

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
CENTRAL VALLEY REGION

MONITORING AND REPORTING PROGRAM 2018-0811  
CALIFORNIA WATER CODE SECTION 13267

FOR

UNITED STATES OF THE INTERIOR, BUREAU OF RECLAMATION  
ADMINISTRATIVE CENTER AND OAK SHORES DAY USE AREA  
FILTER BACKWASH POND  
NAPA COUNTY

The United States of the Interior, Bureau of Reclamation (Discharger) owns and operates a water supply treatment system located at 5520 Knoxville Road in Napa County which serves the Administrative Center and Oak Shores Day Use Area. Wastewater generated by the filter backwash cycle is discharged to an approximately 35,000-gallon unlined evaporation/percolation pond referred to as the Backwash Pond. A second pond, Backwash Pond 2, is not used. Pond locations are shown on Attachment A, which is attached hereto and is made part of this Monitoring and Reporting Program by reference.

This Monitoring and Reporting Program (MRP) is issued to the United States of the Interior, Bureau of Reclamation, pursuant to California Water Code (CWC) section 13267. This MRP is necessary to provide monitoring and reporting requirements for filter backwash water discharges to the Backwash Pond(s). This MRP replaces the requirements listed in Waste Discharge Requirements Order 5-00-202, which was adopted on 15 September 2000 and will be rescinded at an upcoming Central Valley Regional Water Board meeting.

The Discharger shall submit reports required by this MRP and the applicable portions of the Standard Provisions and Reporting Requirements dated 1 March 1991 pursuant to Water Code section 13267. Failure to submit the required reports can result in the imposition of civil monetary liability. 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.”

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.

If monitoring consistently shows no significant variation in magnitude of a constituent concentration or parameter after at least 12 months of monitoring, the Discharger may request this MRP to be revised to reduce monitoring frequency. The proposal must include adequate technical justification for reduction in monitoring frequency.

### FILTER BACKWASH POND MONITORING

Samples shall be collected from the Backwash Pond and shall be representative of the volume and nature of the discharge. Wastewater monitoring shall include, at a minimum, the following:

Parameter	Units	Type of Sample	Monitoring Frequency	Reporting Frequency
Flow to Pond <sup>1</sup>	gpd	Meter Observation	Daily	Quarterly
Freeboard <sup>2</sup>	0.1 feet	Staff Gage	Monthly	Quarterly
pH <sup>3</sup>	mg/L	Grab	Monthly	Quarterly
Dissolved Oxygen <sup>3,4</sup>	mg/L	Grab	Monthly	Quarterly
Specific Conductivity <sup>3</sup>	µmhos/cm	Grab	Monthly	Quarterly
Levee/Berm Condition <sup>5</sup>	--	Observation	Weekly	Quarterly
Odors	--	Observation	Weekly	Quarterly

- 1 Flow rate may be metered or estimated based on potable water supply meter readings or other approved method. Daily flows may be calculated based on monthly flow monitoring data.
- 2 Freeboard shall be measured vertically from the surface of the pond water to the lowest elevation of the surrounding berm and shall be measured to the nearest 0.1 feet.
- 3 A hand-held field unit may be used to measure pH, dissolved oxygen, and specific conductivity.
- 4 Dissolved oxygen shall be monitored at each pond that contains at least one foot of standing water. The report shall state how much water was in the pond if dissolved oxygen was not monitored. Samples shall be collected opposite the pond inlet at a depth of one foot.
- 5 Pond containment berms shall be observed for signs of seepage or surfacing water along the exterior toe.

In addition, the Discharger shall inspect the condition of the pond once per week and document visual observations. Notations shall include observations of:

- a. Presence of weeds in the water or along the berm;
- b. Accumulations of dead algae, vegetation, scum, or debris on the pond surface;
- c. Animal burrows in the berms; and
- d. Pond seepage through berms.

### REPORTING

All monitoring reports should be converted to a searchable Portable Document Format (PDF) and submitted electronically. Documents that are less than 50MB 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, CA 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  
United States of the Interior, Bureau of Reclamation  
Administrative Center and Oak Shores Day Use Area, Filter Backwash Pond  
Napa County  
Place ID: 204492

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 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 MDL shall be reported and flagged as estimated. For a Discharger conducting any of its own analyses, reports must be signed and certified by the chief of the laboratory.

#### **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 1<sup>st</sup>). 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 quarterly monitoring. Data shall be organized by the associated monitoring sections (e.g., Pond Monitoring, etc.) and presented in tabular format.
2. If requested by staff, copies of laboratory analytical report(s) and chain of custody form(s).
3. The results of any monitoring done more frequently than required at the locations specified in the MRP shall also be reported to the Regional Water Board.

A letter transmitting the monitoring reports shall accompany each report. 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 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."

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

Ordered by:

*- original signed by Andrew Altevogt for -*

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PATRICK PULUPA, Executive Officer

20 June 2018

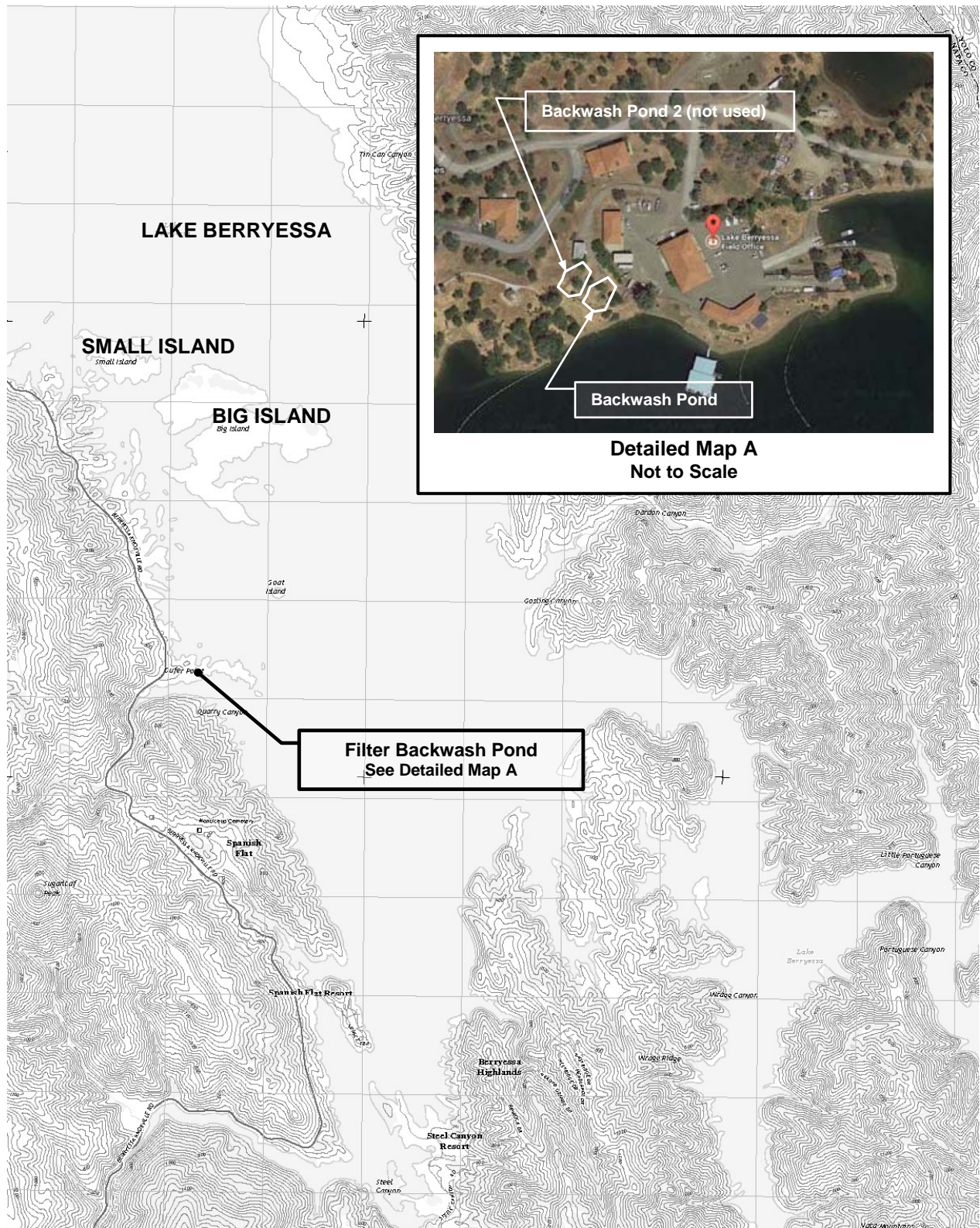
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DATE

Attachment: Attachment A Pond Location Map

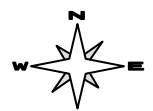
## GLOSSARY

BOD <sub>5</sub>	Five-day biochemical oxygen demand
CaCO <sub>3</sub>	Calcium carbonate
DO	Dissolved oxygen
EC	Electrical conductivity at 25° C
FDS	Fixed dissolved solids
NTU	Nephelometric turbidity unit
TKN	Total Kjeldahl nitrogen
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.
Twice Weekly	Twice per week on non-consecutive days.
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
mL/L	Milliliters [of solids] per liter
µg/L	Micrograms per liter
µmhos/cm	Micromhos per centimeter
gpd	Gallons per day
mgd	Million gallons per day
MPN/100 mL	Most probable number [of organisms] per 100 milliliters
MTF	Multiple tube fermentation



Drawing Reference:  
 U.S.G.S.  
 Lake Berryessa  
 Topographic Map  
 7.5 Minute Quad

**POND LOCATION MAP**  
 BUREAU OF RECLAMATION  
 ADMIN. CENTER AND OAK SHORES DAY USE AREA  
 FILTER BACKWASH POND  
 NAPA COUNTY



Approx. Scale  
 1 in. – 2,000 ft.