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SECRETARY FOR
ENVIRONMENTAL PROTECTION

Central Valley Regional Water Quality Control Board

28 August 2015

WDID: 5A450801002

Randall Moorehead
Sugar Pine Conservation Camp
15905 Sugar Pine Road
Bella Vista, CA 96008

NOTICE OF APPLICABILITY (NOA), WATER QUALITY ORDER 2014-0153-DWQ-R5179, SUGAR PINE CONSERVATION CAMP, SHASTA COUNTY

In March 2014 the Sugar Pine Conservation Camp (hereafter "Discharger") responded with information pertaining to the Central Valley Regional Water Board (Central Valley Water Board) staff's request for updated information for the domestic wastewater treatment and disposal system at their facility in Shasta County.

Based on the information provided, the facility treats and disposes of less than 100,000 gallons of wastewater per day, and is therefore eligible for coverage under the general and specific conditions of State Water Resources Control Board (State Water Board) Water Quality Order 2014-0153-DWQ *General Waste Discharge Requirements for Small Domestic Wastewater Treatment Systems* (General Order). This letter serves as formal notice that the General Order is applicable to your facility and the wastewater discharge described below. You are hereby assigned General Order 2014-0153-DWQ-R5179 for your facility.

You should familiarize yourself with the entire General Order and its attachments enclosed with this letter, which prescribes mandatory discharge and monitoring requirements. 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)*. This MRP was developed after consideration of your waste characterization and site conditions described in the attached *Technical Memorandum*.

REGULATORY BACKGROUND

Waste Discharge Requirements (WDRs) 5-00-261 were adopted for this facility by the Central Valley Water Board on 8 December 2000. The existing MRP requires reporting of wastewater flow, dissolved oxygen, pond water depth, oil and grease, and precipitation.

DISCHARGE DESCRIPTION

The Sugar Pine Conservation Camp operates the wastewater treatment facility located east of Bella Vista near State Highway 299 in Section 4, Township 33 North, Range 2 West, MDB&M in Shasta County. The wastewater treatment system is comprised of a collection system with a lift station, four treatment ponds, and two irrigation spray fields. The location is shown in Attachment A of this letter.

This is an existing facility; therefore enrollment under the General Order is categorically exempt from the California Environmental Quality Act (CEQA) pursuant to California Code of Regulations, title 14, section 15301 which applies to ongoing or existing projects.

FACILITY SPECIFIC REQUIREMENTS

The Discharger will maintain exclusive control over the discharge, and shall comply with the terms and conditions of this NOA and the General Order 2014-0153-DWQ-R5179, with all attachments.

Additionally the General Order states in Section B.1.L that the discharger shall comply with the setbacks as described in Table 3. This table summarizes different setback requirements for wastewater system equipment, activities, land application areas, and storage and/or treatment ponds from sensitive receptors and property lines where applicable. The Discharger shall comply with the following applicable setback requirements as summarized in the following table.

Site Specific Applicable Setback Requirements					
Equipment or Activity	Domestic Well	Flowing Stream	Ephemeral Stream Drainage	Property Line	Lake or Reservoir
Wastewater Storage and/or Treatment Ponds					
Impoundment (undisinfected secondary recycled water)	150 feet ¹	150 feet	150 feet	50 feet	200 ft
<i>Land Application Area Requirements</i>					
Spray irrigation (disinfected tertiary recycled water) ²	No spray irrigation of any recycled water, other than disinfected tertiary recycled water, shall take place within 100 feet of a residence or a place where public exposure could be similar to that of a park playground, or school yard.				
¹ Setbacks established by California Code of Regulations, title 22, Section 60310(d).					
² Additional restrictions for spray irrigation of recycled water are contained in California Code of Regulations, title 22, section 60310(f).					

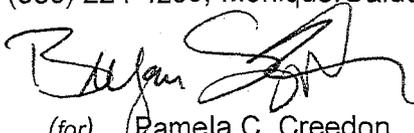
Failure to comply with the requirements in the documents could result in an enforcement action as authorized by provisions of the California Water Code. Discharge of wastes other than those described in this NOA is prohibited. If the method of waste disposal changes from that described in this NOA, you must submit a new Report of Waste Discharge describing the new operation.

The required annual fee specified in the annual billing from the State Water Board shall be paid until this NOA is officially terminated. You must notify this office in writing if the discharge regulated by the General Order ceases, so that we may terminate coverage and avoid unnecessary billing.

The Central Valley Water Board has gone to a Paperless Office System. All regulatory documents, MRPs, submissions, materials, data, monitoring reports, and correspondence should be converted to a searchable Portable Document Format (PDF) and submitted electronically. Documents that are less than 50MB should be emailed to: centralvalleyredding@waterboards.ca.gov. Documents that are 50MB or larger should be transferred to a disk and mailed to the appropriate regional water board office, in this case 364 Knollcrest Drive, Suite 205, Redding, CA 96002. To ensure that your submittals are routed to the appropriate staff, the following information block should be included in any email used to transmit documents to this office: Program: Non-15, WDID: 5A450801002, Facility Name: Sugar Pine CC, Order: 2014-0153-DWQ-R5179.

Please note that WDRs Order No. 5-00-261 is proposed to be rescinded at the 10/11 December 2015 meeting of the Central Valley Water Board. Upon rescission of your individual WDRs, coverage for your facility under the General Order shall become applicable subject to this Notice of Applicability.

If you have any questions regarding submitting an updated report of waste discharge, making changes to your permitted operations, compliance or enforcement please contact Monique Gaido at (530) 224-4205, Monique.Gaido@waterboards.ca.gov, or the footer address.



(for) Pamela C. Creedon
Executive Officer

MEG:sjs

Attachment: Sugar Pine CC Wastewater Treatment Facility Location Map
General Order No. 2014-0153-DWQ
Technical Memorandum
Monitoring and Reporting Program

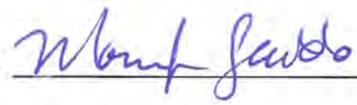
Central Valley Regional Water Quality Control Board

TECHNICAL MEMORANDUM

TO: George Low, PG
Senior Engineering Geologist

FROM: Monique Gaido, PG
Engineering Geologist

DATE: 28 August 2015

SIGNATURE: 

SUBJECT: REVIEW OF NITRATE AND SETBACK CONDITIONS FOR SUGAR PINE
CONSERVATION CAMP, SHASTA COUNTY

I have reviewed the case file and the 18 September 2013 Inspection Report by Stephen Rooklidge for Sugar Pine Conservation Camp (SPCC). The Report assesses the general condition of the wastewater evaporation/percolation ponds and all lift stations and manholes. The Discharger has kept adequate maintenance documentation and all treatment and collection infrastructure appears in good order. Flow is recorded at the lift station, and dissolved oxygen levels are monitored at the first wastewater pond. The flow then proceeds to three more evaporation/percolation ponds. Two irrigation spray fields are available for summer irrigation, but are rarely used.

The wastewater system has intermittently been in violation of their WDR Order No. 5-00-261 because the WDR states in A. Discharge Prohibitions (7) of the WDR that "*The discharge of hazardous or toxic substances including solvents, oil, grease, or other petroleum products, is prohibited.*" This prohibition has been sporadically enforced for oil and grease concentrations which are sampled from the vehicle wash rack. The Inspection Report identified that the oil/water separator was not fitted with an outlet baffle, so floating oils were discharged to the main sewer collection system. Agency staff also found that the vehicle oil/water separator was sampled incorrectly by SPCC staff, resulting in routine reporting of higher oil and grease concentrations. Agency staff required installation of a new outlet baffle and showed the operator the correct procedure for collecting samples at the outlet. Since these repairs were made, oil and grease concentrations are significantly lower. Furthermore, installation of a new flow meter at the vehicle wash rack shows that flow is less than 1% of the total discharge to the wastewater ponds. Based on these observations, oil and grease monitoring will be changed to an annual schedule.

Potential Threats to Water Quality

The wastewater treatment system is located south of the main camp facility, greater than 1,000 feet from the camp property line and fence. The closest potable water well is greater than 500 feet from the wastewater ponds. The antidegradation analysis from the existing WDR indicates the depth to groundwater directly under the ponds is 85 feet below ground surface (bgs). This is far greater than the minimum required depth to groundwater of 5 feet

(Table 5) which corresponds with the maximum estimated percolation rate of 50 minutes per inch (MPI) presented in the WDR Finding (7). Completion of the Nitrate Checklist in Attachment 1 of Order 2014-0153-DWQ indicates the following flow and rationale:

A1 Exceed 20,000 gpd? No.
Wastewater flow generally is less than 15,000 gpd.

Conclusion: No nitrogen removal is required.

Monitoring Requirements

To protect water quality, General Order monitoring requirements will be sufficient with the addition of annual effluent monitoring for oil and grease. In summary, Staff recommends daily monitoring of flow rate, monthly monitoring for the physical condition of the ponds (Freeboard, Dissolved Oxygen, Odor, Berm condition) and monthly effluent monitoring for Biological Oxygen Demand (BOD). When the system irrigates to the spray field (Land Application Area, LAA), Total Suspended Solids (TSS) must also be monitored monthly and the Effluent Limitations described in Table 4 are applicable. As stated above, annual monitoring of the effluent for oil and grease is also required. For your convenience, a sample monitoring sheet is enclosed with the General Order. These results will be reported quarterly by the first day of the second month after the quarter ends (e.g. January-March report is due by May 1st).