

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
COLORADO RIVER BASIN REGION**

ORDER NO. R7-2006-0022

**WASTE DISCHARGE REQUIREMENTS**

FOR

**A-1 AGGREGATES, INC., OWNER/OPERATOR  
A-1 AGGREGATES SAND AND GRAVEL PLANT  
WASHWATER INFILTRATION/EVAPORATION BASIN DISPOSAL FACILITIES  
North of Thousand Palms – Riverside County**

The California Regional Water Quality Control Board, Colorado River Basin Region, finds that:

1. A-1 Aggregates, Inc., 72-200 Vista Chino Road, Thousand Palms, California 92276, (hereinafter referred to as the Discharger), submitted an updated Report of Waste Discharge (ROWD) to the California Regional Water Quality Control Board, Colorado River Basin Region (Regional Water Board), on December 1, 2005, for the discharge of wash water into the disposal facilities of its concrete-batch plant north of Thousand Palms.
2. The discharge site is located two miles north of Thousand Palms in the SE 1/4 of the SW1/4 of Section 6, T4S, R6E, SBB&M.
3. The Discharger is recycling a total maximum daily flow of 2.16 million gallons-per-day (MGD) or an average of 900,000 gallons-per-day of wash water from a sand and gravel processing plant into a large earthen settling pond. The sand and gravel is screened and washed for use in making concrete and other construction materials, and the silt/clay-laden wastewater from the plant flows through an underground pipeline into a hydra-cyclone system, where fine sand is recovered and stockpiled. The wastewater then gravity flows into the settling pond, where most of the wastewater is re-circulated for use in the plant washing operation, while some is lost by infiltration and evaporation. In addition, a concrete truck wash uses the recycled wastewater to wash the mixer tanks and then discharges into a two compartment concrete basin for settling of the fine sediment prior to discharging back into the settling pond. A submerged pump pumps wastewater in the pond to a centrifuge where very fine sediments are extracted and stockpiled for sale, and the clean water flows back into the pond. The plant wastewater disposal pond covers an area of about one acre with a design capacity of about 2.2 million gallons. The pond is further structured with a peninsula and submerged dike, where the south portion receives the wastewater that is treated by the centrifuge before flowing into the north portion where the water is recycled through the plant. Exhibit A (attached) shows a layout of the plant facilities. The plant operates over 300 days per year, depending upon market demand. There are no surfactants or thickeners used in the processing.
4. A maximum of 20,000 gallons-per-day (gpd) or an average of 9,000 gpd of fresh water is supplied to this processing plant and the mixer truck washing system from an on-site well located about 700 feet south of the settling pond. The water has a total dissolved solids (TDS) concentration that averages about 1,000 mg/L. The San Andreas Fault zone is about one mile north of the site and the depth-to-ground water is about 500 feet.

5. The Water Quality Control Plan for the Colorado River Basin Region of California (Basin Plan), as amended to date, designates the beneficial uses of ground and surface waters in this Region. The beneficial uses of ground water in the Coachella Hydrological Subunit are municipal, industrial and agricultural supply.
6. This discharge is currently governed by Waste Discharge Requirements (WDRs) in Board Order No. 91-023. This new Order updates and supersedes Order No. 91-023 to comply with the current laws and regulations as set forth in the California Water Code (CWC) and the California Code of Regulations (CCRs).
7. In accordance with Section 15301, Chapter 3, Title 14 of the CCRs, the issuance of these WDRs, which govern the operation of an existing facility involving negligible or no expansion of use beyond that previously existing, is exempt from the provisions of the California Environmental Quality Act (CEQA) (Public Resources Code, Section 21000 et. seq).
8. The monitoring and reporting requirements in Monitoring and Reporting Program No. R7-2006-0022 are necessary to determine compliance with these WDRs and to determine the facility's impacts, if any, on receiving water.
9. Federal Regulations for storm water discharges require specific categories of facilities which discharge storm water associated with industrial activity (storm water) to obtain NPDES permits and to implement Best Available Technology (BAT) to reduce or eliminate industrial storm water pollution.
10. The State Water Resources Control Board (State Water Board) adopted Order No. 97-03-DWQ (General Permit No. CAS000001), specifying WDRs for discharges of storm water associated with industrial activities, excluding constructing activities, and requiring submittal of a Notice of Intent by industries to be covered under the Permit.
11. There are no discharges of pollutants into navigable waters (as defined in 33 U.S.C. Section 1362 (12)) from this site. Therefore, an NPDES permit is not required for this facility.
12. The Regional Water Board has notified the Discharger and all known interested agencies and persons of its intent to update WDRs for this discharge and has provided them with an opportunity for a public meeting and an opportunity to submit comments.
13. The Regional Water Board, in a public meeting, heard and considered all comments pertaining to this discharge.

IT IS HEREBY ORDERED, that Board Order No. 91-023 is rescinded, and in order to meet the provisions contained in Division 7 of the CWC and regulations adopted thereunder, the Discharger shall comply with the following:

#### **A. PROHIBITIONS**

1. The discharge of hazardous or designated wastes (as defined in Chapter 15, Title 23, CCRs) at this facility is prohibited.
2. The direct discharge of any wastewater from the facility to any surface waters or surface drainage courses is prohibited.

3. The discharge of waste containing any carcinogen or reproductive toxins listed by the Governor pursuant to Health and Safety Code Sections 25249.5 through 25249.13, the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65), where such chemicals pass or probably will pass into any source of drinking water, is prohibited.
4. The discharge of waste to land not owned or controlled by the Discharger is prohibited.
5. There shall be no surface flow of wastewater away from the designated disposal areas.
6. The discharge shall not cause degradation of any water supply.

## **B. SPECIFICATIONS**

1. The treatment or disposal of wastes at this facility shall not cause pollution or nuisance as defined in Sections 13050 (l) and 13050 (m) of Division 7 of the CWC.
2. No wastewater other than sand and gravel wash water shall be discharged into the wastewater disposal systems described in Finding No. 3, (above).
3. A minimum depth of freeboard of two (2) feet shall be maintained at all times in the wastewater basins.
4. Solid waste materials shall be disposed only at locations approved by the Regional Water Board's Executive Officer.
5. Adequate measures shall be taken to assure that flood or surface drainage waters do not erode or otherwise render portions of the discharge facilities inoperable.
6. Infiltration facilities (basins) shall be maintained and operated so as to maximize infiltration and minimize the increase in salinity of the infiltrating wastewater by evaporation.
7. The wastewater in the basins shall not contain a total dissolved solids (TDS) concentration that exceeds 1400 mg/L.
8. The Discharger shall remove and properly dispose of any wastes discharged at this site that are in violation of these requirements.

## **C. PROVISIONS**

1. The Discharger shall use the best practicable control techniques to limit the TDS content not to exceed the limit stated in Specification B.7 of this Order.
2. The Discharger shall comply with "Monitoring and Reporting Program No. R7-2006-0022, and future revisions thereto, as specified by the Regional Water Board's Executive Officer.
3. Prior to any modifications in this facility, which would result in material change in the quality or quantity of wastewater treated or discharged, or any material change in the location of discharge, the Discharger shall report all pertinent information in writing to the Regional Water Board and obtain revised requirements before any modifications are implemented.

4. Prior to any change in ownership or management of this operation, the Discharger shall transmit a copy of this Board Order to the succeeding owner/operator, and forward a copy of the transmittal letter to the Regional Water Board.
5. This Board Order does not authorize violation of any federal, state, or local laws or regulations.
6. The Discharger shall allow the Regional Water Board, or an authorized representative, upon presentation of credentials and other documents as may be required by law, to:
  - a. Enter upon the premises regulated by this Board Order, or the place where records must be kept under the conditions of this Board Order;
  - b. Have access to and copy, at reasonable times, any records that shall be kept under the conditions of this Board Order;
  - c. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Board Order; and
  - d. Sample or monitor at reasonable times, for the purpose of assuring compliance with this Board Order or as otherwise authorized by the CWC, any substances or parameters at this location.
7. The Discharger shall comply with all of the conditions of this Board Order. Any noncompliance with this Board Order constitutes a violation of the Porter-Cologne Water Quality Control Act and is grounds for enforcement action.
8. The Discharger shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) that are installed or used by the Discharger to achieve compliance with this Board Order.
9. All maintenance performed shall be reported in the monitoring reports as required.
10. The Discharger shall furnish, under penalty of perjury, technical monitoring program reports, and such reports shall be submitted in accordance with the specifications prepared by the Regional Water Board's Executive Officer. Such specifications are subject to periodic revisions as may be warranted.
11. Ponds shall have sufficient capacity to accommodate allowable wastewater flow, design seasonal precipitation, ancillary inflow, and infiltration during the non-irrigation season. Design seasonal precipitation shall be based on total annual precipitation using a return period of 100 years, distributed monthly in accordance with historical rainfall patterns.
12. Unless otherwise approved by the Regional Water Board's Executive Officer, all analyses shall be conducted at a laboratory certified for such analyses by the State Department of Health Services. All analyses shall be conducted in accordance with the latest edition of "Guidelines Establishing Test Procedures for Analysis of Pollutants", promulgated by the United States Environmental Protection Agency.
13. The discharge shall not cause degradation of any beneficial use of surface or ground water.

14. The Discharger shall obtain prior written approval from the Regional Water Board's Executive Officer specifying location and method of disposal, before disposing of treated or untreated sludge, or similar solid waste materials. In addition, the Discharger shall provide the results of any sludge analyses as specified by the Regional Water Board's Executive Officer.
15. The Discharger shall comply with the following:
  - a. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.
  - b. The Discharger shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this Board Order, and records of all data used to complete the application for this Board Order, for a period of at least 5 years from the date of the sample, measurement and/or report of application.
  - c. Records of monitoring information shall include:
    1. The date, exact place, and time of sampling or measurements;
    2. The individual(s) who performed the sampling or measurements;
    3. The date(s) analyses were performed;
    4. The individual(s) who performed the analyses;
    5. The analytical techniques or methods used; and
    6. The results of such analyses.
16. The Discharger is the responsible party for the WDRs and the Monitoring and Reporting Program for the facility. The Discharger shall comply with all conditions of these WDRs. Violations may result in enforcement actions, including Regional Board Orders or court orders, requiring corrective action or imposing civil monetary liability, or in modification or revocation of these WDRs by the Regional Water Board.
17. This Board Order may be modified, revoked and reissued, or terminated for cause. The filing of a request by the Discharger for a Board Order modification, revocation and re-issuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any Board Order condition. Causes for modification include the promulgation of new regulations, modification of land application plans, or modification in sludge use or disposal practices, or adoption of new regulations by the State Water Board or the Regional Water Board, including revisions to the Basin Plan.
18. The Discharger shall report all instances of noncompliance. Reports of Noncompliance shall be submitted with the Discharger's next scheduled self-monitoring report or earlier if requested by the Regional Water Board's Executive Officer, or if required by an applicable standard for sludge use and disposal.

I, Robert Perdue, Executive Officer, do hereby certify the foregoing is a full, true and correct copy of an Order adopted by the California Regional Water Quality Control Board, Colorado River Basin Region, on March 23, 2006.

*for Jesse Angel, AEO*  
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ROBERT PERDUE  
Executive Officer

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
COLORADO RIVER BASIN REGION**

MONITORING AND REPORTING PROGRAM NO. R7-2006-0022

FOR

A-1 AGGREGATES, INC., OWNER/OPERATOR  
A-1 AGGREGATES, INC. SAND AND GRAVEL PROCESSING PLANT  
WASHWATER INFILTRATION/EVAPORATION BASIN DISPOSAL FACILITIES  
North of Thousand Palms – Riverside County

Location of Discharge: SE ¼, SW 1/4 of Section 6, T4S, R6E, SBB&M

MONITORING

The discharger shall submit monitoring reports on the following:

1. Estimate the maximum daily flow (gallons-per-day) of wastewater discharged to the basin(s).
2. List any proposed changes in the wastewater disposal facilities during the upcoming year.
3. The supply water shall be monitored annually for pH and total dissolved solids content.
4. If the facility is not in operation, or there is no discharge during a required period, the discharger shall send a letter to the Regional Water Board indicating that there has been no activity during the required reporting period.
5. One of the wastewater disposal basins shall be sampled near the discharge outlet pipe and analyzed as follows:

<u>Constituent</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Total Dissolved Solids	mg/L <sup>1</sup>	Grab	Quarterly
Hydrogen Ion	pH	Grab	Quarterly
Total Petroleum Hydrocarbons	mg/L	Grab	Quarterly

6. The collection, preservation and holding times of all samples shall be in accordance with United States Environmental Protection Agency (USEPA) approved procedures. Unless otherwise approved by the Regional Water Board's Executive Officer, all analyses shall be conducted by a laboratory certified by the State Department of Health Services. All analyses shall be conducted in accordance with the latest edition of the "Guidelines Establishing Test Procedures for Analysis of Pollutants" (40 CFR Part 136), promulgated by the USEPA.

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<sup>1</sup> mg/L - milligrams-per-Liter

## REPORTING

1. Report immediately any failure in the wastewater disposal system to the Regional Water Board's Executive Officer and State of California Office of Emergency Services by telephone with a follow-up by letter.
2. Monitoring reports shall be certified under penalty of perjury to be true and correct, and shall contain the required information at the frequency designated in this program.
3. Each report shall contain the following statement:

"I declare under the penalty of law that I have personally examined and am familiar with the information submitted in this document, and 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 a fine and imprisonment for knowing violations."

4. The discharger shall arrange the data in tabular form so that the specified information is readily discernible. The data shall be summarized in such a manner as to clearly illustrate whether the facility is operating in compliance with the Waste Discharge Requirements.
5. Records of monitoring information shall include:
  1. The date, exact place, and time of sampling or measurements;
  2. The individual(s) who performed the sampling or measurements;
  3. The date(s) analyses were performed;
  4. The individual(s) who performed the analyses;
  5. The analytical techniques or methods used; and
  6. The results of such analyses.
6. Monitoring Reports due quarterly shall be submitted to the Regional Water Board by January 15, April 15, July 15, and October 15 each year. Annual monitoring reports shall be submitted by January 15 each year.
7. Submit monitoring reports to:

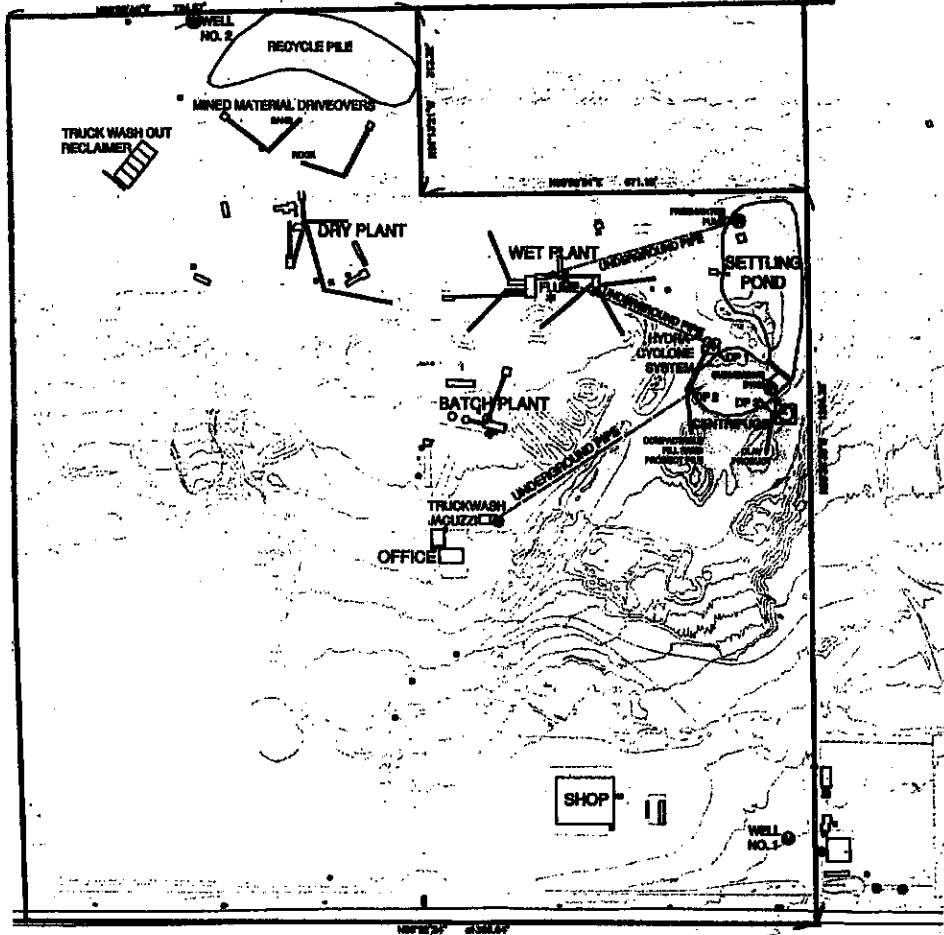
California Regional Water Quality Control Board  
Colorado River Basin Region  
73-720 Fred Waring, Suite 100  
Palm Desert, CA 92260

Ordered by: Jose Angel, AEO  
for  
Executive Officer

March 23, 2006

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD - 7

**A-1 AGGREGATES  
SITE MAP**



**LEGEND**

- ⊙ WELL
- ⊕ PUMP
- ↘ DPT DISCHARGE POINT

**NOTES:**

THE SHOWN TOPOGRAPHY WAS FLOWN IN MARCH 2006.

SINCE MARCH, THE TRUCK WASH OUT RECLAIMER, THE TRUCK WASH / JACUZZI, THE HYDRACYCLONE SYSTEM, AND CENTRIFUGE WAS CONSTRUCTED.

THE LOCATION FOR THE ABOVE LISTED FACILITIES ARE CLOSE BUT APPROXIMATE.

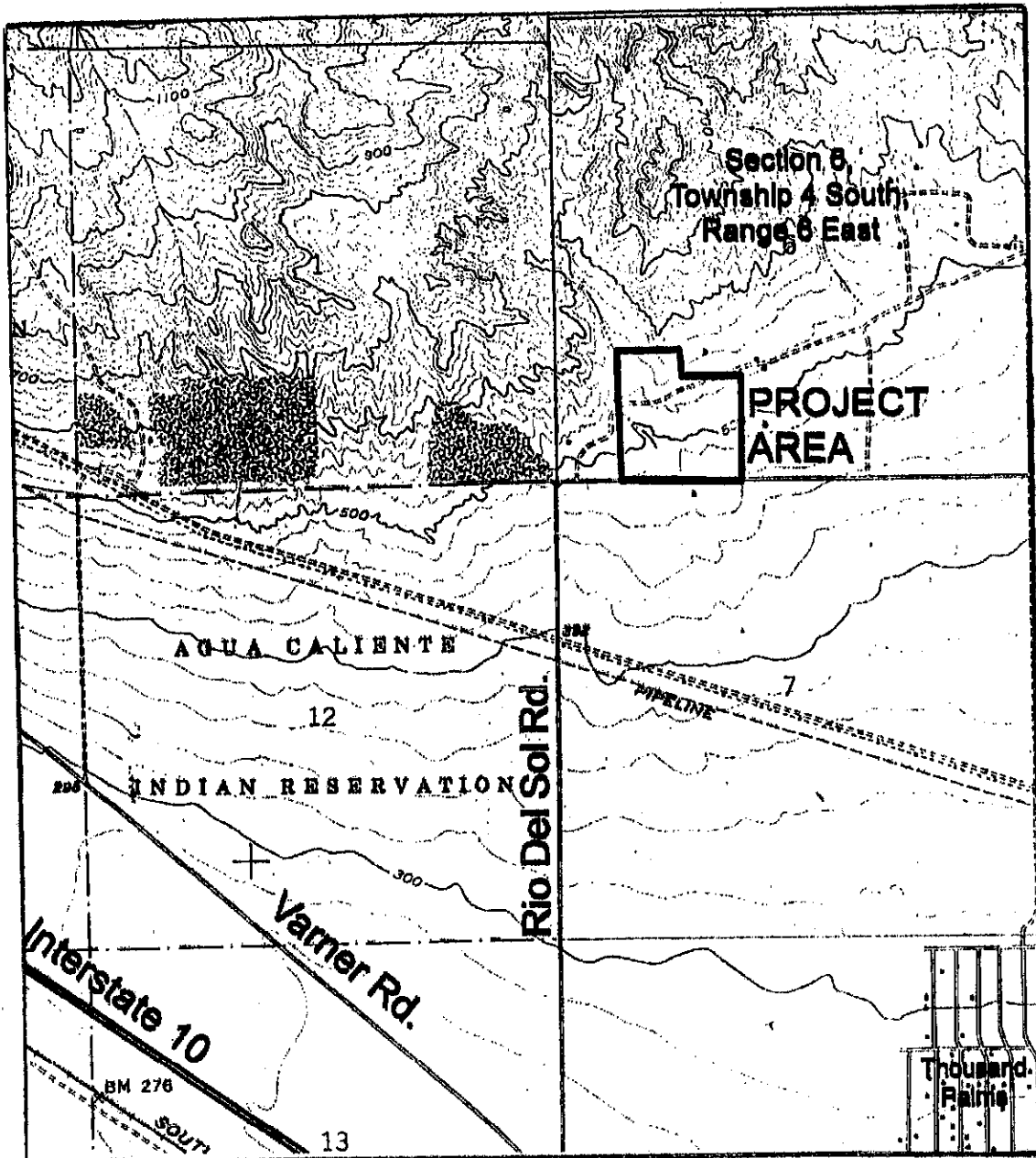


**EXHIBIT A**

A-1 AGGREGATES, INC., OWNER/OPERATOR  
 A-1 AGGREGATES SAND AND GRAVEL PROCESSING PLANT  
 WASHWATER INFILTRATION/EVAPORATION BASIN DISPOSAL FACILITIES  
 Thousand Palms – Riverside County  
 SE ¼, SW ¼ of Section 6, T4S, R6E, SBB&M



CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD - 7



SITE MAP

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A-1 AGGREGATES SAND AND GRAVEL PROCESSING PLANT  
WASHWATER INFILTRATION/EVAPORATION BASIN DISPOSAL FACILITIES  
Thousand Palms - Riverside County  
SE ¼, SW ¼ of Section 6, T4S, R6E, SBB&M

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
 COLORADO RIVER BASIN REGION  
 MONITORING AND REPORTING PROGRAM NO. R7-2006-0022  
 A-1 AGGREGATES, INC.

WDID NO. : 7A 33 2203 001  
 ORDER NO.: R7-2006-0022  
 REPORTING FREQUENCY: QUARTERLY & ANNUALLY

QUARTER: \_\_\_\_\_  
 YEAR: \_\_\_\_\_

If the facility is not in operation, or there is no discharge during a required period, the discharger shall send a letter to the Regional Board indicating that there has been no activity during the required reporting period.

**QUARTERLY REPORTING**

1. One of the wastewater disposal basins shall be sampled near the discharge outlet pipe and analyzed as follows:

	<u>Total Dissolved Solids</u> ATTACH RESULTS	<u>Hydrogen Ion (pH)</u> ATTACH RESULTS	<u>Total Petroleum Hydrocarbons</u> ATTACH RESULTS
1 <sup>st</sup> Qtr (due 04/15)	_____	_____	_____
2 <sup>nd</sup> Qtr (due 07/15)	_____	_____	_____
3 <sup>rd</sup> Qtr (due 10/15)	_____	_____	_____
4 <sup>th</sup> Qtr (due 01/15)	_____	_____	_____

**ANNUAL REPORTING**

2. Estimate of maximum daily flow (gallons-per-day) of wastewater discharged to the basin(s).
3. List any proposed changes in the wastewater disposal facilities during the upcoming year.
4. The water supply to the facility shall be sampled and the results reported for the following:

Total Dissolved Solids    mg/L \_\_\_\_\_                      pH            mg/L \_\_\_\_\_                      (Attach Results)

The collection, preservation and holding times of all samples shall be in accordance with United States Environmental Protection Agency (USEPA) approved procedures. Unless otherwise approved by the Regional Board's Executive Officer, all analyses shall be conducted by a laboratory certified by the State Department of Health Services. All analyses shall be conducted in accordance with the latest edition of the "Guidelines Establishing Test Procedures for Analysis of Pollutants" (40 CFR Part 136), promulgated by the USEPA.

I declare under the penalty of law that I have personally examined and am familiar with the information submitted in this document, 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 a fine and imprisonment for knowing violations.

Signature: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_