California Regional Water Quality Control Board, San Diego Region

February 10, 2016

In reply refer to:
248439: ACali

Mr. Dan Brogadir
County of San Diego
5500 Overland Ave, Suite 410
San Diego, CA 92123

Subject: Notice of Applicability for Order WQ 2014-0153-DWQ, Pine Valley Water Pollution Control Facility

Mr. Brogadir:

This Notice of Applicability (NOA) enrolls the discharge from Pine Valley Water Pollution Control Facility (Pine Valley WPCF) in Order WQ 2014-0153-DWQ*, General Waste Discharge Requirements for Small Domestic Wastewater Treatment Systems* (General Order). A copy of the General Order is enclosed with this letter and is available online at:

http://www.swrcb.ca.gov/board_decisions/adopted_orders/water_quality/2014/wqo2014_0153_dwq.pdf

The San Diego County Sanitation District (hereafter "County" or "Discharger") operates the Pine Valley Water Pollution Control Facility (WPCF) and submitted a Report of Waste Discharge (ROWD, dated May 2015) requesting modification of Order No. 94-161, *Waste Discharge Requirements for the County of San Diego Pine Valley Sanitation District, Pine Valley Water Pollution Control Facility, San Diego County*. The information in the ROWD indicates that the Pine Valley WPCF is eligible for enrollment in the General Order. This information was confirmed during a site inspection of the Pine Valley WPCF by California Regional Water Quality Control Board, San Diego Region (San Diego Water Board) staff on January 12, 2016. The effective date of enrollment of the discharge in the General Order will be the date the San Diego Water Board rescinds Order No. 94-161. The San Diego Water Board is scheduled to consider rescinding Order No. 94-161 at its meeting on March 9, 2016. The San Diego Water Board will notify you via email of the date enrollment in the General Order becomes effective.

1. FACILITY AND DISCHARGE DESCRIPTION

The Pine Valley WPCF is located off Interstate 8, at the intersection of Pine Valley Road and Old Highway 80. The location of the Pine Valley WPCF is shown on the Regional Map which is enclosed herein (Enclosure 1) and is made part of this NOA by reference.

The Pine Valley WPCF consists of aeration ponds and a blower building. The aerated ponds have an average hydraulic retention time of approximately 40 days based on pond volumes

and the design flow rate of 40,000 gpd. The aerated ponds are divided into east and west portions with a submerged berm. Each pond is approximately 140 feet by 140 feet with an average depth of 5.5 feet. The aeration ponds are aerated with a 3 horsepower surface mechanical aerator. Treated effluent from the Pine Valley WPCF is discharged to eight onsite percolation ponds.

Wastewater flows are typically higher during weekend and summer periods than during offseason periods. Typical flows from the WPCF are significantly below the permitted capacity of the plant of 40,000 gpd, averaging 8,500 gpd during 2014. The Pine Valley WPCF and the percolation ponds are located within the Pine Hydrologic Subarea (911.41) of the Monument Hydrologic Area (911.40).

2. CALIFORNIA ENVIRONMENTAL QUALITY ACT

The proposed project is the enrollment of the facility in the General Order. The Facility is not adding or changing any treatment process. As such this project is categorically exempt from the requirements of the California Environmental Quality Act as provided by title 14, California Code of Regulations (Cal. Code Regs.), section 15301, and in compliance with title 14, Cal. Code Regs., section 15300.2.

3. SITE SPECIFIC REQUIREMENTS AND EFFLUENT LIMITS

The wastewater treatment operator must be familiar with the requirements contained in the General Order, this Notice of Applicability (NOA), and the Monitoring and Reporting Program (MRP) in Section 4 below.

The General Order contains prohibitions and specifications that apply to all wastewater systems, and specifications that apply only to specific treatment and/or disposal systems. In addition to the requirements that apply to all systems, the specific requirements and effluent limitations for the Pine Valley WPCF wastewater treatment system are specified in Table 1, which is enclosed herein (Enclosure 3) and is made part of this NOA by reference.

a. Required Plans

Submit the following plans as described below:

- A *Spill Prevention and Emergency Response Plan* consistent with the requirements of General Order Provision E.1.a. to be received by the San Diego Water Board before **5:00 p.m. on June 9, 2016**.
- A *Sampling and Analysis Plan* consistent with the requirements of General Order Provision E.1.b to be received by the San Diego Water Board before **5:00 p.m. on June 9, 2016**.
- A *Sludge Management Plan* consistent with the requirements of General Order Provision E.1.c to be received by the San Diego Water Board before **5:00 p.m. on June 9, 2016**.

Upon approval of the plans by the San Diego Water Board, the Discharger shall implement the plans.

b. Applicable Requirements of the General Order

Ensure the discharge complies with the following conditions and sections of the General Order referenced below.

i. Flow Limitation

The annual average daily flow rate from the WPCF shall not exceed **20,000 gpd** for any calendar year, and the daily maximum flow rate shall not exceed **40,000 gpd**.

ii. Applicable Effluent Limitations

The discharge must comply with effluent limitations specified in Section D.1.a (see Table 4) of the General Order and Table 1 (see Enclosure 3).

iii. Setback Requirements

New discharge must maintain the applicable setbacks specified in Table 3 of the General Order. Existing facilities may not comply with the setback requirements. Such noncomplying sites may be permitted under this General Order if nuisance conditions do not result from the noncompliance. Expansion of a noncomplying wastewater system shall trigger further evaluation of the setbacks.

4. MONITORING AND REPORTING PROGRAM

The Discharger shall comply with the monitoring requirements below which are from the Monitoring and Reporting Program of the General Order.

a. Submit quarterly and annual monitoring reports as specified in the reporting section of Attachment C (Information Sheet-Model Monitoring and Reporting Program) of the General Order. The first quarterly report due is the April-June 2016 quarterly report, which must be received by the San Diego Water Board before 5:00 p.m. on **August 1, 2016**. The first annual report due is the January-December 2016 annual report, which must be received by the San Diego Water Board before 5:00 p.m. on **March 1, 2017**.

b. Conduct monitoring and submit monitoring results as specified in the sections of Attachment C of the General Order pertaining to, Pond System Monitoring.

c. Collect effluent samples from a location that represents the effluent quality distributed to the disposal area as specified in Table 2 below, and monitor both the aeration and percolation ponds as specified in Table 3 below.

Table 2. Effluent Monitoring

Constituent	Units	Sample Type	Sample Frequency	Reporting Frequency
Flow Rate[a]	gpd	Meter	Continuous	Quarterly
Biological Oxygen Demand	mg/L[b]	Grab	Monthly	Quarterly

Constituent	Units	Sample Type	Sample Frequency	Reporting Frequency
Total Suspended Solids	mg/L[b]	Grab	Monthly	Quarterly
pH	pH units	Grab	Monthly	Quarterly
Total Dissolved Solids	mg/L[b]	Grab	Monthly	Quarterly
Chloride	mg/L[b]	Grab	Monthly	Quarterly
Total Nitrogen	mg/L[b]	Grab	Monthly	Quarterly

Table Notes:

a. At a minimum, the total flow shall be measured monthly to calculate the average daily flow for the month. Flow rates may be measured on influent or effluent flow.
b. mg/L denotes milligrams per liter.

Table 3. Wastewater Pond Monitoring

Constituent	Units	Sample Type	Sample Frequency	Reporting Frequency
Dissolved Oxygen.	mg/L	Grab	Monthly	Quarterly
Freeboard	0.1 feet	Measurement	Monthly	Quarterly
Odors	--	Observation	Quarterly	Quarterly
Berm Condition	--	Observation	Quarterly	Quarterly

d. Monitor the groundwater for the following parameters specified in Table 4 below.

Table 4. Effluent Monitoring

Constituent	Units	Sample Type	Sample Frequency	Reporting Frequency
Calcium	mg/L[b]	Grab	Annual	Annual
Chloride	mg/L[b]	Grab	Annual	Annual
Copper	mg/L[b]	Grab	Annual	Annual
Fluoride	mg/L[b]	Grab	Annual	Annual
Magnesium	mg/L[b]	Grab	Annual	Annual
Manganese	mg/L[b]	Grab	Annual	Annual
MBAS[a]	mg/L[b]	Grab	Annual	Annual
pH	mg/L[b]	Grab	Annual	Annual
Sulfate	mg/L[b]	Grab	Annual	Annual
Total Nitrogen	mg/L[b]	Grab	Annual	Annual
Total Dissolved Solids	mg/L[b]	Grab	Annual	Annual
Zinc	mg/L[b]	Grab	Annual	Annual

Table Notes:

a. Methylene Blue Active Substances
b. mg/L denotes milligrams per liter.

5. ENFORCEMENT

Please review this NOA carefully to ensure that it completely and accurately reflects the discharge. If the discharge violates the terms or conditions listed in the NOA or the General Order, the San Diego Water Board may take enforcement action, including assessment of administrative civil liability. Prior to allowing changes to the wastewater strength or generation rate, or if the method of waste disposal changes from that described in the ROWD, you must contact the San Diego Water Board to determine if submittal of a new or revised ROWD is required.

The County will generate the waste subject to the terms and conditions of the General Order and will maintain exclusive control over the discharge. As such, the County is primarily responsible for compliance with the General Order and this NOA.

Failure to comply with the requirements in the General Order or in this NOA could result in an enforcement action as authorized by provisions of the Water Code. Discharges of wastes other than those described in the ROWD are prohibited.

6. ANNUAL FEES & SAN DIEGO WATER BOARD CONTACT INFORMATION

The discharge has a threat to water quality and complexity rating of 2-B. The annual fee corresponding to a threat to water quality and complexity of 2-B can be found using the current fee schedule;[1] however, based on the flow rate, the discharge qualifies for the 50-percent fee discount. The fee is due and payable on an annual basis until enrollment in the General Order is formally terminated. To terminate enrollment, you must provide written notice if the wastewater discharge ceases so that the San Diego Water Board may terminate enrollment and avoid unnecessary billing.

Please review the conditions specified in this NOA and applicable sections of the General Order and notify the San Diego Water Board if for any reason the discharge is not able to comply with any of the conditions specified in this NOA or the General Order.

Please submit all required reports to the San Diego Water Board by email. The email submittals must include a signed cover/transmittal letter (with the facility name, facility contact information, and reference code: **248439**:**ACali**), and be sent via email to sandiego@waterboards.ca.gov. Routine email correspondence may be sent directly to individual San Diego Water Board staff members.

Documents that are 50 megabytes or larger should be transferred to a disk and mailed to the San Diego Water Board. For more extensive information provided in Reports of Waste Discharge (ROWDs) and/or large documents the San Diego Water Board staff may request that specific individual items such as appendices to large/complex technical reports and/or large drawings, grading plans, or maps continue to be provided in paper format.

[1] http://www.waterboards.ca.gov/resources/fees/water_quality/

If you have any specific questions about email submittal procedures please contact Ms. Cleo Munoz in the Mission Support Unit, at 619-521-3384 or via email at cleo.munoz@waterboards.ca.gov.

Respectfully,

David W. Gibson
Executive Officer

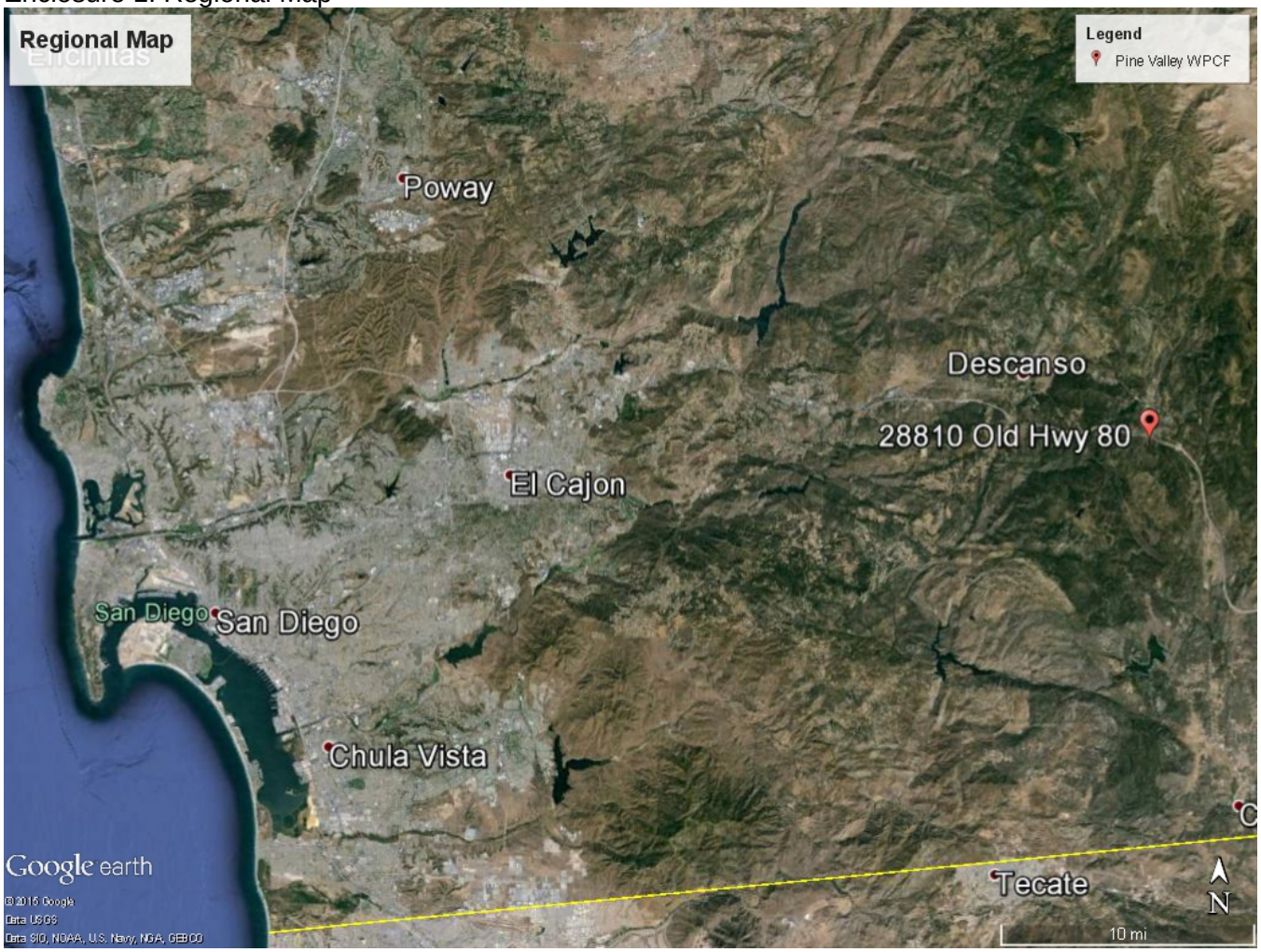
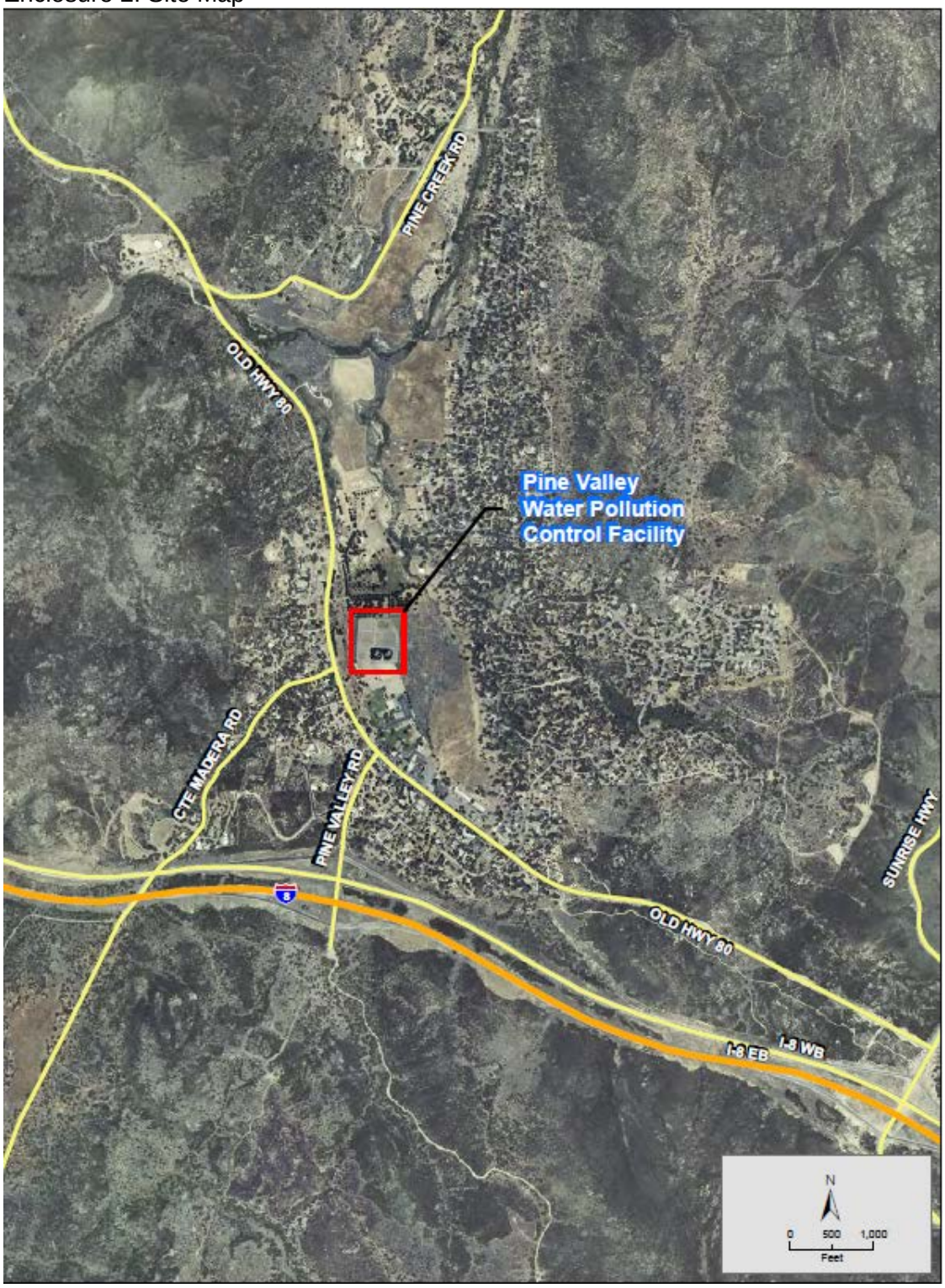
DG:jac:jro:ac

Enclosures:

1. Regional Map
2. Site Map
3. Table 1- Summary of General Order Requirements
4. Copy of General Waste Discharge Requirements for Small Domestic Wastewater Treatment Systems

CIWQS INFO	
Place ID	248439
Party ID	11763
Regulatory Measure ID	142494

Enclosure 1: Regional Map



Enclosure 2: Site Map