
Central Valley Regional Water Quality Control Board

21 June 2018

Drew Lessard
Bureau of Reclamation
Central California Area Office
7794 Folsom Dam Road
Folsom, CA 94630

CERTIFIED MAIL
91 7199 9991 7035 8420 3248

NOTICE OF APPLICABILITY
GENERAL WASTE DISCHARGE REQUIREMENTS FOR
SMALL DOMESTIC WASTEWATER TREATMENT SYSTEMS
ORDER WQ 2014-0153-DWQ
FOR
UNITED STATES DEPARTMENT OF THE INTERIOR, BUREAU OF RECLAMATION
ADMINISTRATIVE CENTER AND OAK SHORES DAY USE AREA
NAPA COUNTY

United States Department of the Interior, Bureau of Reclamation (Bureau of Reclamation) submitted a Report of Waste Discharge (RWD) dated 31 July 2017 describing the facility known as Administrative Center and Oak Shores Day Use Area in Napa County. A RWD Addendum was submitted on 3 April 2018. Based on the provided information, the wastewater treatment system and discharge at the facility is consistent with the requirements of the State Water Resources Control Board *General Waste Discharge Requirements for Small Domestic Wastewater Treatment Systems*, Order WQ 2014-0153-DWQ (General Order). This Notice of Applicability (NOA) provides notice that the General Order is applicable to the site as described below. You are hereby assigned Order WQ 2014-0153-DWQ-R5294 for the discharge. A copy of the General Order is enclosed and also available at:

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-R5294. The Discharger is responsible for all the applicable requirements that exist in the General Order and this NOA.

REGULATORY BACKGROUND

The treatment facility and waste discharges at the Administrative Center and Oak Shores Use Area is currently regulated by Waste Discharge Requirements Order 5-00-202, which was adopted on 15 September 2000. Order 5-00-202 prescribes requirements for wastewater discharges to two lined wastewater evaporation ponds, multiple subsurface leach fields, and an unlined pond for filter backwash water, including a discharge specification allowing a minimum 1.0-foot of freeboard to be maintained in the ponds at all times.

Order 5-00-202 will be rescinded at an upcoming Central Valley Regional Water Board meeting. Effective upon rescission of Order 5-00-202, the discharge of wastewater to the lined evaporation ponds and leach fields shall be regulated pursuant to the General Order and this NOA. A separate Monitoring and Reporting Program (MRP) will be issued to monitor filter backwash water discharges to the unlined pond.

EXISTING FACILITY AND DISCHARGE DESCRIPTION

The Administrative Center and Oak Shores Recreation Area is situated along the west shore of Lake Berryessa, north of the Spanish Flat community. The 250+ acre site lies between the Berryessa-Knoxville Road and Lake Berryessa. The Administrative Center includes an office building, visitor center, dormitory, and several maintenance buildings. Most of the buildings have restroom facilities and sinks. The dormitory has eleven showers. The Oak Shores Recreation Area consists of public access, day use picnicking areas, boat launch facilities, and eight flush restroom facilities.

Bureau of Reclamation (hereafter "Discharger") owns and operates its own water supply and wastewater collection, treatment, and disposal system that serves the Administrative Center and Oak Shores Day Use Area. The wastewater treatment facility (WWTF) is located at 5520 Knoxville Road in Napa County as shown on Attachment A, which is attached hereto and is made part of this NOA by reference. The WWTF consists of multiple septic tanks and two oxidation-evaporation ponds (Ponds 1 and 2). Each pond is lined with gunite and a reinforced Hypalon synthetic liner. Ponds 1 and 2 have a combined total capacity of approximately 350,000 gallons. Wastewater from the Administrative Center and Recreation Area restrooms gravity flow to septic tanks and is then pumped to Pond 1. Pond 2 is used as an overflow for Pond 1. A spray system is used to aerate the wastewater within the ponds. Gray water (sinks and showers) from the Administrative Center (except dormitory) and sinks from the Recreation Area discharge to subsurface leach fields. Leach field locations are shown on Attachment B, which is attached hereto and is made part of this NOA by reference. Sludge and solids in the septic tanks are pumped out annually to an approved disposal facility. The site has no groundwater monitoring wells. Water is supplied by Lake Berryessa.

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

B.1 All Wastewater Systems

This applies in its entirety to the Administrative Center and Oak Shores Day Use Area WWTF with the following site specific requirements.

B.1.a Influent flow limits.

Treatment Unit	Flow Limit as Monthly Average
Pond 1	3,000 gallons per day (gpd)

B.1.1 Wastewater system setbacks.

Equipment or Activity	Domestic Well	Flowing Stream	Ephemeral Stream Drainage	Property Line	Lake or Reservoir
Septic Tank, Treatment System, & Collection System ¹	150 ft.	50 ft.	50 ft.	5 ft.	200 ft.
Leach Field ²	100 ft.	100 ft.	50 ft.	5 ft.	200 ft.
Wastewater Treatment and Storage Pond(s) ³	150 ft.	150 ft.	150 ft.	50 ft.	200 ft.

¹ Reference setbacks from “Septic Tank, Aerobic Treatment Unit, Treatment System, or Collection System” in Table 3 of General Order.

² Setbacks referenced under “Leach Field” in Table 3 of the General Order.

³ Reference setbacks from “Impoundment (undisinfected secondary recycled water)” in Table 3 of the General Order.

This is an existing facility, constructed prior to the issuance of the new General Order for Small Domestic Wastewater Treatment Systems, and the septic tanks and leach fields may not be in compliance with the setbacks included in the General Order. However, the WWTF will still be permitted under this General Order provided that nuisance conditions do not result from noncompliance. Expansion of a noncomplying wastewater treatment system shall trigger further evaluation of the setbacks, as described in Section B.1.1 of the General Order.

B.2 Septic Systems

The WWTF utilizes septic tanks; therefore, this section applies in its entirety.

B.5 Pond Systems

The WWTF utilizes a pond system and evaporation is the sole means of disposal; therefore, this section applies with the following site-specific requirement.

B.5.a. A minimum of 1.0 foot of freeboard shall be maintained in the ponds at all times.

B.6 Subsurface Disposal Systems

The WWTF utilizes subsurface disposal systems, such as leach fields; therefore, this section applies in its entirety.

B.8 Sludge/Solids/Biosolids Disposal

The WWTF utilizes ponds where solids can accumulate; therefore, this section applies in its entirety.

Effluent Limitations, Section D of General Order

This section applies in its entirety to the Administrative Center and Oak Shores Day Use Area WWTF and shall include the following site specific limitations.

Effluent Limit Rationale

The pond treatment system is fully lined and evaporation is the sole means of wastewater disposal; therefore, the pond treatment system is not subject to technology performance effluent limits as specified in the General Order.

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 necessary because the monthly average flow will be less than 20,000 gpd and the treatment ponds are concrete-lined.

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

The following technical reports shall be submitted as described below:

1. **By 1 October 2018**, the Discharger shall submit a *Spill Prevention and Emergency Response Plan* consistent with the requirements of General Order Provision E.1.a.
2. **By 1 October 2018**, the Discharger shall submit a *Sampling and Analysis Plan* consistent with the requirements of General Order Provision E.1.b.
3. **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

The Discharger shall comply with MRP 2014-0153-DWQ-R5294, 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 a RWD is required.

Bureau of Reclamation will maintain exclusive control over the discharge. As such, Bureau of Reclamation is 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

Staff has determined the discharge is a threat to water quality and complexity rating of 3-C. The annual fee corresponding to a 3-C rating is currently \$2,088. Permitted flows of less than 50,000 gpd in category 3-C may receive a 50 percent fee discount. 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. If the wastewater discharge ceases, you must provide written notice 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: Administrative Center and Oak Shores Day Use Area, Napa County		
Program: Non-15 Compliance	Order: 2014-0153-DWQ-R5294	CIWQS Place ID: 204492

Documents that are 50 MB or larger should be transferred 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 Water 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 compliance with 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 Guy at (916) 464-4648 or at *guy.childs@waterboards.ca.gov*.

- original signed by Andrew Altevogt for -

PATRICK PULUPA
Executive Officer

enc: Monitoring and Reporting Program 2014-0153-DWQ-R5294
2014-0153-DWQ-R5294 Attachment A, Site Location Map
2014-0153-DWQ-R5294 Attachment B, Leach Field Location Map
Water Quality Order WQ 2014-0153-DWQ

cc w/o enc: Tim O'Brien, State Water Resources Control Board, Sacramento
Howard Hold, CVWQCB, Rancho Cordova
Napa County Environmental Management, Napa
Michael Biever, Bureau of Reclamation, Folsom
Jason Jordan, Bureau of Reclamation, Folsom

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY REGION

MONITORING AND REPORTING PROGRAM WQ 2014-0153-DWQ-R5294

FOR

UNITED STATES DEPARTMENT OF THE INTERIOR, BUREAU OF RECLAMATION.
ADMINISTRATIVE CENTER AND OAK SHORES DAY USE AREA
NAPA COUNTY

This Monitoring and Reporting Program (MRP) describes requirements for monitoring a wastewater treatment system and wastewater discharges at the Administrative Center and Oak Shores Day Use Area. 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 WWTF and waste discharges from the Administrative Center and Oak Shores Use Area is regulated by the Notice of Applicability (NOA) of Water Quality Order 2014-0153-DWQ-R5294 and is owned and operated by the United States Department of the Interior, Bureau of Reclamation. 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.

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.

SEPTIC TANK MONITORING

Septic tanks shall be inspected and/or pumped at least as frequently as described below. Inspections of sludge and scum depth are not required if the tanks are pumped at least annually. Sludge, as used in this document, means the solid, semi-solid, and liquid residue that settles to the bottom of the septic tank. Scum, as used in this document, means the layer of dirt or froth on the surface of a liquid.

Parameter	Units	Measurement Type	Inspection/Reporting Frequency
Sludge depth and scum thickness in each compartment of tank	Feet	Staff Gauge	Annually
Distance between bottom of scum layer and bottom of outlet device	Inches	Staff Gauge	Annually
Distance between top of sludge layer and bottom of outlet device	Inches	Staff Gauge	Annually

As specified in General Order WQ 2014-0153-DWQ, septic tanks shall be pumped when any one of the following conditions exists:

1. The combined thickness of sludge and scum exceeds one-third of the tank depth of the first compartment.
2. The scum layer is within 3 inches of the outlet device.
3. The sludge layer is within 8 inches of the outlet device.

If a septic tank is pumped during the year, the pumping record shall be submitted with the annual report. At a minimum, the record shall include the date, nature of service, service company name, and service company license number.

POND MONITORING

Samples shall be collected at the point of discharge to each pond (Pond 1 and Pond 2) 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 Ponds ¹	gpd	Meter Observation	Daily	Quarterly
Dissolved Oxygen ²	mg/L	Grab	Monthly	Quarterly
Freeboard ³	0.1 feet	Staff Gage	Monthly	Quarterly
Odors	--	Observation	Weekly	Quarterly
Berm Condition ⁴	--	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 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.

³ 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.

⁴ Pond containment berms shall be observed for signs of 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.

LEACH FIELD MONITORING

Monitoring shall be sufficient to determine if wastewater is evenly applied, the disposal area is not saturated, burrowing animals are not present, plant roots have not compromised the disposal area, and odors are not present. Inspection of dosing pump controllers, automatic distribution valves, etc. is required to maintain optimum treatment in the disposal area. Monitoring shall include, at a minimum, the following:

Parameter	Type of Sample	Monitoring Frequency	Reporting Frequency
Pump Controllers, Automatic Valve, etc. ¹	Observation	Quarterly	Quarterly
Nuisance Odor Conditions	Observation	Quarterly	Quarterly
Saturated Soil Conditions ²	Observation	Quarterly	Quarterly
Plant Growth ³	Observation	Quarterly	Quarterly
Vector or Animal Burrowing ⁴	Observation	Quarterly	Quarterly

¹ All pump controllers and automatic distribution valves shall be inspected for proper operation as recommended by the manufacturer.

² Inspect disposal area for saturated conditions. If a mound system is used, inspect perimeter base for signs of wastewater seepage or saturated soil conditions.

³ Shallow-rooted plants are generally desirable, deep-rooted plants such as trees shall be removed as necessary.

⁴ Evidence of animals burrowing shall be immediately investigated and burrowing animal populations controlled as necessary.

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.

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 Department of the Interior, Bureau of Reclamation.
Administrative Center and Oak Shores Day Use Area
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, groundwater, 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 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 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 quarterly monitoring. Data shall be organized by the associated monitoring sections (e.g., Septic Tank Monitoring, Pond 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 Report

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. The fourth quarterly monitoring report.
2. Tabular and graphical summaries of all monitoring data collected during the year.
3. An evaluation of the performance of the wastewater treatment system, including discussion of capacity issues, nuisance conditions, system problems, and a forecast of the flows anticipated in the next year. A flow rate evaluation, as described in the General Order (Provision E.2.c), shall also be submitted if required.
4. A statement of whether septic tanks were pumped during the year and a copy of pumping records. The report shall also contain a tabulated summary of historical pumping dates, nature of service, and service company names and license number.
5. 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.
6. A discussion of any data gaps and potential deficiencies/redundancies in the monitoring system or reporting program.
7. The name and contact information for the wastewater operator responsible for operation, maintenance, and system monitoring.

A letter transmitting the monitoring reports shall accompany each report. The letter shall report violations found during the reporting period, and actions taken or planned 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 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 -

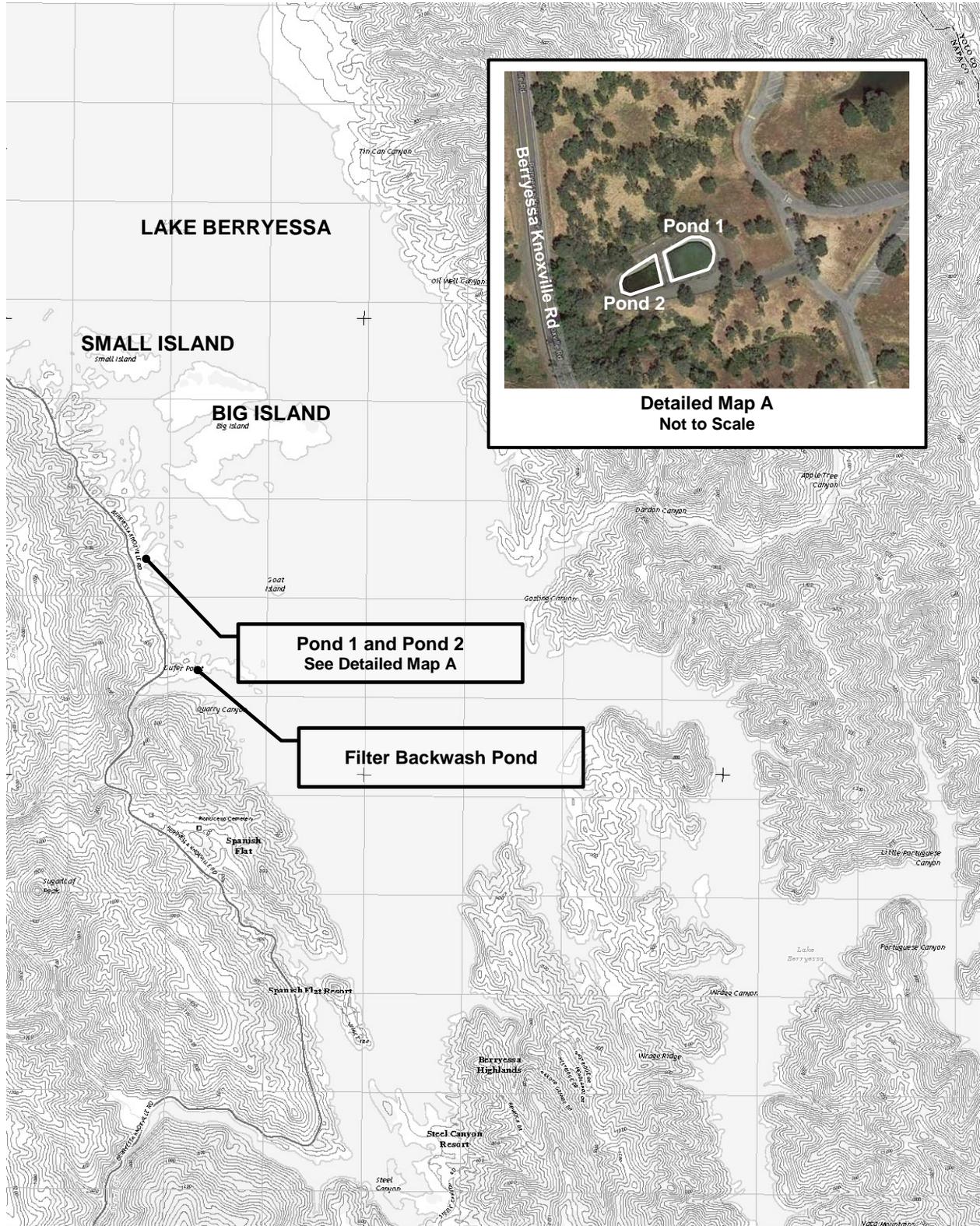
PATRICK PULUPA, Executive Officer

21 June 2018

DATE

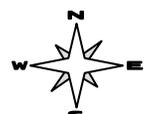
GLOSSARY

BOD ₅	Five-day biochemical oxygen demand
CaCO ₃	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

SITE LOCATION MAP
BUREAU OF RECLAMATION
ADMIN. CENTER AND OAK SHORES DAY USE AREA
NAPA COUNTY



Approx. Scale
1 in. – 2,000 ft.

Comfort Stations with Gray Water Leach Fields



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

LEACH FIELD LOCATION MAP
BUREAU OF RECLAMATION
ADMIN. CENTER AND OAK SHORES DAY USE AREA
NAPA COUNTY

Approx. Scale
Not to Scale