11 September 2019

Darren Clow
Holland Riverside Marina
1145 2nd St., #336
Brentwood, CA 94503

CERTIFIED MAIL
7017 2620 0001 1359 3100

NOTICE OF APPLICABILITY

GENERAL WASTE DISCHARGE REQUIREMENTS FOR SMALL DOMESTIC WASTEWATER TREATMENT SYSTEMS ORDER WQ 2014-0153-DWQ FOR HOLLAND RIVERSIDE MARINA LLC AND DELTA WATERWAYS MGMT. LLC HOLLAND RIVERSIDE MARINA WWTF CONTRA COSTA COUNTY

Holland Riverside Marina LLC, (Marina) submitted a Report of Waste Discharge (RWD) dated 11 June 2019 describing the Holland Riverside Marina wastewater treatment facility in Contra Costa County. Additional information was submitted on 19 July 2019. Based on information provided in the RWD, the wastewater treatment system and discharge are consistent with the requirements of the State Water Resources Control Board's (State Water Board) *General Waste Discharge Requirements for Small Domestic Wastewater Treatment Systems*, Order WQ 2014-0153-DWQ (General Order). This Notice of Applicability (NOA) provides formal notice that upon rescission of Order 5-01-093 at an upcoming Board meeting, the discharge shall be regulated pursuant to the General Order as described below. You are hereby assigned Order WQ 2014-0153-DWQ-R5315 for the discharge. A copy of the General Order is enclosed and is also available at the State Water Board's Adopted Orders webpage (http://www.waterboards.ca.gov/board_decisions/adopted_orders/water_quality/2014/wqo2014_0153_dwq.pdf).

You should familiarize yourself with the entire General Order and its attachments, which describe mandatory discharge and monitoring requirements. The General Order contains operational and reporting requirements by wastewater system type. Sampling, monitoring, and reporting requirements applicable to your treatment and disposal methods must be completed in accordance with the appropriate treatment system sections of the General Order and the attached Monitoring and Reporting Program (MRP) 2014-0153-DWQ-R5315. The Discharger is responsible for all the applicable requirements that exist in the General Order and this NOA.

REGULATORY BACKGROUND

Wastewater discharge from the WWTF is currently regulated by Waste Discharge

Requirements (WDR) Order 5-01-093, which was adopted on 27 April 2001, superseding the previous Order 82-009, adopted on 22 January 1982. Coverage under the General Order will become effective upon rescission of WDR Order 5-01-093, which will occur at an upcoming Central Valley Regional Water Board meeting.

EXISTING FACILITY AND DISCHARGE DESCRIPTION

The Holland Riverside Marina is located in Section 24, T2N, R3E MDM&M, assessor's parcel number 023-040-028-5, at 7000 Holland Tract Road, Brentwood, in Contra Costa County as shown on Attachment A, which is attached hereto and is made part of this NOA by reference. The marina is owned by Holland Riverside Marina LLC, while the land is owned by Delta Waterways Mgt. LLC (hereafter "Dischargers"). Ownership of the properties changed in early 2019. The marina is located in an area without a regional wastewater collection system; therefore, wastewater is collected and treated on-site.

The Dischargers own and operate the WWTF, which provides treatment and disposal service for domestic wastewater generated from public restrooms, showers, and laundry facilities. The Marina provides floating docks with berths for storage of recreational boats along roughly 4000 feet of shoreline along the southeast corner of the Holland Tract. The Marina provides restrooms, showers, and laundry facilities for customers on the docks, as well as restrooms in the interior of the site, on land, for the public and for camping customers. The Marina also provides facilities for the pump-out of boat sewage holding tanks (RV-type waste), however, through administrative controls, it does not accept holding tank waste known to contain chemicals that can damage the collection and biological treatment systems, e.g. formaldehyde, zinc, and phenol. From June 2017 through April 2019 the average flow rate into the WWTF was about 110 gallons per day (gpd), with flows never exceeding 200 gpd. The Marina's water supply for its facilities is from two on-site groundwater wells, the main supply which is about 200 feet to the south-southwest of the main pump station, with the back-up supply well about 500 feet further west inside the levee. The main pump station is shown on Attachment B, which is attached hereto and is made part of this NOA by reference. The potable water well nearest to the wastewater water treatment ponds is about 900 feet to the south. Adjacent land uses are riparian on the water side and agriculture on the inland side.

The WWTF, built around 1989, consists of a low-pressure collection tank (with about 250 gallons of working volume), a lined aeration basin, a lined facultative pond, and two percolation ponds. The system was designed to treat 7500 gpd, with 7-day retention time in the facultative pond. Seven pumping stations, using dedicated pumps, serve the restrooms and facilities on the docks. These pumping stations, including grinder pumps, push wastewater to a central pumping collection station where the pump is cycled on and off based on water level. From the land-based restrooms the wastewater gravity flows directly to the central collection station. The central collection tank, situated with its top head about one foot below grade, is connected to a submerged transfer pump that moves the wastewater north to the treatment ponds. The aeration basin (Pond 1) has a hydraulic capacity of roughly 75,000 gallons with a centrally located electrical aerator. From the aeration basin wastewater flows by gravity to the facultative pond (Pond 2).

For the past few years (roughly 2015 to the present) flow rates have had maxima of around two hundred gallons per day. Because the system was designed to treat maximum flows of 7500 gallons per day, the very low flow and low total volume has resulted in retention

(treatment) time in the facultative pond (Pond 2) on the order of several months rather than the design retention time of several days. The site plan is shown on Attachment B, which is attached hereto and is made part of this NOA by reference.

The WWTF design has undisinfected secondary treated wastewater flowing north, driven by gravity, from the facultative pond (Pond 2) to the percolation ponds (Pond 3E and Pond 3W) where it will seep into the underlying soil and the water table. However, due to extremely low flows the treated wastewater is disposed of through evaporation; the evaporation rate in Pond 2 has exceeded the influent flow rate causing Pond 2 levels to remain below the lower edge of its outlet piping, resulting in no wastewater flow to the percolation ponds for reportedly several years. Grasses have built up in on the bottoms of the percolation ponds, creating a thatch layer of undetermined thickness, but which in the event of effluent influx to Ponds 3E and 3W, will serve to take up nutrients and aid in evapotranspiration of the effluent, minimizing percolation rate and groundwater impacts. The Marina's busy season is the summer when evaporation rates are the highest. During the course of an entire year, including the rainy season (the Marina's slow season), the percolation ponds primarily collect just rainwater. Pond 2 does not have observable solids accumulations as of the autumn of 2018 when the pond was virtually dry. Sludge was reportedly removed from both Pond 1 and Pond 2 sometime around 2017, under the previous owner.

The ponds' estimated depth, surface area, and volume are listed in Table 1.

Table 1 Pond dimensions and capacities

Pond Name	Depth (feet)	Surface Area (acres)	Volume (gal)
Pond 1	6.5	0.05	75000
Pond 2	6.5	0.03	39000
Pond 3E and 3W, combined	6.5	0.10	153000

Two groundwater monitoring wells are located beside the percolation ponds, to depths of approximately 20 feet below ground surface. The upgradient well, MW-E, is located to the east side of Pond 3E, closer to the pond than to the levee, and the downgradient well, MW-W, is just to the west of Pond 3W. Groundwater monitoring data to date show consistently elevated total coliform even after repeated disinfection of the wells.

Recent groundwater monitoring data are summarized in Table 2, showing the measured total coliform range in parentheses. MPN means most probable number of organisms. The water quality objectives in this table are from the Central Valley Regional Water Quality Control Board's Water Quality Control Plan for the Sacramento River Basin and the San Joaquin River Basin.

Table 2 Average historical groundwater monitoring data from June 2017 to April 2019

Parameter	**MW-East** (upgradient)	**MW-West** (downgradient)	**Water Quality Objectives**
Groundwater elevation (ft)	17.5	16.6	not applicable
Total Dissolved Solids (mg/L)	276	261	500
Nitrate as nitrogen (mg/L)	< 0.4	< 0.2	10
Total Coliform (MPN/100mL)	310	235	not applicable
pH	6.4	6.5	not applicable

FACILITY CHANGES

No changes are planned.

SITE-SPECIFIC REQUIREMENTS AND EFFLUENT LIMITS

Note that the General Order contains prohibitions and specifications that apply to all wastewater treatment systems as well as those that only apply to specific treatment and/or disposal systems. The specific requirements and effluent limits for your treatment system are summarized below.

The wastewater treatment operator must be certified and familiar with the requirements contained in the General Order, this NOA, and the MRP.

Requirements by Wastewater System Type, Section B of General Order

This section applies in its entirety to the Holland Riverside Marina WWTF with the following site-specific requirements.

B.1 All Wastewater Systems

a. Influent flow limits (Section B.1.a of General Order).

Treatment Unit	Flow Limit as Monthly Average
Aeration (Pond 1)	7500 gpd
Facultative pond (Pond 2)	7500 gpd

b. Wastewater system setbacks (Section B.1.l, Table 3 of General Order), measured from the nearest high-water limit (bottom of freeboard) in the ponds, or from high water levels in other bodies of water must be at least as described in Table 3 here.

Table 3 Wastewater system setback requirements

Equipment or Activity	Domestic Well	Flowing Stream	Ephemeral Stream Drainage	Property Line	Lake or Reservoir
Seepage Pit (Pond 3)	150 ft	150 ft.	50 ft.	8 ft.	200 ft.
Impoundment of undisinfected secondary recycled water (Pond 2 when there is no discharge to Pond 3)	150 ft.	150 ft.	150 ft.	50 ft.	200 ft.

B.2 – B.4 Not applicable

B.5 Pond Systems

The WWTF uses a pond system; therefore Section B.5 of General Order applies in its entirety.

B.6 – B.7 Not applicable

B.8 Sludge/Solids Disposal

The WWTP consists of lift stations and ponds that may accumulate sludge; therefore Section B.8 of General Order applies in its entirety.

Effluent Limitations, Section D of General Order

This section applies in its entirety to the Holland Riverside Marina WWTF and shall include the following site-specific limitations.

a. Treatment Pond 2 Effluent Limitation, applicable only when there is potentially adequate volume to overflow into Pond 3.

Constituent	Limit
BOD	90 g/L

b. Effluent Limit Rationale:

The pond treatment system is subject to technology performance effluent limits for biochemical oxygen demand (BOD) as specified in the General Order. However, when there is no flow out of Pond 2, there is no effluent to Pond 3, so BOD testing is only required when the level in Pond 2 is within 1 vertical inch of the bottom of the overflow (outlet) pipe, as observed by the water level being at or above the top of the depth gauge attached to the effluent pipe (i.e. the depth gauge is submerged). When the pond level reaches the bottom of the depth gauge, the pond has additional capacity for up two weeks of maximum influent flow.

Staff evaluated the need for a total nitrogen effluent limit using the method contained in the General Order and determined that a nitrogen effluent limit is not required because the monthly average flow will be less than 20,000 gpd, treatment Pond 1 is lined, and all ponds are constructed with a minimum of 3 feet separation from groundwater.

Technical Report Preparation Requirements, Section E.1 of General Order

The following technical reports shall be submitted as described below:

1. By **28 February 2020**, the Discharger shall submit a *Spill Prevention and Emergency Response Plan* (Response Plan) consistent with the requirements of General Order Provision E.1.a.
2. By **28 February 2020**, the Discharger shall submit a *Sampling and Analysis Plan* consistent with the requirements of General Order Provision E.1.b.
3. By **31 March 2020**, the Discharger shall submit a *Pond Liner Inspection Report*, reviewed and signed by a licensed professional. This inspection and report shall be repeated and submitted for each of the lined ponds every 5 years, from the date of the 2019 inspection.
4. **At least 90 days prior** to any removal, drying, treatment, or disposal of sludge for pond maintenance, the Discharger shall submit a *Sludge Management Plan* consistent with the requirements of General Order Provision E.1.c.

MONITORING AND REPORTING PROGRAM

Upon rescission of WDRs 5-01-093, the Discharger shall comply with Monitoring and Reporting Program (MRP) 2014-0153-DWQ-R5315, which is attached hereto and made part of this NOA by reference.

ENFORCEMENT

Please review this NOA carefully to ensure that it completely and accurately reflects the discharge. Discharge of wastes other than those described in this NOA is prohibited. Prior to allowing changes to the wastewater strength or generation rate, or to the method of waste disposal, you must contact the Central Valley Regional Water Board to determine if submittal of an RWD is required.

Holland Riverside Marina LLC, Holland Riverside Marina, and Delta Waterways Mgmt. LLC will generate the waste subject to the terms and conditions of Water Quality Order 2014-0153-DWQ-R5315 and will maintain exclusive control over the discharge. As such, Holland Riverside Marina LLC and Delta Waterways Mgmt. LLC are primarily responsible for compliance with this NOA, MRP, and General Order, with all attachments. Failure to comply with the requirements in the General Order or this NOA could result in an enforcement action as authorized by provisions of the California Water Code.

ANNUAL FEES

The annual fee of $2,286 is based on the discharge's threat to water quality and treatment system complexity rating of 3-C. The fee is due and payable on an annual basis until coverage under the General Order is formally rescinded. Please note that the annual fees are reviewed each year and may change. Holland Riverside Marina must provide written notice if and when the wastewater discharge ceases, so that we can terminate coverage under the General Order and no longer bill you.

DOCUMENT SUBMITTAL

All monitoring reports and other correspondence should be converted to searchable Portable Document Format (PDF) and submitted electronically. Documents that are less than 50 MB should be emailed to: CentralValleySacramento@waterboards.ca.gov.

To ensure that your submittal is routed to the appropriate staff person, the following information should be included in the body of the email or any documentation submitted to the mailing address for this office:

Facility Name: Holland Riverside Marina, Contra Costa County
Program: Non-15 Compliance
Order: 2014-0153-DWQ-R5315
CIWQS Place ID: 230537

Documents that are 50 MB or larger should be copied to a CD, DVD, or flash drive and mailed to:

Central Valley Regional Water Quality Control Board
ECM Mailroom
11020 Sun Center Drive, Suite 200
Rancho Cordova, CA 95670

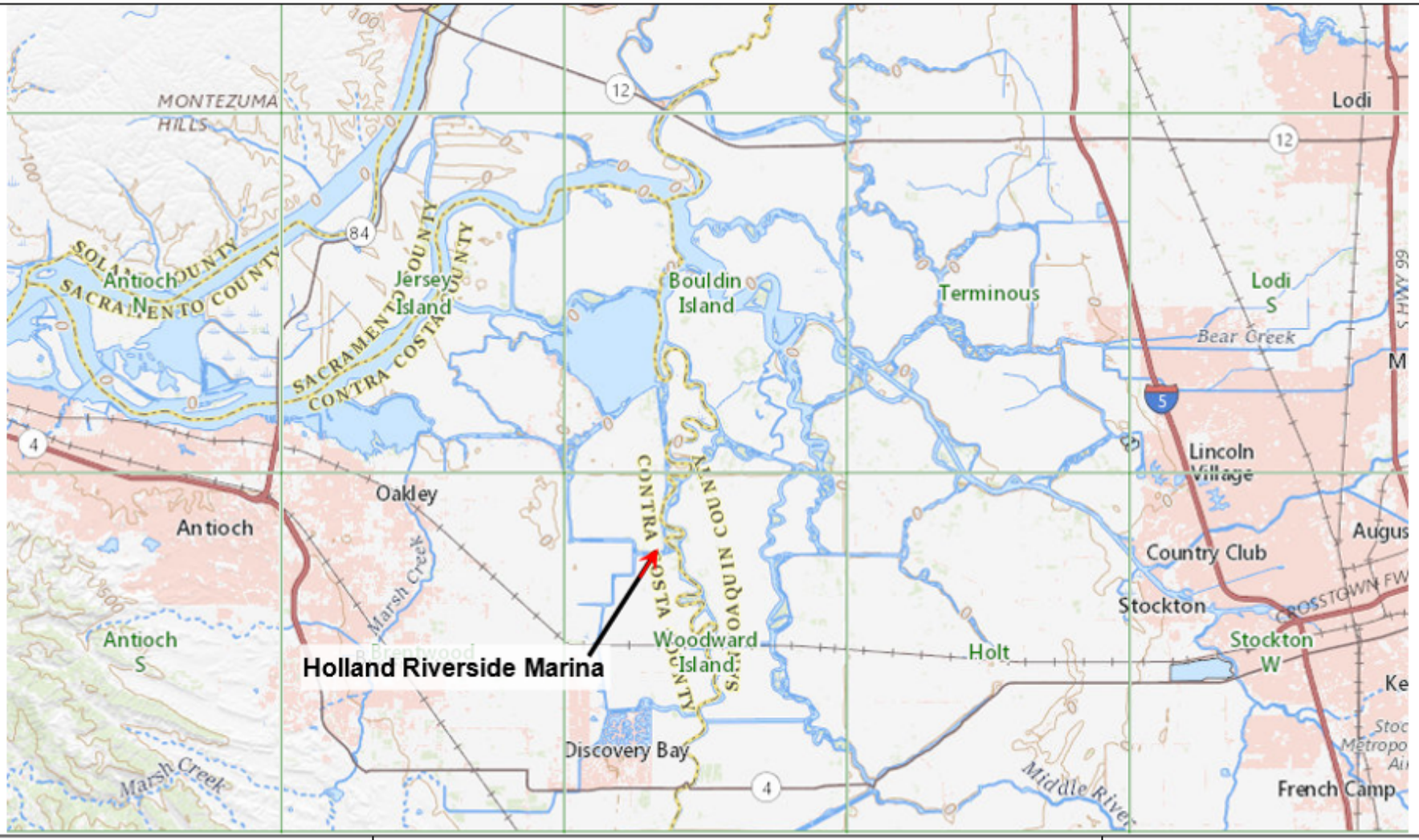
Now that the Notice of Applicability has been issued, the Board's Compliance and Enforcement section will take over management of your case. Guy Childs is your new point of contact for any questions about the General Order. If you find it necessary to make a change to your permitted operations, Guy will direct you to the appropriate Permitting staff. You may contact him at guy.childs@waterboards.ca.gov or at (916) 464-4648.

Original signed by Robert Busby for

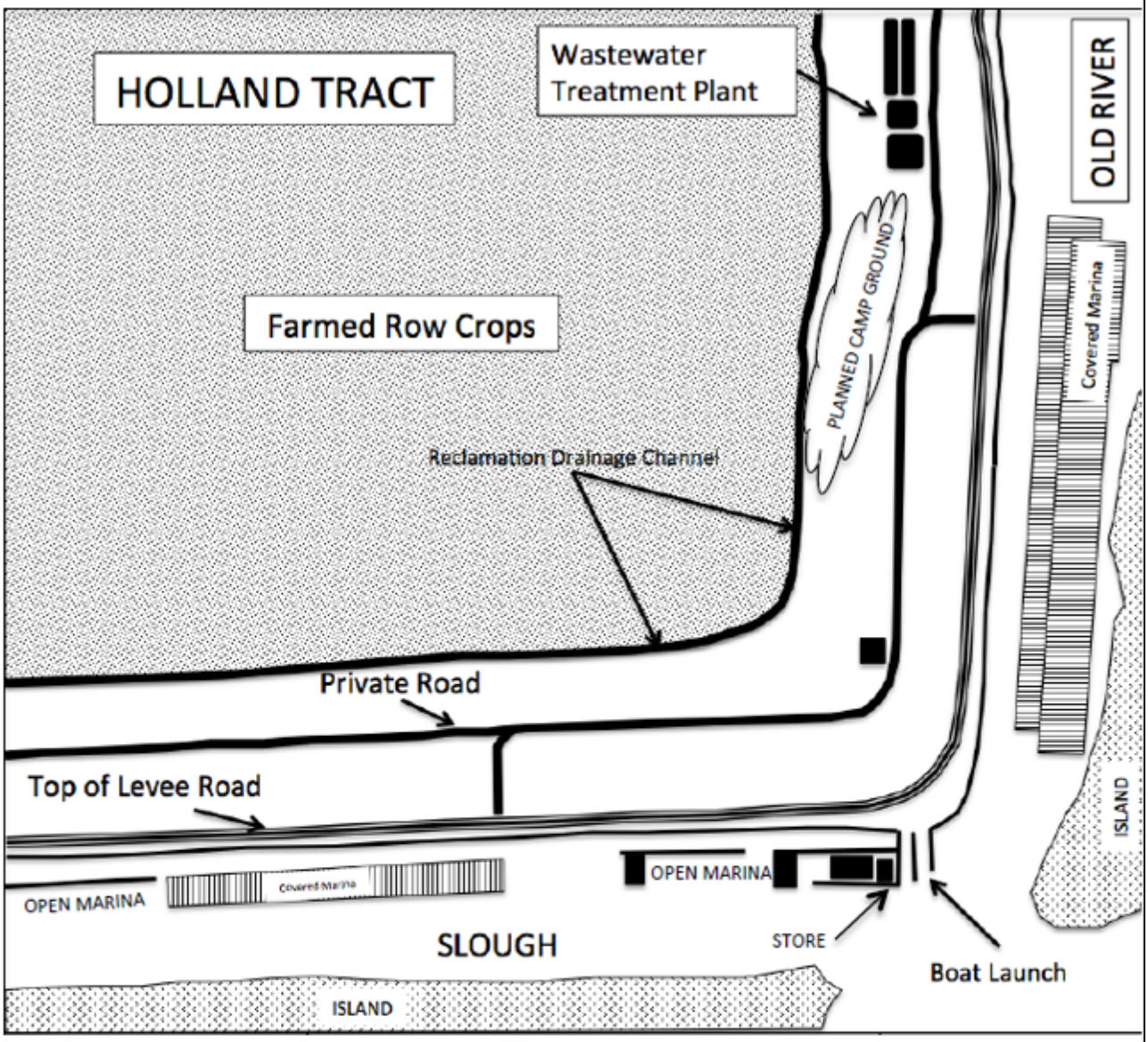
Patrick Pulupa
Executive Officer

enc: Water Quality Order WQ 2014-0153-DWQ
Monitoring and Reporting Program 2014-0153-DWQ-R5315
Attachment A, Site Location Map
Attachment B, Site Plan
Attachment C, Wastewater Treatment System Schematic

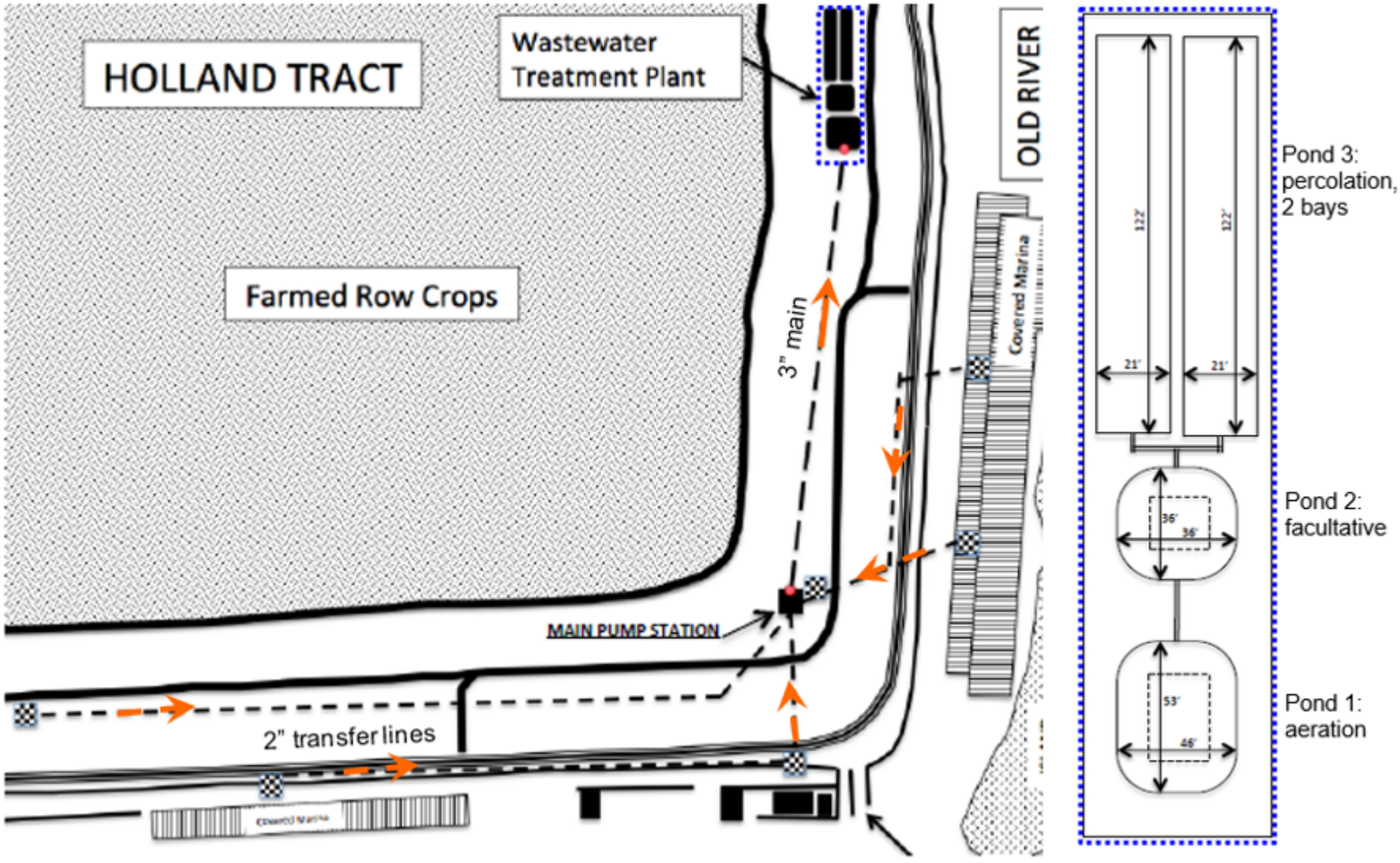
cc w/out enc: Timothy O'Brien, State Water Resources Control Board, Sacramento
Contra Costa County Environmental Health Department



Source	SITE LOCATION MAP	1 inch ≈ 4 miles
U.S.G.S. Topographic Map 7.5 Minute Quadrangle	Holland Riverside Marina Contra Costa County	N W E S



Source	SITE PLAN	N / W / E / S	1 in ≈ 320 ft
Report of Waste Discharge International Engineering Services, Inc.	Holland Riverside Marina Contra Costa County		



Source

Report of Waste Discharge
International Engineering Services, Inc.

FLOW SCHEMATIC

Holland Riverside Marina
Contra Costa County

LEGEND

Wastewater generating location with pump

Direction of flow

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY REGION

MONITORING AND REPORTING PROGRAM WQ 2014-0153-DWQ-R5315
FOR
HOLLAND RIVERSIDE MARINA LLC, AND DELTA WATERWAYS MANAGEMENT LLC
HOLLAND RIVERSIDE MARINA WWTF
CONTRA COSTA COUNTY

This Monitoring and Reporting Program (MRP) describes requirements for monitoring a wastewater treatment system at the Holland Riverside Marina WWTF. This MRP is issued pursuant to Water Code section 13267. The Discharger shall not implement any changes to this MRP unless and until a revised MRP is issued by the Regional Water Quality Control Board, Central Valley Region (Central Valley Water Board) or Executive Officer.

Water Code section 13267 states, in part:

> *"In conducting an investigation specified in subdivision (a), the regional board may require that any person who has discharged, discharges, or is suspected of having discharged or discharging, or who proposes to discharge waste within its region, or any citizen or domiciliary, or political agency or entity of this state who has discharged, discharges, or is suspected of having discharged or discharging, or who proposes to discharge, waste outside of its region that could affect the quality of waters within its region shall furnish, under penalty of perjury, technical or monitoring program reports which the regional board requires. The burden, including costs, of these reports shall bear a reasonable relationship to the need for the report and the benefits to be obtained from the reports. In requiring those reports, the regional board shall provide the person with a written explanation with regard to the need for the reports, and shall identify the evidence that supports requiring that person to provide the reports."*

Water Code section 13268 states, in part:

> *"(a) Any person failing or refusing to furnish technical or monitoring program reports as required by subdivision (b) of section 13267, or failing or refusing to furnish a statement of compliance as required by subdivision (b) of section 13399.2, or falsifying any information provided therein, is guilty of a misdemeanor and may be liable civilly in accordance with subdivision (b).*
>
> *(b)(1) Civil liability may be administratively imposed by a regional board in accordance with article 2.5 (commencing with section 13323) of chapter 5 for a violation of subdivision (a) in an amount which shall not exceed one thousand dollars ($1,000) for each day in which the violation occurs."*

The Holland Riverside Marina WWTF (WWTF) discharge is regulated by the Notice of Applicability (NOA) of Water Quality Order 2014-0153-DWQ-R5315. The WWTF is owned and operated by Holland Riverside Marina LLC. The land is owned by Delta Waterways Management LLC. Pursuant to Water Code section 13267, the Discharger shall implement this MRP and submit the monitoring reports described herein. The reports are necessary to ensure that the Discharger complies with the NOA and General Order.

All samples shall be representative of the volume and nature of the discharge or matrix of material sampled. The name of the sampler, sample type (grab or composite), time, date,

location, bottle type, and any preservative used for each sample shall be recorded on the sample chain of custody form. The chain of custody form must also contain all custody information including date, time, and to whom samples were relinquished. If composite samples are collected, the basis for sampling (time or flow weighted) shall be approved by Central Valley Water Board staff.

Field test instruments (such as those used to test pH, dissolved oxygen, and electrical conductivity) may be used provided that they are used by a State Water Resources Control Board, Environmental Laboratory Accreditation Program certified laboratory, or:

1. The user is trained in proper use and maintenance of the instruments;
2. The instruments are field calibrated prior to monitoring events at the frequency recommended by the manufacturer;
3. Instruments are serviced and/or calibrated by the manufacturer at the recommended frequency; and
4. Field calibration reports are maintained and available for at least three years.

Laboratory analytical procedures shall comply with the methods and holding times specified in the following (as applicable to the medium to be analyzed):

- *Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater (United States Environmental Protection Agency* (*EPA));*
- *Test Methods for Evaluating Solid Waste (EPA);*
- *Methods for Chemical Analysis of Water and Wastes (EPA);*
- *Methods for Determination of Inorganic Substances in Environmental Samples (EPA);*
- *Standard Methods for the Examination of Water and Wastewater (APHA/AWWA/WEF);*
- *Soil, Plant and Water Reference Methods for the Western Region (WREP 125).*

Approved editions shall be those that are approved for use by the EPA or the California Department of Public Health's Environmental Laboratory Accreditation Program (ELAP). The Discharger may propose alternative methods for approval by the Executive Officer. Where technically feasible, laboratory reporting limits shall be lower than concentrations that implement applicable water quality objectives/limits for the constituents to be analyzed.

A glossary of terms used in this MRP is included on the last page.

INFLUENT FLOW MONITORING

Average daily influent flow rate shall be monitored as specified in Table 1, in units of gallons per day. Because this flow is calculated based on the volume of water pumped from the supply well, it is acceptable to read the meters weekly and calculate an average daily flow rate based on the weekly reading, provided the calculation used is included in the monitoring report.

Table 1 Daily influent flow rate monitoring

Units	Type of Sample	Monitoring Frequency	Reporting Frequency
gallons per day (gpd)	calculated	weekly	Quarterly

WASTEWATER POND MONITORING

The Discharger shall monitor each pond as specified below in Table 2. If there is no water in the pond, that condition shall be noted in the monitoring log.

1. Freeboard shall be measured vertically from the surface of the pond water to the lowest elevation of the surrounding berm to the nearest tenth of a foot (0.1 feet).
2. Pond containment berms shall be observed for signs of burrowing animals and seepage or surfacing water along the exterior toe. If surfacing water is found, then a sample shall be collected and tested for total coliform organisms and total dissolved solids. Evidence of animals burrowing shall be immediately investigated and burrowing animal populations controlled as necessary.
3. Dissolved oxygen shall be monitored at each pond that contains at least one foot of standing water. The quarterly report shall state how much water was in the pond in the event that dissolved oxygen was not monitored. Wastewater samples shall be collected opposite the pond inlet at a depth of one foot. Units are milligrams per liter (mg/L).
4. The pond liner condition and a determination of whether the liner is leak-free shall be performed for each pond lined with a geosynthetic liner, i.e. Pond 1 (aeration pond) and Pond 2 (facultative pond).
5. Pond 3 (percolation ponds) shall be inspected to ensure they are able to allow wastewater to infiltrate as designed. Visual inspection of the water level in the seepage pit is adequate.

Table 2 Pond monitoring parameters and reporting frequency

Parameter	Units	Type of Sample	Monitoring Frequency	Reporting Frequency
Freeboard	feet	Observation	Monthly	Quarterly
Berm condition	--	Observation	Monthly	Quarterly
Seepage	--	Observation	Monthly	Quarterly
Odors	--	Observation	Monthly	Quarterly
Dissolved Oxygen	mg/L	Grab	Monthly	Quarterly
Pond Liner Condition	--	Observation	Every 5 years	Every 5 Years

EFFLUENT MONITORING

Effluent samples shall be collected from Pond 2 prior to disposal to Pond 3, when the level in Pond 2 is within 1 vertical inches of the bottom of the overflow (outlet) pipe, as observed by the water level being at or above the top of the depth gauge attached to the effluent pipe (the

gauge is submerged). In the case of such pending overflow to Pond 3, the Discharger shall monitor the specific parameters in the effluent according to the frequency specified in Table 3. If no monitoring was performed, this shall be noted as part of the report.

Table 3 Effluent quality monitoring

Parameter	Units	Type of Sample	Monitoring Frequency	Reporting Frequency
BOD_5	mg/L	Grab	Monthly	Quarterly

SOLIDS DISPOSAL MONITORING

The Discharger shall report the handling and disposal of all solids (e.g., screenings, grit, sludge, biosolids, etc.) generated at the wastewater system. Records shall include the name/contact information for the hauling company, the type and amount of waste transported, the date removed from the wastewater system, the disposal facility name and address, and copies of analytical data required by the entity accepting the waste. These records shall be submitted as part of the annual monitoring report, in years when such solids handling occurs.

GROUNDWATER MONITORING

Groundwater shall be monitored according to the schedule below in Table 4 using monitoring wells MW-East and MW-West. Monitoring data and groundwater flow direction analysis shall be performed semiannually (twice per year) and shall be performed under the supervision of a California licensed civil engineer or geologist. Groundwater elevation shall be based on depth to water using a surveyed measuring point elevation on the well and a surveyed reference elevation. Depth to groundwater shall be reported as feet below ground surface. After wastewater disposal has begun and six semiannual groundwater monitoring events have occurred, the Discharger may request a reduced monitoring and reporting schedule if groundwater monitoring data indicate that the discharge is not impacting groundwater quality.

Prior to sampling, groundwater elevations shall be measured and the wells shall be purged of at least three well volumes and until pH has stabilized. No-purge, low-flow, or other sampling techniques are acceptable if they are described in an approved Sampling and Analysis Plan. Depth to groundwater shall be measured to the nearest hundredth of a foot (0.01 feet). Groundwater elevations shall be calculated. Samples shall be collected using approved USEPA methods, with analysis of data at least annually by a California licensed professional.

Groundwater elevation shall be based on depth to water using a surveyed measuring point elevation on the well and a surveyed reference elevation. Total coliform organisms must be evaluated using a minimum of 15 tubes or three dilutions.

Table 4 Groundwater monitoring parameters and reporting frequency

Parameter	Units	Sample Type	Monitoring Frequency	Reporting Frequency
Groundwater Elevation	feet	Calculation	Semiannually	Annually
Depth to Groundwater	feet	Measurement	Semiannually	Annually
Gradient	feet/feet	Calculation	Semiannually	Annually
Gradient Direction	degrees	Calculation	Semiannually	Annually

Parameter	Units	Sample Type	Monitoring Frequency	Reporting Frequency
pH	std. units	Grab	Semiannually	Annually
Total Dissolved Solids	mg/L	Grab	Semiannually	Annually
Nitrate as Nitrogen	mg/L	Grab	Semiannually	Annually
Total Coliform Organisms	MPN/100 mL	Grab	Semiannually	Annually
Sodium	mg/L	Grab	Semiannually	Annually
Chloride	mg/L	Grab	Semiannually	Annually

REPORTING

All monitoring reports should be converted to a searchable portable document format (pdf) and submitted electronically. Documents that are less than 50 MB should be emailed to: centralvalleysacramento@waterboards.ca.gov.

Documents that are 50 MB or larger should be transferred to a CD, DVD, or flash drive and mailed to the following address:

Central Valley Regional Water Quality Control Board
ECM Mailroom
11020 Sun Center Drive, Suite 200
Rancho Cordova, California 95670

To ensure that your submittal is routed to the appropriate staff person, the following information should be included in the body of the email or transmittal sheet:

Attention: Compliance/Enforcement Section
Holland Riverside Marina LLC and Delta Waterways Mgmt. LLC
Holland Riverside Marina WWTF
Contra Costa County
Place ID: 230537

In reporting monitoring data, the Discharger shall arrange the data in tabular form so that the date, sample type (e.g., effluent, solids, etc.), and reported analytical or visual inspection results are readily discernible. The data shall be summarized to clearly illustrate compliance with the General Order and NOA as applicable. The results of any monitoring done more frequently

than required at the locations specified in the MRP shall be reported in the next regularly scheduled monitoring report and shall be included in calculations as appropriate.

Monitoring information shall include the method detection limit (MDL) and the Reporting limit (RL) or practical quantitation limit (PQL). If the regulatory limit for a given constituent is less than the RL (or PQL), then any analytical results for that constituent that are below the RL (or PQL) but above the method detection limit shall be reported and flagged as estimated.

A. Quarterly Monitoring Reports

Quarterly reports shall be submitted to the Regional Water Board on the **first day of the second month after the quarter ends** (e.g. the January-March Quarterly Report is due by May 1st). The reports shall bear the certification and signature of the Discharger's authorized representative. At a minimum, the quarterly reports shall include:

1. Results of all required monitoring. Data shall be organized by the associated monitoring sections (e.g., Flow Monitoring, Effluent Monitoring, etc.) and presented in tabular format.
2. A comparison of monitoring data to the discharge specifications, flow limit and applicable effluent limits.
3. A disclosure of any violations of the NOA and/or General Order requirements, and an explanation of corrective actions.
4. If requested by staff, copies of laboratory analytical report(s) and chain of custody form(s).

B. Annual Reports

Annual Reports shall be submitted to the Regional Water Board by **February 1st following the monitoring year**. The Annual Report shall include the following:

1. Tabular and graphical summaries of all monitoring data collected during the year.
2. An evaluation of the performance of the wastewater treatment facility, including discussion of capacity issues, nuisance conditions, system problems, and a forecast of the flows anticipated in the next year.
3. A discussion of compliance and the corrective action taken, as well as any planned or proposed actions needed to bring the discharge into compliance with the NOA and/or General Order.
4. A discussion of any data gaps and potential deficiencies/redundancies in the monitoring system or reporting program.
5. Every five years after the issuance of this NOA, the report shall include an evaluation of the pond liner condition and test results that determine whether the pond liner is leak-free. The report shall include procedures for replacement or repair of the liner when a leak is detected.
6. The name and contact information for the wastewater operator responsible for operation, maintenance, and system monitoring.

7. A groundwater monitoring report prepared by a California licensed professional. This report may be prepared separately from the rest of the Annual Report. The report shall contain an analysis of groundwater data collected during the year. The analysis shall include a description of the sample events, copies of the field logs, purge method and volume, groundwater elevation and trend, a groundwater elevation map for each sample event, summary tables showing results for parameters measured, comparison of groundwater quality parameters to standards in the NOA, chain-of-custody forms, calibration logs for field equipment used, and a general evaluation of any impacts the wastewater discharge is having on groundwater quality.

A letter transmitting the monitoring reports shall accompany each report. The letter shall clearly indicate the submitting Discharger's name, facility or site name, county, monitoring period, and type of report (i.e. quarterly, or annual). The letter shall report violations found during the reporting period, and actions taken or planned to correct the violations and prevent future violations. If the discharger has previously submitted a report describing corrective actions and/or a time schedule for implementing the corrective actions, reference to the previous correspondence will be satisfactory. to correct the violations and prevent future violations. The transmittal letter shall contain the following penalty of perjury statement and shall be signed by the Discharger or the Discharger's authorized agent:

"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 the 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."

The Discharger shall implement the above monitoring program as of the date of this MRP.

I, PATRICK PULUPA, Executive Officer, do hereby certify that the foregoing is a full, true, and correct copy of a Monitoring and Reporting Program issued by the California Regional Water Quality Control Board, Central Valley Region on 11 September 2019.

Ordered by: *Original signed by Robert Busby for*
PATRICK PULUPA, Executive Officer

11 September 2019
DATE

GLOSSARY

BOD_5	Five-day biochemical oxygen demand
TDS	Total dissolved solids
TSS	Total suspended solids
Continuous	The specified parameter shall be measured by a meter continuously.
24-hr Composite	Samples shall be a flow-proportioned composite consisting of at least eight aliquots over a 24-hour period.
Daily	Every day except weekends or holidays.
Weekly	Once per week.
Twice Monthly	Twice per month during non-consecutive weeks.
Monthly	Once per calendar month.
Bimonthly	Once every two calendar months (i.e., six times per year) during non-consecutive months.
Quarterly	Once per calendar quarter.
Semiannually	Once every six calendar months (i.e., two times per year) during non-consecutive quarters.
Annually	Once per year.
mg/L	Milligrams per liter
gpd	Gallons per day
mgd	Million gallons per day
MPN/100 mL	Most probable number [of organisms] per 100 milliliters