	0.30	mg/L	5.00		99.5	90-110	0.978	20	
Chloride	49.3	2.0	mg/L	50.0		98.7	90-110	0.530	20	
Nitrate as NO3	48.8	2.0	mg/L	50.0		97.7	90-110	0.0561	20	
Matrix Spike (U5K0525-MS1)		**Source: BK05023-04**		Prepared: 11/05/15 Analyzed: 11/06/15						
Chloride	201	8.0	mg/L	200	9.17	95.9	48-147		15	
Nitrite as N	19.3	1.2	mg/L	20.0	ND	96.6	80-120		20	
Nitrate as NO3	338	8.0	mg/L	200	149	94.9	70-130		20	
Matrix Spike (U5K0525-MS2)		**Source: BK05044-02**		Prepared: 11/05/15 Analyzed: 11/06/15						
Nitrite as N	18.9	1.2	mg/L	20.0	ND	94.3	80-120		20	
Chloride	219	8.0	mg/L	200	33.1	93.1	48-147		15	
Nitrate as NO3	214	8.0	mg/L	200	19.5	97.4	70-130		20	
Matrix Spike Dup (U5K0525-MSD1)		**Source: BK05023-04**		Prepared: 11/05/15 Analyzed: 11/06/15						
Chloride	200	8.0	mg/L	200	9.17	95.5	48-147	0.364	15	
Nitrite as N	19.3	1.2	mg/L	20.0	ND	96.7	80-120	0.143	20	
Nitrate as NO3	336	8.0	mg/L	200	149	93.8	70-130	0.618	20	
Matrix Spike Dup (U5K0525-MSD2)		**Source: BK05044-02**		Prepared: 11/05/15 Analyzed: 11/06/15						
Nitrite as N	18.8	1.2	mg/L	20.0	ND	94.1	80-120	0.191	20	
Chloride	217	8.0	mg/L	200	33.1	92.0	48-147	1.02	15	
Nitrate as NO3	210	8.0	mg/L	200	19.5	95.1	70-130	2.21	20	
Batch U5K0602 - SM5540C										
Blank (U5K0602-BLK1)				Prepared & Analyzed: 11/06/15						
Methylene Blue Active Substances	ND	0.050	mg/L							
LCS (U5K0602-BS1)				Prepared & Analyzed: 11/06/15						

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Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Georgia Pacific	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/8/2015

Inorganics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5K0602 - SM5540C										
LCS (U5K0602-BS1)				Prepared & Analyzed: 11/06/15						
Methylene Blue Active Substances	1.05	0.050	mg/L	1.00		105	80-120		20	
LCS Dup (U5K0602-BSD1)				Prepared & Analyzed: 11/06/15						
Methylene Blue Active Substances	1.07	0.050	mg/L	1.00		107	80-120	1.80	20	
Matrix Spike (U5K0602-MS1)		**Source: BK05057-01**		Prepared & Analyzed: 11/06/15						
Methylene Blue Active Substances	1.92	0.50	mg/L	1.00	1.06	85.1	80-120		20	
Matrix Spike Dup (U5K0602-MSD1)		**Source: BK05057-01**		Prepared & Analyzed: 11/06/15						
Methylene Blue Active Substances	1.84	0.50	mg/L	1.00	1.06	77.5	80-120	4.05	20	MS3
Batch U5K0608 - SM5210B										
Blank (U5K0608-BLK1)				Prepared: 11/06/15 Analyzed: 11/11/15						
Biochemical Oxygen Demand	ND	1.0	mg/L							
LCS (U5K0608-BS1)				Prepared: 11/06/15 Analyzed: 11/11/15						
Biochemical Oxygen Demand	169	50	mg/L	198		85.5	85-115		20	
LCS Dup (U5K0608-BSD1)				Prepared: 11/06/15 Analyzed: 11/11/15						
Biochemical Oxygen Demand	171	50	mg/L	198		86.5	85-115	1.17	20	
Duplicate (U5K0608-DUP1)		**Source: BK05048-01**		Prepared: 11/06/15 Analyzed: 11/11/15						
Biochemical Oxygen Demand	788	300	mg/L		791			0.380	20	
Duplicate (U5K0608-DUP2)		**Source: BK06004-01**		Prepared: 11/06/15 Analyzed: 11/11/15						
Biochemical Oxygen Demand	261	100	mg/L		292			11.2	20	
Batch U5K0902 - EPA 350.1										
Blank (U5K0902-BLK1)				Prepared & Analyzed: 11/09/15						
Ammonia as N	ND	1.0	mg/L							
LCS (U5K0902-BS1)				Prepared & Analyzed: 11/09/15						
Ammonia as N	22.1	1.0	mg/L	22.5		98.4	80-120		20	
LCS Dup (U5K0902-BSD1)				Prepared & Analyzed: 11/09/15						
Ammonia as N	22.3	1.0	mg/L	22.5		99.0	80-120	0.630	20	
Matrix Spike (U5K0902-MS1)		**Source: BK06013-01**		Prepared & Analyzed: 11/09/15						
Ammonia as N	24.0	1.0	mg/L	22.5	0.227	106	80-120		20	
Matrix Spike Dup (U5K0902-MSD1)		**Source: BK06013-01**		Prepared & Analyzed: 11/09/15						
Ammonia as N	22.6	1.0	mg/L	22.5	0.227	99.3	80-120	6.26	20	

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3580 S. Frank	Project Number: Georgia Pacific	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/8/2015

Inorganics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5K0909 - SM 2540C										
Blank (U5K0909-BLK1)				Prepared: 11/09/15 Analyzed: 11/10/15						
Total Dissolved Solids	ND	10	mg/L							
LCS (U5K0909-BS1)				Prepared: 11/09/15 Analyzed: 11/10/15						
Total Dissolved Solids	242	10	mg/L	240		101	80-120		20	
LCS Dup (U5K0909-BSD1)				Prepared: 11/09/15 Analyzed: 11/10/15						
Total Dissolved Solids	244	10	mg/L	240		101	80-120	0.618	20	
Duplicate (U5K0909-DUP1)		**Source: BK04046-01**		Prepared: 11/09/15 Analyzed: 11/10/15						
Total Dissolved Solids	472	10	mg/L		471			0.106	20	
Duplicate (U5K0909-DUP2)		**Source: BK04047-01**		Prepared: 11/09/15 Analyzed: 11/10/15						
Total Dissolved Solids	3180	40	mg/L		3420			7.27	20	
Batch U5K1005 - SM 2540D										
Blank (U5K1005-BLK1)				Prepared & Analyzed: 11/10/15						
Total Suspended Solids	0.400	4.0	mg/L							J
Duplicate (U5K1005-DUP1)		**Source: BK05020-05**		Prepared & Analyzed: 11/10/15						
Total Suspended Solids	2600	200	mg/L		2600			2.68	20	
Duplicate (U5K1005-DUP2)		**Source: BK05020-06**		Prepared & Analyzed: 11/10/15						
Total Suspended Solids	4000	200	mg/L		4000			0.745	20	
Batch U5K1025 - SM2510B										
Blank (U5K1025-BLK1)				Prepared & Analyzed: 11/10/15						
Specific Conductance (EC)	ND	1.0	µS/cm							
LCS (U5K1025-BS1)				Prepared & Analyzed: 11/10/15						
Specific Conductance (EC)	524	1.0	µS/cm	500		105	80-120		20	
LCS Dup (U5K1025-BSD1)				Prepared & Analyzed: 11/10/15						
Specific Conductance (EC)	524	1.0	µS/cm	500		105	80-120	0.00	20	
Duplicate (U5K1025-DUP1)		**Source: BK05024-01**		Prepared & Analyzed: 11/10/15						
Specific Conductance (EC)	838	1.0	µS/cm		840			0.242	20	
Duplicate (U5K1025-DUP2)		**Source: BK06020-01**		Prepared & Analyzed: 11/10/15						
Specific Conductance (EC)	686	1.0	µS/cm		685			0.147	20	
Batch U5K1601 - SM4500CN-E										
Blank (U5K1601-BLK1)				Prepared & Analyzed: 11/18/15						

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Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Georgia Pacific	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/8/2015

Inorganics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5K1601 - SM4500CN-E										
Cyanide (total)	ND	5.0	µg/L							
LCS (U5K1601-BS1)				Prepared & Analyzed: 11/18/15						
Cyanide (total)	51.2	5.0	µg/L	50.0		102	80-120		20	
LCS Dup (U5K1601-BSD1)				Prepared & Analyzed: 11/18/15						
Cyanide (total)	49.4	5.0	µg/L	50.0		98.8	80-120	3.58	20	
Matrix Spike (U5K1601-MS1)		**Source: BK05052-01**		Prepared & Analyzed: 11/18/15						
Cyanide (total)	47.1	5.0	µg/L	50.0	ND	94.2	80-120		20	
Matrix Spike Dup (U5K1601-MSD1)		**Source: BK05052-01**		Prepared & Analyzed: 11/18/15						
Cyanide (total)	48.9	5.0	µg/L	50.0	ND	97.8	80-120	3.75	20	
Batch U5L0203 - EPA 365.4										
Blank (U5L0203-BLK1)				Prepared: 12/02/15 Analyzed: 12/04/15						
Phosphorus	ND	0.50	mg/L							
LCS (U5L0203-BS1)				Prepared: 12/02/15 Analyzed: 12/04/15						
Phosphorus	7.62	0.50	mg/L	7.50		102	80-120		20	
LCS Dup (U5L0203-BSD1)				Prepared: 12/02/15 Analyzed: 12/04/15						
Phosphorus	7.41	0.50	mg/L	7.50		98.8	80-120	2.79	20	
Matrix Spike (U5L0203-MS1)		**Source: BK04019-01**		Prepared: 12/02/15 Analyzed: 12/04/15						
Phosphorus	12.6	0.50	mg/L	7.50	4.88	102	80-120		20	
Matrix Spike Dup (U5L0203-MSD1)		**Source: BK04019-01**		Prepared: 12/02/15 Analyzed: 12/04/15						
Phosphorus	12.3	0.50	mg/L	7.50	4.88	99.0	80-120	2.11	20	

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3580 S. Frank	Project Number: Georgia Pacific	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/8/2015

Metals - Totals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5K0606 - EPA 200.7										
Blank (U5K0606-BLK1)				Prepared & Analyzed: 11/09/15						
Cadmium	ND	0.0010	mg/L							
Silver	ND	0.0050	mg/L							
Iron	ND	0.10	mg/L							
Selenium	0.00313	0.020	mg/L							J
Zinc	ND	0.0050	mg/L							
Lead	ND	0.0050	mg/L							
Boron	0.00508	0.050	mg/L							J
Aluminum	ND	0.050	mg/L							
Nickel	ND	0.0050	mg/L							
Molybdenum	0.000855	0.0050	mg/L							J
Arsenic	ND	0.010	mg/L							
Copper	ND	0.0050	mg/L							
Chromium	ND	0.0050	mg/L							
Barium	0.000256	0.010	mg/L							J
LCS (U5K0606-BS1)				Prepared & Analyzed: 11/09/15						
Lead	0.100	0.0050	mg/L	0.100		100	85-115		20	
Selenium	0.397	0.020	mg/L	0.400		99.3	85-115		20	
Cadmium	0.0207	0.0010	mg/L	0.0200		103	85-115		20	
Barium	0.208	0.010	mg/L	0.200		104	85-115		20	
Copper	0.0981	0.0050	mg/L	0.100		98.1	85-115		20	
Aluminum	0.991	0.050	mg/L	1.00		99.1	85-115		20	
Silver	0.106	0.0050	mg/L	0.100		106	85-115		20	
Iron	2.01	0.10	mg/L	2.00		101	85-115		20	
Zinc	0.101	0.0050	mg/L	0.100		101	85-115		20	
Boron	0.976	0.050	mg/L	1.00		97.6	85-115		20	
Molybdenum	0.0985	0.0050	mg/L	0.100		98.5	85-115		20	
Chromium	0.103	0.0050	mg/L	0.100		103	85-115		20	
Arsenic	0.198	0.010	mg/L	0.200		98.8	85-115		20	
Nickel	0.107	0.0050	mg/L	0.100		107	85-115		20	
LCS Dup (U5K0606-BSD1)				Prepared & Analyzed: 11/09/15						
Zinc	0.102	0.0050	mg/L	0.100		102	85-115	0.369	20	
Arsenic	0.195	0.010	mg/L	0.200		97.3	85-115	1.52	20	
Lead	0.102	0.0050	mg/L	0.100		102	85-115	2.13	20	
Aluminum	1.05	0.050	mg/L	1.00		105	85-115	6.07	20	

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Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Georgia Pacific	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/8/2015

Metals - Totals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5K0606 - EPA 200.7										
LCS Dup (U5K0606-BSD1)				Prepared & Analyzed: 11/09/15						
Molybdenum	0.0986	0.0050	mg/L	0.100		98.6	85-115	0.0621	20	
Cadmium	0.0206	0.0010	mg/L	0.0200		103	85-115	0.224	20	
Iron	2.09	0.10	mg/L	2.00		105	85-115	4.05	20	
Barium	0.208	0.010	mg/L	0.200		104	85-115	0.148	20	
Nickel	0.106	0.0050	mg/L	0.100		106	85-115	1.30	20	
Selenium	0.395	0.020	mg/L	0.400		98.7	85-115	0.614	20	
Chromium	0.102	0.0050	mg/L	0.100		102	85-115	1.02	20	
Silver	0.107	0.0050	mg/L	0.100		107	85-115	0.761	20	
Boron	1.02	0.050	mg/L	1.00		102	85-115	4.37	20	
Copper	0.0976	0.0050	mg/L	0.100		97.6	85-115	0.548	20	
Matrix Spike (U5K0606-MS1)		**Source: BK05021-01**		Prepared & Analyzed: 11/09/15						
Nickel	1.06	0.050	mg/L	1.00	ND	106	70-130		20	
Aluminum	10.4	0.50	mg/L	10.0	0.0798	103	70-130		20	
Selenium	3.88	0.20	mg/L	4.00	ND	97.1	70-130		20	
Silver	1.04	0.050	mg/L	1.00	ND	104	70-130		20	
Molybdenum	0.964	0.050	mg/L	1.00	ND	96.4	70-130		20	
Zinc	2.15	0.050	mg/L	1.00	1.18	96.6	70-130		20	
Cadmium	0.205	0.010	mg/L	0.200	ND	102	70-130		20	
Lead	0.999	0.050	mg/L	1.00	ND	99.9	70-130		20	
Copper	0.971	0.050	mg/L	1.00	ND	97.1	70-130		20	
Arsenic	1.92	0.10	mg/L	2.00	ND	96.1	70-130		20	
Barium	2.08	0.10	mg/L	2.00	0.0108	103	70-130		20	
Boron	10.0	0.50	mg/L	10.0	0.0842	99.2	70-130		20	
Iron	20.6	1.0	mg/L	20.0	0.180	102	70-130		20	
Chromium	1.02	0.050	mg/L	1.00	ND	102	70-130		20	
Matrix Spike (U5K0606-MS2)		**Source: BK05056-01**		Prepared: 11/09/15 Analyzed: 11/11/15						
Aluminum	2.14	0.10	mg/L	2.00	0.0548	104	70-130		20	
Arsenic	0.389	0.020	mg/L	0.400	0.0120	94.2	70-130		20	
Iron	4.38	0.20	mg/L	4.00	0.204	104	70-130		20	
Barium	0.507	0.020	mg/L	0.400	0.0933	104	70-130		20	
Lead	0.209	0.010	mg/L	0.200	ND	105	70-130		20	
Selenium	0.736	0.040	mg/L	0.800	0.00394	91.5	70-130		20	
Nickel	0.210	0.010	mg/L	0.200	0.000985	105	70-130		20	
Molybdenum	0.981	0.010	mg/L	0.200	0.775	103	70-130		20	

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3580 S. Frank	Project Number: Georgia Pacific	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/8/2015

Metals - Totals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5K0606 - EPA 200.7										
Matrix Spike (U5K0606-MS2)		**Source: BK05056-01**		Prepared: 11/09/15 Analyzed: 11/11/15						
Silver	0.200	0.010	mg/L	0.200	ND	99.8	70-130		20	
Boron	2.18	0.10	mg/L	2.00	0.0619	106	70-130		20	
Copper	0.198	0.010	mg/L	0.200	0.0105	93.7	70-130		20	
Chromium	0.207	0.010	mg/L	0.200	0.00907	99.0	70-130		20	
Cadmium	0.0401	0.0020	mg/L	0.0400	ND	100	70-130		20	
Zinc	0.284	0.010	mg/L	0.200	0.0864	99.0	70-130		20	
Matrix Spike Dup (U5K0606-MSD1)		**Source: BK05021-01**		Prepared & Analyzed: 11/09/15						
Selenium	3.87	0.20	mg/L	4.00	ND	96.7	70-130	0.342	20	
Aluminum	10.4	0.50	mg/L	10.0	0.0798	103	70-130	0.126	20	
Lead	0.994	0.050	mg/L	1.00	ND	99.4	70-130	0.517	20	
Cadmium	0.203	0.010	mg/L	0.200	ND	101	70-130	0.965	20	
Molybdenum	0.966	0.050	mg/L	1.00	ND	96.6	70-130	0.234	20	
Boron	10.1	0.50	mg/L	10.0	0.0842	100	70-130	0.884	20	
Zinc	2.15	0.050	mg/L	1.00	1.18	96.4	70-130	0.120	20	
Iron	20.7	1.0	mg/L	20.0	0.180	103	70-130	0.469	20	
Chromium	1.00	0.050	mg/L	1.00	ND	100	70-130	2.33	20	
Barium	2.09	0.10	mg/L	2.00	0.0108	104	70-130	0.681	20	
Copper	0.954	0.050	mg/L	1.00	ND	95.4	70-130	1.74	20	
Silver	1.03	0.050	mg/L	1.00	ND	103	70-130	1.60	20	
Arsenic	1.99	0.10	mg/L	2.00	ND	99.7	70-130	3.70	20	
Nickel	1.05	0.050	mg/L	1.00	ND	105	70-130	1.22	20	
Matrix Spike Dup (U5K0606-MSD2)		**Source: BK05056-01**		Prepared: 11/09/15 Analyzed: 11/11/15						
Zinc	0.286	0.010	mg/L	0.200	0.0864	99.5	70-130	0.386	20	
Chromium	0.206	0.010	mg/L	0.200	0.00907	98.4	70-130	0.568	20	
Barium	0.506	0.020	mg/L	0.400	0.0933	103	70-130	0.315	20	
Cadmium	0.0399	0.0020	mg/L	0.0400	ND	99.6	70-130	0.553	20	
Boron	2.16	0.10	mg/L	2.00	0.0619	105	70-130	0.816	20	
Copper	0.200	0.010	mg/L	0.200	0.0105	94.8	70-130	1.12	20	
Molybdenum	0.971	0.010	mg/L	0.200	0.775	98.0	70-130	1.03	20	
Selenium	0.730	0.040	mg/L	0.800	0.00394	90.8	70-130	0.793	20	
Nickel	0.210	0.010	mg/L	0.200	0.000985	105	70-130	0.0381	20	
Silver	0.200	0.010	mg/L	0.200	ND	100	70-130	0.416	20	
Arsenic	0.404	0.020	mg/L	0.400	0.0120	98.0	70-130	3.84	20	
Aluminum	2.12	0.10	mg/L	2.00	0.0548	103	70-130	1.20	20	

MOORE TWINING ASSOCIATES, INC.

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

California ELAP Certificate #1371

Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Georgia Pacific	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/8/2015

Metals - Totals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5K0606 - EPA 200.7										
Matrix Spike Dup (U5K0606-MSD2)		**Source: BK05056-01**		Prepared: 11/09/15 Analyzed: 11/11/15						
Iron	4.32	0.20	mg/L	4.00	0.204	103	70-130	1.55	20	
Lead	0.204	0.010	mg/L	0.200	ND	102	70-130	2.62	20	
Batch U5K1901 - EPA 245.2										
Blank (U5K1901-BLK1)				Prepared & Analyzed: 11/19/15						
Mercury	ND	0.20	µg/L							
LCS (U5K1901-BS1)				Prepared & Analyzed: 11/19/15						
Mercury	5.46	0.20	µg/L	5.00		109	80-120		20	
LCS Dup (U5K1901-BSD1)				Prepared & Analyzed: 11/19/15						
Mercury	5.20	0.20	µg/L	5.00		104	80-120	4.90	20	
Matrix Spike (U5K1901-MS1)		**Source: BK09031-01**		Prepared & Analyzed: 11/19/15						
Mercury	165	6.0	µg/L	150	2.09	108	70-130		20	
Matrix Spike (U5K1901-MS2)		**Source: BK12019-01**		Prepared & Analyzed: 11/19/15						
Mercury	165	6.0	µg/L	150	1.34	109	70-130		20	
Matrix Spike Dup (U5K1901-MSD1)		**Source: BK09031-01**		Prepared & Analyzed: 11/19/15						
Mercury	164	6.0	µg/L	150	2.09	108	70-130	0.359	20	
Matrix Spike Dup (U5K1901-MSD2)		**Source: BK12019-01**		Prepared & Analyzed: 11/19/15						
Mercury	163	6.0	µg/L	150	1.34	108	70-130	1.34	20	

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

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Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Georgia Pacific	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/8/2015

Semi-Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5K1303 - EPA 625										
Blank (U5K1303-BLK1)				Prepared: 11/13/15 Analyzed: 11/25/15						
Surrogate: 2-Fluorophenol	*45.4*		*µg/L*	*100*		*45.4*	*22-92*			
Surrogate: Phenol-d5	*31.9*		*µg/L*	*100*		*31.9*	*10-94*			
Surrogate: 2,4,6-Tribromophenol	*72.2*		*µg/L*	*100*		*72.2*	*49-138*			
Phenol	ND	5.0	µg/L							
2-Chlorophenol	ND	5.0	µg/L							
2-Methylphenol	ND	5.0	µg/L							
3-Methylphenol	ND	5.0	µg/L							
4-Methylphenol	ND	5.0	µg/L							
2-Nitrophenol	ND	5.0	µg/L							
2,4-Dimethylphenol	ND	5.0	µg/L							
2,4-Dichlorophenol	ND	5.0	µg/L							
2,6-Dichlorophenol	ND	5.0	µg/L							
4-Chloro-3-methylphenol	ND	5.0	µg/L							
2,4,5-Trichlorophenol	ND	5.0	µg/L							
2,4,6-Trichlorophenol	ND	5.0	µg/L							
2,4-Dinitrophenol	ND	5.0	µg/L							
4-Nitrophenol	ND	5.0	µg/L							
2,3,4,6-Tetrachlorophenol	ND	5.0	µg/L							
4,6-Dinitro-2-methylphenol	ND	5.0	µg/L							
Pentachlorophenol	ND	5.0	µg/L							
LCS (U5K1303-BS1)				Prepared: 11/13/15 Analyzed: 11/25/15						
Surrogate: 2-Fluorophenol	*47.5*		*µg/L*	*100*		*47.5*	*22-92*			
Surrogate: Phenol-d5	*34.3*		*µg/L*	*100*		*34.3*	*10-94*			
Surrogate: 2,4,6-Tribromophenol	*74.2*		*µg/L*	*100*		*74.2*	*49-138*			
Phenol	18.2	5.0	µg/L	50.0		36.5	5-112		20	
2-Chlorophenol	37.8	5.0	µg/L	50.0		75.7	23-134		20	
4-Chloro-3-methylphenol	38.1	5.0	µg/L	50.0		76.2	22-147		20	
LCS Dup (U5K1303-BSD1)				Prepared: 11/13/15 Analyzed: 11/25/15						
Surrogate: 2-Fluorophenol	*52.1*		*µg/L*	*100*		*52.1*	*22-92*			
Surrogate: Phenol-d5	*37.3*		*µg/L*	*100*		*37.3*	*10-94*			
Surrogate: 2,4,6-Tribromophenol	*74.1*		*µg/L*	*100*		*74.1*	*49-138*			
Phenol	20.2	5.0	µg/L	50.0		40.3	5-112	10.1	20	
2-Chlorophenol	40.4	5.0	µg/L	50.0		80.8	23-134	6.56	20	

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California ELAP Certificate #1371

Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Georgia Pacific	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/8/2015

Semi-Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5K1303 - EPA 625										
LCS Dup (U5K1303-BSD1)				Prepared: 11/13/15 Analyzed: 11/25/15						
4-Chloro-3-methylphenol	40.3	5.0	µg/L	50.0		80.5	22-147	5.49	20	
Batch U5K1822 - EPA 1664A										
Blank (U5K1822-BLK1)				Prepared: 11/18/15 Analyzed: 11/19/15						
Total Oil & Grease (HEM)	ND	1.0	mg/L							
LCS (U5K1822-BS1)				Prepared: 11/18/15 Analyzed: 11/19/15						
Total Oil & Grease (HEM)	38.8	1.0	mg/L	40.0		96.9	78-114		20	
LCS Dup (U5K1822-BSD1)				Prepared: 11/18/15 Analyzed: 11/19/15						
Total Oil & Grease (HEM)	37.8	1.0	mg/L	40.0		94.5	78-114	2.48	20	

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Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Georgia Pacific	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/8/2015

Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5K1312 - EPA 624										
Blank (U5K1312-BLK1)				Prepared & Analyzed: 11/13/15						
Surrogate: 4-Bromofluorobenzene	*24.7*		*µg/L*	*25.0*		*99.0*	*70-130*			
Surrogate: Dibromofluoromethane	*26.5*		*µg/L*	*25.0*		*106*	*70-130*			
Surrogate: Toluene-d8	*24.6*		*µg/L*	*25.0*		*98.6*	*70-130*			
Chloromethane	ND	0.50	µg/L							
Vinyl chloride	ND	0.50	µg/L							
Bromomethane	ND	1.0	µg/L							
Chloroethane	ND	0.50	µg/L							
Trichlorofluoromethane (CFC-11)	ND	0.50	µg/L							
Trichlorotrifluoroethane (CFC-113)	ND	1.0	µg/L							
1,1-Dichloroethene	ND	0.50	µg/L							
Acrolein	ND	10	µg/L							
Methylene chloride	ND	1.0	µg/L							
trans-1,2-Dichloroethene	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
Acrylonitrile	ND	5.0	µg/L							
cis-1,2-Dichloroethene	ND	0.50	µg/L							
Chloroform	ND	0.50	µg/L							
Carbon tetrachloride	ND	0.50	µg/L							
1,1,1-Trichloroethane (TCA)	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
Benzene	ND	0.50	µg/L							
1,2-Dichloroethane (1,2-DCA)	ND	0.50	µg/L							
Trichloroethene (TCE)	ND	0.50	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
2-Chloroethylvinyl ether	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
Toluene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Tetrachloroethene (PCE)	ND	0.50	µg/L							
1,1,2-Trichloroethane	ND	0.50	µg/L							
Dibromochloromethane	ND	0.50	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							

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California ELAP Certificate #1371

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Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Georgia Pacific	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/8/2015

Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5K1312 - EPA 624										
Blank (U5K1312-BLK1)				Prepared & Analyzed: 11/13/15						
Ethylbenzene	ND	0.50	µg/L							
Chlorobenzene	ND	0.50	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
m,p-Xylene	ND	1.0	µg/L							
o-Xylene	ND	0.50	µg/L							
Styrene	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	1.0	µg/L							
1,2,3-Trichloropropane (123TCP)	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	1.0	µg/L							
Naphthalene	ND	0.50	µg/L							
Xylenes	ND	2.0	µg/L							
LCS (U5K1312-BS1)				Prepared & Analyzed: 11/13/15						
Surrogate: 4-Bromofluorobenzene	*24.7*		*µg/L*	*25.0*		*99.0*	*70-130*			
Surrogate: Dibromofluoromethane	*26.7*		*µg/L*	*25.0*		*107*	*70-130*			
Surrogate: Toluene-d8	*24.8*		*µg/L*	*25.0*		*99.1*	*70-130*			
1,1-Dichloroethene	20.5	0.50	µg/L	19.8		104	70-130		20	
Benzene	20.3	0.50	µg/L	20.0		102	70-130		20	
Trichloroethene (TCE)	18.6	0.50	µg/L	20.0		93.1	70-130		20	
Toluene	19.2	0.50	µg/L	19.9		96.7	70-130		20	
Chlorobenzene	18.8	0.50	µg/L	20.0		94.2	70-130		20	
LCS Dup (U5K1312-BSD1)				Prepared & Analyzed: 11/13/15						
Surrogate: 4-Bromofluorobenzene	*24.9*		*µg/L*	*25.0*		*99.6*	*70-130*			
Surrogate: Dibromofluoromethane	*26.5*		*µg/L*	*25.0*		*106*	*70-130*			
Surrogate: Toluene-d8	*25.0*		*µg/L*	*25.0*		*100*	*70-130*			
1,1-Dichloroethene	19.9	0.50	µg/L	19.8		100	70-130	3.12	20	
Benzene	20.1	0.50	µg/L	20.0		101	70-130	1.19	20	
Trichloroethene (TCE)	18.3	0.50	µg/L	20.0		91.6	70-130	1.68	20	
Toluene	18.9	0.50	µg/L	19.9		95.0	70-130	1.78	20	
Chlorobenzene	18.5	0.50	µg/L	20.0		92.4	70-130	1.93	20	

MOORE TWINING ASSOCIATES, INC

CHAIN OF CUSTODY/ANALYSIS REQUEST

2527 FRESNO STREET • FRESNO, CA 93721 • PHONE (559) 268-7021 • FAX: (559) 268-0740

ANALYTICAL CHEMISTRY DIVISION
CALIFORNIA ELAP CERTIFICATION # 1371

WORK ORDER #: BK050575
PAGE 1 OF 2

ATTENTION: Jim Anderson	ATTENTION:
NAME: Malaga County Water District	NAME:
ADDRESS: 3580 S. Frank	ADDRESS:
Fresno, CA 93725	
PHONE: (559) 485-7353	PHONE:
FAX: (559) 495-1070	FAX:

☐ STANDARD FORMAT
☐ EDT (STATE FORM)
☐ GEOTRACKER/COELT (LUFT)
☐ PDF ☐ EXCEL
☐ County DHS :
☐ Environmental Health Agency :
☐ OTHER:

SAMPLE INFORMATION

SAMPLED BY (PRINT): Thomas Sophongsay
SIGNATURE:

☐ PUBLIC SYSTEM ☑ ROUTINE
☐ PRIVATE WELL ☐ REPEAT
☐ OTHER ☐ REPLACEMENT

TURN AROUND TIME: ☐ RUSH, DUE ON:
☑ STANDARD

SAMPLE TYPES:

SOLID:
BS – BIOSOLID
CR – CERAMIC
SL – SOIL/SOLID

LIQUID:
DW – DRINKING WATER
GW – GROUND WATER
OL – OIL
SF – SURFACE WATER
ST – STORM WATER
WW – WASTE WATER

PROJECT INFORMATION

CONTRACT/P.O. NO.:
PROJECT: Local Limits Testing
PROJECT NUMBER: Georgia Pacific

ANALYSIS REQUESTED

LAB USE

NOTES ON RECEIVED CONDITION:
☐ CUSTODY SEAL(S) BROKEN ☐ SAMPLE(S) DAMAGED
☐ ON ICE ☐ AMBIENT TEMP. ☐ INCORRECT PRESERVATION

	CLIENT SAMPLE ID	DATE	TIME	TYPE	As, Al, Ba, B, Cd, Cu, Cr, Fe	Hg, Mo, Ni, Pb, Ag, Se, Zn	Ec, BOD, TSS	Ammonia, TKP	Cl, NO3-N, NO2-N, TDS, MBAS	EPA 624 Benzene	EPA 625 Phenols	EPA 1664 Oil and Grease	Cyanide		
1	GP110415G	Start: 11/04/15 End:	Start: 10:20 End:	WW Gr	X	X	X	X	X	X	X	X	X		
2				WW Gr						X	X	X	X		

Comments:

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY
Thomas Sophongsay	Malaga	11/5/15	1020	[illegible]	MTA

FL-SC-0005-02

Sample Integrity

Page 2 of 2

Moore Twining Associates

WO# BK05055

MTA Bottles: Yes or No

COC Info

Was temperature within range? Chemistry ≤6°C Micro <10°C Temp_____°C	Yes No N/A	Did all bottle labels agree with COC?	Yes No N/A
If samples were taken today, is there evidence that chilling has begun? Recvd_____C°	Yes No N/A	Was a sufficient amount of sample received?	Yes No N/A
Did all bottles arrive unbroken and intact?	Yes No N/A	Were correct containers and preservatives received for the tests requested?	Yes No N/A
Do samples have a hold time <72 hours?	Yes No N/A		

Were there bubbles in VOA vials? (**Volatiles Only**)	Yes No N/A
Was PM notified of discrepancies? PM: By/Time:	Yes No N/A

Bottles Received

125ml (A) 250ml (B) 1Liter (C) 40ml VOA (V)		
Bacti $Na_2S_2O_3$	1	
None (P)	3c	
Cr6 Buffer (P) Borate Carbonate Buffer		
HNO_3 (P)	1h	
H_2SO_4 (P)	1h	
NaOH (P)		
NaOH+ZnAc (P)		
Dissolved Oxygen 300ml (P)		
None (AG)		
None (CG) 500ml		
$Na_2S_2O_3$ 250ml (Brown P) 549		
$Na_2S_2O_3$ (AG)		
$Na_2S_2O_3$ (AG)		
Thio/K Citrate		
NH_4Cl (AG) 552		
HCl (AG)		
None (CG) 500ml		
H_3PO_4 (AG)		
Other:		
Plastic Bag		
Low Level Hg/Metals Double Bag		
Client Own		
Glass Jar: 125/ 250/ 500		
Soil Tube: Brass/ Steel/ Plastic		
5 g Encore		

Comments

Filter or Split

	Container	Preservative	Date/Time/Initials
S P F			
S P F			
S P F			
S P F			
S P F			

Labeled by: [illegible] @ 1058

Labels checked by: [illegible] @ 1700

FL-SC-0003-06

SIU Annual Sampling Results: Air Products & Chemicals

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
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December 08, 2015

Work Order #: BK05056

Jim Anderson
Malaga County Water District
3580 S. Frank
Fresno, CA 93725

RE: Local Limits Testing

Enclosed are the analytical results for samples received by our laboratory on 11/05/15 . For your reference, these analyses have been assigned laboratory work order number BK05056 .

All analyses have been performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, Moore Twining Associates, Inc. (MTA) is not responsible for use of less than complete reports. Results apply only to samples analyzed.

If you have any questions, please feel free to contact us at the number listed above.

Sincerely,

Moore Twining Associates, Inc.

Lisa Montijo

Lisa Montijo
Client Services Representative

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
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Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Air Products	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/8/2015

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
AP110515TPC	BK05056-01	Waste Water	11/05/15 15:15	11/05/15 16:20
AP1100515G	BK05056-02	Waste Water	11/05/15 15:15	11/05/15 16:20

MOORE TWINING ASSOCIATES, INC.

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California ELAP Certificate #1371

Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Air Products	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/8/2015

AP110515TPC

BK05056-01 (Waste Water) Sampled:11/05/15 15:15

Analyte	Flag	Result	Reporting Limit	MDL	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Method
Inorganics											
Ammonia as N	J	**0.28**	1.0	0.038	mg/L	1	U5K0902	MPA	11/9/15 8:20	11/9/15 15:48	EPA 350.1
Biochemical Oxygen Demand		**19**	3.0	3.0	mg/L	3	U5K0608	CMG	11/6/15 9:21	11/11/15 14:38	SM5210B
Chloride		**22**	4.0	0.037	mg/L	2	U5K0525	ETH	11/5/15 16:56	11/6/15 5:18	EPA 300.0
Specific Conductance (EC)		**870**	1.0	0.26	µS/cm	1	U5K1025	CMG	11/10/15 22:22	11/10/15 22:22	SM2510B
Methylene Blue Active Substances		**0.12**	0.050	0.031	mg/L	1	U5K0602	MPA	11/6/15 8:01	11/6/15 11:43	SM5540C
Nitrate as Nitrogen		**7.0**	0.90	0.0080	mg/L	2	[CALC]	ETH	11/6/15 5:18	11/6/15 5:18	EPA 300.0
Nitrate + Nitrite as N		**7.0**	1.5	0.029	mg/L	2	[CALC]	ETH	11/6/15 5:18	11/6/15 5:18	[CALC]
Nitrate as Nitrogen		**7.0**	0.90	0.0080	mg/L	2	[CALC]	ETH	11/6/15 5:18	11/6/15 5:18	[CALC]
Nitrate as NO3		**31**	4.0	0.035	mg/L	2	U5K0525	ETH	11/5/15 16:56	11/6/15 5:18	EPA 300.0
Nitrite as N		ND	0.60	0.021	mg/L	2	U5K0525	ETH	11/5/15 16:56	11/6/15 5:18	EPA 300.0
Phosphorus		**1.6**	0.50	0.011	mg/L	1	U5L0306	MPA	12/3/15 8:43	12/4/15 15:36	EPA 365.4
Total Dissolved Solids		**640**	10	8.1	mg/L	1	U5K0909	MVY	11/9/15 10:01	11/10/15 13:10	SM 2540C
Total Suspended Solids	J	**2.8**	4.0	0.23	mg/L	1	U5K1006	MVY	11/10/15 9:27	11/10/15 15:50	SM 2540D
Metals - Totals											
Aluminum		**0.055**	0.050	0.0072	mg/L	1	U5K0606	DAR	11/9/15 11:40	11/11/15 10:17	EPA 200.7
Arsenic		**0.012**	0.010	0.0023	mg/L	1	U5K0606	DAR	11/9/15 11:40	11/11/15 10:17	EPA 200.7
Barium		**0.093**	0.010	0.00013	mg/L	1	U5K0606	DAR	11/9/15 11:40	11/11/15 10:17	EPA 200.7
Boron		**0.062**	0.050	0.00083	mg/L	1	U5K0606	DAR	11/9/15 11:40	11/11/15 10:17	EPA 200.7
Cadmium		ND	0.0010	0.00020	mg/L	1	U5K0606	DAR	11/9/15 11:40	11/11/15 10:17	EPA 200.7
Chromium		**0.0091**	0.0050	0.00091	mg/L	1	U5K0606	DAR	11/9/15 11:40	11/11/15 10:17	EPA 200.7
Copper		**0.011**	0.0050	0.00095	mg/L	1	U5K0606	DAR	11/9/15 11:40	11/11/15 10:17	EPA 200.7
Iron		**0.20**	0.10	0.017	mg/L	1	U5K0606	DAR	11/9/15 11:40	11/11/15 10:17	EPA 200.7
Lead		ND	0.0050	0.0014	mg/L	1	U5K0606	DAR	11/9/15 11:40	11/11/15 10:17	EPA 200.7
Mercury		ND	0.20	0.035	µg/L	1	U5K1901	JTN	11/19/15 6:28	11/19/15 12:55	EPA 245.2
Molybdenum		**0.78**	0.0050	0.00075	mg/L	1	U5K0606	DAR	11/9/15 11:40	11/11/15 10:17	EPA 200.7
Nickel	J	**0.00098**	0.0050	0.00051	mg/L	1	U5K0606	DAR	11/9/15 11:40	11/11/15 10:17	EPA 200.7
Selenium	J	**0.0039**	0.020	0.0018	mg/L	1	U5K0606	DAR	11/9/15 11:40	11/11/15 10:17	EPA 200.7
Silver		ND	0.0050	0.0011	mg/L	1	U5K0606	DAR	11/9/15 11:40	11/11/15 10:17	EPA 200.7
Zinc		**0.086**	0.0050	0.00080	mg/L	1	U5K0606	DAR	11/9/15 11:40	11/11/15 10:17	EPA 200.7

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Air Products	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/8/2015

AP1100515G

BK05056-02 (Waste Water) Sampled:11/05/15 15:15

Analyte	Flag	Result	Reporting Limit	MDL	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Method
Inorganics											
Cyanide (total)		**5.7**	5.0	2.8	µg/L	1	U5K1601	JTN	11/18/15 7:14	11/18/15 13:04	SM4500CN-E
Semi-Volatile Organics											
Phenol		ND	5.0	0.63	µg/L	1	U5K0901	FFP	11/9/15 7:09	11/13/15 3:21	EPA 625
2-Chlorophenol		ND	5.0	0.69	µg/L	1	U5K0901	FFP	11/9/15 7:09	11/13/15 3:21	EPA 625
2-Methylphenol		ND	5.0	0.93	µg/L	1	U5K0901	FFP	11/9/15 7:09	11/13/15 3:21	EPA 625
3-Methylphenol		ND	5.0	0.96	µg/L	1	U5K0901	FFP	11/9/15 7:09	11/13/15 3:21	EPA 625
4-Methylphenol		ND	5.0	1.1	µg/L	1	U5K0901	FFP	11/9/15 7:09	11/13/15 3:21	EPA 625
2-Nitrophenol		ND	5.0	1.3	µg/L	1	U5K0901	FFP	11/9/15 7:09	11/13/15 3:21	EPA 625
2,4-Dimethylphenol		ND	5.0	1.2	µg/L	1	U5K0901	FFP	11/9/15 7:09	11/13/15 3:21	EPA 625
2,4-Dichlorophenol		ND	5.0	0.79	µg/L	1	U5K0901	FFP	11/9/15 7:09	11/13/15 3:21	EPA 625
2,6-Dichlorophenol		ND	5.0	0.59	µg/L	1	U5K0901	FFP	11/9/15 7:09	11/13/15 3:21	EPA 625
4-Chloro-3-methylphenol		ND	5.0	0.57	µg/L	1	U5K0901	FFP	11/9/15 7:09	11/13/15 3:21	EPA 625
2,4,5-Trichlorophenol		ND	5.0	2.3	µg/L	1	U5K0901	FFP	11/9/15 7:09	11/13/15 3:21	EPA 625
2,4,6-Trichlorophenol		ND	5.0	2.5	µg/L	1	U5K0901	FFP	11/9/15 7:09	11/13/15 3:21	EPA 625
2,4-Dinitrophenol		ND	5.0	1.9	µg/L	1	U5K0901	FFP	11/9/15 7:09	11/13/15 3:21	EPA 625
4-Nitrophenol		ND	5.0	1.6	µg/L	1	U5K0901	FFP	11/9/15 7:09	11/13/15 3:21	EPA 625
2,3,4,6-Tetrachlorophenol		ND	5.0	0.59	µg/L	1	U5K0901	FFP	11/9/15 7:09	11/13/15 3:21	EPA 625
4,6-Dinitro-2-methylphenol		ND	5.0	0.51	µg/L	1	U5K0901	FFP	11/9/15 7:09	11/13/15 3:21	EPA 625
Pentachlorophenol		ND	5.0	1.3	µg/L	1	U5K0901	FFP	11/9/15 7:09	11/13/15 3:21	EPA 625
Surrogate: 2-Fluorophenol		*35.1 %*	*22-92*				*U5K0901*		11/9/15 7:09	11/13/15 3:21	*EPA 625*
Surrogate: Phenol-d5		*23.7 %*	*10-94*				*U5K0901*		11/9/15 7:09	11/13/15 3:21	*EPA 625*
Surrogate: 2,4,6-Tribromophenol		*53.1 %*	*49-138*				*U5K0901*		11/9/15 7:09	11/13/15 3:21	*EPA 625*
Total Oil & Grease (HEM)		ND	1.0	0.17	mg/L	1	U5K1822	BBA	11/18/15 17:25	11/19/15 18:00	EPA 1664A
Volatile Organics											
Chloromethane		**0.63**	0.50	0.16	µg/L	1	U5K0905	GAB	11/9/15 10:27	11/9/15 14:24	EPA 624
Vinyl chloride		ND	0.50	0.16	µg/L	1	U5K0905	GAB	11/9/15 10:27	11/9/15 14:24	EPA 624
Bromomethane		ND	1.0	0.32	µg/L	1	U5K0905	GAB	11/9/15 10:27	11/9/15 14:24	EPA 624
Chloroethane		ND	0.50	0.16	µg/L	1	U5K0905	GAB	11/9/15 10:27	11/9/15 14:24	EPA 624
Trichlorofluoromethane (CFC-11)		ND	0.50	0.13	µg/L	1	U5K0905	GAB	11/9/15 10:27	11/9/15 14:24	EPA 624
Trichlorotrifluoroethane (CFC-113)		ND	1.0	0.11	µg/L	1	U5K0905	GAB	11/9/15 10:27	11/9/15 14:24	EPA 624
1,1-Dichloroethene		ND	0.50	0.14	µg/L	1	U5K0905	GAB	11/9/15 10:27	11/9/15 14:24	EPA 624
Acrolein		ND	10	1.5	µg/L	1	U5K0905	GAB	11/9/15 10:27	11/9/15 14:24	EPA 624
Methylene chloride		ND	1.0	0.20	µg/L	1	U5K0905	GAB	11/9/15 10:27	11/9/15 14:24	EPA 624

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Air Products	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/8/2015

AP1100515G

BK05056-02 (Waste Water) Sampled:11/05/15 15:15

Analyte	Flag	Result	Reporting Limit	MDL	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Method
Volatile Organics											
trans-1,2-Dichloroethene		ND	0.50	0.11	µg/L	1	U5K0905	GAB	11/9/15 10:27	11/9/15 14:24	EPA 624
Methyl tert-Butyl Ether (MTBE)		ND	1.0	0.36	µg/L	1	U5K0905	GAB	11/9/15 10:27	11/9/15 14:24	EPA 624
1,1-Dichloroethane		ND	0.50	0.12	µg/L	1	U5K0905	GAB	11/9/15 10:27	11/9/15 14:24	EPA 624
Acrylonitrile		ND	5.0	2.9	µg/L	1	U5K0905	GAB	11/9/15 10:27	11/9/15 14:24	EPA 624
cis-1,2-Dichloroethene		ND	0.50	0.15	µg/L	1	U5K0905	GAB	11/9/15 10:27	11/9/15 14:24	EPA 624
Chloroform		ND	0.50	0.14	µg/L	1	U5K0905	GAB	11/9/15 10:27	11/9/15 14:24	EPA 624
Carbon tetrachloride		ND	0.50	0.16	µg/L	1	U5K0905	GAB	11/9/15 10:27	11/9/15 14:24	EPA 624
1,1,1-Trichloroethane (TCA)		ND	0.50	0.16	µg/L	1	U5K0905	GAB	11/9/15 10:27	11/9/15 14:24	EPA 624
1,1-Dichloropropene		ND	0.50	0.12	µg/L	1	U5K0905	GAB	11/9/15 10:27	11/9/15 14:24	EPA 624
Benzene		ND	0.50	0.10	µg/L	1	U5K0905	GAB	11/9/15 10:27	11/9/15 14:24	EPA 624
1,2-Dichloroethane (1,2-DCA)		ND	0.50	0.10	µg/L	1	U5K0905	GAB	11/9/15 10:27	11/9/15 14:24	EPA 624
Trichloroethene (TCE)		ND	0.50	0.17	µg/L	1	U5K0905	GAB	11/9/15 10:27	11/9/15 14:24	EPA 624
1,2-Dichloropropane		ND	0.50	0.10	µg/L	1	U5K0905	GAB	11/9/15 10:27	11/9/15 14:24	EPA 624
Bromodichloromethane		ND	0.50	0.13	µg/L	1	U5K0905	GAB	11/9/15 10:27	11/9/15 14:24	EPA 624
2-Chloroethylvinyl ether		ND	1.0	0.33	µg/L	1	U5K0905	GAB	11/9/15 10:27	11/9/15 14:24	EPA 624
cis-1,3-Dichloropropene		ND	0.50	0.11	µg/L	1	U5K0905	GAB	11/9/15 10:27	11/9/15 14:24	EPA 624
Toluene		ND	0.50	0.27	µg/L	1	U5K0905	GAB	11/9/15 10:27	11/9/15 14:24	EPA 624
trans-1,3-Dichloropropene		ND	0.50	0.14	µg/L	1	U5K0905	GAB	11/9/15 10:27	11/9/15 14:24	EPA 624
Tetrachloroethene (PCE)		ND	0.50	0.12	µg/L	1	U5K0905	GAB	11/9/15 10:27	11/9/15 14:24	EPA 624
1,1,2-Trichloroethane		ND	0.50	0.12	µg/L	1	U5K0905	GAB	11/9/15 10:27	11/9/15 14:24	EPA 624
Dibromochloromethane		ND	0.50	0.11	µg/L	1	U5K0905	GAB	11/9/15 10:27	11/9/15 14:24	EPA 624
1,2-Dibromoethane (EDB)		ND	0.50	0.22	µg/L	1	U5K0905	GAB	11/9/15 10:27	11/9/15 14:24	EPA 624
Ethylbenzene		ND	0.50	0.10	µg/L	1	U5K0905	GAB	11/9/15 10:27	11/9/15 14:24	EPA 624
Chlorobenzene		ND	0.50	0.10	µg/L	1	U5K0905	GAB	11/9/15 10:27	11/9/15 14:24	EPA 624
1,1,1,2-Tetrachloroethane		ND	0.50	0.12	µg/L	1	U5K0905	GAB	11/9/15 10:27	11/9/15 14:24	EPA 624
m,p-Xylene		ND	1.0	0.20	µg/L	1	U5K0905	GAB	11/9/15 10:27	11/9/15 14:24	EPA 624
o-Xylene		ND	0.50	0.10	µg/L	1	U5K0905	GAB	11/9/15 10:27	11/9/15 14:24	EPA 624
Styrene		ND	0.50	0.10	µg/L	1	U5K0905	GAB	11/9/15 10:27	11/9/15 14:24	EPA 624
Bromoform		ND	1.0	0.12	µg/L	1	U5K0905	GAB	11/9/15 10:27	11/9/15 14:24	EPA 624
1,1,2,2-Tetrachloroethane		ND	1.0	0.21	µg/L	1	U5K0905	GAB	11/9/15 10:27	11/9/15 14:24	EPA 624
1,2,3-Trichloropropane (123TCP)		ND	0.50	0.29	µg/L	1	U5K0905	GAB	11/9/15 10:27	11/9/15 14:24	EPA 624
1,3-Dichlorobenzene		ND	0.50	0.040	µg/L	1	U5K0905	GAB	11/9/15 10:27	11/9/15 14:24	EPA 624
1,4-Dichlorobenzene		ND	0.50	0.10	µg/L	1	U5K0905	GAB	11/9/15 10:27	11/9/15 14:24	EPA 624
1,2-Dichlorobenzene		ND	0.50	0.12	µg/L	1	U5K0905	GAB	11/9/15 10:27	11/9/15 14:24	EPA 624

MOORE TWINING ASSOCIATES, INC.

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California ELAP Certificate #1371

Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Air Products	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/8/2015

AP1100515G

BK05056-02 (Waste Water) Sampled:11/05/15 15:15

Analyte	Flag	Result	Reporting Limit	MDL	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Method
Volatile Organics											
1,2,4-Trichlorobenzene		ND	1.0	0.10	µg/L	1	U5K0905	GAB	11/9/15 10:27	11/9/15 14:24	EPA 624
Hexachlorobutadiene		ND	1.0	0.10	µg/L	1	U5K0905	GAB	11/9/15 10:27	11/9/15 14:24	EPA 624
Naphthalene		ND	0.50	0.15	µg/L	1	U5K0905	GAB	11/9/15 10:27	11/9/15 14:24	EPA 624
Xylenes		ND	2.0		µg/L	1	U5K0905	GAB	11/9/15 10:27	11/9/15 14:24	EPA 624
Surrogate: 4-Bromofluorobenzene		*99.4 %*	*70-130*				*U5K0905*		11/9/15 10:27	11/9/15 14:24	*EPA 624*
Surrogate: Dibromofluoromethane		*103 %*	*70-130*				*U5K0905*		11/9/15 10:27	11/9/15 14:24	*EPA 624*
Surrogate: Toluene-d8		*99.5 %*	*70-130*				*U5K0905*		11/9/15 10:27	11/9/15 14:24	*EPA 624*

Notes and Definitions

MS3	Recovery for this analyte was biased low; associated blank spike recoveries are within range.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag). Same as DNQ - Detected, but Not Quantified.
ug/L	micrograms per liter (parts per billion concentration units)
mg/kg	milligrams per kilogram (parts per million concentration units)
mg/L	milligrams per Liter (parts per million concentration units)
ND	Analyte NOT DETECTED at or above the Minimum Detection Limit (MDL)
RPD	Relative Percent Difference

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Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Air Products	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/8/2015

Inorganics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5K0525 - EPA 300.0										
Blank (U5K0525-BLK1)				Prepared & Analyzed: 11/05/15						
Nitrite as N	ND	0.30	mg/L							
Chloride	ND	2.0	mg/L							
Nitrate as NO3	ND	2.0	mg/L							
LCS (U5K0525-BS1)				Prepared & Analyzed: 11/05/15						
Nitrite as N	4.93	0.30	mg/L	5.00		98.5	90-110		20	
Chloride	49.1	2.0	mg/L	50.0		98.2	90-110		20	
Nitrate as NO3	48.9	2.0	mg/L	50.0		97.7	90-110		20	
LCS Dup (U5K0525-BSD1)				Prepared & Analyzed: 11/05/15						
Nitrite as N	4.97	0.30	mg/L	5.00		99.5	90-110	0.978	20	
Chloride	49.3	2.0	mg/L	50.0		98.7	90-110	0.530	20	
Nitrate as NO3	48.8	2.0	mg/L	50.0		97.7	90-110	0.0561	20	
Matrix Spike (U5K0525-MS1)		**Source: BK05023-04**		Prepared: 11/05/15 Analyzed: 11/06/15						
Nitrite as N	19.3	1.2	mg/L	20.0	ND	96.6	80-120		20	
Chloride	201	8.0	mg/L	200	9.17	95.9	48-147		15	
Nitrate as NO3	338	8.0	mg/L	200	149	94.9	70-130		20	
Matrix Spike (U5K0525-MS2)		**Source: BK05044-02**		Prepared: 11/05/15 Analyzed: 11/06/15						
Nitrite as N	18.9	1.2	mg/L	20.0	ND	94.3	80-120		20	
Chloride	219	8.0	mg/L	200	33.1	93.1	48-147		15	
Nitrate as NO3	214	8.0	mg/L	200	19.5	97.4	70-130		20	
Matrix Spike Dup (U5K0525-MSD1)		**Source: BK05023-04**		Prepared: 11/05/15 Analyzed: 11/06/15						
Nitrite as N	19.3	1.2	mg/L	20.0	ND	96.7	80-120	0.143	20	
Chloride	200	8.0	mg/L	200	9.17	95.5	48-147	0.364	15	
Nitrate as NO3	336	8.0	mg/L	200	149	93.8	70-130	0.618	20	
Matrix Spike Dup (U5K0525-MSD2)		**Source: BK05044-02**		Prepared: 11/05/15 Analyzed: 11/06/15						
Nitrite as N	18.8	1.2	mg/L	20.0	ND	94.1	80-120	0.191	20	
Chloride	217	8.0	mg/L	200	33.1	92.0	48-147	1.02	15	
Nitrate as NO3	210	8.0	mg/L	200	19.5	95.1	70-130	2.21	20	
Batch U5K0602 - SM5540C										
Blank (U5K0602-BLK1)				Prepared & Analyzed: 11/06/15						
Methylene Blue Active Substances	ND	0.050	mg/L							
LCS (U5K0602-BS1)				Prepared & Analyzed: 11/06/15						

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California ELAP Certificate #1371

Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Air Products	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/8/2015

Inorganics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5K0602 - SM5540C										
LCS (U5K0602-BS1)				Prepared & Analyzed: 11/06/15						
Methylene Blue Active Substances	1.05	0.050	mg/L	1.00		105	80-120		20	
LCS Dup (U5K0602-BSD1)				Prepared & Analyzed: 11/06/15						
Methylene Blue Active Substances	1.07	0.050	mg/L	1.00		107	80-120	1.80	20	
Matrix Spike (U5K0602-MS1)		**Source: BK05057-01**		Prepared & Analyzed: 11/06/15						
Methylene Blue Active Substances	1.92	0.50	mg/L	1.00	1.06	85.1	80-120		20	
Matrix Spike Dup (U5K0602-MSD1)		**Source: BK05057-01**		Prepared & Analyzed: 11/06/15						
Methylene Blue Active Substances	1.84	0.50	mg/L	1.00	1.06	77.5	80-120	4.05	20	MS3
Batch U5K0608 - SM5210B										
Blank (U5K0608-BLK1)				Prepared: 11/06/15 Analyzed: 11/11/15						
Biochemical Oxygen Demand	ND	1.0	mg/L							
LCS (U5K0608-BS1)				Prepared: 11/06/15 Analyzed: 11/11/15						
Biochemical Oxygen Demand	169	50	mg/L	198		85.5	85-115		20	
LCS Dup (U5K0608-BSD1)				Prepared: 11/06/15 Analyzed: 11/11/15						
Biochemical Oxygen Demand	171	50	mg/L	198		86.5	85-115	1.17	20	
Duplicate (U5K0608-DUP1)		**Source: BK05048-01**		Prepared: 11/06/15 Analyzed: 11/11/15						
Biochemical Oxygen Demand	788	300	mg/L		791			0.380	20	
Duplicate (U5K0608-DUP2)		**Source: BK06004-01**		Prepared: 11/06/15 Analyzed: 11/11/15						
Biochemical Oxygen Demand	261	100	mg/L		292			11.2	20	
Batch U5K0902 - EPA 350.1										
Blank (U5K0902-BLK1)				Prepared & Analyzed: 11/09/15						
Ammonia as N	ND	1.0	mg/L							
LCS (U5K0902-BS1)				Prepared & Analyzed: 11/09/15						
Ammonia as N	22.1	1.0	mg/L	22.5		98.4	80-120		20	
LCS Dup (U5K0902-BSD1)				Prepared & Analyzed: 11/09/15						
Ammonia as N	22.3	1.0	mg/L	22.5		99.0	80-120	0.630	20	
Matrix Spike (U5K0902-MS1)		**Source: BK06013-01**		Prepared & Analyzed: 11/09/15						
Ammonia as N	24.0	1.0	mg/L	22.5	0.227	106	80-120		20	
Matrix Spike Dup (U5K0902-MSD1)		**Source: BK06013-01**		Prepared & Analyzed: 11/09/15						
Ammonia as N	22.6	1.0	mg/L	22.5	0.227	99.3	80-120	6.26	20	

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Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Air Products	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/8/2015

Inorganics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5K0909 - SM 2540C										
Blank (U5K0909-BLK1)				Prepared: 11/09/15 Analyzed: 11/10/15						
Total Dissolved Solids	ND	10	mg/L							
LCS (U5K0909-BS1)				Prepared: 11/09/15 Analyzed: 11/10/15						
Total Dissolved Solids	242	10	mg/L	240		101	80-120		20	
LCS Dup (U5K0909-BSD1)				Prepared: 11/09/15 Analyzed: 11/10/15						
Total Dissolved Solids	244	10	mg/L	240		101	80-120	0.618	20	
Duplicate (U5K0909-DUP1)		**Source: BK04046-01**		Prepared: 11/09/15 Analyzed: 11/10/15						
Total Dissolved Solids	472	10	mg/L		471			0.106	20	
Duplicate (U5K0909-DUP2)		**Source: BK04047-01**		Prepared: 11/09/15 Analyzed: 11/10/15						
Total Dissolved Solids	3180	40	mg/L		3420			7.27	20	
Batch U5K1006 - SM 2540D										
Blank (U5K1006-BLK1)				Prepared & Analyzed: 11/10/15						
Total Suspended Solids	ND	4.0	mg/L							
Duplicate (U5K1006-DUP1)		**Source: BK06005-01**		Prepared & Analyzed: 11/10/15						
Total Suspended Solids	220	100	mg/L		220			2.25	20	
Duplicate (U5K1006-DUP2)		**Source: BK06005-02**		Prepared & Analyzed: 11/10/15						
Total Suspended Solids	150	100	mg/L		180			18.2	20	
Batch U5K1025 - SM2510B										
Blank (U5K1025-BLK1)				Prepared & Analyzed: 11/10/15						
Specific Conductance (EC)	ND	1.0	µS/cm							
LCS (U5K1025-BS1)				Prepared & Analyzed: 11/10/15						
Specific Conductance (EC)	524	1.0	µS/cm	500		105	80-120		20	
LCS Dup (U5K1025-BSD1)				Prepared & Analyzed: 11/10/15						
Specific Conductance (EC)	524	1.0	µS/cm	500		105	80-120	0.00	20	
Duplicate (U5K1025-DUP1)		**Source: BK05024-01**		Prepared & Analyzed: 11/10/15						
Specific Conductance (EC)	838	1.0	µS/cm		840			0.242	20	
Duplicate (U5K1025-DUP2)		**Source: BK06020-01**		Prepared & Analyzed: 11/10/15						
Specific Conductance (EC)	686	1.0	µS/cm		685			0.147	20	
Batch U5K1601 - SM4500CN-E										
Blank (U5K1601-BLK1)				Prepared & Analyzed: 11/18/15						

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Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Air Products	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/8/2015

Inorganics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5K1601 - SM4500CN-E										
Cyanide (total)	ND	5.0	µg/L							
LCS (U5K1601-BS1)				Prepared & Analyzed: 11/18/15						
Cyanide (total)	51.2	5.0	µg/L	50.0		102	80-120		20	
LCS Dup (U5K1601-BSD1)				Prepared & Analyzed: 11/18/15						
Cyanide (total)	49.4	5.0	µg/L	50.0		98.8	80-120	3.58	20	
Matrix Spike (U5K1601-MS1)		**Source: BK05052-01**		Prepared & Analyzed: 11/18/15						
Cyanide (total)	47.1	5.0	µg/L	50.0	ND	94.2	80-120		20	
Matrix Spike Dup (U5K1601-MSD1)		**Source: BK05052-01**		Prepared & Analyzed: 11/18/15						
Cyanide (total)	48.9	5.0	µg/L	50.0	ND	97.8	80-120	3.75	20	
Batch U5L0306 - EPA 365.4										
Blank (U5L0306-BLK1)				Prepared: 12/03/15 Analyzed: 12/04/15						
Phosphorus	ND	0.50	mg/L							
LCS (U5L0306-BS1)				Prepared: 12/03/15 Analyzed: 12/04/15						
Phosphorus	7.57	0.50	mg/L	7.50		101	80-120		20	
LCS Dup (U5L0306-BSD1)				Prepared: 12/03/15 Analyzed: 12/04/15						
Phosphorus	7.25	0.50	mg/L	7.50		96.6	80-120	4.32	20	
Matrix Spike (U5L0306-MS1)		**Source: BK05020-08**		Prepared: 12/03/15 Analyzed: 12/04/15						
Phosphorus	11.2	0.50	mg/L	7.50	4.18	94.0	80-120		20	
Matrix Spike Dup (U5L0306-MSD1)		**Source: BK05020-08**		Prepared: 12/03/15 Analyzed: 12/04/15						
Phosphorus	11.5	0.50	mg/L	7.50	4.18	97.2	80-120	2.10	20	

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3580 S. Frank	Project Number: Air Products	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/8/2015

Metals - Totals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5K0606 - EPA 200.7										
Blank (U5K0606-BLK1)				Prepared & Analyzed: 11/09/15						
Boron	0.00508	0.050	mg/L							J
Cadmium	ND	0.0010	mg/L							
Lead	ND	0.0050	mg/L							
Copper	ND	0.0050	mg/L							
Zinc	ND	0.0050	mg/L							
Molybdenum	0.000855	0.0050	mg/L							J
Selenium	0.00313	0.020	mg/L							J
Silver	ND	0.0050	mg/L							
Aluminum	ND	0.050	mg/L							
Nickel	ND	0.0050	mg/L							
Barium	0.000256	0.010	mg/L							J
Iron	ND	0.10	mg/L							
Arsenic	ND	0.010	mg/L							
Chromium	ND	0.0050	mg/L							
LCS (U5K0606-BS1)				Prepared & Analyzed: 11/09/15						
Lead	0.100	0.0050	mg/L	0.100		100	85-115		20	
Iron	2.01	0.10	mg/L	2.00		101	85-115		20	
Selenium	0.397	0.020	mg/L	0.400		99.3	85-115		20	
Boron	0.976	0.050	mg/L	1.00		97.6	85-115		20	
Zinc	0.101	0.0050	mg/L	0.100		101	85-115		20	
Silver	0.106	0.0050	mg/L	0.100		106	85-115		20	
Molybdenum	0.0985	0.0050	mg/L	0.100		98.5	85-115		20	
Barium	0.208	0.010	mg/L	0.200		104	85-115		20	
Copper	0.0981	0.0050	mg/L	0.100		98.1	85-115		20	
Aluminum	0.991	0.050	mg/L	1.00		99.1	85-115		20	
Cadmium	0.0207	0.0010	mg/L	0.0200		103	85-115		20	
Chromium	0.103	0.0050	mg/L	0.100		103	85-115		20	
Arsenic	0.198	0.010	mg/L	0.200		98.8	85-115		20	
Nickel	0.107	0.0050	mg/L	0.100		107	85-115		20	
LCS Dup (U5K0606-BSD1)				Prepared & Analyzed: 11/09/15						
Lead	0.102	0.0050	mg/L	0.100		102	85-115	2.13	20	
Silver	0.107	0.0050	mg/L	0.100		107	85-115	0.761	20	
Iron	2.09	0.10	mg/L	2.00		105	85-115	4.05	20	
Chromium	0.102	0.0050	mg/L	0.100		102	85-115	1.02	20	

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Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Air Products	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/8/2015

Metals - Totals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5K0606 - EPA 200.7										
LCS Dup (U5K0606-BSD1)				Prepared & Analyzed: 11/09/15						
Aluminum	1.05	0.050	mg/L	1.00		105	85-115	6.07	20	
Selenium	0.395	0.020	mg/L	0.400		98.7	85-115	0.614	20	
Copper	0.0976	0.0050	mg/L	0.100		97.6	85-115	0.548	20	
Molybdenum	0.0986	0.0050	mg/L	0.100		98.6	85-115	0.0621	20	
Nickel	0.106	0.0050	mg/L	0.100		106	85-115	1.30	20	
Zinc	0.102	0.0050	mg/L	0.100		102	85-115	0.369	20	
Cadmium	0.0206	0.0010	mg/L	0.0200		103	85-115	0.224	20	
Boron	1.02	0.050	mg/L	1.00		102	85-115	4.37	20	
Barium	0.208	0.010	mg/L	0.200		104	85-115	0.148	20	
Arsenic	0.195	0.010	mg/L	0.200		97.3	85-115	1.52	20	
Matrix Spike (U5K0606-MS1)		**Source: BK05021-01**		Prepared & Analyzed: 11/09/15						
Selenium	3.88	0.20	mg/L	4.00	ND	97.1	70-130		20	
Nickel	1.06	0.050	mg/L	1.00	ND	106	70-130		20	
Molybdenum	0.964	0.050	mg/L	1.00	ND	96.4	70-130		20	
Zinc	2.15	0.050	mg/L	1.00	1.18	96.6	70-130		20	
Lead	0.999	0.050	mg/L	1.00	ND	99.9	70-130		20	
Aluminum	10.4	0.50	mg/L	10.0	0.0798	103	70-130		20	
Silver	1.04	0.050	mg/L	1.00	ND	104	70-130		20	
Iron	20.6	1.0	mg/L	20.0	0.180	102	70-130		20	
Barium	2.08	0.10	mg/L	2.00	0.0108	103	70-130		20	
Copper	0.971	0.050	mg/L	1.00	ND	97.1	70-130		20	
Boron	10.0	0.50	mg/L	10.0	0.0842	99.2	70-130		20	
Cadmium	0.205	0.010	mg/L	0.200	ND	102	70-130		20	
Chromium	1.02	0.050	mg/L	1.00	ND	102	70-130		20	
Arsenic	1.92	0.10	mg/L	2.00	ND	96.1	70-130		20	
Matrix Spike (U5K0606-MS2)		**Source: BK05056-01**		Prepared: 11/09/15 Analyzed: 11/11/15						
Cadmium	0.0401	0.0020	mg/L	0.0400	ND	100	70-130		20	
Barium	0.507	0.020	mg/L	0.400	0.0933	104	70-130		20	
Nickel	0.210	0.010	mg/L	0.200	0.000985	105	70-130		20	
Arsenic	0.389	0.020	mg/L	0.400	0.0120	94.2	70-130		20	
Zinc	0.284	0.010	mg/L	0.200	0.0864	99.0	70-130		20	
Copper	0.198	0.010	mg/L	0.200	0.0105	93.7	70-130		20	
Molybdenum	0.981	0.010	mg/L	0.200	0.775	103	70-130		20	
Boron	2.18	0.10	mg/L	2.00	0.0619	106	70-130		20	

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Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Air Products	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/8/2015

Metals - Totals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5K0606 - EPA 200.7										
Matrix Spike (U5K0606-MS2)		**Source: BK05056-01**		Prepared: 11/09/15 Analyzed: 11/11/15						
Selenium	0.736	0.040	mg/L	0.800	0.00394	91.5	70-130		20	
Chromium	0.207	0.010	mg/L	0.200	0.00907	99.0	70-130		20	
Silver	0.200	0.010	mg/L	0.200	ND	99.8	70-130		20	
Aluminum	2.14	0.10	mg/L	2.00	0.0548	104	70-130		20	
Iron	4.38	0.20	mg/L	4.00	0.204	104	70-130		20	
Lead	0.209	0.010	mg/L	0.200	ND	105	70-130		20	
Matrix Spike Dup (U5K0606-MSD1)		**Source: BK05021-01**		Prepared & Analyzed: 11/09/15						
Lead	0.994	0.050	mg/L	1.00	ND	99.4	70-130	0.517	20	
Iron	20.7	1.0	mg/L	20.0	0.180	103	70-130	0.469	20	
Arsenic	1.99	0.10	mg/L	2.00	ND	99.7	70-130	3.70	20	
Barium	2.09	0.10	mg/L	2.00	0.0108	104	70-130	0.681	20	
Aluminum	10.4	0.50	mg/L	10.0	0.0798	103	70-130	0.126	20	
Nickel	1.05	0.050	mg/L	1.00	ND	105	70-130	1.22	20	
Copper	0.954	0.050	mg/L	1.00	ND	95.4	70-130	1.74	20	
Selenium	3.87	0.20	mg/L	4.00	ND	96.7	70-130	0.342	20	
Silver	1.03	0.050	mg/L	1.00	ND	103	70-130	1.60	20	
Chromium	1.00	0.050	mg/L	1.00	ND	100	70-130	2.33	20	
Cadmium	0.203	0.010	mg/L	0.200	ND	101	70-130	0.965	20	
Boron	10.1	0.50	mg/L	10.0	0.0842	100	70-130	0.884	20	
Zinc	2.15	0.050	mg/L	1.00	1.18	96.4	70-130	0.120	20	
Molybdenum	0.966	0.050	mg/L	1.00	ND	96.6	70-130	0.234	20	
Matrix Spike Dup (U5K0606-MSD2)		**Source: BK05056-01**		Prepared: 11/09/15 Analyzed: 11/11/15						
Arsenic	0.404	0.020	mg/L	0.400	0.0120	98.0	70-130	3.84	20	
Chromium	0.206	0.010	mg/L	0.200	0.00907	98.4	70-130	0.568	20	
Zinc	0.286	0.010	mg/L	0.200	0.0864	99.5	70-130	0.386	20	
Boron	2.16	0.10	mg/L	2.00	0.0619	105	70-130	0.816	20	
Molybdenum	0.971	0.010	mg/L	0.200	0.775	98.0	70-130	1.03	20	
Copper	0.200	0.010	mg/L	0.200	0.0105	94.8	70-130	1.12	20	
Nickel	0.210	0.010	mg/L	0.200	0.000985	105	70-130	0.0381	20	
Aluminum	2.12	0.10	mg/L	2.00	0.0548	103	70-130	1.20	20	
Lead	0.204	0.010	mg/L	0.200	ND	102	70-130	2.62	20	
Silver	0.200	0.010	mg/L	0.200	ND	100	70-130	0.416	20	
Selenium	0.730	0.040	mg/L	0.800	0.00394	90.8	70-130	0.793	20	
Iron	4.32	0.20	mg/L	4.00	0.204	103	70-130	1.55	20	

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Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Air Products	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/8/2015

Metals - Totals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5K0606 - EPA 200.7										
Matrix Spike Dup (U5K0606-MSD2)		**Source: BK05056-01**		Prepared: 11/09/15 Analyzed: 11/11/15						
Cadmium	0.0399	0.0020	mg/L	0.0400	ND	99.6	70-130	0.553	20	
Barium	0.506	0.020	mg/L	0.400	0.0933	103	70-130	0.315	20	
Batch U5K1901 - EPA 245.2										
Blank (U5K1901-BLK1)				Prepared & Analyzed: 11/19/15						
Mercury	ND	0.20	µg/L							
LCS (U5K1901-BS1)				Prepared & Analyzed: 11/19/15						
Mercury	5.46	0.20	µg/L	5.00		109	80-120		20	
LCS Dup (U5K1901-BSD1)				Prepared & Analyzed: 11/19/15						
Mercury	5.20	0.20	µg/L	5.00		104	80-120	4.90	20	
Matrix Spike (U5K1901-MS1)		**Source: BK09031-01**		Prepared & Analyzed: 11/19/15						
Mercury	165	6.0	µg/L	150	2.09	108	70-130		20	
Matrix Spike (U5K1901-MS2)		**Source: BK12019-01**		Prepared & Analyzed: 11/19/15						
Mercury	165	6.0	µg/L	150	1.34	109	70-130		20	
Matrix Spike Dup (U5K1901-MSD1)		**Source: BK09031-01**		Prepared & Analyzed: 11/19/15						
Mercury	164	6.0	µg/L	150	2.09	108	70-130	0.359	20	
Matrix Spike Dup (U5K1901-MSD2)		**Source: BK12019-01**		Prepared & Analyzed: 11/19/15						
Mercury	163	6.0	µg/L	150	1.34	108	70-130	1.34	20	

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Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Air Products	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/8/2015

Semi-Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5K0901 - EPA 625										
Blank (U5K0901-BLK1)				Prepared: 11/09/15 Analyzed: 11/12/15						
Surrogate: 2-Fluorophenol	*37.4*		*µg/L*	*100*		*37.4*	*22-92*			
Surrogate: Phenol-d5	*26.7*		*µg/L*	*100*		*26.7*	*10-94*			
Surrogate: 2,4,6-Tribromophenol	*57.8*		*µg/L*	*100*		*57.8*	*49-138*			
Phenol	ND	5.0	µg/L							
2-Chlorophenol	ND	5.0	µg/L							
2-Methylphenol	ND	5.0	µg/L							
3-Methylphenol	ND	5.0	µg/L							
4-Methylphenol	ND	5.0	µg/L							
2-Nitrophenol	ND	5.0	µg/L							
2,4-Dimethylphenol	ND	5.0	µg/L							
2,4-Dichlorophenol	ND	5.0	µg/L							
2,6-Dichlorophenol	ND	5.0	µg/L							
4-Chloro-3-methylphenol	ND	5.0	µg/L							
2,4,5-Trichlorophenol	ND	5.0	µg/L							
2,4,6-Trichlorophenol	ND	5.0	µg/L							
2,4-Dinitrophenol	ND	5.0	µg/L							
4-Nitrophenol	ND	5.0	µg/L							
2,3,4,6-Tetrachlorophenol	ND	5.0	µg/L							
4,6-Dinitro-2-methylphenol	ND	5.0	µg/L							
Pentachlorophenol	ND	5.0	µg/L							
LCS (U5K0901-BS1)				Prepared: 11/09/15 Analyzed: 11/12/15						
Surrogate: 2-Fluorophenol	*40.3*		*µg/L*	*100*		*40.3*	*22-92*			
Surrogate: Phenol-d5	*27.8*		*µg/L*	*100*		*27.8*	*10-94*			
Surrogate: 2,4,6-Tribromophenol	*60.6*		*µg/L*	*100*		*60.6*	*49-138*			
Phenol	13.6	5.0	µg/L	50.0		27.3	5-112		20	
2-Chlorophenol	30.2	5.0	µg/L	50.0		60.5	23-134		20	
4-Chloro-3-methylphenol	28.1	5.0	µg/L	50.0		56.3	22-147		20	
LCS Dup (U5K0901-BSD1)				Prepared: 11/09/15 Analyzed: 11/12/15						
Surrogate: 2-Fluorophenol	*38.8*		*µg/L*	*100*		*38.8*	*22-92*			
Surrogate: Phenol-d5	*28.2*		*µg/L*	*100*		*28.2*	*10-94*			
Surrogate: 2,4,6-Tribromophenol	*65.7*		*µg/L*	*100*		*65.7*	*49-138*			
Phenol	14.1	5.0	µg/L	50.0		28.1	5-112	3.08	20	
2-Chlorophenol	29.4	5.0	µg/L	50.0		58.8	23-134	2.85	20	

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(559) 268-7021 Phone
(559) 268-0740 Fax

California ELAP Certificate #1371

Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Air Products	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/8/2015

Semi-Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5K0901 - EPA 625										
LCS Dup (U5K0901-BSD1)				Prepared: 11/09/15 Analyzed: 11/12/15						
4-Chloro-3-methylphenol	30.0	5.0	µg/L	50.0		59.9	22-147	6.29	20	
Batch U5K1822 - EPA 1664A										
Blank (U5K1822-BLK1)				Prepared: 11/18/15 Analyzed: 11/19/15						
Total Oil & Grease (HEM)	ND	1.0	mg/L							
LCS (U5K1822-BS1)				Prepared: 11/18/15 Analyzed: 11/19/15						
Total Oil & Grease (HEM)	38.8	1.0	mg/L	40.0		96.9	78-114		20	
LCS Dup (U5K1822-BSD1)				Prepared: 11/18/15 Analyzed: 11/19/15						
Total Oil & Grease (HEM)	37.8	1.0	mg/L	40.0		94.5	78-114	2.48	20	

MOORE TWINING ASSOCIATES, INC.

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Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Air Products	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/8/2015

Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5K0905 - EPA 624										
Blank (U5K0905-BLK1)				Prepared & Analyzed: 11/09/15						
Surrogate: 4-Bromofluorobenzene	*24.8*		*µg/L*	*25.0*		*99.4*	*70-130*			
Surrogate: Dibromofluoromethane	*25.2*		*µg/L*	*25.0*		*101*	*70-130*			
Surrogate: Toluene-d8	*24.6*		*µg/L*	*25.0*		*98.2*	*70-130*			
Chloromethane	ND	0.50	µg/L							
Vinyl chloride	ND	0.50	µg/L							
Bromomethane	ND	1.0	µg/L							
Chloroethane	ND	0.50	µg/L							
Trichlorofluoromethane (CFC-11)	ND	0.50	µg/L							
Trichlorotrifluoroethane (CFC-113)	ND	1.0	µg/L							
1,1-Dichloroethene	ND	0.50	µg/L							
Acrolein	ND	10	µg/L							
Methylene chloride	ND	1.0	µg/L							
trans-1,2-Dichloroethene	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
Acrylonitrile	ND	5.0	µg/L							
cis-1,2-Dichloroethene	ND	0.50	µg/L							
Chloroform	ND	0.50	µg/L							
Carbon tetrachloride	ND	0.50	µg/L							
1,1,1-Trichloroethane (TCA)	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
Benzene	ND	0.50	µg/L							
1,2-Dichloroethane (1,2-DCA)	ND	0.50	µg/L							
Trichloroethene (TCE)	ND	0.50	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
2-Chloroethylvinyl ether	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
Toluene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Tetrachloroethene (PCE)	ND	0.50	µg/L							
1,1,2-Trichloroethane	ND	0.50	µg/L							
Dibromochloromethane	ND	0.50	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							

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California ELAP Certificate #1371

Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: Air Products	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/8/2015

Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5K0905 - EPA 624										
Blank (U5K0905-BLK1)				Prepared & Analyzed: 11/09/15						
Ethylbenzene	ND	0.50	µg/L							
Chlorobenzene	ND	0.50	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
m,p-Xylene	ND	1.0	µg/L							
o-Xylene	ND	0.50	µg/L							
Styrene	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	1.0	µg/L							
1,2,3-Trichloropropane (123TCP)	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	1.0	µg/L							
Naphthalene	ND	0.50	µg/L							
Xylenes	ND	2.0	µg/L							
LCS (U5K0905-BS1)				Prepared & Analyzed: 11/09/15						
Surrogate: 4-Bromofluorobenzene	*24.8*		*µg/L*	*25.0*		*99.2*	*70-130*			
Surrogate: Dibromofluoromethane	*24.7*		*µg/L*	*25.0*		*98.8*	*70-130*			
Surrogate: Toluene-d8	*24.2*		*µg/L*	*25.0*		*97.0*	*70-130*			
1,1-Dichloroethene	19.3	0.50	µg/L	19.8		97.7	70-130		20	
Benzene	18.7	0.50	µg/L	20.0		93.5	70-130		20	
Trichloroethene (TCE)	17.9	0.50	µg/L	20.0		89.6	70-130		20	
Toluene	18.3	0.50	µg/L	19.9		92.2	70-130		20	
Chlorobenzene	17.9	0.50	µg/L	20.0		89.4	70-130		20	
LCS Dup (U5K0905-BSD1)				Prepared & Analyzed: 11/09/15						
Surrogate: 4-Bromofluorobenzene	*24.5*		*µg/L*	*25.0*		*98.1*	*70-130*			
Surrogate: Dibromofluoromethane	*25.3*		*µg/L*	*25.0*		*101*	*70-130*			
Surrogate: Toluene-d8	*24.6*		*µg/L*	*25.0*		*98.4*	*70-130*			
1,1-Dichloroethene	18.7	0.50	µg/L	19.8		94.6	70-130	3.20	20	
Benzene	18.2	0.50	µg/L	20.0		91.1	70-130	2.60	20	
Trichloroethene (TCE)	17.2	0.50	µg/L	20.0		85.8	70-130	4.33	20	
Toluene	17.7	0.50	µg/L	19.9		88.8	70-130	3.72	20	
Chlorobenzene	17.3	0.50	µg/L	20.0		86.4	70-130	3.36	20	

MOORE TWINING ASSOCIATES, INC.

CHAIN OF CUSTODY/ANALYSIS REQUEST

2527 FRESNO STREET • FRESNO, CA 93721 • PHONE (559) 268-7021 • FAX: (559) 268-0740

ANALYTICAL CHEMISTRY DIVISION
CALIFORNIA ELAP CERTIFICATION # 1371

WORK ORDER #: BK05056
PAGE 1 OF 2

ATTENTION: Jim Anderson	ATTENTION:
NAME: Malaga County Water District	NAME:
ADDRESS: 3580 S. Frank	ADDRESS:
Fresno, CA 93725	
PHONE: (559) 485-7353	PHONE:
FAX: (559) 495-1070	FAX:

☐ STANDARD FORMAT
☐ EDT (STATE FORM)
☐ GEOTRACKER/COELT (LUFT)
☐ PDF ☐ EXCEL
☐ County DHS :
☐ Environmental Health Agency :
☐ OTHER:

SAMPLE INFORMATION

SAMPLED BY (PRINT): Thomas Siphongsay
SIGNATURE:

☐ PUBLIC SYSTEM ☑ ROUTINE
☐ PRIVATE WELL ☐ REPEAT
☐ OTHER ☐ REPLACEMENT

TURN AROUND TIME: ☐ RUSH, DUE ON:
☑ STANDARD

SAMPLE TYPES:

SOLID:
BS - BIOSOLID
CR - CERAMIC
SL - SOIL/SOLID

LIQUID:
DW - DRINKING WATER
GW - GROUND WATER
OL - OIL
SF - SURFACE WATER
ST - STORM WATER
WW - WASTE WATER

PROJECT INFORMATION

CONTRACT/P.O. NO.:
PROJECT: Local Limits Testing
PROJECT NUMBER: Air Products

ANALYSIS REQUESTED

NOTES ON RECEIVED CONDITION:
☐ CUSTODY SEAL(S) BROKEN ☐ SAMPLE(S) DAMAGED
☐ ON ICE ☐ AMBIENT TEMP. ☐ INCORRECT PRESERVATION

LAB USE	CLIENT SAMPLE ID	DATE	TIME	TYPE	As, Al, Ba, B, Cd, Cu, Cr, Fe	Hg, Mo, Ni, Pb, Ag, Se, Zn	Ec, BOD, TSS	Ammonia, TKP	Cl, NO3-N, NO2-N, TDS, MBAS	EPA 624 Benzene	EPA 625 Phenols	EPA 1664 Oil and Grease	Cyanide		
1	AP110515TPC	Start: 11/04/15 End: 11/05/15	Start: 15:15 End: 15:15	WW Co	X	X	X	X	X						
2	AP110515G	11/05/15	15:15	WW Gr						X	X	X	X		

Comments:

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY
Thomas Siphongsay	Malaga	11/5/15	1620	[illegible]	MTA

Sample Integrity

Page 2 of 2

Moore Twining Associates

WO# BK08054

MTA Bottles: Yes or No

COC Info

Was temperature within range? Chemistry ≤6°C Micro <10°C Temp_____°C	Yes No N/A	Did all bottle labels agree with COC?	Yes No N/A
If samples were taken today, is there evidence that chilling has begun? Recvd_____C°	Yes No N/A	Was a sufficient amount of sample received?	Yes No N/A
Did all bottles arrive unbroken and intact?	Yes No N/A	Were correct containers and preservatives received for the tests requested?	Yes No N/A
Do samples have a hold time <72 hours?	Yes No N/A		

Were there bubbles in VOA vials? (**Volatiles Only**)	Yes No N/A
Was PM notified of discrepancies? PM: By/Time:	Yes No N/A

Bottles Received

125ml (A) 250ml (B) 1Liter (C) 40ml VOA (V)	1	2
Bacti $Na_2S_2O_3$		
None (P)	3C	
Cr6 Buffer (P) Borate Carbonate Buffer		
HNO_3 (P)	1A	
H_2SO_4 (P)	1A	
NaOH (P)		1A
NaOH+ZnAc (P)		
Dissolved Oxygen 300ml (P)		
None (AG)		2C
None (CG) 500ml		
$Na_2S_2O_3$ 250ml (Brown P) 549		
$Na_2S_2O_3$ (AG)		
$Na_2S_2O_3$ (AG)		
Thio/K Citrate		
NH_4Cl (AG) 552		
HCl (AG)		1C
None (CG) 500ml		
H_3PO_4 (AG)		
Other:		
Plastic Bag		
Low Level Hg/Metals Double Bag		
Client Own		
Glass Jar: 125/ 250/ 500		
Soil Tube: Brass/ Steel/ Plastic		
5 g Encore		

Comments

Filter or Split

	Container	Preservative	Date/Time/Initials
S P F			
S P F			
S P F			
S P F			
S P F			

Labeled by: B @ 1701

Labels checked by: NB @ 1705

FL-SC-0003-06

SIU Annual Sampling Results: Fifth Wheel Truck Wash

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
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(559) 268-7021 Phone
(559) 268-0740 Fax

December 08, 2015

Work Order #: BK05057

Jim Anderson
Malaga County Water District
3580 S. Frank
Fresno, CA 93725

RE: Local Limits Testing

Enclosed are the analytical results for samples received by our laboratory on 11/05/15 . For your reference, these analyses have been assigned laboratory work order number BK05057 .

All analyses have been performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, Moore Twining Associates, Inc. (MTA) is not responsible for use of less than complete reports. Results apply only to samples analyzed.

If you have any questions, please feel free to contact us at the number listed above.

Sincerely,

Moore Twining Associates, Inc.

Lisa Montijo
Client Services Representative

MOORE TWINING ASSOCIATES, INC.

2527 Fresno Street
Fresno, CA 93721
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(559) 268-0740 Fax

California ELAP Certificate #1371

Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: 5th Wheel Truck Wash	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/8/2015

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
5Wheel110515TPC	BK05057-01	Waste Water	11/05/15 14:10	11/05/15 16:20
5Wheel110515G	BK05057-02	Waste Water	11/05/15 14:10	11/05/15 16:20

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California ELAP Certificate #1371

Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: 5th Wheel Truck Wash	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/8/2015

5Wheel110515TPC

BK05057-01 (Waste Water) Sampled:11/05/15 14:10

Analyte	Flag	Result	Reporting Limit	MDL	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Method
Inorganics											
Ammonia as N		ND	1.0	0.038	mg/L	1	U5K0902	MPA	11/9/15 8:20	11/9/15 15:49	EPA 350.1
Biochemical Oxygen Demand		**180**	30	30	mg/L	30	U5K0608	CMG	11/6/15 9:21	11/11/15 14:38	SM5210B
Chloride		**15**	6.0	0.055	mg/L	3	U5K0525	ETH	11/5/15 16:56	11/6/15 5:31	EPA 300.0
Specific Conductance (EC)		**1300**	1.0	0.26	µS/cm	1	U5K1025	CMG	11/10/15 22:24	11/10/15 22:24	SM2510B
Methylene Blue Active Substances		**1.1**	0.50	0.31	mg/L	10	U5K0602	MPA	11/6/15 8:01	11/6/15 11:44	SM5540C
Nitrate as Nitrogen		**0.030**	1.4	0.012	mg/L	3	[CALC]	ETH	11/6/15 5:31	11/6/15 5:31	EPA 300.0
Nitrate + Nitrite as N		**2.6**	2.3	0.044	mg/L	3	[CALC]	ETH	11/6/15 5:31	11/6/15 5:31	[CALC]
Nitrate as Nitrogen		**0.030**	1.4	0.012	mg/L	3	[CALC]	ETH	11/6/15 5:31	11/6/15 5:31	[CALC]
Nitrate as NO3	J	**0.13**	6.0	0.053	mg/L	3	U5K0525	ETH	11/5/15 16:56	11/6/15 5:31	EPA 300.0
Nitrite as N		**2.6**	0.90	0.032	mg/L	3	U5K0525	ETH	11/5/15 16:56	11/6/15 5:31	EPA 300.0
Phosphorus		**28**	1.0	0.021	mg/L	2	U5L0306	MPA	12/3/15 8:43	12/4/15 15:32	EPA 365.4
Total Dissolved Solids		**1000**	20	16	mg/L	2	U5K0909	MVY	11/9/15 10:01	11/10/15 13:10	SM 2540C
Total Suspended Solids		**70**	20	1.2	mg/L	5	U5K1006	MVY	11/10/15 9:27	11/10/15 15:50	SM 2540D
Metals - Totals											
Aluminum		**7.6**	0.10	0.014	mg/L	1	U5K0606	DAR	11/9/15 11:40	11/11/15 10:44	EPA 200.7
Arsenic	J	**0.0071**	0.020	0.0047	mg/L	1	U5K0606	DAR	11/9/15 11:40	11/11/15 10:44	EPA 200.7
Barium		**0.15**	0.020	0.00026	mg/L	1	U5K0606	DAR	11/9/15 11:40	11/11/15 10:44	EPA 200.7
Boron	J	**0.074**	0.10	0.0017	mg/L	1	U5K0606	DAR	11/9/15 11:40	11/11/15 10:44	EPA 200.7
Cadmium		**0.019**	0.0020	0.00041	mg/L	1	U5K0606	DAR	11/9/15 11:40	11/11/15 10:44	EPA 200.7
Chromium		**0.023**	0.010	0.0018	mg/L	1	U5K0606	DAR	11/9/15 11:40	11/11/15 10:44	EPA 200.7
Copper		**0.098**	0.010	0.0019	mg/L	1	U5K0606	DAR	11/9/15 11:40	11/11/15 10:44	EPA 200.7
Iron		**5.1**	0.20	0.034	mg/L	1	U5K0606	DAR	11/9/15 11:40	11/11/15 10:44	EPA 200.7
Lead		**0.011**	0.010	0.0028	mg/L	1	U5K0606	DAR	11/9/15 11:40	11/11/15 10:44	EPA 200.7
Mercury	D2	ND	1.2	0.21	µg/L	1	U5K1901	JTN	11/19/15 6:28	11/19/15 12:57	EPA 245.2
Molybdenum		**0.028**	0.010	0.0015	mg/L	1	U5K0606	DAR	11/9/15 11:40	11/11/15 10:44	EPA 200.7
Nickel		**0.043**	0.010	0.0010	mg/L	1	U5K0606	DAR	11/9/15 11:40	11/11/15 10:44	EPA 200.7
Selenium	J	**0.0048**	0.040	0.0036	mg/L	1	U5K0606	DAR	11/9/15 11:40	11/11/15 10:44	EPA 200.7
Silver		ND	0.010	0.0022	mg/L	1	U5K0606	DAR	11/9/15 11:40	11/11/15 10:44	EPA 200.7
Zinc		**2.4**	0.010	0.0016	mg/L	1	U5K0606	DAR	11/9/15 11:40	11/11/15 10:44	EPA 200.7

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California ELAP Certificate #1371

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Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: 5th Wheel Truck Wash	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/8/2015

5Wheel110515G

BK05057-02 (Waste Water) Sampled:11/05/15 14:10

Analyte	Flag	Result	Reporting Limit	MDL	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Method
Inorganics											
Cyanide (total)		ND	5.0	2.8	µg/L	1	U5K1601	JTN	11/18/15 7:14	11/18/15 13:04	SM4500CN-E
Semi-Volatile Organics											
Phenol		ND	5.0	0.63	µg/L	1	U5K0901	FFP	11/9/15 7:09	11/13/15 4:09	EPA 625
2-Chlorophenol		ND	5.0	0.69	µg/L	1	U5K0901	FFP	11/9/15 7:09	11/13/15 4:09	EPA 625
2-Methylphenol		ND	5.0	0.93	µg/L	1	U5K0901	FFP	11/9/15 7:09	11/13/15 4:09	EPA 625
3-Methylphenol		ND	5.0	0.96	µg/L	1	U5K0901	FFP	11/9/15 7:09	11/13/15 4:09	EPA 625
4-Methylphenol	**J**	**1.2**	5.0	1.1	µg/L	1	U5K0901	FFP	11/9/15 7:09	11/13/15 4:09	EPA 625
2-Nitrophenol		ND	5.0	1.3	µg/L	1	U5K0901	FFP	11/9/15 7:09	11/13/15 4:09	EPA 625
2,4-Dimethylphenol		ND	5.0	1.2	µg/L	1	U5K0901	FFP	11/9/15 7:09	11/13/15 4:09	EPA 625
2,4-Dichlorophenol		ND	5.0	0.79	µg/L	1	U5K0901	FFP	11/9/15 7:09	11/13/15 4:09	EPA 625
2,6-Dichlorophenol		ND	5.0	0.59	µg/L	1	U5K0901	FFP	11/9/15 7:09	11/13/15 4:09	EPA 625
4-Chloro-3-methylphenol		ND	5.0	0.57	µg/L	1	U5K0901	FFP	11/9/15 7:09	11/13/15 4:09	EPA 625
2,4,5-Trichlorophenol		ND	5.0	2.3	µg/L	1	U5K0901	FFP	11/9/15 7:09	11/13/15 4:09	EPA 625
2,4,6-Trichlorophenol		ND	5.0	2.5	µg/L	1	U5K0901	FFP	11/9/15 7:09	11/13/15 4:09	EPA 625
2,4-Dinitrophenol		ND	5.0	1.9	µg/L	1	U5K0901	FFP	11/9/15 7:09	11/13/15 4:09	EPA 625
4-Nitrophenol		ND	5.0	1.6	µg/L	1	U5K0901	FFP	11/9/15 7:09	11/13/15 4:09	EPA 625
2,3,4,6-Tetrachlorophenol		ND	5.0	0.59	µg/L	1	U5K0901	FFP	11/9/15 7:09	11/13/15 4:09	EPA 625
4,6-Dinitro-2-methylphenol		ND	5.0	0.51	µg/L	1	U5K0901	FFP	11/9/15 7:09	11/13/15 4:09	EPA 625
Pentachlorophenol		ND	5.0	1.3	µg/L	1	U5K0901	FFP	11/9/15 7:09	11/13/15 4:09	EPA 625
Surrogate: 2-Fluorophenol		*27.8 %*	*22-92*				*U5K0901*		11/9/15 7:09	11/13/15 4:09	*EPA 625*
Surrogate: Phenol-d5		*20.8 %*	*10-94*				*U5K0901*		11/9/15 7:09	11/13/15 4:09	*EPA 625*
Surrogate: 2,4,6-Tribromophenol		*63.8 %*	*49-138*				*U5K0901*		11/9/15 7:09	11/13/15 4:09	*EPA 625*
Total Oil & Grease (HEM)		**25**	1.0	0.17	mg/L	1	U5K1822	BBA	11/18/15 17:25	11/19/15 18:00	EPA 1664A
Volatile Organics											
Chloromethane		ND	2.5	0.80	µg/L	5	U5K0905	GAB	11/9/15 10:27	11/9/15 15:16	EPA 624
Vinyl chloride		ND	2.5	0.81	µg/L	5	U5K0905	GAB	11/9/15 10:27	11/9/15 15:16	EPA 624
Bromomethane		ND	5.0	1.6	µg/L	5	U5K0905	GAB	11/9/15 10:27	11/9/15 15:16	EPA 624
Chloroethane		ND	2.5	0.82	µg/L	5	U5K0905	GAB	11/9/15 10:27	11/9/15 15:16	EPA 624
Trichlorofluoromethane (CFC-11)		ND	2.5	0.66	µg/L	5	U5K0905	GAB	11/9/15 10:27	11/9/15 15:16	EPA 624
Trichlorotrifluoroethane (CFC-113)		ND	5.0	0.56	µg/L	5	U5K0905	GAB	11/9/15 10:27	11/9/15 15:16	EPA 624
1,1-Dichloroethene		ND	2.5	0.68	µg/L	5	U5K0905	GAB	11/9/15 10:27	11/9/15 15:16	EPA 624
Acrolein		ND	50	7.7	µg/L	5	U5K0905	GAB	11/9/15 10:27	11/9/15 15:16	EPA 624
Methylene chloride		ND	5.0	1.0	µg/L	5	U5K0905	GAB	11/9/15 10:27	11/9/15 15:16	EPA 624

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

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Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: 5th Wheel Truck Wash	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/8/2015

5Wheel110515G

BK05057-02 (Waste Water) Sampled:11/05/15 14:10

Analyte	Flag	Result	Reporting Limit	MDL	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Method
Volatile Organics											
trans-1,2-Dichloroethene		ND	2.5	0.57	µg/L	5	U5K0905	GAB	11/9/15 10:27	11/9/15 15:16	EPA 624
Methyl tert-Butyl Ether (MTBE)		ND	5.0	1.8	µg/L	5	U5K0905	GAB	11/9/15 10:27	11/9/15 15:16	EPA 624
1,1-Dichloroethane		ND	2.5	0.60	µg/L	5	U5K0905	GAB	11/9/15 10:27	11/9/15 15:16	EPA 624
Acrylonitrile		ND	25	15	µg/L	5	U5K0905	GAB	11/9/15 10:27	11/9/15 15:16	EPA 624
cis-1,2-Dichloroethene		ND	2.5	0.76	µg/L	5	U5K0905	GAB	11/9/15 10:27	11/9/15 15:16	EPA 624
Chloroform		ND	2.5	0.71	µg/L	5	U5K0905	GAB	11/9/15 10:27	11/9/15 15:16	EPA 624
Carbon tetrachloride		ND	2.5	0.82	µg/L	5	U5K0905	GAB	11/9/15 10:27	11/9/15 15:16	EPA 624
1,1,1-Trichloroethane (TCA)		ND	2.5	0.79	µg/L	5	U5K0905	GAB	11/9/15 10:27	11/9/15 15:16	EPA 624
1,1-Dichloropropene		ND	2.5	0.58	µg/L	5	U5K0905	GAB	11/9/15 10:27	11/9/15 15:16	EPA 624
Benzene		ND	2.5	0.51	µg/L	5	U5K0905	GAB	11/9/15 10:27	11/9/15 15:16	EPA 624
1,2-Dichloroethane (1,2-DCA)		ND	2.5	0.50	µg/L	5	U5K0905	GAB	11/9/15 10:27	11/9/15 15:16	EPA 624
Trichloroethene (TCE)		ND	2.5	0.87	µg/L	5	U5K0905	GAB	11/9/15 10:27	11/9/15 15:16	EPA 624
1,2-Dichloropropane		ND	2.5	0.52	µg/L	5	U5K0905	GAB	11/9/15 10:27	11/9/15 15:16	EPA 624
Bromodichloromethane		ND	2.5	0.64	µg/L	5	U5K0905	GAB	11/9/15 10:27	11/9/15 15:16	EPA 624
2-Chloroethylvinyl ether		ND	5.0	1.6	µg/L	5	U5K0905	GAB	11/9/15 10:27	11/9/15 15:16	EPA 624
cis-1,3-Dichloropropene		ND	2.5	0.57	µg/L	5	U5K0905	GAB	11/9/15 10:27	11/9/15 15:16	EPA 624
Toluene		ND	2.5	1.3	µg/L	5	U5K0905	GAB	11/9/15 10:27	11/9/15 15:16	EPA 624
trans-1,3-Dichloropropene		ND	2.5	0.70	µg/L	5	U5K0905	GAB	11/9/15 10:27	11/9/15 15:16	EPA 624
Tetrachloroethene (PCE)		ND	2.5	0.58	µg/L	5	U5K0905	GAB	11/9/15 10:27	11/9/15 15:16	EPA 624
1,1,2-Trichloroethane		ND	2.5	0.58	µg/L	5	U5K0905	GAB	11/9/15 10:27	11/9/15 15:16	EPA 624
Dibromochloromethane		ND	2.5	0.57	µg/L	5	U5K0905	GAB	11/9/15 10:27	11/9/15 15:16	EPA 624
1,2-Dibromoethane (EDB)		ND	2.5	1.1	µg/L	5	U5K0905	GAB	11/9/15 10:27	11/9/15 15:16	EPA 624
Ethylbenzene		ND	2.5	0.50	µg/L	5	U5K0905	GAB	11/9/15 10:27	11/9/15 15:16	EPA 624
Chlorobenzene		ND	2.5	0.52	µg/L	5	U5K0905	GAB	11/9/15 10:27	11/9/15 15:16	EPA 624
1,1,1,2-Tetrachloroethane		ND	2.5	0.60	µg/L	5	U5K0905	GAB	11/9/15 10:27	11/9/15 15:16	EPA 624
m,p-Xylene		ND	5.0	1.0	µg/L	5	U5K0905	GAB	11/9/15 10:27	11/9/15 15:16	EPA 624
o-Xylene		ND	2.5	0.50	µg/L	5	U5K0905	GAB	11/9/15 10:27	11/9/15 15:16	EPA 624
Styrene		ND	2.5	0.50	µg/L	5	U5K0905	GAB	11/9/15 10:27	11/9/15 15:16	EPA 624
Bromoform		ND	5.0	0.60	µg/L	5	U5K0905	GAB	11/9/15 10:27	11/9/15 15:16	EPA 624
1,1,2,2-Tetrachloroethane		ND	5.0	1.1	µg/L	5	U5K0905	GAB	11/9/15 10:27	11/9/15 15:16	EPA 624
1,2,3-Trichloropropane (123TCP)		ND	2.5	1.4	µg/L	5	U5K0905	GAB	11/9/15 10:27	11/9/15 15:16	EPA 624
1,3-Dichlorobenzene		ND	2.5	0.20	µg/L	5	U5K0905	GAB	11/9/15 10:27	11/9/15 15:16	EPA 624
1,4-Dichlorobenzene		ND	2.5	0.50	µg/L	5	U5K0905	GAB	11/9/15 10:27	11/9/15 15:16	EPA 624
1,2-Dichlorobenzene		ND	2.5	0.58	µg/L	5	U5K0905	GAB	11/9/15 10:27	11/9/15 15:16	EPA 624

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California ELAP Certificate #1371

Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: 5th Wheel Truck Wash	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/8/2015

5Wheel110515G

BK05057-02 (Waste Water) Sampled:11/05/15 14:10

Analyte	Flag	Result	Reporting Limit	MDL	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Method
Volatile Organics											
1,2,4-Trichlorobenzene		ND	5.0	0.50	µg/L	5	U5K0905	GAB	11/9/15 10:27	11/9/15 15:16	EPA 624
Hexachlorobutadiene		ND	5.0	0.50	µg/L	5	U5K0905	GAB	11/9/15 10:27	11/9/15 15:16	EPA 624
Naphthalene		ND	2.5	0.76	µg/L	5	U5K0905	GAB	11/9/15 10:27	11/9/15 15:16	EPA 624
Xylenes		ND	10		µg/L	5	U5K0905	GAB	11/9/15 10:27	11/9/15 15:16	EPA 624
Surrogate: 4-Bromofluorobenzene	**D4**	*98.4 %*	*70-130*				*U5K0905*		11/9/15 10:27	11/9/15 15:16	*EPA 624*
Surrogate: Dibromofluoromethane	**D4**	*105 %*	*70-130*				*U5K0905*		11/9/15 10:27	11/9/15 15:16	*EPA 624*
Surrogate: Toluene-d8	**D4**	*99.7 %*	*70-130*				*U5K0905*		11/9/15 10:27	11/9/15 15:16	*EPA 624*

Notes and Definitions

MS3	Recovery for this analyte was biased low; associated blank spike recoveries are within range.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag). Same as DNQ - Detected, but Not Quantified.
D4	Sample was diluted due to the foamy nature of this sample.
D2	Sample diluted due to high concentration(s) of non-target analyte(s).
ug/L	micrograms per liter (parts per billion concentration units)
mg/kg	milligrams per kilogram (parts per million concentration units)
mg/L	milligrams per Liter (parts per million concentration units)
ND	Analyte NOT DETECTED at or above the Minimum Detection Limit (MDL)
RPD	Relative Percent Difference

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3580 S. Frank	Project Number: 5th Wheel Truck Wash	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/8/2015

Inorganics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5K0525 - EPA 300.0										
Blank (U5K0525-BLK1)				Prepared & Analyzed: 11/05/15						
Nitrite as N	ND	0.30	mg/L							
Chloride	ND	2.0	mg/L							
Nitrate as NO3	ND	2.0	mg/L							
LCS (U5K0525-BS1)				Prepared & Analyzed: 11/05/15						
Nitrite as N	4.93	0.30	mg/L	5.00		98.5	90-110		20	
Chloride	49.1	2.0	mg/L	50.0		98.2	90-110		20	
Nitrate as NO3	48.9	2.0	mg/L	50.0		97.7	90-110		20	
LCS Dup (U5K0525-BSD1)				Prepared & Analyzed: 11/05/15						
Chloride	49.3	2.0	mg/L	50.0		98.7	90-110	0.530	20	
Nitrite as N	4.97	0.30	mg/L	5.00		99.5	90-110	0.978	20	
Nitrate as NO3	48.8	2.0	mg/L	50.0		97.7	90-110	0.0561	20	
Matrix Spike (U5K0525-MS1)		**Source: BK05023-04**		Prepared: 11/05/15 Analyzed: 11/06/15						
Chloride	201	8.0	mg/L	200	9.17	95.9	48-147		15	
Nitrite as N	19.3	1.2	mg/L	20.0	ND	96.6	80-120		20	
Nitrate as NO3	338	8.0	mg/L	200	149	94.9	70-130		20	
Matrix Spike (U5K0525-MS2)		**Source: BK05044-02**		Prepared: 11/05/15 Analyzed: 11/06/15						
Nitrite as N	18.9	1.2	mg/L	20.0	ND	94.3	80-120		20	
Chloride	219	8.0	mg/L	200	33.1	93.1	48-147		15	
Nitrate as NO3	214	8.0	mg/L	200	19.5	97.4	70-130		20	
Matrix Spike Dup (U5K0525-MSD1)		**Source: BK05023-04**		Prepared: 11/05/15 Analyzed: 11/06/15						
Nitrite as N	19.3	1.2	mg/L	20.0	ND	96.7	80-120	0.143	20	
Chloride	200	8.0	mg/L	200	9.17	95.5	48-147	0.364	15	
Nitrate as NO3	336	8.0	mg/L	200	149	93.8	70-130	0.618	20	
Matrix Spike Dup (U5K0525-MSD2)		**Source: BK05044-02**		Prepared: 11/05/15 Analyzed: 11/06/15						
Chloride	217	8.0	mg/L	200	33.1	92.0	48-147	1.02	15	
Nitrite as N	18.8	1.2	mg/L	20.0	ND	94.1	80-120	0.191	20	
Nitrate as NO3	210	8.0	mg/L	200	19.5	95.1	70-130	2.21	20	
Batch U5K0602 - SM5540C										
Blank (U5K0602-BLK1)				Prepared & Analyzed: 11/06/15						
Methylene Blue Active Substances	ND	0.050	mg/L							
LCS (U5K0602-BS1)				Prepared & Analyzed: 11/06/15						

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Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: 5th Wheel Truck Wash	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/8/2015

Inorganics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5K0602 - SM5540C										
LCS (U5K0602-BS1)				Prepared & Analyzed: 11/06/15						
Methylene Blue Active Substances	1.05	0.050	mg/L	1.00		105	80-120		20	
LCS Dup (U5K0602-BSD1)				Prepared & Analyzed: 11/06/15						
Methylene Blue Active Substances	1.07	0.050	mg/L	1.00		107	80-120	1.80	20	
Matrix Spike (U5K0602-MS1)		**Source: BK05057-01**		Prepared & Analyzed: 11/06/15						
Methylene Blue Active Substances	1.92	0.50	mg/L	1.00	1.06	85.1	80-120		20	
Matrix Spike Dup (U5K0602-MSD1)		**Source: BK05057-01**		Prepared & Analyzed: 11/06/15						
Methylene Blue Active Substances	1.84	0.50	mg/L	1.00	1.06	77.5	80-120	4.05	20	MS3
Batch U5K0608 - SM5210B										
Blank (U5K0608-BLK1)				Prepared: 11/06/15 Analyzed: 11/11/15						
Biochemical Oxygen Demand	ND	1.0	mg/L							
LCS (U5K0608-BS1)				Prepared: 11/06/15 Analyzed: 11/11/15						
Biochemical Oxygen Demand	169	50	mg/L	198		85.5	85-115		20	
LCS Dup (U5K0608-BSD1)				Prepared: 11/06/15 Analyzed: 11/11/15						
Biochemical Oxygen Demand	171	50	mg/L	198		86.5	85-115	1.17	20	
Duplicate (U5K0608-DUP1)		**Source: BK05048-01**		Prepared: 11/06/15 Analyzed: 11/11/15						
Biochemical Oxygen Demand	788	300	mg/L		791			0.380	20	
Duplicate (U5K0608-DUP2)		**Source: BK06004-01**		Prepared: 11/06/15 Analyzed: 11/11/15						
Biochemical Oxygen Demand	261	100	mg/L		292			11.2	20	
Batch U5K0902 - EPA 350.1										
Blank (U5K0902-BLK1)				Prepared & Analyzed: 11/09/15						
Ammonia as N	ND	1.0	mg/L							
LCS (U5K0902-BS1)				Prepared & Analyzed: 11/09/15						
Ammonia as N	22.1	1.0	mg/L	22.5		98.4	80-120		20	
LCS Dup (U5K0902-BSD1)				Prepared & Analyzed: 11/09/15						
Ammonia as N	22.3	1.0	mg/L	22.5		99.0	80-120	0.630	20	
Matrix Spike (U5K0902-MS1)		**Source: BK06013-01**		Prepared & Analyzed: 11/09/15						
Ammonia as N	24.0	1.0	mg/L	22.5	0.227	106	80-120		20	
Matrix Spike Dup (U5K0902-MSD1)		**Source: BK06013-01**		Prepared & Analyzed: 11/09/15						
Ammonia as N	22.6	1.0	mg/L	22.5	0.227	99.3	80-120	6.26	20	

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Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: 5th Wheel Truck Wash	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/8/2015

Inorganics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5K0909 - SM 2540C										
Blank (U5K0909-BLK1)				Prepared: 11/09/15 Analyzed: 11/10/15						
Total Dissolved Solids	ND	10	mg/L							
LCS (U5K0909-BS1)				Prepared: 11/09/15 Analyzed: 11/10/15						
Total Dissolved Solids	242	10	mg/L	240		101	80-120		20	
LCS Dup (U5K0909-BSD1)				Prepared: 11/09/15 Analyzed: 11/10/15						
Total Dissolved Solids	244	10	mg/L	240		101	80-120	0.618	20	
Duplicate (U5K0909-DUP1)		**Source: BK04046-01**		Prepared: 11/09/15 Analyzed: 11/10/15						
Total Dissolved Solids	472	10	mg/L		471			0.106	20	
Duplicate (U5K0909-DUP2)		**Source: BK04047-01**		Prepared: 11/09/15 Analyzed: 11/10/15						
Total Dissolved Solids	3180	40	mg/L		3420			7.27	20	
Batch U5K1006 - SM 2540D										
Blank (U5K1006-BLK1)				Prepared & Analyzed: 11/10/15						
Total Suspended Solids	ND	4.0	mg/L							
Duplicate (U5K1006-DUP1)		**Source: BK06005-01**		Prepared & Analyzed: 11/10/15						
Total Suspended Solids	220	100	mg/L		220			2.25	20	
Duplicate (U5K1006-DUP2)		**Source: BK06005-02**		Prepared & Analyzed: 11/10/15						
Total Suspended Solids	150	100	mg/L		180			18.2	20	
Batch U5K1025 - SM2510B										
Blank (U5K1025-BLK1)				Prepared & Analyzed: 11/10/15						
Specific Conductance (EC)	ND	1.0	µS/cm							
LCS (U5K1025-BS1)				Prepared & Analyzed: 11/10/15						
Specific Conductance (EC)	524	1.0	µS/cm	500		105	80-120		20	
LCS Dup (U5K1025-BSD1)				Prepared & Analyzed: 11/10/15						
Specific Conductance (EC)	524	1.0	µS/cm	500		105	80-120	0.00	20	
Duplicate (U5K1025-DUP1)		**Source: BK05024-01**		Prepared & Analyzed: 11/10/15						
Specific Conductance (EC)	838	1.0	µS/cm		840			0.242	20	
Duplicate (U5K1025-DUP2)		**Source: BK06020-01**		Prepared & Analyzed: 11/10/15						
Specific Conductance (EC)	686	1.0	µS/cm		685			0.147	20	
Batch U5K1601 - SM4500CN-E										
Blank (U5K1601-BLK1)				Prepared & Analyzed: 11/18/15						

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California ELAP Certificate #1371

Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: 5th Wheel Truck Wash	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/8/2015

Inorganics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5K1601 - SM4500CN-E										
Cyanide (total)	ND	5.0	µg/L							
LCS (U5K1601-BS1)				Prepared & Analyzed: 11/18/15						
Cyanide (total)	51.2	5.0	µg/L	50.0		102	80-120		20	
LCS Dup (U5K1601-BSD1)				Prepared & Analyzed: 11/18/15						
Cyanide (total)	49.4	5.0	µg/L	50.0		98.8	80-120	3.58	20	
Matrix Spike (U5K1601-MS1)		**Source: BK05052-01**		Prepared & Analyzed: 11/18/15						
Cyanide (total)	47.1	5.0	µg/L	50.0	ND	94.2	80-120		20	
Matrix Spike Dup (U5K1601-MSD1)		**Source: BK05052-01**		Prepared & Analyzed: 11/18/15						
Cyanide (total)	48.9	5.0	µg/L	50.0	ND	97.8	80-120	3.75	20	
Batch U5L0306 - EPA 365.4										
Blank (U5L0306-BLK1)				Prepared: 12/03/15 Analyzed: 12/04/15						
Phosphorus	ND	0.50	mg/L							
LCS (U5L0306-BS1)				Prepared: 12/03/15 Analyzed: 12/04/15						
Phosphorus	7.57	0.50	mg/L	7.50		101	80-120		20	
LCS Dup (U5L0306-BSD1)				Prepared: 12/03/15 Analyzed: 12/04/15						
Phosphorus	7.25	0.50	mg/L	7.50		96.6	80-120	4.32	20	
Matrix Spike (U5L0306-MS1)		**Source: BK05020-08**		Prepared: 12/03/15 Analyzed: 12/04/15						
Phosphorus	11.2	0.50	mg/L	7.50	4.18	94.0	80-120		20	
Matrix Spike Dup (U5L0306-MSD1)		**Source: BK05020-08**		Prepared: 12/03/15 Analyzed: 12/04/15						
Phosphorus	11.5	0.50	mg/L	7.50	4.18	97.2	80-120	2.10	20	

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Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: 5th Wheel Truck Wash	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/8/2015

Metals - Totals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5K0606 - EPA 200.7										
Blank (U5K0606-BLK1)				Prepared & Analyzed: 11/09/15						
Molybdenum	0.000855	0.0050	mg/L							J
Copper	ND	0.0050	mg/L							
Barium	0.000256	0.010	mg/L							J
Lead	ND	0.0050	mg/L							
Boron	0.00508	0.050	mg/L							J
Arsenic	ND	0.010	mg/L							
Cadmium	ND	0.0010	mg/L							
Zinc	ND	0.0050	mg/L							
Nickel	ND	0.0050	mg/L							
Aluminum	ND	0.050	mg/L							
Iron	ND	0.10	mg/L							
Silver	ND	0.0050	mg/L							
Chromium	ND	0.0050	mg/L							
Selenium	0.00313	0.020	mg/L							J
LCS (U5K0606-BS1)				Prepared & Analyzed: 11/09/15						
Silver	0.106	0.0050	mg/L	0.100		106	85-115		20	
Aluminum	0.991	0.050	mg/L	1.00		99.1	85-115		20	
Nickel	0.107	0.0050	mg/L	0.100		107	85-115		20	
Selenium	0.397	0.020	mg/L	0.400		99.3	85-115		20	
Zinc	0.101	0.0050	mg/L	0.100		101	85-115		20	
Barium	0.208	0.010	mg/L	0.200		104	85-115		20	
Copper	0.0981	0.0050	mg/L	0.100		98.1	85-115		20	
Arsenic	0.198	0.010	mg/L	0.200		98.8	85-115		20	
Chromium	0.103	0.0050	mg/L	0.100		103	85-115		20	
Iron	2.01	0.10	mg/L	2.00		101	85-115		20	
Molybdenum	0.0985	0.0050	mg/L	0.100		98.5	85-115		20	
Cadmium	0.0207	0.0010	mg/L	0.0200		103	85-115		20	
Lead	0.100	0.0050	mg/L	0.100		100	85-115		20	
Boron	0.976	0.050	mg/L	1.00		97.6	85-115		20	
LCS Dup (U5K0606-BSD1)				Prepared & Analyzed: 11/09/15						
Selenium	0.395	0.020	mg/L	0.400		98.7	85-115	0.614	20	
Lead	0.102	0.0050	mg/L	0.100		102	85-115	2.13	20	
Iron	2.09	0.10	mg/L	2.00		105	85-115	4.05	20	
Silver	0.107	0.0050	mg/L	0.100		107	85-115	0.761	20	

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
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Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: 5th Wheel Truck Wash	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/8/2015

Metals - Totals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5K0606 - EPA 200.7										
LCS Dup (U5K0606-BSD1)				Prepared & Analyzed: 11/09/15						
Nickel	0.106	0.0050	mg/L	0.100		106	85-115	1.30	20	
Aluminum	1.05	0.050	mg/L	1.00		105	85-115	6.07	20	
Barium	0.208	0.010	mg/L	0.200		104	85-115	0.148	20	
Arsenic	0.195	0.010	mg/L	0.200		97.3	85-115	1.52	20	
Cadmium	0.0206	0.0010	mg/L	0.0200		103	85-115	0.224	20	
Chromium	0.102	0.0050	mg/L	0.100		102	85-115	1.02	20	
Zinc	0.102	0.0050	mg/L	0.100		102	85-115	0.369	20	
Boron	1.02	0.050	mg/L	1.00		102	85-115	4.37	20	
Molybdenum	0.0986	0.0050	mg/L	0.100		98.6	85-115	0.0621	20	
Copper	0.0976	0.0050	mg/L	0.100		97.6	85-115	0.548	20	
Matrix Spike (U5K0606-MS1)		**Source: BK05021-01**		Prepared & Analyzed: 11/09/15						
Molybdenum	0.964	0.050	mg/L	1.00	ND	96.4	70-130		20	
Silver	1.04	0.050	mg/L	1.00	ND	104	70-130		20	
Chromium	1.02	0.050	mg/L	1.00	ND	102	70-130		20	
Zinc	2.15	0.050	mg/L	1.00	1.18	96.6	70-130		20	
Barium	2.08	0.10	mg/L	2.00	0.0108	103	70-130		20	
Copper	0.971	0.050	mg/L	1.00	ND	97.1	70-130		20	
Selenium	3.88	0.20	mg/L	4.00	ND	97.1	70-130		20	
Boron	10.0	0.50	mg/L	10.0	0.0842	99.2	70-130		20	
Arsenic	1.92	0.10	mg/L	2.00	ND	96.1	70-130		20	
Aluminum	10.4	0.50	mg/L	10.0	0.0798	103	70-130		20	
Iron	20.6	1.0	mg/L	20.0	0.180	102	70-130		20	
Cadmium	0.205	0.010	mg/L	0.200	ND	102	70-130		20	
Nickel	1.06	0.050	mg/L	1.00	ND	106	70-130		20	
Lead	0.999	0.050	mg/L	1.00	ND	99.9	70-130		20	
Matrix Spike (U5K0606-MS2)		**Source: BK05056-01**		Prepared: 11/09/15 Analyzed: 11/11/15						
Selenium	0.736	0.040	mg/L	0.800	0.00394	91.5	70-130		20	
Chromium	0.207	0.010	mg/L	0.200	0.00907	99.0	70-130		20	
Zinc	0.284	0.010	mg/L	0.200	0.0864	99.0	70-130		20	
Lead	0.209	0.010	mg/L	0.200	ND	105	70-130		20	
Cadmium	0.0401	0.0020	mg/L	0.0400	ND	100	70-130		20	
Iron	4.38	0.20	mg/L	4.00	0.204	104	70-130		20	
Boron	2.18	0.10	mg/L	2.00	0.0619	106	70-130		20	
Silver	0.200	0.010	mg/L	0.200	ND	99.8	70-130		20	

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California ELAP Certificate #1371

Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: 5th Wheel Truck Wash	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/8/2015

Metals - Totals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5K0606 - EPA 200.7										
Matrix Spike (U5K0606-MS2)		**Source: BK05056-01**		Prepared: 11/09/15 Analyzed: 11/11/15						
Molybdenum	0.981	0.010	mg/L	0.200	0.775	103	70-130		20	
Nickel	0.210	0.010	mg/L	0.200	0.000985	105	70-130		20	
Aluminum	2.14	0.10	mg/L	2.00	0.0548	104	70-130		20	
Barium	0.507	0.020	mg/L	0.400	0.0933	104	70-130		20	
Arsenic	0.389	0.020	mg/L	0.400	0.0120	94.2	70-130		20	
Copper	0.198	0.010	mg/L	0.200	0.0105	93.7	70-130		20	
Matrix Spike Dup (U5K0606-MSD1)		**Source: BK05021-01**		Prepared & Analyzed: 11/09/15						
Lead	0.994	0.050	mg/L	1.00	ND	99.4	70-130	0.517	20	
Molybdenum	0.966	0.050	mg/L	1.00	ND	96.6	70-130	0.234	20	
Nickel	1.05	0.050	mg/L	1.00	ND	105	70-130	1.22	20	
Cadmium	0.203	0.010	mg/L	0.200	ND	101	70-130	0.965	20	
Arsenic	1.99	0.10	mg/L	2.00	ND	99.7	70-130	3.70	20	
Aluminum	10.4	0.50	mg/L	10.0	0.0798	103	70-130	0.126	20	
Zinc	2.15	0.050	mg/L	1.00	1.18	96.4	70-130	0.120	20	
Iron	20.7	1.0	mg/L	20.0	0.180	103	70-130	0.469	20	
Boron	10.1	0.50	mg/L	10.0	0.0842	100	70-130	0.884	20	
Barium	2.09	0.10	mg/L	2.00	0.0108	104	70-130	0.681	20	
Chromium	1.00	0.050	mg/L	1.00	ND	100	70-130	2.33	20	
Copper	0.954	0.050	mg/L	1.00	ND	95.4	70-130	1.74	20	
Selenium	3.87	0.20	mg/L	4.00	ND	96.7	70-130	0.342	20	
Silver	1.03	0.050	mg/L	1.00	ND	103	70-130	1.60	20	
Matrix Spike Dup (U5K0606-MSD2)		**Source: BK05056-01**		Prepared: 11/09/15 Analyzed: 11/11/15						
Aluminum	2.12	0.10	mg/L	2.00	0.0548	103	70-130	1.20	20	
Iron	4.32	0.20	mg/L	4.00	0.204	103	70-130	1.55	20	
Copper	0.200	0.010	mg/L	0.200	0.0105	94.8	70-130	1.12	20	
Nickel	0.210	0.010	mg/L	0.200	0.000985	105	70-130	0.0381	20	
Chromium	0.206	0.010	mg/L	0.200	0.00907	98.4	70-130	0.568	20	
Barium	0.506	0.020	mg/L	0.400	0.0933	103	70-130	0.315	20	
Arsenic	0.404	0.020	mg/L	0.400	0.0120	98.0	70-130	3.84	20	
Molybdenum	0.971	0.010	mg/L	0.200	0.775	98.0	70-130	1.03	20	
Lead	0.204	0.010	mg/L	0.200	ND	102	70-130	2.62	20	
Boron	2.16	0.10	mg/L	2.00	0.0619	105	70-130	0.816	20	
Zinc	0.286	0.010	mg/L	0.200	0.0864	99.5	70-130	0.386	20	
Cadmium	0.0399	0.0020	mg/L	0.0400	ND	99.6	70-130	0.553	20	

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California ELAP Certificate #1371

Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: 5th Wheel Truck Wash	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/8/2015

Metals - Totals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5K0606 - EPA 200.7										
Matrix Spike Dup (U5K0606-MSD2)		**Source: BK05056-01**		Prepared: 11/09/15 Analyzed: 11/11/15						
Silver	0.200	0.010	mg/L	0.200	ND	100	70-130	0.416	20	
Selenium	0.730	0.040	mg/L	0.800	0.00394	90.8	70-130	0.793	20	
Batch U5K1901 - EPA 245.2										
Blank (U5K1901-BLK1)				Prepared & Analyzed: 11/19/15						
Mercury	ND	0.20	µg/L							
LCS (U5K1901-BS1)				Prepared & Analyzed: 11/19/15						
Mercury	5.46	0.20	µg/L	5.00		109	80-120		20	
LCS Dup (U5K1901-BSD1)				Prepared & Analyzed: 11/19/15						
Mercury	5.20	0.20	µg/L	5.00		104	80-120	4.90	20	
Matrix Spike (U5K1901-MS1)		**Source: BK09031-01**		Prepared & Analyzed: 11/19/15						
Mercury	165	6.0	µg/L	150	2.09	108	70-130		20	
Matrix Spike (U5K1901-MS2)		**Source: BK12019-01**		Prepared & Analyzed: 11/19/15						
Mercury	165	6.0	µg/L	150	1.34	109	70-130		20	
Matrix Spike Dup (U5K1901-MSD1)		**Source: BK09031-01**		Prepared & Analyzed: 11/19/15						
Mercury	164	6.0	µg/L	150	2.09	108	70-130	0.359	20	
Matrix Spike Dup (U5K1901-MSD2)		**Source: BK12019-01**		Prepared & Analyzed: 11/19/15						
Mercury	163	6.0	µg/L	150	1.34	108	70-130	1.34	20	

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Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: 5th Wheel Truck Wash	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/8/2015

Semi-Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5K0901 - EPA 625										
Blank (U5K0901-BLK1)				Prepared: 11/09/15 Analyzed: 11/12/15						
Surrogate: 2-Fluorophenol	*37.4*		*µg/L*	*100*		*37.4*	*22-92*			
Surrogate: Phenol-d5	*26.7*		*µg/L*	*100*		*26.7*	*10-94*			
Surrogate: 2,4,6-Tribromophenol	*57.8*		*µg/L*	*100*		*57.8*	*49-138*			
Phenol	ND	5.0	µg/L							
2-Chlorophenol	ND	5.0	µg/L							
2-Methylphenol	ND	5.0	µg/L							
3-Methylphenol	ND	5.0	µg/L							
4-Methylphenol	ND	5.0	µg/L							
2-Nitrophenol	ND	5.0	µg/L							
2,4-Dimethylphenol	ND	5.0	µg/L							
2,4-Dichlorophenol	ND	5.0	µg/L							
2,6-Dichlorophenol	ND	5.0	µg/L							
4-Chloro-3-methylphenol	ND	5.0	µg/L							
2,4,5-Trichlorophenol	ND	5.0	µg/L							
2,4,6-Trichlorophenol	ND	5.0	µg/L							
2,4-Dinitrophenol	ND	5.0	µg/L							
4-Nitrophenol	ND	5.0	µg/L							
2,3,4,6-Tetrachlorophenol	ND	5.0	µg/L							
4,6-Dinitro-2-methylphenol	ND	5.0	µg/L							
Pentachlorophenol	ND	5.0	µg/L							
LCS (U5K0901-BS1)				Prepared: 11/09/15 Analyzed: 11/12/15						
Surrogate: 2-Fluorophenol	*40.3*		*µg/L*	*100*		*40.3*	*22-92*			
Surrogate: Phenol-d5	*27.8*		*µg/L*	*100*		*27.8*	*10-94*			
Surrogate: 2,4,6-Tribromophenol	*60.6*		*µg/L*	*100*		*60.6*	*49-138*			
Phenol	13.6	5.0	µg/L	50.0		27.3	5-112		20	
2-Chlorophenol	30.2	5.0	µg/L	50.0		60.5	23-134		20	
4-Chloro-3-methylphenol	28.1	5.0	µg/L	50.0		56.3	22-147		20	
LCS Dup (U5K0901-BSD1)				Prepared: 11/09/15 Analyzed: 11/12/15						
Surrogate: 2-Fluorophenol	*38.8*		*µg/L*	*100*		*38.8*	*22-92*			
Surrogate: Phenol-d5	*28.2*		*µg/L*	*100*		*28.2*	*10-94*			
Surrogate: 2,4,6-Tribromophenol	*65.7*		*µg/L*	*100*		*65.7*	*49-138*			
Phenol	14.1	5.0	µg/L	50.0		28.1	5-112	3.08	20	
2-Chlorophenol	29.4	5.0	µg/L	50.0		58.8	23-134	2.85	20	

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Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: 5th Wheel Truck Wash	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/8/2015

Semi-Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5K0901 - EPA 625										
LCS Dup (U5K0901-BSD1)				Prepared: 11/09/15 Analyzed: 11/12/15						
4-Chloro-3-methylphenol	30.0	5.0	µg/L	50.0		59.9	22-147	6.29	20	
Batch U5K1822 - EPA 1664A										
Blank (U5K1822-BLK1)				Prepared: 11/18/15 Analyzed: 11/19/15						
Total Oil & Grease (HEM)	ND	1.0	mg/L							
LCS (U5K1822-BS1)				Prepared: 11/18/15 Analyzed: 11/19/15						
Total Oil & Grease (HEM)	38.8	1.0	mg/L	40.0		96.9	78-114		20	
LCS Dup (U5K1822-BSD1)				Prepared: 11/18/15 Analyzed: 11/19/15						
Total Oil & Grease (HEM)	37.8	1.0	mg/L	40.0		94.5	78-114	2.48	20	

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3580 S. Frank	Project Number: 5th Wheel Truck Wash	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/8/2015

Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5K0905 - EPA 624										
Blank (U5K0905-BLK1)				Prepared & Analyzed: 11/09/15						
Surrogate: 4-Bromofluorobenzene	*24.8*		*µg/L*	*25.0*		*99.4*	*70-130*			
Surrogate: Dibromofluoromethane	*25.2*		*µg/L*	*25.0*		*101*	*70-130*			
Surrogate: Toluene-d8	*24.6*		*µg/L*	*25.0*		*98.2*	*70-130*			
Chloromethane	ND	0.50	µg/L							
Vinyl chloride	ND	0.50	µg/L							
Bromomethane	ND	1.0	µg/L							
Chloroethane	ND	0.50	µg/L							
Trichlorofluoromethane (CFC-11)	ND	0.50	µg/L							
Trichlorotrifluoroethane (CFC-113)	ND	1.0	µg/L							
1,1-Dichloroethene	ND	0.50	µg/L							
Acrolein	ND	10	µg/L							
Methylene chloride	ND	1.0	µg/L							
trans-1,2-Dichloroethene	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
Acrylonitrile	ND	5.0	µg/L							
cis-1,2-Dichloroethene	ND	0.50	µg/L							
Chloroform	ND	0.50	µg/L							
Carbon tetrachloride	ND	0.50	µg/L							
1,1,1-Trichloroethane (TCA)	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
Benzene	ND	0.50	µg/L							
1,2-Dichloroethane (1,2-DCA)	ND	0.50	µg/L							
Trichloroethene (TCE)	ND	0.50	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
2-Chloroethylvinyl ether	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
Toluene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Tetrachloroethene (PCE)	ND	0.50	µg/L							
1,1,2-Trichloroethane	ND	0.50	µg/L							
Dibromochloromethane	ND	0.50	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							

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Malaga County Water District	Project: Local Limits Testing	
3580 S. Frank	Project Number: 5th Wheel Truck Wash	**Reported:**
Fresno CA, 93725	Project Manager: Jim Anderson	12/8/2015

Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U5K0905 - EPA 624										
Blank (U5K0905-BLK1)				Prepared & Analyzed: 11/09/15						
Ethylbenzene	ND	0.50	µg/L							
Chlorobenzene	ND	0.50	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
m,p-Xylene	ND	1.0	µg/L							
o-Xylene	ND	0.50	µg/L							
Styrene	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	1.0	µg/L							
1,2,3-Trichloropropane (123TCP)	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	1.0	µg/L							
Naphthalene	ND	0.50	µg/L							
Xylenes	ND	2.0	µg/L							
LCS (U5K0905-BS1)				Prepared & Analyzed: 11/09/15						
Surrogate: 4-Bromofluorobenzene	*24.8*		*µg/L*	*25.0*		*99.2*	*70-130*			
Surrogate: Dibromofluoromethane	*24.7*		*µg/L*	*25.0*		*98.8*	*70-130*			
Surrogate: Toluene-d8	*24.2*		*µg/L*	*25.0*		*97.0*	*70-130*			
1,1-Dichloroethene	19.3	0.50	µg/L	19.8		97.7	70-130		20	
Benzene	18.7	0.50	µg/L	20.0		93.5	70-130		20	
Trichloroethene (TCE)	17.9	0.50	µg/L	20.0		89.6	70-130		20	
Toluene	18.3	0.50	µg/L	19.9		92.2	70-130		20	
Chlorobenzene	17.9	0.50	µg/L	20.0		89.4	70-130		20	
LCS Dup (U5K0905-BSD1)				Prepared & Analyzed: 11/09/15						
Surrogate: 4-Bromofluorobenzene	*24.5*		*µg/L*	*25.0*		*98.1*	*70-130*			
Surrogate: Dibromofluoromethane	*25.3*		*µg/L*	*25.0*		*101*	*70-130*			
Surrogate: Toluene-d8	*24.6*		*µg/L*	*25.0*		*98.4*	*70-130*			
1,1-Dichloroethene	18.7	0.50	µg/L	19.8		94.6	70-130	3.20	20	
Benzene	18.2	0.50	µg/L	20.0		91.1	70-130	2.60	20	
Trichloroethene (TCE)	17.2	0.50	µg/L	20.0		85.8	70-130	4.33	20	
Toluene	17.7	0.50	µg/L	19.9		88.8	70-130	3.72	20	
Chlorobenzene	17.3	0.50	µg/L	20.0		86.4	70-130	3.36	20	

MOORE TWINING ASSOCIATES, INC.

CHAIN OF CUSTODY/ANALYSIS REQUEST

2527 FRESNO STREET • FRESNO, CA 93721 • PHONE (559) 268-7021 • FAX: (559) 268-0740

ANALYTICAL CHEMISTRY DIVISION
CALIFORNIA ELAP CERTIFICATION # 1371

WORK ORDER #: BR05057

PAGE 1 OF 2

ATTENTION: Jim Anderson	ATTENTION:
NAME: Malaga County Water District	NAME:
ADDRESS: 3580 S. Frank	ADDRESS:
Fresno, CA 93725	
PHONE: (559) 485-7353	PHONE:
FAX: (559) 495-1070	FAX:

☐ STANDARD FORMAT
☐ EDT (STATE FORM)
☐ GEOTRACKER/COELT (LUFT)
☐ PDF ☐ EXCEL
☐ County DHS :
☐ Environmental Health Agency :
☐ OTHER:

SAMPLE INFORMATION

SAMPLED BY (PRINT): Thomas Siphongsay

SIGNATURE:

☐ PUBLIC SYSTEM ☑ ROUTINE
☐ PRIVATE WELL ☐ REPEAT
☐ OTHER ☐ REPLACEMENT

TURN AROUND TIME: ☐ RUSH, DUE ON:
☑ STANDARD

SAMPLE TYPES:

SOLID:
BS – BIOSOLID
CR – CERAMIC
SL – SOIL/SOLID

LIQUID:
DW – DRINKING WATER
GW – GROUND WATER
OL – OIL
SF – SURFACE WATER
ST – STORM WATER
WW – WASTE WATER

PROJECT INFORMATION

CONTRACT/P.O. NO.:

PROJECT: Local Limits Testing

PROJECT NUMBER: 5th Wheel Truck Wash

LAB USE

NOTES ON RECEIVED CONDITION:
☐ CUSTODY SEAL(S) BROKEN ☐ SAMPLE(S) DAMAGED
☐ ON ICE ☐ AMBIENT TEMP. ☐ INCORRECT PRESERVATION

ANALYSIS REQUESTED

	CLIENT SAMPLE ID	DATE	TIME	TYPE	As, Al, Ba, B, Cd, Cu, Cr, Fe	Hg, Mo, Ni, Pb, Ag, Se, Zn	Ec, BOD, TSS	Ammonia, TKP	Cl, NO3-N, NO2-N, TDS, MBAS	EPA 624 Benzene	EPA 625 Phenols	EPA 1664 Oil and Grease	Cyanide		
1	5Wheel110515TPC	Start: 11/04/15 End: 11/05/15	Start: 14:10 End: 14:10	WW Co	X	X	X	X	X						
2	5Wheel110515G	11/05/15	14:10	WW Gr						X	X	X	X		

Comments:

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY
Thomas Siphongsay	Malaga	11/5/15	1620	[signature]	MTA

Sample Integrity

Page 2 of 2

Moore Twining Associates

WO# 0K0807

MTA Bottles: Yes or No

COC Info

Was temperature within range? Chemistry ≤6°C Micro <10°C Temp_____°C	Yes No N/A	Did all bottle labels agree with COC?	Yes No N/A
If samples were taken today, is there evidence that chilling has begun? Recvd_____C°	Yes No N/A	Was a sufficient amount of sample received?	Yes No N/A
Did all bottles arrive unbroken and intact?	Yes No N/A	Were correct containers and preservatives received for the tests requested?	Yes No N/A
Do samples have a hold time <72 hours?	Yes No N/A		

Were there bubbles in VOA vials? (**Volatiles Only**)	Yes No N/A
Was PM notified of discrepancies? PM: By/Time:	Yes No N/A

Bottles Received

125ml (A) 250ml (B) 1Liter (C) 40ml VOA (V)		
Bacti $Na_2S_2O_3$	1	2
None (P)		
Cr6 Buffer (P) Borate Carbonate Buffer	3C	
HNO_3 (P)		
H_2SO_4 (P)	1B	
NaOH (P)	1B	
NaOH+ZnAc (P)		1B
Dissolved Oxygen 300ml (P)		
None (AG)		
None (CG) 500ml		2C
$Na_2S_2O_3$ 250ml (Brown P) 549		
$Na_2S_2O_3$ (AG)		
$Na_2S_2O_3$ (AG)		
Thio/K Citrate		
NH_4Cl (AG) 552		
HCl (AG)		
None (CG) 500ml		1C
H_3PO_4 (AG)		
Other:		
Plastic Bag		
Low Level Hg/Metals Double Bag		
Client Own		
Glass Jar: 125/ 250/ 500		
Soil Tube: Brass/ Steel/ Plastic		
5 g Encore		

Comments

Filter or Split

	Container	Preservative	Date/Time/Initials
S P F			
S P F			
S P F			
S P F			
S P F			

Labeled by: [illegible] @ 1705

Labels checked by: [illegible] @ 1710

FL-SC-0003-06

Attachment O

Quarterly Pretreatment Reports: First, Second, Third

MALAGA COUNTY WATER DISTRICT

3580 SOUTH FRANK STREET FRESNO, CALIFORNIA 93725
PHONE: 559-485-7353 FAX: 559-485-7319

BOARD OF DIRECTORS

CHARLES E. GARABEDIAN JR **PRESIDENT** | SALVADOR CERRILLO **VICE-PRESIDENT** | IRMA CASTANEDA **DIRECTOR** | FRANK CERRILLO JR **DIRECTOR** | CARLOS TOVAR JR. **DIRECTOR**

James D. Anderson, General Manager

22 October 2015

Central Valley Regional Water Resources Control Board
CIWQS
1685 E Street
Fresno, Ca 93706

Subject: **e-SMR Pretreatment Report for Q3 2015**
Order No. R5-2014-0145
NPDES No. CA0084239

There were no compliance violations in the third quarter of 2015 for all Significant Industrial Users (SIU). However, the following SIU inconsistently achieved compliance and informal enforcement measures were exercised:

PPG Industries
3333 S. Peach Ave.
Fresno, CA 93725
Permit #008

According to the District's database of self-monitoring reports, PPG repeatedly submitted self-monitoring reports that were late. In addition, the semi-annual self-monitoring report did not include laboratory analysis of some required constituents. The District's Environmental Compliance Inspector (ECI) initiated informal enforcement by having several talks with the PPG representative. The informal enforcement approach was taken in light of a demonstration of good faith and willingness to comply. Although late, the District did receive all monthly reports and the complete laboratory data for the semi-annual report from PPG Industries. Pursuant to §IV(A) of the Districts Enforcement Response Plan (ERP), an Observation Notice has been prepared and issued to PPG that further failure to submit self-monitoring reports on-time and complete with supporting laboratory reports will result in formal enforcement procedures pursuant to Part V of the Enforcement Response Plan.

In August, the ECI conducted inspections on facilities that engaged in Recreational Vehicle (RV) sales. As recommended from the recent Pretreatment Compliance Inspection last March, the ECI inquired about the dumping of domestic waste from RV holding tanks. The purpose of conducting such inspections was to obtain a better understanding of what is being discharged into the collection system and to identify any potential to negatively impact the POTW. It was

determined that only one facility allowed dumping of domestic waste from RV holding tanks and the amount of waste being dumped was minimal. The District will develop and issue a Compliance Order for each User engaged in RV sales and any other User which could potentially receive domestic waste from RV or similar holding tanks requiring the User to identify, among other things, whether or not they accept waste from RVs or other vehicles with similar holding tanks, the volume of waste received, and if they do receive such waste, prepare and submit proposed best management practices for the receipt and handling of such waste to the District.

Also in August, areas of the collection system were vacuumed and flushed out via a specialized flusher truck that the District is testing with the intent of purchasing this type or similar truck for the purpose of maintaining the District's sewer collection system and, in the unlikely event of a sanitary sewer overflow, to minimize the impact to the environment of the sewer overflow and/or effect cleanup of the sanitary sewer overflow. Such maintenance, which will include the utilization of a video monitoring system, will prevent sanitary sewer overflows and also enhance the accuracy of the District's Pretreatment Monitoring Program by reducing/eliminating legacy constituents which may be present in the collection system.

In September, the District received the local limits response from the Water Board and Amelia Whitson of the EPA. The response outlined the necessary changes needed to be made to the District's local limits plan in order to meet federal and state criteria. After careful review of the response noted above, the District has incorporated the necessary change into its Detailed Local Limits Study Plan which the District will begin implementing on October 19, 2015.

The District is required by Task 5a of CDO 2014 to submit and implement a Pollution Prevention Plan (PPP) for Copper, Cyanide, and Nitrate plus Nitrite (as N) that meets the requirements specified in California Water Code §13263. The District is also required by part 3a of the Best Management Practices and Pollution Prevention section of the NPDES permit to prepare a Salinity Evaluation and Minimization Plan. The District is utilizing the services of GHD Engineering to assist the District in fully complying with the requirements of the CDO. In July 2015, a report titled "Copper, Cyanide, and Nitrate plus Nitrate Pollution Prevention Plan" was submitted by the District to the Water Board as required by CDO Task 5a. In September, 2015, the Salinity Evaluation and Minimization Plan was submitted by the District to the Water Board as required by the NPDES permit. These plans emphasize the incorporation of the results of the Local Limits Study which is being conducted as required by CDO Task 2a. Once the Local Limits Evaluation is completed and new or revised local limits are developed and approved by the Water Board, those results and new limits will be incorporated into the PPP and the Salinity Evaluation and Minimization Plan.

I certify under penalty of law that this document and all attachments were prepared under my direct supervision in accordance with a system designed to assure that qualified personnel properly gather and validate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Respectfully,

J. D. Anderson
General Manager/Authorized Official of the Malaga County Water District

Attachment A

Observation Notice for PPG Industries

MALAGA COUNTY WATER DISTRICT

3580 SOUTH FRANK STREET - FRESNO, CALIFORNIA 93725
PHONE: 559-485-7353 - FAX: 559-485-7319

BOARD OF DIRECTORS

CHARLES E. GARABEDIAN JR **PRESIDENT** | SALVADOR CERRILLO **VICE-PRESIDENT** | IRMA CASTANEDA **DIRECTOR** | FRANK CERRILLO JR **DIRECTOR** | CARLOS TOVAR JR. **DIRECTOR**

JIM ANDERSON- **GENERAL MANAGER**

20 October 2015

OBSERVATION NOTICE

PPG Industries
3333 S. Peach Ave.
Fresno, CA 93725
Permit #008

Part A

This Observation Notice is issued to PPG Industries for the following reason in accordance to section 11.40 of the Malaga County Water District's Enforcement Response Plan (ERP):

1. Failure to submit all required self-monitoring reports/results

Part B

1. The following self-monitoring reports were observed to have been submitted late:
   i. Monthly flow for July 2015
      Due August 31, 2015
      Received: October 7, 2015
   ii. Monthly flow for August 2015
      Due September 30, 2015
      Received: October 7, 2015

2. The semi-annual self-monitoring report was incomplete and did not contain the supplemental laboratory report for the metals analysis. The following metals were omitted from the semi-annual report for June 2015:
   i. Aluminum
   ii. Arsenic
   iii. Barium
   iv. Boron
   v. Cadmium
   vi. Chromium
   vii. Mercury
   viii. Nickel
   ix. Selenium

x. Silver
xi. Zinc

Part C

Failure to submit on-time self-monitoring reports with complete supporting laboratory reports will result in formal enforcement procedures in accordance with section 11.50 of the Malaga County Water District's ERP.

If you have any questions, please contact the Environmental Compliance Inspector.

Thomas Siphongsay
Environmental Compliance Inspector
tsiphongsay@malagacwd.org
(559) 547-9797

Attachment B

PPG Industries Semi-Annual Report Part 1

PPG Industries, Inc.
3333 South Peach Street
Fresno, California 93725
USA
(559)485-4660

PPG Industries

Ray C. Yee
Manager
Works No 15
Glass Group

July 30, 2015

JUL 30 2015

Thomas Siphongsay
Environmental Compliance Inspector
3580 South Frank Street
Fresno, CA 93725

Subject: **MONTHLY MONITORING RESULTS**
Malaga County Water District, Non Residential Wastewater Discharge Permit No. 1038

Encl: (1) Daily Wastewater Discharge Flows January 2015 – June 2015

(2) Monthly Log of Wastewater and/or Solids Removed

(3) Semi-annual Water Analysis

Mr. Anderson,

Enclosed is the report of monitoring required pursuant to the Non Residential Discharge Permit Part 3.3 Reporting Requirements.

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Ray Yee

Plant Manager

Wastewater Discharge Volumes
PPG Industries
3333 S Peach Ave
Fresno, CA 93725

January 2015 DAILY FLOW VALUES

DATE	FLOW (GAL)	DATE	FLOW (GAL)	DATE	FLOW (GAL)
1/1/2014	71,136	1/12/2014	62,679	1/23/2014	67,083
1/2/2014	27,548	1/13/2014	72,973	1/24/2014	52,821
1/3/2014	64,006	1/14/2014	123,465	1/25/2014	62,538
1/4/2014	33,592	1/15/2014	74,648	1/26/2014	59,315
1/5/2014	58,548	1/16/2014	86,297	1/27/2014	39,478
1/6/2014	37,020	1/17/2014	93,494	1/28/2014	42,821
1/7/2014	40,049	1/18/2014	59,457	1/29/2014	59,111
1/8/2014	41,789	1/19/2014	39,817	1/30/2014	65,705
1/9/2014	57,620	1/20/2014	93,066	1/31/2014	55,891
1/10/2014	119,222	1/21/2014	64,924		
1/11/2014	43,324	1/22/2014	70,763		
TOTAL DISCHARGE :					1,940,200

February 2015 DAILY FLOW VALUES

DATE	FLOW (GAL)	DATE	FLOW (GAL)	DATE	FLOW (GAL)
2/1/2014	40,834	2/12/2014	63,206	2/23/2014	74,716
2/2/2014	57,316	2/13/2014	60,928	2/24/2014	44,365
2/3/2014	43,588	2/14/2014	60,663	2/25/2014	57,938
2/4/2014	45,847	2/15/2014	89,137	2/26/2014	45,594
2/5/2014	63,109	2/16/2014	57,550	2/27/2014	65,937
2/6/2014	85,754	2/17/2014	63,438	2/28/2014	67,375
2/7/2014	44,847	2/18/2014	45,617		
2/8/2014	47,004	2/19/2014	54,223		
2/9/2014	42,863	2/20/2014	148,489		
2/10/2014	39,922	2/21/2014	43,071		
2/11/2014	38,828	2/22/2014	74,807		
TOTAL DISCHARGE :					1,666,966

March 201S DAILY FLOW VALUES

DATE	FLOW (GAL)	DATE	FLOW (GAL)	DATE	FLOW (GAL)
3/1/2014	42,276	3/12/2014	62,216	3/23/2014	58,678
3/2/2014	40,380	3/13/2014	52,318	3/24/2014	102,690
3/3/2014	39,264	3/14/2014	69,728	3/25/2014	39,475
3/4/2014	67,075	3/15/2014	71,980	3/26/2014	41,299
3/5/2014	42,545	3/16/2014	56,387	3/27/2014	56,265
3/6/2014	44,816	3/17/2014	51,318	3/28/2014	47,316
3/7/2014	39,680	3/18/2014	59,502	3/29/2014	47,335
3/8/2014	45,756	3/19/2014	52,492	3/30/2014	47,103
3/9/2014	44,282	3/20/2014	53,998	3/31/2014	76,524
3/10/2014	61,450	3/21/2014	59,530		
3/11/2014	80,218	3/22/2014	45,147		
TOTAL DISCHARGE :					1,699,043

April 2015 DAILY FLOW VALUES

DATE	AVE COND	FLOW (GAL)	DATE	AVE COND	FLOW (GAL)	DATE	AVE COND	FLOW (GAL)
4/1/2015	719	56,668	4/12/2015	834	51,433	4/23/2015	768	55,730
4/2/2015	701	39,947	4/13/2015	736	54,395	4/24/2015	911	63,865
4/3/2015	766	57,040	4/14/2015	762	45,641	4/25/2015	745	74,050
4/4/2015	780	51,704	4/15/2015	776	49,230	4/26/2015	787	68,617
4/5/2015	721	64,377	4/16/2015	767	48,951	4/27/2015	758	72,799
4/6/2015	776	44,414	4/17/2015	764	49,538	4/28/2015	951	79,115
4/7/2015	693	92,342	4/18/2015	772	57,093	4/29/2015	769	95,337
4/8/2015	692	85,156	4/19/2015	1,009	58,251	4/30/2015	776	78,472
4/9/2015	790	45,347	4/20/2015	767	64,935			
4/10/2015	784	45,018	4/21/2015	854	54,833			
4/11/2015	877	52,904	4/22/2015	794	57,163			
TOTAL DISCHARGE :								1,814,365

May 2015 DAILY FLOW VALUES

DATE	AVE COND	FLOW (GAL)	DATE	AVE COND	FLOW (GAL)	DATE	AVE COND	FLOW (GAL)
5/1/2015	814	78,352	5/12/2015	826	57,84S	5/23/2015	803	54,373
5/2/2015	801	82,056	5/13/2015	809	57,03S	5/24/2015	782	55,066
5/3/2015	836	68,205	5/14/2015	942	92,209	5/25/2015	788	58,898
5/4/2015	951	81,857	5/15/2015	793	62,513	5/26/2015	1,212	56,417
5/5/2015	790	68,254	5/16/2015	810	52,969	5/27/2015	804	51,273
5/6/2015	1,198	59,634	5/17/2015	962	61,426	5/28/2015	824	65,506
5/7/2015	801	58,786	5/18/2015	791	54,905	5/29/2015	807	70,263
5/8/2015	805	58,933	5/19/2015	806	54,073	5/30/2015	765	84,709
5/9/2015	841	65,925	5/20/2015	829	54,141	5/31/2015	838	65,411
5/10/2015	801	74,057	5/21/2015	792	57,532			
5/11/2015	995	76,221	5/22/2015	793	67,977			
TOTAL DISCHARGE :								2,006,821

June 2015 DAILY FLOW VALUES

DATE	AVE COND	FLOW (GAL)	DATE	AVE COND	FLOW (GAL)	DATE	AVE COND	FLOW (GAL)
6/1/2015	805	126,132	6/12/2015	798	71,120	6/23/2015	822	29,157
6/2/2015	803	72,205	6/13/2015	942	66,224	6/24/2015	671	55,733
6/3/2015	905	63,286	6/14/2015	874	59,443	6/25/2015	642	63,127
6/4/2015	798	82,031	6/15/2015	935	63,091	6/26/2015	971	80,418
6/5/2015	693	135,230	6/16/2015	820	61,430	6/27/2015	860	80,247
6/6/2015	693	131,935	6/17/2015	952	60,957	6/28/2015	944	73,979
6/7/2015	702	133,401	6/18/2015	795	56,698	6/29/2015	809	75,167
6/8/2015	706	135,113	6/19/2015	941	36,244	6/30/2015	943	96,381
6/9/2015	727	137,083	6/20/2015	744	51,850			
6/10/2015	764	91,318	6/21/2015	782	50,121			
6/11/2015	845	70,176	6/22/2015	647	24,487			
TOTAL DISCHARGE :								2,333,784

WASTEWATER REMOVED FROM PPG PLANT

DATE	DESCRIPTION	DESTINATION	VOLUME
None removed January - June 2015			
NOTE: Above information is obtained from oil/water separator and vehicle wash down area sources.			

WASTEWATER REMOVED FROM WASTEWATER CATCH BASIN (FRIT PIT)

DATE	TIME	DESCRIPTION	GALLONS
None removed January - June 2015			

BC Laboratories, Inc.
Environmental Testing Laboratory Since 1949

Date of Report: 07/07/2015

Keith Gaines

PPG Industries, Inc. Works 15
3333 S. Peach Ave.
Fresno, CA 93725

Client Project:	[none]
BCL Project:	Wastewater Samples
BCL Work Order:	1515352
Invoice ID:	B207570

Enclosed are the results of analyses for samples received by the laboratory on 6/23/2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Misty Orton
Client Service Rep

Authorized Signature

Table of Contents

Sample Information
Chain of Custody and Cooler Receipt form 3
Laboratory / Client Sample Cross Reference 5
Sample Results
1515352-01 - PPG Lift Station WW 24 hr Composite 6-22-15 - 6-23-15
Water Analysis (General Chemistry) 6
Metals Analysis 7
1515352-02 - PPG Lift Station WW Grab Sample
Water Analysis (General Chemistry) 8
Quality Control Reports
Water Analysis (General Chemistry)
Method Blank Analysis 9
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Precision and Accuracy 11
Metals Analysis
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The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

BC Laboratories, Inc.
Environmental Testing Laboratory Since 1949

BC Laboratories, Inc.

Chain of Custody Form

Page 1 of 1

Report To:
Client: PPG Industries
Attn: Crystal
Street Address: 3333 S. Peach
City, State, Zip: Fresno, CA. 93725
Phone: Fax:
Email Address:
Work Order #: 15-15352

Project #:
Project Name:
Sampler(s): David Rittenhouse

Analysis Requested

Please refer to the back of this page for completion instructions and method legend

Comments:

Sample #	Description	Date Sampled	Time Sampled	BOD	TSS	Cu	Fe	Pb	TCP (Tetrachlorethylene)	Field pH	Field EC	Sample Matrix: Soil	Sludge	Drinking Water	Ground Water	Waste Water	Other	Turnaround # of work days*	Notes
-1	PPG Lift Station WW 24 hr composite 6-22-15 - 6-23-15	6/23/15	1305	X	X	X	X	X	X							X		N	
	PPG Lift Station Grab Sample	6/23/15	1315							X	X					X			
	PH 8.21																		
	EC 800 umhos																		

Are there any tests with holding times less than or equal to 48 hours? [X] Yes [ ] No

* Standard Turnaround = 10 work days

SHORT HOLDING TIME: Cr^{+6} NO_2 NO_3 OP SS DO Cl_2 BOD MBAS COT

CHK BY: N DISTRIBUTION: MW

SUB-OUT [ ]

Billing [X] Same as above
Client:
Address:
City: State Zip
Attn:
PO#:

EDF Required? Geotracker [ ] Yes [ ] No
Send Copy to State of CA? (EDT) [ ] Yes [ ] No

Global ID (Needed for EDT)
System # (Needed for EDT)

Relinquished By	Date	Time	Received By	Date	Time
1.	6-23-15	1530	1.	6-23-15	16:00
2.			2.		
3.			3.		

BC Laboratories, Inc. – 4100 Atlas Ct. – Bakersfield, CA 93308 – 661.327.4911 – Fax: 661.327.1918 – www.bclabs.com

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
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Chain of Custody and Cooler Receipt Form for 1515352 Page 2 of 2

BC LABORATORIES INC. — COOLER RECEIPT FORM — Page 1 Of 1

Submission #: 15-15352

SHIPPING INFORMATION
Fed Ex ☐ UPS ☐ Ontrac ☐ Hand Delivery ☐
BC Lab Field Service ☒ Other ☐ (Specify)

SHIPPING CONTAINER
Ice Chest ☒ None ☐ Box ☐
Other ☐ (Specify)

FREE LIQUID
YES ☐ NO ☐

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☒ Comments:

All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐

COC Received ☒ YES ☐ NO

Emissivity: 0.95 Container: PE Thermometer ID: 208 Date/Time 6-23-15 1600
Temperature: (A) 0.4 °C / (C) 0.5 °C Analyst Init

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT PE UNPRES	AB									
4oz / 8oz / 16oz PE UNPRES										
2oz Cr6+										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz	C									
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PIA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz Amber EPA 548										
QT EPA 549										
QT EPA 8015M										
8oz / 16oz / 32oz AMBER										
8oz / 16oz / 32oz JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
Tedlar Bag										
FERROUS IRON										
ENCORE										
SMART KIT										
Summa Canister										

Comments:
Sample Numbering Completed By: Date/Time 6-23-15 1600
A = Actual / C = Corrected

Rev. No. 19 06/06/2015
[S:\WP\Doc\WordPerfect\LAB_DOCS\FORMS\SAMREC rev 19]

PPG Industries, Inc. Works 15 3333 S. Peach Ave. Fresno, CA 93725	**Reported:** 07/07/2015 15:58 Project: Wastewater Samples Project Number: [none] Project Manager: Keith Gaines

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1515352-01	**COC Number:**	—	**Receive Date:**	06/23/2015 16:00
	Project Number:	—	**Sampling Date:**	06/23/2015 13:05
	Sampling Location:	—	**Sample Depth:**	—
	Sampling Point:	PPG Lift Station WW 24 hr Composite 6-22-15 - 6-23-15	**Lab Matrix:**	Water
	Sampled By:	David Rittenhouse	**Sample Type:**	Wastewater
1515352-02	**COC Number:**	—	**Receive Date:**	06/23/2015 16:00
	Project Number:	—	**Sampling Date:**	06/23/2015 13:15
	Sampling Location:	—	**Sample Depth:**	—
	Sampling Point:	PPG Lift Station WW Grab Sample	**Lab Matrix:**	Water
	Sampled By:	David Rittenhouse	**Sample Type:**	Wastewater

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PPG Industries, Inc. Works 15
3333 S. Peach Ave.
Fresno, CA 93725

Reported: 07/07/2015 15:58
Project: Wastewater Samples
Project Number: [none]
Project Manager: Keith Gaines

Water Analysis (General Chemistry)

BCL Sample ID: 1515352-01 | **Client Sample Name:** PPG Lift Station WW 24 hr Composite 6-22-15 - 6-23-15, 6/23/2015 1:05:00PM, David Rittenhouse

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Total Suspended Solids (Glass Fiber)	**18**	**mg/L**	**0.50**	**0.50**	**SM-2540D**	ND		1
Biochemical Oxygen Demand - Seeded	**7.1**	**mg/L**	**1.5**	**1.5**	**SM17-5210B**			2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	SM-2540D	06/25/15	06/25/15 12:35	OJP	SC-1	1	BYF2407
2	SM17-5210B	06/24/15	06/24/15 07:20	HPR	YSI-57	1.525	BYF2609

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PPG Industries, Inc. Works 15
3333 S. Peach Ave.
Fresno, CA 93725

Reported: 07/07/2015 15:58
Project: Wastewater Samples
Project Number: [none]
Project Manager: Keith Gaines

Metals Analysis

BCL Sample ID: 1515352-01 | **Client Sample Name:** PPG Lift Station WW 24 hr Composite 6-22-15 - 6-23-15, 6/23/2015 1:05:00PM, David Rittenhouse

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Total Recoverable Copper	**18**	**ug/L**	**10**	**1.2**	**EPA-200.7**	ND		1
Total Recoverable Iron	**380**	**ug/L**	**50**	**30**	**EPA-200.7**	ND		2
Total Recoverable Lead	ND	ug/L	50	3.5	EPA-200.7	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-200.7	06/29/15	06/30/15 21:53	JRG	PE-OP2	1	BYF2582
2	EPA-200.7	06/29/15	07/06/15 10:59	JRG	PE-OP2	1	BYF2582

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PPG Industries, Inc. Works 15
3333 S. Peach Ave.
Fresno, CA 93725

Reported: 07/07/2015 15:58
Project: Wastewater Samples
Project Number: [none]
Project Manager: Keith Gaines

Water Analysis (General Chemistry)

BCL Sample ID: 1515352-02 | **Client Sample Name:** PPG Lift Station WW Grab Sample, 6/23/2015 1:15:00PM, David Rittenhouse

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Electrical Conductivity @ 25 C (Field Test)	**800**	**umhos/cm**	**1.0**	**1.0**	**EPA-120.1**			1
pH (Field Test)	**8.21**	**pH Units**	**0.05**	**0.05**	**EPA-150.1**			2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-120.1	06/23/15	06/23/15 13:15	DWR	MANUAL	1	BYF2215
2	EPA-150.1	06/23/15	06/23/15 13:15	DWR	MANUAL	1	BYF2215

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PPG Industries, Inc. Works 15 3333 S. Peach Ave. Fresno, CA 93725	**Reported:** 07/07/2015 15:58 Project: Wastewater Samples Project Number: [none] Project Manager: Keith Gaines

Water Analysis (General Chemistry)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BYF2407						
Total Suspended Solids (Glass Fiber)	BYF2407-BLK1	ND	mg/L	0.50	0.50	
QC Batch ID: BYF2609						
Biochemical Oxygen Demand - Seeded	BYF2609-BLK1	ND	mg/L	1.0	1.0	

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PPG Industries, Inc. Works 15 3333 S. Peach Ave. Fresno, CA 93725	**Reported:** 07/07/2015 15:58 Project: Wastewater Samples Project Number: [none] Project Manager: Keith Gaines

Water Analysis (General Chemistry)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BYF2609										
Biochemical Oxygen Demand - Seeded	BYF2609-BS1	LCS	178.93	198.00	mg/L	90.4		85 - 115		

PPG Industries, Inc. Works 15
3333 S. Peach Ave.
Fresno, CA 93725

Reported: 07/07/2015 15:58
Project: Wastewater Samples
Project Number: [none]
Project Manager: Keith Gaines

Water Analysis (General Chemistry)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BYF2407	Used client sample: N										
Total Suspended Solids (Glass Fiber)	DUP	1515268-01	512.00	508.00		mg/L	0.8		10		
QC Batch ID: BYF2609	Used client sample: N										
Biochemical Oxygen Demand - Seeded	DUP	1515268-01	2157.9	2043.5		mg/L	5.4		20		

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PPG Industries, Inc. Works 15 3333 S. Peach Ave. Fresno, CA 93725	**Reported:** 07/07/2015 15:58 Project: Wastewater Samples Project Number: [none] Project Manager: Keith Gaines

Metals Analysis

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BYF2582						
Total Recoverable Copper	BYF2582-BLK1	ND	ug/L	10	1.2	
Total Recoverable Iron	BYF2582-BLK2	ND	ug/L	50	30	
Total Recoverable Lead	BYF2582-BLK1	ND	ug/L	50	3.5	

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PPG Industries, Inc. Works 15
3333 S. Peach Ave.
Fresno, CA 93725

Reported: 07/07/2015 15:58
Project: Wastewater Samples
Project Number: [none]
Project Manager: Keith Gaines

Metals Analysis

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BYF2582										
Total Recoverable Copper	BYF2582-BS1	LCS	418.18	400.00	ug/L	105		85 - 115		
Total Recoverable Iron	BYF2582-BS2	LCS	1052.5	1000.0	ug/L	105		85 - 115		
Total Recoverable Lead	BYF2582-BS1	LCS	425.03	400.00	ug/L	106		85 - 115		

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PPG Industries, Inc. Works 15
3333 S. Peach Ave.
Fresno, CA 93725

Reported: 07/07/2015 15:58
Project: Wastewater Samples
Project Number: [none]
Project Manager: Keith Gaines

Metals Analysis

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BYF2582	Used client sample: Y - Description: PPG Lift Station WW 24 hr Composite 6-22-15 - 6-23-15, 06/23/2015 13:05										
Total Recoverable Copper	DUP	1515352-01	18.382	19.948		ug/L	8.2		20		
	MS	1515352-01	18.382	433.19	400.00	ug/L		104		75 - 125	
	MSD	1515352-01	18.382	440.28	400.00	ug/L	1.6	105	20	75 - 125	
Total Recoverable Iron	DUP	1515352-01	382.88	380.03		ug/L	0.7		20		
	MS	1515352-01	382.88	1354.6	1000.0	ug/L		97.2		75 - 125	
	MSD	1515352-01	382.88	1433.3	1000.0	ug/L	5.6	105	20	75 - 125	
Total Recoverable Lead	DUP	1515352-01	ND	ND		ug/L			20		
	MS	1515352-01	ND	412.36	400.00	ug/L		103		75 - 125	
	MSD	1515352-01	ND	420.44	400.00	ug/L	1.9	105	20	75 - 125	

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PPG Industries, Inc. Works 15 3333 S. Peach Ave. Fresno, CA 93725	**Reported:** 07/07/2015 15:58 Project: Wastewater Samples Project Number: [none] Project Manager: Keith Gaines

Notes And Definitions

MDL	Method Detection Limit
ND	Analyte Not Detected
PQL	Practical Quantitation Limit

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Attachment C

PPG Industries Semi-Annual Report Part 2

Date of Report: 08/21/2015

Keith Gaines

PPG Industries, Inc. Works 15
3333 S. Peach Ave.
Fresno, CA 93725

Client Project:	[none]
BCL Project:	Wastewater Samples
BCL Work Order:	1515352
Invoice ID:	B207570, B211413

Enclosed are the results of analyses for samples received by the laboratory on 6/23/2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Misty Orton
Client Service Rep

Authorized Signature

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BC Laboratories, Inc.

Chain of Custody Form

Page 1 of 1

Report To:
Client: PPG Industries
Attn: Crystal
Street Address: 3333 S. Peach
City, State, Zip: Fresno, CA. 93725
Phone: Fax:
Email Address:
Work Order #: 15-15352

Project #:
Project Name:
Sampler(s): David Rittenhouse

Analysis Requested: Please refer to the back of this page for completion instructions and method legend.

Comments:

Sample #	Description	Date Sampled	Time Sampled	BOD	TSS	Cu	Fe	Pb	TCP digestion	Field pH	Field EC	Sample Matrix (Soil / Sludge / Drinking Water / Ground Water / Waste Water / Other)	Turnaround # of work days*	Notes
1	PPG Lift Station WW 24 hr composite 6-22-15 - 6-23-15	6/23/15	1305	X	X	X	X	X	X			Waste Water	N	
	PPG Lift Station Grab Sample	6/23/15	1315							X	X	Waste Water		
	PH 8.21													
	EC 800 umhos													

Are there any tests with holding times less than or equal to 48 hours? [X] Yes [ ] No

* Standard Turnaround = 10 work days

SHORT HOLDING TIME: Cr^{+6} NO_2 NO_3 OP SS DO Cl_2 BOD MBAS COT

CHK BY: M DISTRIBUTION: SUB-OUT

Billing [X] Same as above
Client:
Address:
City: State Zip
Attn:
PO#:

EDF Required? Geotracker [ ] Yes [ ] No
Send Copy to State of CA? (EDT) [ ] Yes [ ] No

Global ID (Needed for EDF)
System # (Needed for EDT)

Relinquished By	Date	Time	Received By	Date	Time
1.	6-23-15	1530	1.	6-23-15	16:00
2.			2.		
3.			3.		

BC Laboratories, Inc. – 4100 Atlas Ct. – Bakersfield, CA 93308 – 661.327.4911 – Fax: 661.327.1918 – www.bclabs.com

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Chain of Custody and Cooler Receipt Form for 1515352 Page 2 of 2

BC LABORATORIES INC. COOLER RECEIPT FORM Page 1 Of 1

Submission #: 15-15352

SHIPPING INFORMATION
Fed Ex ☐ UPS ☐ Ontrac ☐ Hand Delivery ☐
BC Lab Field Service ☒ Other ☐ (Specify)_____

SHIPPING CONTAINER
Ice Chest ☒ None ☐ Box ☐
Other ☐ (Specify)_____

FREE LIQUID
YES ☐ NO ☐

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☒ Comments:

All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐

COC Received ☒ YES ☐ NO

Emissivity: 0.95 Container: PE Thermometer ID: 208 Date/Time 6-23-15 16:00

Temperature: (A) 0.4 °C / (C) 0.5 °C Analyst Init JB

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT PE UNPRES	AB									
4oz / 8oz / 16oz PE UNPRES										
2oz Cr^{+6}										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz	C									
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz Amber EPA 548										
QT EPA 549										
QT EPA 8015M										
8oz / 16oz / 32oz AMBER										
8oz / 16oz / 32oz JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
Tedlar Bag										
FERROUS IRON										
ENCORE										
SMART KIT										
Summa Canister										

Comments:_____
Sample Numbering Completed By: JB Date/Time: 6-23-15 1630
A = Actual / C = Corrected

Rev. No. 19 05/06/2015 [S:\WPDoc\WordPerfect\LAB_DOCS\FORMS\SAMREC rev 19]

PPG Industries, Inc. Works 15
3333 S. Peach Ave.
Fresno, CA 93725

Reported: 08/21/2015 12:41
Project: Wastewater Samples
Project Number: [none]
Project Manager: Keith Gaines

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1515352-01	**COC Number:**	---	**Receive Date:**	06/23/2015 16:00
	Project Number:	---	**Sampling Date:**	06/23/2015 13:05
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	PPG Lift Station WW 24 hr Composite 6-22-15 - 6-23-15	**Lab Matrix:**	Water
	Sampled By:	David Rittenhouse	**Sample Type:**	Wastewater
1515352-02	**COC Number:**	---	**Receive Date:**	06/23/2015 16:00
	Project Number:	---	**Sampling Date:**	06/23/2015 13:15
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	PPG Lift Station WW Grab Sample	**Lab Matrix:**	Water
	Sampled By:	David Rittenhouse	**Sample Type:**	Wastewater

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PPG Industries, Inc. Works 15
3333 S. Peach Ave.
Fresno, CA 93725

Reported: 08/21/2015 12:41
Project: Wastewater Samples
Project Number: [none]
Project Manager: Keith Gaines

Water Analysis (General Chemistry)

BCL Sample ID: 1515352-01 | **Client Sample Name:** PPG Lift Station WW 24 hr Composite 6-22-15 - 6-23-15, 6/23/2015 1:05:00PM, David Rittenhouse

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Total Suspended Solids (Glass Fiber)	**18**	**mg/L**	**0.50**	**0.50**	**SM-2540D**	ND		1
Biochemical Oxygen Demand - Seeded	**7.1**	**mg/L**	**1.5**	**1.5**	**SM17-5210B**			2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	SM-2540D	06/25/15	06/25/15 12:35	OJP	SC-1	1	BYF2407
2	SM17-5210B	06/24/15	06/24/15 07:20	HPR	YSI-57	1.525	BYF2609

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PPG Industries, Inc. Works 15
3333 S. Peach Ave.
Fresno, CA 93725

Reported: 08/21/2015 12:41
Project: Wastewater Samples
Project Number: [none]
Project Manager: Keith Gaines

Metals Analysis

BCL Sample ID: 1515352-01 | **Client Sample Name:** PPG Lift Station WW 24 hr Composite 6-22-15 - 6-23-15, 6/23/2015 1:05:00PM, David Rittenhouse

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Total Recoverable Aluminum	**160**	**ug/L**	**50**	**26**	**EPA-200.7**	ND		1
Total Recoverable Arsenic	**11**	**ug/L**	**50**	**7.8**	**EPA-200.7**	ND	**J**	2
Total Recoverable Barium	**130**	**ug/L**	**10**	**3.5**	**EPA-200.7**	ND		1
Total Recoverable Boron	**56**	**ug/L**	**100**	**10**	**EPA-200.7**	ND	**J**	2
Total Recoverable Cadmium	ND	ug/L	10	1.1	EPA-200.7	ND		2
Total Recoverable Chromium	**11**	**ug/L**	**10**	**1.2**	**EPA-200.7**	ND		1
Total Recoverable Copper	**18**	**ug/L**	**10**	**1.2**	**EPA-200.7**	ND		2
Total Recoverable Iron	**380**	**ug/L**	**50**	**30**	**EPA-200.7**	ND		3
Total Recoverable Lead	ND	ug/L	50	3.5	EPA-200.7	ND		2
Total Recoverable Mercury	ND	ug/L	0.20	0.033	EPA-245.1	ND	S05	4
Total Recoverable Nickel	ND	ug/L	10	2.3	EPA-200.7	ND		1
Total Recoverable Selenium	ND	ug/L	100	27	EPA-200.7	ND		2
Total Recoverable Silver	ND	ug/L	10	1.3	EPA-200.7	ND		1
Total Recoverable Zinc	**97**	**ug/L**	**50**	**1.3**	**EPA-200.7**	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-200.7	06/29/15	06/30/15 21:53	JRG	PE-OP2	1	BYF2582
2	EPA-200.7	06/29/15	06/30/15 21:53	JRG	PE-OP2	1	BYF2582
3	EPA-200.7	06/29/15	07/06/15 10:59	JRG	PE-OP2	1	BYF2582
4	EPA-245.1	08/12/15	08/12/15 13:06	MEV	CETAC1	1	BYH0962

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PPG Industries, Inc. Works 15
3333 S. Peach Ave.
Fresno, CA 93725

Reported: 08/21/2015 12:41
Project: Wastewater Samples
Project Number: [none]
Project Manager: Keith Gaines

Water Analysis (General Chemistry)

BCL Sample ID: 1515352-02 | **Client Sample Name:** PPG Lift Station WW Grab Sample, 6/23/2015 1:15:00PM, David Rittenhouse

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Electrical Conductivity @ 25 C (Field Test)	**800**	**umhos/cm**	**1.0**	**1.0**	**EPA-120.1**			1
pH (Field Test)	**8.21**	**pH Units**	**0.05**	**0.05**	**EPA-150.1**			2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-120.1	06/23/15	06/23/15 13:15	DWR	MANUAL	1	BYF2215
2	EPA-150.1	06/23/15	06/23/15 13:15	DWR	MANUAL	1	BYF2215

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PPG Industries, Inc. Works 15
3333 S. Peach Ave.
Fresno, CA 93725

Reported: 08/21/2015 12:41
Project: Wastewater Samples
Project Number: [none]
Project Manager: Keith Gaines

Water Analysis (General Chemistry)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BYF2407						
Total Suspended Solids (Glass Fiber)	BYF2407-BLK1	ND	mg/L	0.50	0.50	
QC Batch ID: BYF2609						
Biochemical Oxygen Demand - Seeded	BYF2609-BLK1	ND	mg/L	1.0	1.0	

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PPG Industries, Inc. Works 15
3333 S. Peach Ave.
Fresno, CA 93725

Reported: 08/21/2015 12:41
Project: Wastewater Samples
Project Number: [none]
Project Manager: Keith Gaines

Water Analysis (General Chemistry)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BYF2609										
Biochemical Oxygen Demand - Seeded	BYF2609-BS1	LCS	178.93	198.00	mg/L	90.4		85 - 115		

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PPG Industries, Inc. Works 15
3333 S. Peach Ave.
Fresno, CA 93725

Reported: 08/21/2015 12:41
Project: Wastewater Samples
Project Number: [none]
Project Manager: Keith Gaines

Water Analysis (General Chemistry)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BYF2407	Used client sample: N										
Total Suspended Solids (Glass Fiber)	DUP	1515268-01	512.00	508.00		mg/L	0.8		10		
QC Batch ID: BYF2609	Used client sample: N										
Biochemical Oxygen Demand - Seeded	DUP	1515268-01	2157.9	2043.5		mg/L	5.4		20		

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PPG Industries, Inc. Works 15
3333 S. Peach Ave.
Fresno, CA 93725

Reported: 08/21/2015 12:41
Project: Wastewater Samples
Project Number: [none]
Project Manager: Keith Gaines

Metals Analysis

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BYF2582						
Total Recoverable Aluminum	BYF2582-BLK1	ND	ug/L	50	26	
Total Recoverable Arsenic	BYF2582-BLK1	ND	ug/L	50	7.8	
Total Recoverable Barium	BYF2582-BLK1	ND	ug/L	10	3.5	
Total Recoverable Boron	BYF2582-BLK1	ND	ug/L	100	10	
Total Recoverable Cadmium	BYF2582-BLK1	ND	ug/L	10	1.1	
Total Recoverable Chromium	BYF2582-BLK1	ND	ug/L	10	1.2	
Total Recoverable Copper	BYF2582-BLK1	ND	ug/L	10	1.2	
Total Recoverable Iron	BYF2582-BLK2	ND	ug/L	50	30	
Total Recoverable Lead	BYF2582-BLK1	ND	ug/L	50	3.5	
Total Recoverable Nickel	BYF2582-BLK1	ND	ug/L	10	2.3	
Total Recoverable Selenium	BYF2582-BLK1	ND	ug/L	100	27	
Total Recoverable Silver	BYF2582-BLK1	ND	ug/L	10	1.3	
Total Recoverable Zinc	BYF2582-BLK1	ND	ug/L	50	1.3	
QC Batch ID: BYH0962						
Total Recoverable Mercury	BYH0962-BLK1	ND	ug/L	0.20	0.033	

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PPG Industries, Inc. Works 15
3333 S. Peach Ave.
Fresno, CA 93725

Reported: 08/21/2015 12:41
Project: Wastewater Samples
Project Number: [none]
Project Manager: Keith Gaines

Metals Analysis

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BYF2582										
Total Recoverable Aluminum	BYF2582-BS1	LCS	1072.0	1000.0	ug/L	107		85 - 115		
Total Recoverable Arsenic	BYF2582-BS1	LCS	204.28	200.00	ug/L	102		85 - 115		
Total Recoverable Barium	BYF2582-BS1	LCS	449.23	400.00	ug/L	112		85 - 115		
Total Recoverable Boron	BYF2582-BS1	LCS	1005.4	1000.0	ug/L	101		85 - 115		
Total Recoverable Cadmium	BYF2582-BS1	LCS	209.26	200.00	ug/L	105		85 - 115		
Total Recoverable Chromium	BYF2582-BS1	LCS	212.47	200.00	ug/L	106		85 - 115		
Total Recoverable Copper	BYF2582-BS1	LCS	418.18	400.00	ug/L	105		85 - 115		
Total Recoverable Iron	BYF2582-BS2	LCS	1052.5	1000.0	ug/L	105		85 - 115		
Total Recoverable Lead	BYF2582-BS1	LCS	425.03	400.00	ug/L	106		85 - 115		
Total Recoverable Nickel	BYF2582-BS1	LCS	429.14	400.00	ug/L	107		85 - 115		
Total Recoverable Selenium	BYF2582-BS1	LCS	206.70	200.00	ug/L	103		85 - 115		
Total Recoverable Silver	BYF2582-BS1	LCS	103.22	100.00	ug/L	103		85 - 115		
Total Recoverable Zinc	BYF2582-BS1	LCS	542.63	500.00	ug/L	109		85 - 115		
QC Batch ID: BYH0962										
Total Recoverable Mercury	BYH0962-BS1	LCS	0.93750	1.0000	ug/L	93.8		85 - 115		

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PPG Industries, Inc. Works 15
3333 S. Peach Ave.
Fresno, CA 93725

Reported: 08/21/2015 12:41
Project: Wastewater Samples
Project Number: [none]
Project Manager: Keith Gaines

Metals Analysis

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BYF2582	Used client sample: Y - Description: PPG Lift Station WW 24 hr Composite 6-22-15 - 6-23-15, 06/23/2015 13:05										
Total Recoverable Aluminum	DUP	1515352-01	156.01	150.44		ug/L	3.6		20		
	MS	1515352-01	156.01	1330.6	1000.0	ug/L		117		75 - 125	
	MSD	1515352-01	156.01	1347.3	1000.0	ug/L	1.2	119	20	75 - 125	
Total Recoverable Arsenic	DUP	1515352-01	11.165	12.964		ug/L	14.9		20		J
	MS	1515352-01	11.165	212.65	200.00	ug/L		101		75 - 125	
	MSD	1515352-01	11.165	224.89	200.00	ug/L	5.6	107	20	75 - 125	
Total Recoverable Barium	DUP	1515352-01	132.58	134.90		ug/L	1.7		20		
	MS	1515352-01	132.58	573.06	400.00	ug/L		110		75 - 125	
	MSD	1515352-01	132.58	577.26	400.00	ug/L	0.7	111	20	75 - 125	
Total Recoverable Boron	DUP	1515352-01	56.133	58.030		ug/L	3.3		20		J
	MS	1515352-01	56.133	1048.7	1000.0	ug/L		99.3		75 - 125	
	MSD	1515352-01	56.133	1063.7	1000.0	ug/L	1.4	101	20	75 - 125	
Total Recoverable Cadmium	DUP	1515352-01	ND	ND		ug/L			20		
	MS	1515352-01	ND	205.46	200.00	ug/L		103		75 - 125	
	MSD	1515352-01	ND	209.85	200.00	ug/L	2.1	105	20	75 - 125	
Total Recoverable Chromium	DUP	1515352-01	11.402	12.008		ug/L	5.2		20		
	MS	1515352-01	11.402	216.34	200.00	ug/L		102		75 - 125	
	MSD	1515352-01	11.402	219.55	200.00	ug/L	1.5	104	20	75 - 125	
Total Recoverable Copper	DUP	1515352-01	18.382	19.948		ug/L	8.2		20		
	MS	1515352-01	18.382	433.19	400.00	ug/L		104		75 - 125	
	MSD	1515352-01	18.382	440.28	400.00	ug/L	1.6	105	20	75 - 125	
Total Recoverable Iron	DUP	1515352-01	382.88	380.03		ug/L	0.7		20		
	MS	1515352-01	382.88	1354.6	1000.0	ug/L		97.2		75 - 125	
	MSD	1515352-01	382.88	1433.3	1000.0	ug/L	5.6	105	20	75 - 125	
Total Recoverable Lead	DUP	1515352-01	ND	ND		ug/L			20		
	MS	1515352-01	ND	412.36	400.00	ug/L		103		75 - 125	
	MSD	1515352-01	ND	420.44	400.00	ug/L	1.9	105	20	75 - 125	
Total Recoverable Nickel	DUP	1515352-01	ND	ND		ug/L			20		
	MS	1515352-01	ND	417.74	400.00	ug/L		104		75 - 125	
	MSD	1515352-01	ND	425.50	400.00	ug/L	1.8	106	20	75 - 125	
Total Recoverable Selenium	DUP	1515352-01	ND	ND		ug/L			20		
	MS	1515352-01	ND	217.70	200.00	ug/L		109		75 - 125	
	MSD	1515352-01	ND	229.40	200.00	ug/L	5.2	115	20	75 - 125	
Total Recoverable Silver	DUP	1515352-01	ND	ND		ug/L			20		
	MS	1515352-01	ND	100.88	100.00	ug/L		101		75 - 125	
	MSD	1515352-01	ND	102.48	100.00	ug/L	1.6	102	20	75 - 125	

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PPG Industries, Inc. Works 15
3333 S. Peach Ave.
Fresno, CA 93725

Reported: 08/21/2015 12:41
Project: Wastewater Samples
Project Number: [none]
Project Manager: Keith Gaines

Metals Analysis

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BYF2582	Used client sample: Y - Description: PPG Lift Station WW 24 hr Composite 6-22-15 - 6-23-15, 06/23/2015 13:05										
Total Recoverable Zinc	DUP	1515352-01	96.605	99.733		ug/L	3.2		20		
	MS	1515352-01	96.605	627.08	500.00	ug/L		106		75 - 125	
	MSD	1515352-01	96.605	641.21	500.00	ug/L	2.2	109	20	75 - 125	
QC Batch ID: BYH0962	Used client sample: N										
Total Recoverable Mercury	DUP	1519495-01	ND	ND		ug/L			20		
	MS	1519495-01	ND	0.90750	1.0000	ug/L		90.8		70 - 130	
	MSD	1519495-01	ND	0.90750	1.0000	ug/L	0	90.8	20	70 - 130	

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PPG Industries, Inc. Works 15 3333 S. Peach Ave. Fresno, CA 93725	**Reported:** 08/21/2015 12:41 Project: Wastewater Samples Project Number: [none] Project Manager: Keith Gaines

Notes And Definitions

J	Estimated Value (CLP Flag)
MDL	Method Detection Limit
ND	Analyte Not Detected
PQL	Practical Quantitation Limit
S05	The sample holding time was exceeded.

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Attachment D

PPG Industries Significant Noncompliance Calculations

SNC Calculations

Facility: PPG

Parameter	Reporting Month	Reported Result	Permit Limit	TRC limit conventional pollutants (permit limit x 1.4) other pollutants (permit limit x 1.2)	Violation of limit	Violation of TRC
TSS	semi-annual (June)	18 mg/L	1000 mg/L	1400 mg/L	No	No
BOD	semi-annual (June)	7.1 mg/L	1000 mg/L	1400 mg/L	No	No
Copper	semi-annual (June)	18 ug/L	5.0 mg/L	6 mg/L	No	No
Iron	semi-annual (June)	380 ug/L	1.0 mg/L	1.2 mg/L	No	No
Lead	semi-annual (June)	ND	5.0 mg/L	6 mg/L	No	No
EC	semi-annual (June)	800 umhos/cm	950 umhos/cm	1140 umhos/cm	No	No
pH	semi-annual (June)	8.21 pH units	6.0-9.0 pH units	NA	No	No
Aluminum	semi-annual (June)	160 ug/L	5 mg/L	6 mg/L	No	No
Arsenic	semi-annual (June)	11 ug/L	5 mg/L	6 mg/L	No	No
Barium	semi-annual (June)	130 ug/L	10 mg/L	12 mg/L	No	No
Boron	semi-annual (June)	56 ug/L	8 mg/L	9.6 mg/L	No	No
Cadmium	semi-annual (June)	ND	0.1 mg/L	0.12 mg/L	No	No
Chromium	semi-annual (June)	11 ug/L	5 mg/L	6 mg/L	No	No
Mercury	semi-annual (June)	ND	0.2 mg/L	0.24 mg/L	No	No
Nickel	semi-annual (June)	ND	5 mg/L	6 mg/L	No	No
Selenium	semi-annual (June)	ND	1 mg/L	1.2 mg/L	No	No
Silver	semi-annual (June)	ND	5 mg/L	6 mg/L	No	No
Zinc	semi-annual (June)	97 ug/L	5 mg/L	6 mg/L	No	No

*PPG is required to report only monthly flow

*metals analysis are reported semi-annually

Attachment E

Local Limits Plan

Thomas' Local Limits Sampling Plan

Location	Description	Sample ID	Number of sample sets
WWTF	Influent	WWTF-01	4
WWTF	Primary effluent	WWTF-02	4
WWTF	Aeration basin	WWTF-03	4
WWTF	Secondary effluent	WWTF-04	4
WWTF	Digester influent	WWTF-05	4
WWTF	Digester	WWTF-06	2
WWTF	Digester effluent	WWTF-07	2
WWTF	Biosolids	BIO	1*
SIU	Rio Bravo	SIU-01	2
SIU	Stratas Foods	SIU-02	2
SIU	PPG	SIU-03	2
SIU	Air Products	SIU-04	2
SIU	West Rock	SIU-05	2
SIU	Fresno Truck Wash	SIU-06	2
SIU	Speedy Truck Wash	SIU-07	2
SIU	Imperial Truck Wash	SIU-08	2
SIU	5th Wheel Truck Wash	SIU-09	2
SIU	SFPP LP	SIU-10	2
SIU	Georgia Pacific	SIU-11	2
Collection System	Residential	CS-01	7
Collection System	Residential	CS-02	7
Collection System	Commercial	CS-03	2
Collection System	Commercial	CS-04	2
Collection System	Commercial	CS-05	2
Collection System	Commercial	CS-06	2
		Total:	69

* Results from Biosolids testing will determine if TCLP is needed.

Sample ID specific locations:

WWTF-01:	At Parshall Flume after bar screen
WWTF-02:	Primary Clarifier launder to aeration basin influent channel
WWTF-03:	10’ from effluent end of aeration basin
WWTF-04:	Secondary Clarifier effluent
WWTF-05:	Channel from aeration basins prior to digesters
WWTF-06:	Midway of digester
WWTF-07:	Discharge pipe from digester to drying bed
All SIUs:	Designated sample point in permit
CS-01:	Manhole at corner of Calvin and Front
CS-02:	Manhole between Harding and Frank south of Muscat
CS-03:	Manhole on Bagley closest to Central
CS-04:	Manhole on Golden State closest to Chestnut
CS-05:	Manhole on Golden State closest to Central but south of Central
CS-06:	Manhole on Chestnut closest to south of Hwy 99
BIO:	Biosolids

Notes:

1. WWTF-01 shall be a 24 hour flow paced composite sample
2. WWTF-02 to WWTF-04 shall be 24 hour time paced composite samples. Start time shall be according to hydraulic detention time to capture a sample at WWTF-004 that represents the sample taken at WWTF-01.
3. WWTF-05 shall be collected one hour after WWTF-04 is collected.
4. Samples at the same location shall be taken on different days.
5. A sample set consists of a 24-hour time paced composite sample, a grab, and an in-house pH grab.

Thomas' MCWD Pollutants of Concern

Local Limits

Time Paced Composite Samples

Pollutant	Reason	Test Method	Detection Limit	Cost
Inorganics				
Ammonia, as N	EPA	EPA 350.1	1 mg/L	$ 25.00
BOD	EPA	SM5210B	2 mg/L	$ 40.00
Chloride	WDR	EPA 300.0	2 mg/L	$ 15.00
Electroconductivity	WDR	SM2510B	1 u-ohm/cm	$ 15.00
MBAS	Concern	SM5540C	0.05 mg/L	$ 35.00
Nitrate, as N	WDR	EPA 300.0	1 mg/L	$ 15.00
Nitrite, as N	WDR	EPA 300.0	1 mg/L	$ 15.00
Phosphorus	Biosolids	EPA 365.1	0.1 mg/L	$ 35.00
TDS	Concern	SM2540C	5 mg/L	$ 15.00
TSS	EPA	SM2540D	1 mg/L	$ 15.00
Metals				
Aluminum	LL	EPA 200.7	0.05 mg/L	$ 15.00
Arsenic	EPA/LL	EPA 200.8	1 u-g/L	$ 15.00
Barium	LL	EPA 200.7	0.05 mg/L	$ 15.00
Boron	LL	EPA 200.7	0.05 mg/L	$ 15.00
Cadmium	EPA/LL	EPA 200.8	0.05 u-g/L	$ 15.00
Chromium	EPA/LL	EPA 200.8	1 u-g/L	$ 15.00
Copper	EPA/LL	EPA 200.8	2 u-g/L	$ 15.00
Iron	LL	EPA 200.7	0.03 mg/L	$ 15.00
Lead	EPA/LL	EPA 200.8	0.5 u-g/L	$ 15.00
Mercury	EPA/LL	EPA 245.1	0.5 u-g/L	$ 40.00
Molybdenum	EPA/LL	EPA 200.8	0.05 mg/L	$ 15.00
Nickel	EPA/LL	EPA 200.8	1 u-g/L	$ 15.00
Selenium	EPA/LL	EPA 200.8	1 u-g/L	$ 15.00
Silver	EPA/LL	EPA 200.8	1 u-g/L	$ 15.00
Zinc	EPA/LL	EPA 200.8	5 u-g/l	$ 15.00

pH was omitted due to holding time
pH will be analyzed in-house

Cost per sample $ 475.00
Total samples 69
Total cost $ 32,775.00

Results from biosolids testing will determine if TCLP is needed

Grab Samples

Pollutant	Reason	Test Method	Detection Limit	Cost
Cyanide	EPA	SM4500	5 ug/L	$ 35.00
Phenol	LL	EPA 625	1 u-g/L	$ 75.00
Semi-Volatile Organics				
FOG (Fats, Oil, Grease)		EPA 1664	1 mg/L	$ 65.00
Volatile Organics				
Benzene	LL	EPA 624	1 u-g/L	$ 90.00

Cost per sample $ 265.00
Total samples 69
Total cost $ 18,285.00

new total $ 51,060.00
original total $ 51,340.00
difference $ 280.00

Thomas' Local Limits Sampling Schedule Collection System

all dates are subject to change;
all dates are chosen for the purpose of exemplifying local limits recommendations

Location	24 hour Time Paced Composite Sample Start Date/Time	Day of the Week	Sample Type	Time Sample was collected	Sample ID #	Total Flow	Time pH was analyzed	pH results	Date Results Received
CS-03	Start: Nov 9, 2015 10:00 am Collect: Nov 10, 2015 10:00 am	Start: Monday Collect: Tuesday	24 hr TPC		CS-03.(date)TPC				
			Grab		CS-03.(date)G				
			pH Grab		CS-0.3(date)pH				
CS-03	Start: Feb 17, 2016 2:00 pm Collect: Feb 18, 2016 2:00 pm	Start: Wednesday Collect: Thursday	24 hr TPC		CS-03.(date)TPC				
			Grab		CS-03.(date)G				
			pH Grab		CS-0.3(date)pH				
CS-04	Start: Nov 9, 2015 2:00 pm Collect: Nov 10, 2015 2:00 pm	Start: Monday Collect: Tuesday	24 hr TPC		CS-04.(date)TPC				
			Grab		CS-04.(date)G				
			pH Grab		CS-04.(date)pH				
CS-04	Start: Feb 17, 2016 10:00 am Collect: Feb 18, 2016 10:00 am	Start: Wednesday Collect: Thursday	24 hr TPC		CS-04.(date)TPC				
			Grab		CS-04.(date)G				
			pH Grab		CS-04.(date)pH				
CS-05	Start: Nov 11, 2015 10:00 am Collect: Nov 12, 2015 10:00 am	Start: Wednesday Collect: Thursday	24 hr TPC		CS-05.(date)TPC				
			Grab		CS-05.(date)G				
			pH Grab		CS-05.(date)pH				
CS-05	Start: Feb 15, 2016 2:00 pm Collect: Feb 16, 2016 2:00 pm	Start: Monday Collect: Tuesday	24 hr TPC		CS-05.(date)TPC				
			Grab		CS-05.(date)G				
			pH Grab		CS-05.(date)pH				
CS-06	Start: Nov 11, 2015 2:00 pm Collect: Nov 12, 2015 2:00 pm	Start: Wednesday Collect: Thursday	24 hr TPC		CS-06.(date)TPC				
			Grab		CS-06.(date)G				
			pH Grab		CS-06.(date)pH				
CS-06	Start: Feb 15, 2016 10:00 am Collect: Feb 16, 2016 10:00 am	Start: Monday Collect: Tuesday	24 hr TPC		CS-06.(date)TPC				
			Grab		CS-06.(date)G				
			pH Grab		CS-06.(date)pH				
CS-01	Start: Oct 26, 2015 10:00 am Collect: Oct 27, 2015 10:00 am	Start: Monday Collect: Tuesday	24 hr TPC		CS-01.(date)TPC				
			Grab		CS-01.(date)G				
			pH Grab		CS-01.(date)pH				
CS-01	Start: Nov 24, 2015 2:00 pm Collect: Nov 25, 2015 2:00 pm	Start: Tuesday Collect: Wednesday	24 hr TPC		CS-01.(date)TPC				
			Grab		CS-01.(date)G				
			pH Grab		CS-01.(date)pH				
CS-01	Start: Dec 9, 2015 10:00 am Collect: Dec 10, 2015 10:00 am	Start: Wednesday Collect: Thursday	24 hr TPC		CS-01.(date)TPC				
			Grab		CS-01.(date)G				
			pH Grab		CS-01.(date)pH				
CS-01	Start: Jan 14, 2016 2:00 pm Collect: Jan 15, 2016 2:00 pm	Start: Thursday Collect: Friday	24 hr TPC		CS-01.(date)TPC				
			Grab		CS-01.(date)G				
			pH Grab		CS-01.(date)pH				
CS-01*	Start: Feb 19, 2016 2:00 pm Collect: Feb 20, 2016 2:00 pm	Start: Friday Collect: Saturday	24 hr TPC		CS-01.(date)TPC				
			Grab		CS-01.(date)G				
			pH Grab		CS-01.(date)pH				
CS-01	Start: Mar 12, 2016 2:00 pm Collect: Mar 13, 2016 2:00 pm	Start: Saturday Collect: Sunday	24 hr TPC		CS-01.(date)TPC				
			Grab		CS-01.(date)G				
			pH Grab		CS-01.(date)pH				
CS-01	Start: Apr 3, 2016 10:00 am Collect: Apr 4, 2016 10:00 am	Start: Sunday Collect: Monday	24 hr TPC		CS-01.(date)TPC				
			Grab		CS-01.(date)G				
			pH Grab		CS-01.(date)pH				
CS-02	Start: Oct 26, 2015 2:00 pm Collect: Oct 27, 2015 2:00 pm	Start: Monday Collect: Tuesday	24 hr TPC		CS-02.(date)TPC				
			Grab		CS-02.(date)G				
			pH Grab		CS-02.(date)pH				
CS-02	Start: Nov 24, 2015 10:00 am Collect: Nov 25, 2015 10:00 am	Start: Tuesday Collect: Wednesday	24 hr TPC		CS-02.(date)TPC				
			Grab		CS-02.(date)G				
			pH Grab		CS-02.(date)pH				
CS-02	Start: Dec 9, 2015 2:00 pm Collect: Dec 10, 2015 2:00 pm	Start: Wednesday Collect: Thursday	24 hr TPC		CS-02.(date)TPC				
			Grab		CS-02.(date)G				
			pH Grab		CS-02.(date)pH				
CS-02	Start: Jan 14, 2016 10:00 am Collect: Jan 15, 2016 10:00 am	Start: Thursday Collect: Friday	24 hr TPC		CS-02.(date)TPC				
			Grab		CS-02.(date)G				
			pH Grab		CS-02.(date)pH				
CS-02*	Start: Feb 19, 2016 4:00 pm Collect: Feb 20, 2016 4:00 pm	Start: Friday Collect: Saturday	24 hr TPC		CS-02.(date)TPC				
			Grab		CS-02.(date)G				
			pH Grab		CS-02.(date)pH				
CS-02	Start: Mar 12, 2016 10:00 am Collect: Mar 13, 2016 10:00 am	Start: Saturday Collect: Sunday	24 hr TPC		CS-02.(date)TPC				
			Grab		CS-02.(date)G				
			pH Grab		CS-02.(date)pH				
CS-02	Start: Apr 3, 2016 2:00 pm Collect: Apr 4, 2016 2:00 pm	Start: Sunday Collect: Monday	24 hr TPC		CS-02.(date)TPC				
			Grab		CS-02.(date)G				
			pH Grab		CS-02.(date)pH				

Thomas' Local Limits Sampling Schedule SIUs all dates are subject to change

SIU	24 hour Time Paced Composite Sample Start Date/Time	Day of the Week	Sample Type	Time sample was collected	Sample ID #	Total Flow	Time pH was analyzed	pH results	Date Results Received
Rio Bravo	Start: Oct 19, 2015 10:00 am Collect: Oct 20, 2015 10:00 am	Start: Monday Collect: Tuesday	24 hr TPC		RB.(Date)TPC				
			Grab		RB.(Date)G				
			pH Grab		RB.(Date)pH				
Rio Bravo	Start: Mar 9, 2016 2:00 pm Collect: Mar 10, 2016 2:00 pm	Start: Wednesday Collect: Thursday	24 hr TPC		RB.(Date)TPC				
			Grab		RB.(Date)G				
			pH Grab		RB.(Date)pH				
Stratas Foods	Start: Oct 19, 2015 2:00 pm Collect: Oct 20, 2015 2:00 pm	Start: Monday Collect: Tuesday	Grab		SF.(date)G				
			pH Grab		SF.(date)pH				
Stratas Foods	Start: Mar 9, 2016 10:00 am Collect: Mar 10, 2016 10:00 am	Start: Wednesday Collect: Thursday	Grab		SF.(date)G				
			pH Grab		SF.(date)pH				
PPG	Start: Oct 21, 2015 10:00 am Collect: Oct 22, 2015 10:00 am	Start: Wednesday Collect: Thursday	24 hr TPC		PPG.(date)TPC				
			Grab		PPG.(date)G				
			pH Grab		PPG.(date)pH				
PPG	Start: Mar 14, 2016 2:00 pm Collect: Mar 15, 2016 2:00 pm	Start: Monday Collect: Tuesday	24 hr TPC		PPG.(date)TPC				
			Grab		PPG.(date)G				
			pH Grab		PPG.(date)pH				
Air Products	Start: Nov 4, 2015 2:00 pm Collect: Nov 5, 2015 2:00 pm	Start: Wednesday Collect: Thursday	24 hr TPC		AP.(date)TPC				
			Grab		AP.(date)G				
			pH Grab		AP.(date)pH				
Air Products	Start: Mar 14, 2016 10:00 am Collect: Mar 15, 2016 10:00 am	Start: Monday Collect: Tuesday	24 hr TPC		AP.(date)TPC				
			Grab		AP.(date)G				
			pH Grab		AP.(date)pH				
Rock Tenn	Start: Oct 26, 2015 10:00 am Collect: Oct 27, 2015 10:00 am	Start: Monday Collect: Tuesday	Grab		RT.(date)G				
			pH Grab		RT.(date)pH				
Rock Tenn	Start: Mar 16, 2016 2:00 pm Collect: Mar 17, 2016 2:00 pm	Start: Wednesday Collect: Thursday	Grab		RT.(date)G				
			pH Grab		RT.(date)pH				
Fresno Truck Wash	Start: Oct 26, 2015 2:00 pm Collect: Oct 27, 2015 2:00 pm	Start: Monday Collect: Tuesday	24 hr TPC		FTW.(date)TPC				
			Grab		FTW.(date)G				
			pH Grab		FTW.(date)pH				
Fresno Truck Wash	Start: Mar 16, 2016 10:00 am Collect: Mar 17, 2016 10:00 am	Start: Wednesday Collect: Thursday	24 hr TPC		FTW.(date)TPC				
			Grab		FTW.(date)G				
			pH Grab		FTW.(date)pH				
Speedy Truck Wash	Start: Oct 28, 2015 10:00 am Collect: Oct 29, 2015 10:00 am	Start: Wednesday Collect: Thursday	24 hr TPC		STW.(date)TPC				
			Grab		STW.(date)G				
			pH Grab		STW.(date)pH				
Speedy Truck Wash	Start: Mar 21, 2016 2:00 pm Collect: Mar 22, 2016 2:00 pm	Start: Monday Collect: Tuesday	24 hr TPC		STW.(date)TPC				
			Grab		STW.(date)G				
			pH Grab		STW.(date)pH				
Imperial Truck Wash	Start: Oct 28, 2015 2:00 pm Collect: Oct 29, 2015 2:00 pm	Start: Wednesday Collect: Thursday	24 hr TPC		ITW.(date)TPC				
			Grab		ITW.(date)G				
			pH Grab		ITW.(date)pH				
Imperial Truck Wash	Start: Mar 21, 2016 10:00 am Collect: Mar 22, 2016 10:00 am	Start: Monday Collect: Tuesday	24 hr TPC		ITW.(date)TPC				
			Grab		ITW.(date)G				
			pH Grab		ITW.(date)pH				
5th Wheel Truck Wash	Start: Nov 2, 2015 10:00 am Collect: Nov 3, 2015 10:00 am	Start: Monday Collect: Tuesday	24 hr TPC		5WTW.(date)TPC				
			Grab		5WTW.(date)G				
			pH Grab		5WTW.(date)pH				
5th Wheel Truck Wash	Start: Mar 23, 2016 2:00 pm Collect: Mar 24, 2016 2:00 pm	Start: Wednesday Collect: Thursday	24 hr TPC		5WTW.(date)TPC				
			Grab		5WTW.(date)G				
			pH Grab		5WTW.(date)pH				
Kinder Morgan	Start: Nov 2, 2015 2:00 pm Collect: Nov 3, 2015 2:00 pm	Start: Monday Collect: Tuesday	Grab		KM.(date)G				
			pH Grab		KM.(date)pH				
Kinder Morgan	Start: Mar 23, 2016 10:00 am Collect: Mar 24, 2016 10:00 am	Start: Wednesday Collect: Thursday	Grab		KM.(date)G				
			pH Grab		KM.(date)pH				
Georgia Pacific	Start: Nov 4, 2015 10:00 am Collect: Nov 5, 2015 10:00 am	Start: Wednesday Collect: Thursday	Grab		GP.(date)G				
			pH Grab		GP.(date)pH				
Georgia Pacific	Start: Mar 28, 2016 2:00 am Collect: Mar 29, 2016 2:00 am	Start: Monday Collect: Tuesday	Grab		GP.(date)G				
			pH Grab		GP.(date)pH				

A 24-hr TPC cannot be obtained from Batch Dischargers. Only grab and pH grab samples can be collected.

<u>Batch Dischargers</u>

Georgia Pacific
Kinder Morgan
Rocktenn
Stratas Foods

Thomas' Local Limits Sampling Schedule WWTF

Location	Number of Sample Sets	Sample Type	Date/Time Start Composite Sampler	Date/Time Collect Sample	Start Day	Sample ID #	Total Flow	Time pH was analyzed	pH results	Date results received
WWTF-01 At Parshall Flume after bar screen	1	24 FPC				WWTF-01.(date)FPC				
		Grab-C				WWTF-01.(date)G				
		pH Grab				WWTF-01.(date)pH				
	2	24 FPC				WWTF-01.(date)FPC				
		Grab-C				WWTF-01.(date)G				
		pH Grab				WWTF-01.(date)pH				
	3	24 FPC				WWTF-01.(date)FPC				
		Grab-C				WWTF-01.(date)G				
		pH Grab				WWTF-01.(date)pH				
	4	24 FPC				WWTF-01.(date)FPC				
		Grab-C				WWTF-01.(date)G				
		pH Grab				WWTF-01.(date)pH				
WWTF-02 Primary Clarifier launder to aeration basin influent channel	1	24 TPC				WWTF-02.(date)TPC				
		Grab-C				WWTF-02.(date)G				
		pH Grab				WWTF-02.(date)pH				
	2	24 TPC				WWTF-02.(date)TPC				
		Grab-C				WWTF-02.(date)G				
		pH Grab				WWTF-02.(date)pH				
	3	24 TPC				WWTF-02.(date)TPC				
		Grab-C				WWTF-02.(date)G				
		pH Grab				WWTF-02.(date)pH				
	4	24 TPC				WWTF-02.(date)TPC				
		Grab-C				WWTF-02.(date)G				
		pH Grab				WWTF-02.(date)pH				
WWTF-03 10' from effluent end of aeration basin	1	24 TPC				WWTF-03.(date)TPC				
		Grab-C				WWTF-03.(date)G				
		pH Grab				WWTF-03.(date)pH				
	2	24 TPC				WWTF-03.(date)TPC				
		Grab-C				WWTF-03.(date)G				
		pH Grab				WWTF-03.(date)pH				
	3	24 TPC				WWTF-03.(date)TPC				
		Grab-C				WWTF-03.(date)G				
		pH Grab				WWTF-03.(date)pH				
	4	24 TPC				WWTF-03.(date)TPC				
		Grab-C				WWTF-03.(date)G				
		pH Grab				WWTF-03.(date)pH				
WWTF-04 Secondary Clarifier effluent	1	24 TPC				WWTF-04.(date)TPC				
		Grab-C				WWTF-04.(date)G				
		pH Grab				WWTF-04.(date)pH				
	2	24 TPC				WWTF-04.(date)TPC				
		Grab-C				WWTF-04.(date)G				
		pH Grab				WWTF-04.(date)pH				
	3	24 TPC				WWTF-04.(date)TPC				
		Grab-C				WWTF-04.(date)G				
		pH Grab				WWTF-04.(date)pH				
	4	24 TPC				WWTF-04.(date)TPC				
		Grab-C				WWTF-04.(date)G				
		pH Grab				WWTF-04.(date)pH				
WWTF-05 Channel from aeration basins prior to digesters	1	24 TPC				WWTF-05.(date)TPC				
		Grab-C				WWTF-05.(date)G				
		pH Grab				WWTF-05.(date)pH				
	2	24 TPC				WWTF-05.(date)TPC				
		Grab-C				WWTF-05.(date)G				
		pH Grab				WWTF-05.(date)pH				
	3	24 TPC				WWTF-05.(date)TPC				
		Grab-C				WWTF-05.(date)G				
		pH Grab				WWTF-05.(date)pH				
	4	24 TPC				WWTF-05.(date)TPC				
		Grab-C				WWTF-05.(date)G				
		pH Grab				WWTF-05.(date)pH				
WWTF-06 Midway of digester	1	24 TPC				WWTF-06.(date)TPC				
		Grab				WWTF-06.(date)G				
		pH Grab				WWTF-06.(date)pH				
	2	24 TPC				WWTF-06.(date) TPC				
		Grab				WWTF-06.(date)G				
		pH Grab				WWTF-06.(date)pH				
WWTF-07 Discharge pipe from digester to drying bed	1	Grab				WWTF-07.(date)G				
		pH Grab				WWTF-07.(date)pH				
	2	Grab				WWTF-07.(date)G				
		pH Grab				WWTF-07.(date)pH				
BIO Biosolids	1	Grab				BIO.(date)G				
		pH Grab				BIO.(date)pH				

Total Sample Sets= 25

24 FPC = 24 hour flow paced composite
24 TPC = 24 hour time paced composite
Results from Biosolids testing will determine if TCLP is needed

Detention Time @ 0.60 Mgal/Day

Location	DT
Primary Clarifier	4.5 hours
Aeration Basin (2)	20.0 hours
Secondary Clarifier (2)	6.4 hours

Attachment F

Compliance Order for RV sales facility

MALAGA COUNTY WATER DISTRICT

3580 SOUTH FRANK STREET - FRESNO, CALIFORNIA 93725
PHONE: 559-485-7353 - FAX: 559-485-7319

BOARD OF DIRECTORS

CHARLES E. GARABEDIAN JR **PRESIDENT** | SALVADOR CERRILLO **VICE-PRESIDENT** | IRMA CASTANEDA **DIRECTOR** | FRANK CERRILLO JR **DIRECTOR** | CARLOS TOVAR JR. **DIRECTOR**

JIM ANDERSON- **GENERAL MANAGER**

14 October 2015

COMPLIANCE ORDER

Paul Evert's RV Country
3633 S. Maple
Fresno, CA 93725
Permit #1062

On August 24, 2015, the Environmental Compliance Inspector made a site visit to Paul Evert's RV Country to investigate the possible discharge of domestic waste, or sewage, into the Malaga County Water District's collection system. It was determined that Paul Evert's RV Country provides a service for customers in which domestic waste stored in holding tanks are allowed to be discharged into District's sewer system. However, discharge activity was not being documented nor were any records available during the site visit that would characterize such discharge.

It is essential to the District's Pretreatment Program to identify sources of discharge and to quantify such discharge in order to determine potential impacts to our Publicly Owned Treatment Works (POTW) or wastewater treatment plant. Large volumes of domestic waste discharge can result in an organic loading with the potential to interfere with the biological processes and operations of the POTW. Therefore, the District is issuing this compliance order and requiring Paul Evert's RV Country to develop a recordkeeping plan so that reports characterizing discharge activity can be submitted to the District on a monthly basis.

A plan for recordkeeping is required to be submitted to the District by December 14, 2015. Failure to provide a plan by the due date can result in a citation. At a minimum, the plan shall include the names and contact information of personnel responsible for the discharge process, the procedures for submitting reports every calendar month, and the procedures to record the following from each discharge:

1. The volume
2. The date discharge occurred
3. The time discharge occurred

Monthly reports shall contain an appropriate signature and the following statement:
"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or

persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Monthly reports shall be submitted to the following address:
Malaga County Water District
3850 S. Frank Ave.
Fresno, CA 93725

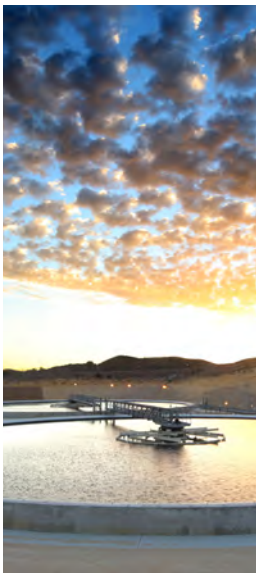
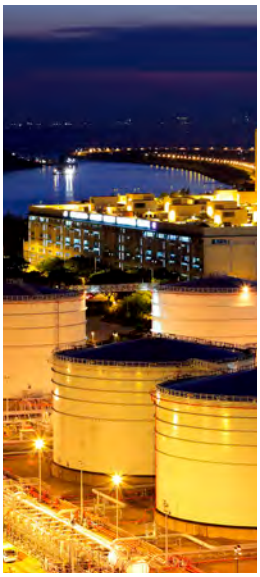
For any questions, please contact the Environmental Compliance Inspector at (559)547-9797.

Respectfully,

J. D. Anderson
J. D. Anderson
General Manager

Attachment G

Copper, Cyanide, and Nitrate plus Nitrite Pollution Prevention Plan

Malaga County Water District Copper, Cyanide, and Nitrate plus Nitrite Pollution Prevention Plan

Prepared for:

Regional Water Quality Control Board Central Valley Region

On Behalf of:

Malaga County Water District Wastewater Treatment Facility

Malaga County Water District

7086 N. Maple Avenue, Suite 101 Fresno California 93720

088505 | 01 | Report No 2 | July 31 2015

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2. Existing Treatment and Water Quality 1
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4. Estimate of Copper and Cyanide Sources 2
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1. Introduction

This document addresses the Pollution Prevention Plan (PPP) requirements described within the Waste Discharge Requirements (WDRs) R5-2014-0145, and whose requirements are described in the Cease and Desist Order (CDO) R5-2014-0146 for the Malaga County Water District Wastewater Treatment Plant (MCWDWTP) adopted by the Central Valley Regional Water Quality Control Board (Regional Water Board) on December 4, 2014.

Under the CDO, the Malaga County Water District (MCWD) is required to prepare a copper, cyanide, and nitrate plus nitrite (as N) PPP for submittal to the Regional Water Quality Control Board. This PPP serves to fulfill the CDO requirements and provisions of the California Water Code (CWC) Section 13263.3, and will provide guidance to the MCWDWTP for continued monitoring, evaluation and compliance to avoid or minimize adverse discharge of copper, cyanide, and nitrate plus nitrite.

2. Existing Treatment and Water Quality

The Malaga County Water District operates the MCWDWTP serving a resident population of approximately 1,300. Source water supply is provided by well water. Based on source water samples collected in September 2013, the source water exhibits naturally occurring levels of Copper at a level of 0.036 µg/L. Testing for Cyanide and Nitrate plus Nitrite has not been completed to date. Further monitoring of finished potable water should be conducted to further assess the concentrations.

3. Discharge Water Quality Regulatory Requirements

The Basin Plan includes a water quality objective for chemical constituents that at a minimum, requires waters designated as domestic or municipal supply to remain below maximum contaminant levels (MCLs) specified in the provisions of Title 22, California Code of Regulations: Sections 64431, 64444, and 64449; Tables 64431-A, 64431-B, 64444-A, 64449-A, 64449-B. The Basin Plan's incorporation of these provisions by reference is prospective, and includes future changes to the incorporated provisions as the changes occur. The Basin Plan recognizes that the Regional Water Board may apply limits more stringent than MCLs to ensure that waters do not contain chemical constituents in concentrations that adversely affect beneficial uses.

The interim effluent limitations and the effluent limitations are listed below.

Table 3.1 Interim Effluent Limitations

Parameter	Units	MEC	Number of Samples	Interim Limitation
Copper, Total Recoverable	µg/L	41	36	70
Cyanide, Total (as CN)	µg/L	6.6	27	14
Nitrate plus Nitrite (as N)	mg/L	20	26	26

Table 3.2 Effluent Limitations

Parameter	Effluent Limitations				
	Units	Average Monthly	Maximum Daily	Instantaneous Minimum	Instantaneous Maximum
Copper, Total Recoverable	µg/L	6.5	12	--	--
Cyanide, Total (as CN)	µg/L	4.2	8.7	--	--
Nitrate as Nitrite (as N)	mg/L	10	--	--	--

Mean levels of copper, cyanide, and nitrate plus nitrite (as N) were calculated to be 21 µg/L, 2.8 µg/L, and 14 mg/L using the above effluent data from January 2010 through December 2013.

4. Estimate of Copper and Cyanide Sources

MCWDWTP ceased discharging to Central Canal around December of 2013. Since the WTP has not discharging to Central Canal, the facility has not been analyzing the effluent for copper or cyanide per the WDR and associated Monitoring and Reporting Program (MRP). It is also not fully known if these contaminants are present in the source waters. A further examination of the source water and treatment processes needs to be conducted to identify if the source of both contaminants is associated with source water or chemical addition from industrially discharge or facility processes. Additionally, MCWD is in the process of conducting a Local Limits Study which will assist in determining the source of the contaminants. Source control would be the preferred method of treatment; however additional information will be needed to determine source and feasibility.

5. Pollution Prevention Alternatives

Pollution prevention alternatives cannot be determined until further characterization of the sources (influent) and processes is completed. As stated above the WTP is not discharging to Central Canal, which will allow more time for characterization and determination of appropriate prevention alternatives.

The treatment feasibility of copper and cyanide is dependent upon the concentration of the target constituents and the target removal levels. Treatment technologies and techniques are available that can be implemented to reduce the levels. These include operational approaches such as mixing, coagulation and sedimentation optimization and treatment technologies such as pH adjustment, greensand filtration, and membrane filtration, ion exchange, oxidation, and aeration.

As required by the CDO, the PPP will evaluate the potential of selected approaches to reduce copper and cyanide and be provided to the Regional Water Board. Consultation with the Regional Water Board will discuss alternative methods and relative effectiveness, and will identify a preferred method for potential pollution prevention.

For the pollution prevention methods selected, MCWD will evaluate the capital, operational, and maintenance costs and time required for implementation. The individual tasks required to implement

the PPP will also be identified. The cost and time needed to implement each of the alternative pollution prevention tasks will also be identified.

6. Estimate of Load Reductions through Pollution Prevention Alternatives

All of the copper, cyanide, and nitrogen present in the MCWDWTP discharge originate from the influent or source waters. Therefore a change in source control operations will reduce the constituent loading. If source control cannot be achieved, the pollution prevention will need to be achieved through filtration for a reduction in concentration at the point of discharge.

Considering filtration options, load reduction could vary from 90-100% load reduction which would meet regulatory requirements should MCWD resume discharge to Central Canal. Options and approaches to meet the discharge permit requirements will be investigated during the Local Limits Study to be submitted to RWQCB by April 1, 2009.

7. Water Quality Monitoring Plan

Sampling can occur at a number of places between the source of raw water, the conveyance to human and industrial use, and the discharge of effluent. The purpose for multiple sample collection points is to assess the changes in target concentration.

An effective sampling and monitoring plan requires data covering a range of operational conditions. WTP staff will implement a sampling plan to gather samples at several locations within the treatment process to identify when and where these constituents appear. To confirm the sources and verify subsequent reduction of these constituents, water quality data will be collected at locations throughout the system.

Collecting raw water prior to any treatment will provide a background characterization of the source water. Knowledge of the chemical makeup for all additions to the process will provide further understanding of the sources of potential sources of these constituents.

8. Pollution Prevention Goals and Strategies

The MCWDWTP pollution prevention goals will be to reduce the concentration of copper, cyanide, and nitrogen to below levels outlined by the discharge permit or to remove the minerals from the discharge stream after treatment, but prior to discharge. A short-list of methods will be developed addressing effectiveness, cost, and schedules to prevent pollution. The short listed methods will be reviewed by the MCWD, and linked to the goals and priorities for both short- and long-term action, as well as the intended pollution prevention activities for the intermediate future.

9. Existing Pollution Prevention Programs

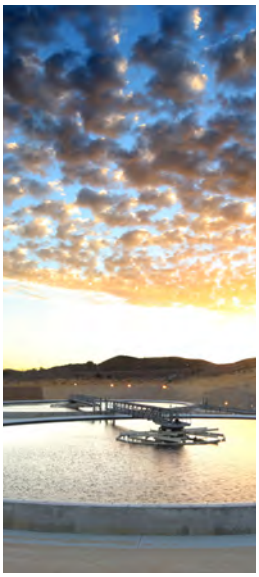
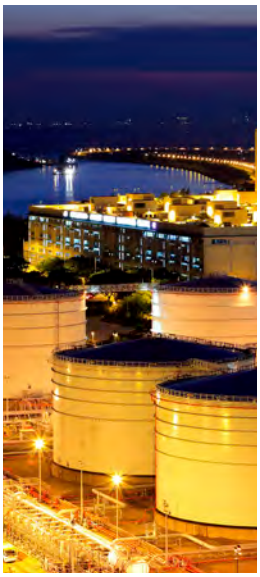
MCWD is currently working on modifications to the aeration basins to provide denitrification. MCWD is also in the process of collecting distribution system sampling to further characterize the source of

copper and cyanide. As such, pollution prevention will need to be further assessed following the sampling program.

www.ghd.com

Attachment H

Salinity Minimization Plan

Salinity Minimization Plan

Malaga County Water District
(WDR Order No R5-2014-0145)
(NPDES Order No CA0084239)
3749 South Maple Avenue
Fresno, California

Malaga County Water District Wastewater Treatment Facility

7086 N. Maple Avenue, Suite 101 Fresno California 93720
088505 | 01 | Report No 3 | September 02 2015

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1. Introduction

This Salinity Minimization Plan was prepared by GHD Services Inc. (GHD) on behalf of the Malaga County Water District Wastewater Treatment Facility (Malaga) located in Fresno County California. The Salinity Minimization Plan is to serve as a work plan to outline the process to be followed to control and minimize salinity as required by the California Regional Water Quality Control Board Central Valley Region (RWQCB) in order to comply with WDR R5-2014-0145 to maintain wastewater discharges as follows:

- 0.85 MGD from discharge point 002 (land discharge).
- Electrical conductivity (EC) of source water plus 500 µmhos/cm.
- Additional limits as stated in Table 5 of Order No WDR R5-2014-0145.

The minimum requirements for the Salinity Evaluation and Minimization Plan are:

a. Identify and address sources of salinity to and from the facility.

b. Include sources to the facility, including sources from industrial users.

c. Include sources at the facility (e.g., chemical additions).

The requirements are discussed in the following sections. Current measures being considered are discussed in sections 5, 6 and 7. As needs for salinity reduction and treatment increases for processes, viable salinity treatment options not included here may become available in the next few years. As salinity minimization plan work progresses, other salinity control options may be reviewed and considered and no one potential option listed in this plan should be considered as a preferred method or a commitment to implement. All the options currently under consideration are expensive to design, install, and operate. Supplemental funding from local, state or federal sources will likely be required.

2. Facility Description

The Malaga facility (Site) is located at 3749 South Maple Avenue, Fresno, California. The Site is operating as a Publicly-Owned Treatment Works (POTW) wastewater treatment facility. The facility provides sewerage service to the community of Malaga, which serves a population of approximately 1,300 residents and several industrial facilities. The design daily average flow treatment capacity of the Site is 1.2 million gallons per day. Currently, the non-residential flows (i.e., industrial users) comprise approximately 90% of the flows to the Site.

3. Current Facility Operations

The Malaga facility receives raw sewage from residential homes and commercial facilities. The waste stream is treated prior to discharge to on-Site disposal ponds. The treatment process consists of three screw pumps, bar screen, grit chamber, flocculation tank, primary clarifier/dissolved air flotation unit, three activated sludge aeration basins and three secondary sedimentation basins. Secondary-treated wastewater is discharged to eight onsite disposal ponds.

Sludge handling includes two aerobic sludge digesters, sludge thickening tank, three soil-cement lined sludge drying beds, and a lined holding area for dried biosolids. Dried biosolids are hauled off-site.

3.1 Existing Salinity Control Measures

Consistent with industry practices and standards, Malaga has implemented measures to reduce and control salinity in the process water. These measures include:

- Chemical evaluation and replacement
- Water Conservation
- Equipment replacement and upgrades
- Ongoing process water characterization

4. Potential Salinity Sources

This section describes the potential salinity sources at the Malaga Facility. The Malaga Facility is required to maintain the regulatory limit for EC of the source water plus 500 as measured from the discharge point (002) prior to discharge to the disposal ponds. EC is a measure of the ability of water to pass an electrical current. EC in water is affected by the presence of inorganic dissolved solids such as chloride, nitrate, sulfate, and phosphate anions (ions that carry a negative charge) or sodium, magnesium, calcium, iron, and aluminum cations (ions that carry a positive charge). Organic compounds like oil, phenol, alcohol, and sugar are poor conductors therefore have a low conductivity when in water.

The main sources of salinity as measured as EC in the waste stream are anticipated to include:

- Industrial dischargers
- Chemicals added to processes

The effluent, as measured from discharge point 002, has an average EC value of approximately 816 µmhos/cm. The source well or source water, has an average EC value of approximately 303 µmhos/cm, which calculates to an average EC limit of 803 µmhos/cm (EC of source water plus 500). The EC concentrations of the industrial influent appear to contribute a majority of the ion concentrations to the effluent; however the effluent concentrations are only slightly above the EC limit and at times are below the EC limit.

Additional sources of EC exhibited in the effluent include the use of treatment chemicals. The addition of treatment chemicals are expected to have a minimal effect on the EC levels in the effluent. Additional characterization of the varying Facility process flows and ion concentrations to further characterize saline sources could assist in defining and developing methods to further reduce these concentrations in the effluent.

5. Salinity Minimization/Control and Treatment Options

This section describes potential salinity minimization/control and treatment options. As needs for salinity reduction and treatment increase for industrial processes, viable salinity treatment options not included in this plan may become available in the next several years. As salinity minimization plan work progresses, other salinity control options may be reviewed and considered. No one salinity control option listed in this plan should be considered as a preferred method or a commitment to implement by Malaga. All the options considered are expensive to install and operate.

Costs detailed in this section are order of magnitude costs. Specific design requirements, concentration considerations and actual wastewater volume treated, can increase costs over what is stated below. The costs discussed below are based on basic designs with numerous assumptions. Further analysis and preliminary designs are required to better estimate the costs for these options. The purpose of these costs is to show relative cost differences between potential options.

Several methods are considered in evaluating best practicable treatment and control (BPTC). The alternatives include:

- Local Limits
- Waste segregation/off-Site disposal
- Treatment

5.1 Local Limits

Malaga is currently in the process of conducting a Local Limits Study as defined by EPA's Local Limits Guidance Manual. The Local Limits Study will provide testing of individual sources as well as within the treatment system. Since the largest contribution to the elevated EC concentrations appears to be coming from the industrial dischargers, the local limits study and implementation of local limits on industrial users is the preferred approach for reducing EC in the effluent. Further characterization of effluent from individual dischargers will assist in establishing local limits for industrial users to further reduce EC concentrations in the effluent. The costs of the local limit study have been estimated to be approximately $70,000.

This alternative should reduce the EC discharge concentration by establishing limits for industrial users. This alternative is the preferred approach as it targets the largest EC contributions, which are coming from industrial users, into the Malaga Facility. Reductions of EC concentrations at the sources would have the greatest impact on the discharge EC concentration.

5.2 Waste Segregation Including Off-Site Disposal

Segregating portions of the effluent treated by Malaga may slightly reduce the amount of EC being discharged to the disposal ponds. Segregated waste would be shipped off-Site for disposal. Separating portions of the effluent is not practicable and would result in transferring of the waste/problem to another disposal facility. If a portion of the effluent was segregated, it would cost approximately $7,426,640 per year (29,922 gal/day x $0.68/gal x 365 day/year = $7,426,640 per

year), which would be cost-prohibitive and does not include trucking costs. The volume of waste, 29,922 gal/day, is a portion of the waste stream coming from industrial dischargers. The cost per gallon of liquid waste is a low estimate, which was quoted by local vendors (i.e. Clean Harbors) and could cost as much as $2.00/gallon depending on chemistry of the waste stream. A disposal facility capable of taking the segregated waste was not identified as part of this study; its potential distance from the facility may make shipping cost prohibited. In addition to the costs associated with trucking, there would be an increase in traffic and greenhouse gas emissions from an increase in fuel consumption because of transportation.

The segregation of waste does not guarantee that a significant reduction in the EC discharge concentration will occur. As the current average EC discharge concentration is at the limit, segregation is a costly option for the minor reduction of EC needed. This option is not recommended at this time.

5.3 Treatment

Treatment of the effluent is an alternative to lower the EC concentrations being discharged to the disposal ponds. However, due to the nature of the constituents of concern (COC) that make up salinity, reverse osmosis (RO) is the most effective large scale treatment option. Large scale RO systems are available at costs exceeding $250,000 capital costs, and $200,000 annually for operation and maintenance. RO technology is proven to significantly lower the salinity concentrations, however, the COC are not destroyed or transformed, and they are merely concentrated in a smaller volume of liquid that will still require disposal. There would also be an increase in energy usage causing an increase in greenhouse gas emissions.

The RO treatment option will require the disposal or evaporation of the RO effluent. Disposal of this effluent will also require either trucking off-Site or evaporation on-Site. Trucking the effluent off-Site has the same disadvantages as waste segregation. On-Site evaporation would require the construction of an evaporation pond which, while effective, will yield solid, crystalline minerals that would require disposal at a solid waste facility.

Due to operating cost of an RO system, it is not recommended for salinity reduction at this time.

6. Treatment Option Selection

Implementing a treatment option is not recommended for the Malaga facility at this time, since the facility is within range of the basin plan EC limit and at times the effluent is below the limit.

Costs may not be the controlling factor as the ease of installation and operation and maintenance requirements may rule out the potential salinity control alternative. One salinity control option may be implemented on a smaller scale or on a portion of the waste stream as a step implementation to ensure costs are managed effectively.

The next step will be to complete the local limits testing to test the individual waste streams to obtain a better understanding of how salinity is entering the system.

7. Timing and Implementation

This Salinity Minimization Plan describes potential sources of salinity, potential salinity control, and treatment options. As needs for salinity reduction and treatment increases for industrial processes generally speaking, other viable salinity treatment options not included here may become available. As the salinity minimization plan work progresses, other salinity control options may be reviewed and considered. No one option listed in this plan should be considered as a preferred method or a commitment to implement by GSV.

Costs detailed in this Plan are order of magnitude costs. Specific design requirements, concentration considerations, and actual wastewater volume treated, can increase costs over what was estimated. The costs in this plan are based on basic designs with numerous assumptions. Further analysis and preliminary designs are required to better estimate the costs for these options. The purpose of these costs is to show relative cost differences between potential options.

The next step is to perform characterization of industrial waste streams for flows and concentrations coming into to the system. From there, refined cost estimates and more specific treatment options will be chosen based on probability of effectiveness in reducing the EC concentrations.

8. Certification

This report was prepared, under the supervision of a State of California Professional Engineer, by GHD Services Inc. and all statements and summaries are based solely upon field studies completed by others and upon sample analyses conducted by a California state-certified laboratory. GHD Services Inc. is not responsible for errors in data and/or methodology provided by the laboratory and previous consultants.

The service performed by GHD Services Inc. has been conducted in a manner consistent with the level of care and skill ordinarily exercised by members of our profession currently practicing under similar conditions in the area of the site. No other warranty, expressed or implied, is made.

I hereby certify that I am responsible for the services performed by GHD Services Inc. described in this document and for the preparation of this document. The services performed by GHD Services Inc. described in this document have been provided in a manner consistent with the current standards of the profession and to the best of my knowledge comply with all applicable federal, state and local statutes, regulations and ordinances.

GHD Services Inc.

Prepared by:

Michael Beerends, EIT

Reviewed by:

Betsy K. Gerwig

Betsy Gerwig, P.E.

Professional Engineer

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Malaga County Water District

Reviewed by:

JDAnderson

James D. Anderson

General Manager/Chief Plant Operator

REGISTERED PROFESSIONAL ENGINEER
BETSY K. GERWIG
No. 76855
9-3-15
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Exp 12/16

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MALAGA COUNTY WATER DISTRICT

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BOARD OF DIRECTORS

CHARLES E. GARABEDIAN JR **PRESIDENT** | SALVADOR CERRILLO **VICE-PRESIDENT** | IRMA CASTANEDA **DIRECTOR** | FRANK CERRILLO JR **DIRECTOR** | CARLOS TOVAR JR. **DIRECTOR**

James D. Anderson, General Manager

7 July 2015

Central Valley Regional Water Resources Control Board
CIWQS
1685 E Street
Fresno, Ca 93706

Subject: **e-SMR Pretreatment Report for Q2 2015**
Order No. R5-2014-0145
NPDES No. CA0084239

There were no compliance violations in the second quarter of 2015 for all SIU's.

The District is still waiting to receive the post-inspection report in regards to the Pretreatment Program inspection conducted recently by contractors on behalf of the EPA. Meanwhile, discharge permits for Industrial Users have been revised to address the discrepancies pointed out by the inspectors. Specific monitoring and reporting requirements for SIUs, sampling point locations, and other permit language issues have been addressed. A final permit will be sent to all non-residential dischargers.

The District took action to address the three problems mentioned in the first quarter pretreatment report for 2015. The following are brief descriptions of that progress:

1. The District created an evaluation form as a tool to systematically review self-monitoring reports submitted by SIUs. The use of these evaluation forms have shown to be helpful in the reviewing process.
2. Visits to several SIUs were made to determine valid sampling point locations. Particularly, PPG and all truck washing facilities were inspected for sampling point locations.
3. The Environmental Compliance Inspector is working with all truck washing facilities to address the issue of not being able to meet current local limits. Other Industrial Users in similar situations will be visited in the same manner.

On April 1st, an inspection was held at the Georgia Pacific Corrugated facility. The District became familiar with the facility's operations and has now designated them as an SIU because they discharge batches characteristically high in electrical conductivity. The District based this classification on the criteria that they have a reasonable potential to adversely affect the POTW's

operation or violating pretreatment standards.

The Environmental Compliance Inspector conducted a four-day sampling project on truck washing facilities to examine typical discharge characteristics. Samples were analyzed for electrical conductivity, pH, chemical oxygen demand, and total suspended solids. The results indicated that truck washing facilities on average do not meet the limit for electrical conductivity and pH. This information was shown to all truck washing facilities during inspections and was useful in stressing the need to comply. Working with truck washing facilities to achieve compliance is an ongoing process.

In June, the District received a response in regards to the local limits sampling plan that was sent for review. Some areas that required modification include spreading the sampling out over the course of a year, changing grab sample time intervals, and changing sampling methods. The District has retained the services of the engineering firm Conestoga-Rovers & Associates (CRA) as a professional consultant to address these corrections, as well as other compliance assistance.

I certify under penalty of law that this document and all attachments were prepared under my direct supervision in accordance with a system designed to assure that qualified personnel properly gather and validate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Respectfully,

J. D. Anderson
J. D. Anderson
General Manager

MALAGA COUNTY WATER DISTRICT

3580 SOUTH FRANK STREET FRESNO, CALIFORNIA 93725
PHONE: 559-485-7353 FAX: 559-485-7319

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James D. Anderson, General Manag

Central Valley Regional Water Resources Control Board
CIWQS
1685 E Street
Fresno, Ca 93706

Subject: **e-SMR Pretreatment Report for Q1 2015**
Order No. R5-2014-0145
NPDES No. CA0084239

There were no compliance violations in the first quarter of 2015 for all SIU's.

On January 16th, the District issued a general wastewater discharge permit to all industrial users and SIU's. The general wastewater discharge permit is a draft document that is continuously evolving as more is being learned in regards to pretreatment. Individual SIU permits are being developed to include monitoring and reporting requirements pertaining to individual dischargers.

On March 25th, contractors on behalf of the EPA and a member of the CVRWQCB conducted an inspection to assess the performance of the District's Pretreatment Program. The District considered the inspection a positive and insightful experience. Some areas were identified as requiring more attention. The District has not yet received an inspection report, but the following discrepancies were noted during the debriefing:

1. Not reviewing and determining the adequacy of the monthly reports submitted by SIU's.

2. Not having an explicit description of a valid sampling point location in the wastewater discharge permit.

3. Accepting discharge from industrial users that fail to meet local limits. For example, SFPP L.P. (also referred to as Kinder Morgan), is a batch discharger that discharge wastewater that is characteristically high in electrical conductivity and very acidic. Despite not meeting the local limits, the District has always accepted their batch discharges.

The District is taking action to address these problems and others. Actions that are currently underway include:

1. The creation of an evaluation form to be used as a tool for evaluating each monthly report submitted by SIU's. The form will be designed so that a more systematic approach is taken when evaluating the reports, rather than through visual observation.

2. A visit to the facilities that are required to submit monthly reports (SIU's and other industrial users) in order to make a determination of a valid sampling location. In addition, the sampling point location will be explicitly incorporated in the revised form of the wastewater discharge permit.

3. Working with industrial users who have difficulties in trying to meet the current local limits. Industrial users would have to find other methods of wastewater disposal if solutions cannot be found.

A quarterly monitoring report submitted by an industrial user by the name of Georgia Pacific indicated a discharge of a batch of wastewater that was high in electrical conductivity. According to the lab analysis section of the report, the batch had an electrical conductivity reading of 4,100 µmhos/cm. After reviewing the report, the District was prompted to schedule a facility inspection to investigate the wastewater generating processes that occurs at this particular facility. Also, the inspection will serve to help determine whether or not the industrial user should be considered an SIU. The facility inspection will be held in April.

The District was notified for permission to accept a total of three batch discharges in the first quarter. Two of the three batches were from Kinder Morgan and the other was from an industrial user by the name of Purity Oil (Stantec). As usual, Batch Discharge Control Plans were implemented to address these batches. These plans were titled Slug Discharge Plans because the District was unaware of the difference between a "slug discharge" and a "batch discharge." The District now has a better comprehension of the definition of a slug discharge and will use the correct terminology for future situations.

I certify under penalty of law that this document and all attachments were prepared under my direct supervision in accordance with a system designed to assure that qualified personnel properly gather and validate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Respectfully,

J. D. Anderson
General Manager

Table 1. Priority Pollutants

Malaga County Water District

Priority Pollutants U.S. EPA Section 307 (a) [Inorganics and Metals Only]

Representative Flow Proportional 24 Hr Composite Samples

Based on Detention Time to Follow Process Removal

Inorganics	Units	Influent	Effluent	% Reduction	Sludge
Ammonia as N	mg/L	16	0.23	99%	5.7
BOD	mg/L	110	7	94%	300
Chloride	mg/L	67	56	16%	55
Cyanide (Total)	mg/L	7.1	5	30%	10
EC	u-ohm/cm	1000	900	10%	890
Flouride	mg/L	4.7	3.6	23%	3.7
Nitrate as N	mg/L	2.3	15	-552%	16
Nitrate as NO3	mg/L	10	68	-580%	72
Nitrite as N	mg/L	ND	ND		ND
pH	pH units	7.6	7.4	3%	7.4
Phosphorus	mg/L	7.9	4.7	41%	30
TSS	mg/L	98	22	78%	950

Metals	Units	Influent	Effluent	% Reduction	Sludge
Aluminum	mg/L	1.1	0.65	41%	16
Arsenic	mg/L	ND	ND		0.027
Barium	mg/L	0.12	0.05	58%	1.6
Boron	mg/L	0.13	0.11	15%	0.19
Cadmium	mg/L	0.0021	0.0007	67%	0.011
Calcium	mg/L	38	40	-5%	73
Chromium	mg/L	0.015	0.0067	55%	0.15
Copper	mg/L	0.37	0.038	90%	0.6
Iron	mg/L	1.3	0.29	78%	15
Lead	mg/L	0.0063	0.002	68%	0.076
Magnesium	mg/L	17	17	0%	23
Mercury	mg/L	ND	ND		ND
Nickel	mg/L	0.0072	0.0042	42%	0.033
Selenium	mg/L	0.0098	ND		ND
Silver	mg/L	ND	ND		0.0027
Zinc	mg/L	1.8	0.12	93%	1.7

TABLE 1

Table 2. Mass Balance Calculations

MALAGA COUNTY WATER DISTRICT

		WWTP			Rio Bravo			PPG			Stratas			Rock Tenn			Kinder Morgan			Air Products		
		Flow gpd	Ec umhos/cm	Mass	Flow gpd	Ec umhos/cm	Mass	Flow gpd	Ec umhos/cm	Mass	Flow gpd	Ec umhos/cm	Mass	Flow gpd	Ec umhos/cm	Mass	Flow gpd	Ec umhos/cm	Mass	Flow gpd	Ec umhos/cm	Mass
2014	January																					
	February																					
	March																					
	April	550,000	778	427,900,000								724			473			760				
	May	650,000	771	501,150,000				51,669	841	43,453,982		786			488			750				
	June	600,000	810	486,000,000	128,105	933	119,522,276	53,275	841	44,804,023		637			635							
	July	620,000	840	520,800,000	129,574	943	122,188,617	47,551	841	39,990,310		652			675						820	
	August	580,000	833	483,140,000	122,870	941	115,620,827	61,871	841	52,033,651		714			668							
	September	560,000	837	468,720,000	97,442	914	89,061,683	66,875	841	56,241,903		826			680			1,700				
	October	550,000	879	483,450,000	114,656	942	108,005,770	66,384	841	55,828,591		708			643							
	November	540,000	835	450,900,000	106,038	938	99,463,644	60,261	841	50,679,473		687			633			1,200				
	December	520,000	807	419,640,000	106,292	913	97,044,832	49,182	841	41,362,116		622			590			2,500			830	
2015	January	500,000	907	453,500,000	103,992	935	97,232,761	62,587	800	50,069,677		611			563			1,700				
	February	490,000	780	382,200,000	77,973	867	67,602,467	59,535	800	47,627,600		645			563							
	March	540,000	858	463,320,000	117,575	947	111,343,678	54,808	800	43,846,271		765			705							
	April	550,000	824	453,200,000	113,358	942	106,783,519	60,479	800	48,383,067		820			550			220			810	
	May	480,000	803	385,440,000	77,768	850	66,103,156	64,736	800	51,788,929		895			638							
	June	560,000	891	498,960,000	109,896	945	103,852,035	77,793	800	62,234,240		831			650							
	July	570,000	825	470,250,000	117,757	943	111,044,638	56,850	800	45,479,897		745						1,500				
	August	590,000	843	497,370,000	131,395	946	124,299,355	32,770	800	26,216,320		789										
	September				101,524	933	94,721,892	36,883	800	29,506,373												
	October																					
	November																					
	December																					
	Average	555,882	831	461,525,882	109,764	927	102,118,197	56,677	819	46,443,907		733			610			1,291			820	

		EC umhos/cm			
		Source	NPDES Limit	WWTP	Excess %
2014	January				
	February				
	March				
	April	310	810	778	-4.0%
	May	305	805	771	-4.2%
	June	308	808	810	0.2%
	July	305	805	840	4.3%
	August	293	793	833	5.0%
	September	289	789	837	6.1%
	October	306	806	879	9.1%
	November	305	805	835	3.7%
	December	303	803	807	0.5%
2015	January	355	855	907	6.1%
	February	320	820	780	-4.9%
	March	301	801	858	7.1%
	April	284	784	824	5.1%
	May	279	779	803	3.1%
	June	305	805	891	10.7%
	July	282	782	825	5.5%
	August	319	819	843	2.9%
	September				
	October				
	November				
	December				
	Average	304	804	831	3.3%

Impact to WWTP EC if Limit is reduced (not accounting for change in flow)

Industry Limit	NPDES Limit	WWTP Calc	Excess %
umhos/com			
950	804	831	3.3%
900	804	824	2.5%
850	804	814	1.3%
800	804	803	-0.2%
750	804	788	-2.1%

Impact to WWTP EC if Limit is reduced (assuming flow increase at relative % reduction in EC)

Rio Bravo	PPG	Other	WWTP	Excess %
umhos/com				
927	819	804	831	3.3%
900	819	804	825	2.6%
850	819	804	815	1.4%
800	800	804	802	-0.2%
750	750	804	786	-2.3%

Rio Bravo			PPG			Other Contributors			WWTP		
Flow gpd	Ec umhos/cm	Mass	Flow gpd	Ec umhos/cm	Mass	Flow gpd	Ec umhos/cm	Mass	Flow gpd	Ec umhos/cm	Mass
109,764	927	102,118,197	56,677	819	46,443,907	389,442	804	312,963,778	555,882	831	461,525,882
113,056	900	101,750,785	56,677	819	46,443,907	389,442	804	312,963,778	559,175	825	461,158,471
119,707	850	101,750,785	56,677	819	46,443,907	389,442	804	312,963,778	565,826	815	461,158,471
127,188	800	101,750,785	58,044	800	46,435,099	389,442	804	312,963,778	574,674	802	461,149,663
135,668	750	101,750,785	61,913	750	46,435,099	389,442	804	312,963,778	587,023	786	461,149,663

Rio Bravo			PPG			Other Contributors			WWTP		
Flow gpd	Ec umhos/cm	Mass	Flow gpd	Ec umhos/cm	Mass	Flow gpd	Ec umhos/cm	Mass	Flow gpd	Ec umhos/cm	Mass
109,764	927	102,118,197	56,677	819	46,443,907	389,442	804	312,963,778	555,882	831	461,525,882
109,764	900	98,787,170	56,677	819	46,443,907	389,442	804	312,963,778	555,882	824	458,194,856
109,764	850	93,298,994	56,677	819	46,443,907	389,442	804	312,963,778	555,882	814	452,706,679
109,764	800	87,810,818	56,677	800	45,341,567	389,442	804	312,963,778	555,882	803	446,116,163
109,764	750	82,322,642	56,677	750	42,507,719	389,442	804	312,963,778	555,882	788	437,794,139

Table 3. Updated List of Significant Industrial Users

Table 3. Updated List of Significant Industrial Users

Permit #	Permit Holder	Address
1001	Westrock, CP LLC (formerly Rocktenn)	3366 E. Muscat Ave. Fresno, CA 93725
1005	Rio Bravo-Fresno	3350 S. Willow Ave. Fresno, CA 93725
1008	Stratas Foods	3390 S. Chestnut Ave. Fresno, CA 93725
1025	SFPP LP (referred to as Kinder Morgan)	4149 S. Maple Ave. Fresno, CA 93725
1038	PPG Industries	3333 S. Peach Ave. Fresno, CA 93725
1140	Air Products & Chemical Inc.	3333 S. Peach Ave. Fresno, CA 93725
1160	Fifth Wheel Truck Wash	3767 S. Golden State Blvd. Fresno, CA 93725
1098	Speedy Truck Wash	3846 S. Front/3200 E. Central Fresno, CA 93725
1205	Imperial Truck Wash	2635 E. North Ave. Fresno, CA 93725
1095	Lester Lube Inc. dba Fresno Truck Wash	4170 S. Bagley Ave. Fresno, CA 93725
1114	Georgia Pacific Corrugated	3630 E. Wawona Ave. #104 Fresno, CA 93725

Table 4. SIU Compliance Status for 2015

Table 4. SIU Compliance Status

Permit #	Permit Holder	Compliance Status Throughout 2015
1001	Westrock, CP LLC (formerly Rocktenn)	Consistently achieved compliance
1005	Rio Bravo-Fresno	Consistently achieved compliance
1008	Stratas Foods	Consistently achieved compliance
1025	SFPP LP (referred to as Kinder Morgan)	Consistently achieved compliance
1038	PPG Industries	Inconsistently achieved compliance
1140	Air Products & Chemical Inc.	Consistently achieved compliance
1160	Fifth Wheel Truck Wash	Did not achieve compliance and not on a compliance schedule
1098	Speedy Truck Wash	Did not achieve compliance and not on a compliance schedule
1205	Imperial Truck Wash	Did not achieve compliance and not on a compliance schedule
1095	Lester Lube Inc. dba Fresno Truck Wash	Did not achieve compliance and not on a compliance schedule
1114	Georgia Pacific Corrugated	Consistently achieved compliance

Table 5. Inspection and Sampling Activities

Table 5. Inspection and Sampling Activities

Permit #	Permit Holder	Frequency Inspected	Frequency Sampled
1001	Westrock CP, LLC	2	1
1005	Rio Bravo-Fresno	2	1
1008	Stratas Foods	2	1
1025	SFPP LP (referred to as Kinder Morgan)	2	1
1038	PPG Industries	2	1
1140	Air Products & Chemical Inc.	2	1
1160	Fifth Wheel Truck Wash	5+	5+
1098	Speedy Truck Wash	5+	5+
1205	Imperial Truck Wash	5+	5+
1095	Lester Lube Inc. dba Fresno Truck Wash	5+	5+
1114	Georgia Pacific Corrugated	2	1

Table 6. Truck Wash Monitoring

Table 6. Truck Wash Monitoring

Date	Parameter	Fresno Truck Wash	Fifth Wheel	Imperial Truck Wash	Speedy Truck Wash
4/27/2015	EC	1373	1527	1940	2220
	TSS	110	190	260	390
	COD	389	556	653	894
	pH	4.53	3.96	3.92	7.6
4/28/2015	EC	844	1063	1748	1685
	TSS	10	80	90	0
	COD	955	512	612	660
	pH	6.75	7.23	5.74	6.97
4/29/2015	EC	859	1193	1945	2220
	TSS	130	20	140	160
	COD	645	732	607	832
	pH	9.59	6.2	4	8.2
4/30/2015	EC	1467	1394	1944	2270
	TSS	260	250	140	100
	COD	584	697	598	801
	pH	8.49	3.71	3.96	6.71
Average EC		1135.75	1294.25	1894.25	2098.75
Average TSS		127.5	135	157.5	162.5
Average COD		643.25	624.25	617.5	796.75
Range of pH		4.53 - 9.59	3.71 - 7.23	3.92 - 5.74	6.71 - 8.2

Sampling Notes

4/28/2015 Fifth Wheel - no foam, low flow
Speedy Truck Wash - smelled like eggs

4/29/2015 Fresno Truck Wash - low flow, no trucks, sample may not be representative
Fifth Wheel - foam, moderate flow

4/30/2015 Imperial Truck Wash - no trucks
Fresno Truck Wash - no trucks, low flow
Fifth Wheel - a lot of foam, heavy flow

Table 7. Compliance Status of Each SIU

Table 7. Compliance Status of each SIU

Permit Holder	# of Samples: Sampled by the District*	# of Samples: Sampled by the SIU	Standards Violated?	Restriction of flow to POTW?	Disconnection from discharge to POTW?	Enforcement Action Taken
Westrock CP, LLC	1	48	None	None	None	None
Rio Bravo-Fresno	1	2	None	None	None	None
Stratas Foods	1	12	None	None	None	None
SFPP LP (referred to as Kinder Morgan)	1	5*	None	None	None	None
PPG Industries	1	2	None	None	None	Observation Notice
Air Products & Chemical Inc.	1	2	None	None	None	None
Fifth Wheel Truck Wash	1	0	Part 2A(17)	None	None	Informal Enforcement
Speedy Truck Wash	1	0	Part 2A(17)	None	None	Informal Enforcement
Imperial Truck Wash	1	0	Part 2A(17)	None	None	Informal Enforcement
Lester Lube Inc. dba Fresno Truck Wash	1	0	Part 2A(17)	None	None	Informal Enforcement
Georgia Pacific Corrugated	1	4	None	None	None	Informal Enforcement

Notes:

1.) All SIUs are non-categorical users.

2.) *Sampled by the District shall mean that an official laboratory analysis was generated from a certified laboratory (see Attachment N)

3.) All SIUs are not subject to a total toxic organic plan (TOMP)

4.) Part 2A(17) of their discharge permit: Any substance that may result in the WWTF exceeding NPDES permit limits (see Attachment A)

5.) SFPP LP is required to take a single sample per month for each batch. There were five months in 2015 in which SFPP discharged.

7.) PPG was given an observation notice for submitted late reports (see Attachment O: third quarter pretreatment report).

8.) All truck washing facilities were given informal enforcement for potential discharge of high EC.

9.) All SIUs were not in Significant Noncompliance

10.) The following did not apply to any SIU in 2015: Restriction of flow to the POTW

11.) The following did not apply to any SIU in 2015: Disconnection from discharge to POTW

Table 8.

2016 Non-Residential Dischargers: Permit Class Percentage

Table 8. 2016 Non-Residential Dischargers: Permit Class Percentage

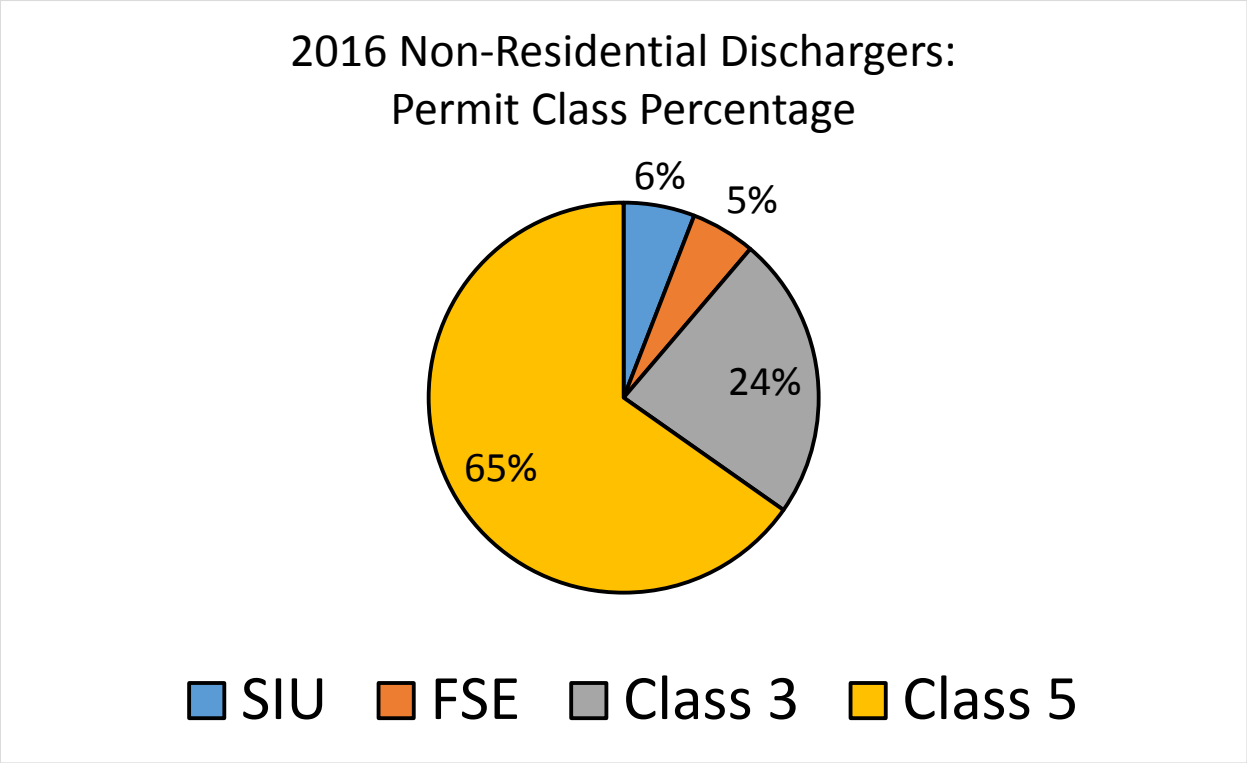

Table 9. Definitions

Table 5: Definitions

"Act" or "Clean Water Act" shall mean the "Federal Water Pollution Control Act.

"Authorized Official of the District" shall mean the person designated by resolution of the Board of Directors as the District's legally responsible official for submitting reports to the State Water Resources Control Board, the United States Environmental Protection Agency, the County of Fresno, and any other agency having jurisdiction to or otherwise requiring the District to submit reports or other records related to the District's water or sewer operations.

"Best Management Practices (BMPs)" as defined by 40 CFR 403.3 as it may be amended, shall mean schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce water pollution. The term also includes treatment requirements, operating procedures, and practices to control plant site runoff, spillage or leaks, sludge of waste disposal, or drainage from raw material storage.

"Categorical Industrial User or CIU" shall mean an Industrial User subject to a Categorical Pretreatment Standard or Categorical Standard.

"Categorical Pretreatment Standard" or "Categorical Standard" shall mean any regulation containing Pollutant Discharge limits promulgated by the EPA in accordance with Sections 307(b) and (c) of the Act that apply to a specific category of Users and appear in 40 CFR Chapter 1, subchapter N, parts 405-471.

"Discharge" shall mean to pump, to place, to deposit, to permit, or to cause to flow or to be transported by a flow, including the introduction of pollutants into the POTW from any non-domestic source.

"District" shall mean the Malaga County Water District located in the County of Fresno, State of California.

"District Engineer" or "Engineer" shall mean the Engineer appointed by and acting for the Board and shall be a Registered Professional of the State of California.

"FOG Control Program" shall mean the District's FOG Control Program pursuant to Malaga Code Section 3.05.180.

"Food Service Establishments" shall mean any food preparation establishment, restaurant, cafeteria, or any other establishment preparing food for consumption or sale. This definition does not include Residential Users preparing food for domestic consumption.

"General Manager" or "Manager" means the person holding the position or acting in the capacity of General Manager of the District who shall administer and enforce the rules

and regulations of the District.

"Industrial User" or "User" means a source of Indirect Discharge.

"Pretreatment Program" shall mean the Pretreatment Program of the District as set forth in Section 3.05.020 of the Malaga Code.

"Sewer Use Ordinance" shall mean Title 3 of the Malaga County Water District Ordinance Code.

"Significant Industrial User" or "SIU" shall mean:

1. An Industrial User subject to Categorical Pretreatment Standards; or

2. An Industrial User that:

a. Discharges an average of twenty-five thousand (25,000) gpd or more of processed wastewater to the POTW (excluding sanitary, non-contact cooling and boiler Blowdown Wastewater);

b. contributes a process waste stream which makes up five percent (5%) or more of the average dry weather hydraulic or organic capacity of the POTW treatment plant; or

c. is designated as such by the District on the basis that it has a reasonable potential for adversely affecting the POTW's operation or for violating any Pretreatment Standard or Requirement.

"Slug Discharge" or "Slug Load" shall mean any Discharge at a flow rate of concentration, which could cause a violation of the prohibited Discharge standards in Title 3 of this Ordinance including, but not limited to, Sections 3.05.030 or 3.05.040 of the Malaga Code. A Slug Discharge is any Discharge of a non-routine, episodic nature, including, but not limited to, an accidental spill or a non-customary batch Discharge, which has a reasonable potential to cause Interference or Pass-Through or any other way of violating the POTW's regulations, Local Limits or Permit conditions.

"Slug Discharge Program" shall mean the District's Slug Discharge Control Program as set forth in the District's Pretreatment Program pursuant to the Sewer Use Ordinance . . .

"Wastewater Treatment Facilities" or "WWTF" or "Malaga Wastewater Treatment Facilities" or "MWTF" shall mean any device, facilities, structures, equipment, or works owned, operated or maintained by the District for the purpose of the collection, transmission, storage, treatment, recycling, reclamation and disposal of industrial and domestic waste, or necessary to recycle or reuse water at the most economical cost over the estimated life of the system, including, but not limited to, intercepting sewers,

outfall sewers, sewerage collection systems, pumping, power, and other equipment and their appurtenances, extensions, improvements, remodeling, additions, and alterations thereof; elements essential to provide a reliable recycled supply such as standby treatment units and clear well facilities; and any works, including site acquisition of the land that will be an integral part of the treatment progress or is used for ultimate disposal of residues resulting from such treatment.

Table 10. Abbreviations

Table 6: Abbreviations

"BMP" means Best Management Practice.

"CFR" means Code of Federal Regulations.

"CIU" means Categorical Industrial User.

"DIU" means Domestic Industrial User.

"ECI" means Environmental Compliance Inspector.

"EPA" means Environmental Protection Agency.

"ERP" means Enforcement Response Plan.

"FCP" means FOG Control Plan.

"FOG" means Fats, Oils and Grease.

"FSE" means Food Service Establishments.

"GRD" means Grease Interceptor, Grease Trap or Grease Removal Device.

"IU" means Industrial User.

"IWDP" means Industrial Wastewater Discharge Permit.

"MCWD" means Malaga County Water District.

"O&M" means Operation and Maintenance.

"POTW" means Publicly Owned Treatment Works.

"RCRA" means Resource Conservation and Recovery Act.

"SIC" means Standard Industrial Classification.

"SIU" means Significant Industrial User.

"SSMP" means Sanitary Sewer Management Plans.

"WWTF" means Wastewater Treatment Facility.