



Central Valley Regional Water Quality Control Board

13 July 2021

Greg Pryor
Recology Ostrom Road
5900 Ostrom Road
Wheatland, CA 95692

VIA EMAIL
GPryor@recology.com

NOTICE OF APPLICABILITY (NOA); GENERAL WASTE DISCHARGE REQUIREMENTS ORDER R5-2016-0076-01 FOR LIMITED THREAT DISCHARGES TO SURFACE WATER; RECOLOGY OSTROM ROAD, OSTROM ROAD LANDFILL GROUNDWATER DEWATERING PROJECT, YUBA COUNTY

Our office received a Notice of Intent (NOI) on 8 May 2020 from Recology Ostrom Road (Discharger), for discharge of groundwater dewatering to surface water. Based on the application packet and subsequent information submitted by the Discharger, staff has determined that the project meets the required conditions for approval under the General Order for Limited Threat Discharges to Surface Water (Limited Threat General Order), Tier 1B. This project is hereby assigned Limited Threat General Order **R5-2016-0076-065** and National Pollutant Discharge Elimination System (NPDES) Permit CAG995002. Please reference your Limited Threat General Order number, **R5-2016-0076-065** in your correspondence and submitted documents.

The project activities shall be operated in accordance with the requirements contained in the Limited Threat General Order and as specified in this NOA. You are urged to familiarize yourself with the entire contents of the [Limited Threat General Order](https://www.waterboards.ca.gov/centralvalley/board_decisions/adopted_orders/general_orders/r5-2016-0076-01.pdf) (https://www.waterboards.ca.gov/centralvalley/board_decisions/adopted_orders/general_orders/r5-2016-0076-01.pdf).

CALIFORNIA TOXICS RULE / STATE IMPLEMENTATION POLICY MONITORING

The Limited Threat General Order incorporates the requirements of the California Toxics Rule (CTR) and the State Water Resources Control Board's (State Water Board), *Policy for Implementation of Toxics Standards for Inland Surface Waters, Enclosed Bays, and Estuaries of California*, 2005, also known as the State Implementation Policy (SIP). Screening levels for CTR constituents and other constituents of concern are found in Attachment I of the Limited Threat General Order. Review of your water quality data in comparison to the screening values, showed no reasonable potential for the discharge to cause or contribute to an exceedance of water quality objectives in Best Slough, which is a water of the United States.

PROJECT DESCRIPTION

The project is located at the Ostrom Road Landfill (Facility) in Yuba county. The project discharge consists of uncontaminated groundwater from up to four sets of nested wells within the shallow and regional aquifers. The project discharge will be piped

KARL E. LONGLEY SCD, P.E., CHAIR | PATRICK PULUPA, ESQ., EXECUTIVE OFFICER

aboveground to four discharge points along Best Slough which flows to the Bear River, in the Lower Bear River Watershed.

The Facility is enrolled under Waste Discharge Requirements Order R5-2018-0007 which requires the Facility to maintain 2.5 feet separation between highest anticipated groundwater elevation, including capillary fringe, and waste along the base and side slopes of new and existing Waste Management Units at the Facility. This project is necessary to maintain that separation.

The project includes step and 24-hour pump testing required to develop the wells. The number of well sets, well screen depths, and the exact discharge quantity will be determined after the step and 24-hour pump test. The shallow wells will be drilled at depths of less than 30 feet below ground surface within the shallow aquifer. The deep wells will be drilled approximately 100-200 feet below the ground surface to reach the regional aquifer. At full buildout (four sets of nested wells), the project would intermittently discharge up to 0.576 million gallons per day (MGD). The project does not require treatment prior to discharge to Best Slough.

EFFLUENT LIMITATIONS

Effluent limitations are specified in Section V. Effluent Limitations and Discharge Specifications of the Limited Threat General Order. Based on a comparison of the analytical results to the screening levels in Attachment I of the Limited Threat General Order, effluent limitations are only required for the parameters identified below:

1. **pH (Section V.A.1.b.i).** The pH of all limited threat discharges within the Sacramento River Basin shall always be within the range of 6.5 and 8.5 standard units.
2. **Salinity (Section V.A.1.d).** The discharge shall not exceed 625 micromhos per centimeter ($\mu\text{mhos/cm}$) for electrical conductivity @ 25 °C as a calendar annual average. This salinity limit implements the Basin Plan's Central Valley Salinity Alternatives for Long-Term Sustainability (CV-SALTS), Salt Control Program Alternative Permitting Pathway. In accordance with the Salt Control Program, the Discharger shall also continue to participate in the CV-SALTS Prioritization and Optimization Study.

Best Slough is not listed under the Clean Water Act 303(d) List of impaired water bodies. Therefore, no additional 303(d) based effluent limitations or monitoring requirements are included in this NOA.

RECEIVING WATER LIMITATIONS

The Limited Threat General Order includes receiving surface water limitations in Section VIII.A. Based on the information provided in the NOI, only the following receiving surface water limitations are applicable to this discharge:

- Bacteria (VIII.A.2);
- Biostimulatory substances (VIII.A.3);
- Chemical constituents (VIII.A.4);
- Color (VIII.A.5);
- Dissolved oxygen (VIII.A.6.a);
- Floating material (VIII.A.7);

- Oil and grease (VIII.A.8);
- pH (VIII.A.9.a);
- Pesticides (VIII.A.10);
- Radioactivity (VIII.A.11);
- Suspended sediments (VIII.A.12);
- Settleable substances (VIII.A.13);
- Suspended material (VIII.A.14);
- Taste and odors (VIII.A.15);
- Temperature (VIII.A.16.a);
- Toxicity (VIII.A.17); and
- Turbidity (VIII.A.18.a).

PROVISIONS

The Discharger shall develop a Best Management Practices Plan (BMP Plan) due to the potential to release a slug of highly turbid water at well startup. The BMP Plan shall be developed and implemented in accordance with section IX.C.3.a of the Limited Threat General Order to minimize the release of highly turbid water at well startup. The BMP Plan shall be available to Central Valley Water Board staff upon request.

MONITORING AND REPORTING

Monitoring and reporting requirements are contained in Attachment C of the Limited Threat General Order. The Discharger is required to comply with the following specific monitoring and reporting requirements for the effluent and receiving water in accordance with Attachment C of the Limited Threat General Order.

MONITORING LOCATIONS

The Discharger shall monitor the effluent at the specified location as follows:

Table 1. Monitoring Station Locations

Discharge Point Name	Monitoring Location Name	Monitoring Location Description
001	EFF-001	Per the Project Location Map, a location where a representative sample of the combined effluent can be collected prior to discharging to Best Slough. Latitude: 39° 04' 13.8" North (N), Longitude: 121° 23' 21.5" West (W)
002	EFF-002	Per the Project Location Map, a location where a representative sample of the combined effluent can be collected prior to discharging to Best Slough. Latitude: 39° 03' 58.4" N, Longitude: 121° 23' 32.5" W
003	EFF-003	Per the Project Location Map, a location where a representative sample of the combined effluent can be collected prior to discharging to Best Slough. Latitude: 39° 04' 00.4" N, Longitude: 121° 23' 50.7" W

Discharge Point Name	Monitoring Location Name	Monitoring Location Description
004	EFF-004	Per the Project Location Map, a location where a representative sample of the combined effluent can be collected prior to discharging to Best Slough. Latitude: 39° 04' 03.7" N, Longitude: 121° 24' 18.4" W
--	RSW-001	Best Slough, approximately 50 feet upstream from the first point of discharge (Discharge Point 001).
--	RSW-002	Best Slough, approximately 100 feet downstream from the last point of discharge (Discharge Point 004).

The North latitude and West longitude information in Table 1 are approximate for administrative purposes.

EFFLUENT MONITORING

When discharging to surface water, the Discharger shall monitor the effluent at EFF-001, EFF-002, EFF-003, and EFF-004 in accordance with this NOA. If there is no discharge at a monitoring location, monitoring is not required, but the quarterly Monitoring Report shall note that there was no discharge at that monitoring location. The applicable monitoring requirements are as follows in Table 2 and subsequent Table 2 Notes:

Table 2. Effluent Monitoring

Parameter	Units	Sample Type	Minimum Sampling Frequency
Flow	MGD	Meter	1/Week, Note 1
pH	standard units	Grab	1/Month
Dissolved Oxygen	milligram per liter (mg/L)	Grab	1/Month
Electrical Conductivity @ 25 °C	µmhos/cm	Grab	1/Month
Temperature	degrees Fahrenheit (°F)	Grab	1/Month
Turbidity	nephelometric turbidity units (NTU)	Grab	1/Month
Chronic Toxicity	toxicity units, chronic (TUC)	Composite	1/Permit Term, Note 6

Table 2 Notes

- Flow.** Shall be measured at the well discharge piping. The Discharger shall calculate and report the total flow discharged at each effluent monitoring location (EFF-001, etc.) in the quarterly monitoring reports.
- Applicable to all parameters except flow and chronic toxicity.** A hand-held field meter may be used, provided the meter utilizes a United States

Environmental Protection Agency (U.S. EPA)-approved algorithm/method and is calibrated and maintained in accordance with the manufacturer's instructions. A calibration and maintenance log for each meter used for monitoring required by this Monitoring and Reporting Program shall be maintained at the Facility.

3. **Applicable to all parameters.** Pollutants shall be analyzed using the analytical methods described in 40 Code of Federal Regulations (C.F.R.) part 136 or by methods approved by the Central Valley Water Board or the State Water Board.
4. **Applicable to all parameters.** Samples shall be taken approximately the same time and on the same date with the receiving water samples for these parameters.
5. **Composite.** A composite sample, single sample made up of flow-weighted volumes from all four effluent monitoring locations, shall be used for chronic toxicity monitoring. The flow-weighted volumes shall be based on the current percentage of the total volume discharged from each discharge point.
6. **Chronic toxicity.** Testing shall be conducted within 3 months of initiation of discharge. See the Monitoring and Reporting Program (Attachment C) for toxicity monitoring requirements.

5-YEAR EFFLUENT CHARACTERIZATION MONITORING

Section II.B.2 of the Limited Threat General Order requires that dischargers submit new analytical results every 5 years for pollutants specified in Table I-1 of Attachment I. Characterization monitoring is required at effluent monitoring locations (EFF-001, etc.). The Project is considered a Tier 1B discharge; therefore, the Discharger shall submit monitoring results by **1 February 2023** for the following constituents shown in Table 3 and subsequent Table 3 Notes, below:

Table 3. Effluent Characterization Monitoring

Parameter	Units	Sample Type
pH	standard units	Grab
Dissolved Oxygen	mg/L	Grab
Electrical Conductivity @ 25 °C	µmhos/cm	Grab
Temperature	°F	Grab
Turbidity	NTU	Grab
Hardness, Total (as CaCO ₃)	mg/L	Composite
Chronic Toxicity	TUc	Composite
Aluminum, Total Recoverable	micrograms per liter (µg/L)	Composite
Iron, Total Recoverable	µg/L	Composite
Manganese, Total Recoverable	µg/L	Composite

Parameter	Units	Sample Type
CTR Priority Pollutants	--	Composite

Table 3 Notes

1. The Discharger is not required to conduct effluent characterization monitoring for constituents that have already been sampled in a given month, as required in Table 2, except for pH and temperature, which shall be conducted concurrently with the effluent sampling.
2. **For all Parameters.** Pollutants shall be analyzed using the analytical methods described in 40 C.F.R. part 136 or by methods approved by the Central Valley Water Board or the State Water Board and shall be sufficiently sensitive, in accordance with the Sufficiently Sensitive Methods Rule (SSM Rule) specified under 40 C.F.R. 122.21(e)(3) and 122.44(i)(1)(iv).). A U.S. EPA-approved analytical method is sufficiently sensitive for a pollutant/parameter where: (1) The method minimum level (ML) is at or below the applicable water quality objective for the receiving water, or; (2). The method ML is above the applicable water quality objective for the receiving water but the amount of the pollutant/parameter in the discharge is high enough that the method detects and quantifies the level of the pollutant/parameter, or; (3) the method ML is above the applicable water quality objective for the receiving water, but the ML is the lowest of the 40 C.F.R. 136 U.S. EPA-approved analytical methods for the pollutant/parameter.
3. **Grab.** A grab sample is defined as an individual discrete sample collected over a period of time not exceeding 15 minutes. It can be taken manually, using a pump, scoop, vacuum, or other suitable device.
4. **Chronic Toxicity.** See the Monitoring and Reporting Program (Attachment C of the Limited Threat General Order) for toxicity monitoring requirements.
5. **CTR Priority Pollutants.** See Table I-3 of the Limited Threat General Order for a complete list of CTR Priority Pollutants.
6. **Composite.** A single composite sample made up of flow-weighted volumes from all four effluent monitoring locations, shall be used for all parameters with a sample type specified as "Composite". The flow-weighted volumes shall be based on the percentage of the total volume discharged from each discharge point over the previous year.

RECEIVING WATER MONITORING

When discharging to surface water, the Discharger shall monitor the receiving water at RSW-001 and RSW-002, in accordance with Table C-3 of the Limited Threat General Order and this NOA. The applicable monitoring requirements are as follows in Table 4 and subsequent Table 4 Notes:

Table 4. Receiving Water Monitoring Requirements

Parameter	Units	Sample Type	Monitoring Frequency
pH	standard units	Grab	1/Month
Dissolved Oxygen	mg/L	Grab	1/Month
Electrical Conductivity @ 25 °C	µmhos/cm	Grab	1/Month
Temperature	°F	Grab	1/Month
Turbidity	NTU	Grab	1/Month

Table 4 Notes

- Applicable to all parameters.** A hand-held field meter may be used, provided the meter utilizes a U.S. EPA-approved algorithm/method and is calibrated and maintained in accordance with the manufacturer's instructions. A calibration and maintenance log for each meter used for monitoring required by this Monitoring and Reporting Program shall be maintained at the Facility.
- Applicable to all parameters.** Pollutants shall be analyzed using the analytical methods described in 40 C.F.R. part 136 or by methods approved by the Central Valley Water Board or the State Water Board.
- Applicable to all parameters.** Samples shall be taken approximately the same time and on the same date with the effluent water samples for these parameters.
- No Upstream Flow.** If there is no upstream flow in the receiving water during the designated monitoring period, monitoring is not required at RSW-001 during that period. Whenever monitoring is not required, the Discharger shall state so in the monitoring report.

MONITORING REPORT SUBMITTALS

Monitoring in accordance with this NOA shall begin **13 July 2021**. Monitoring Reports shall be submitted to the Central Valley Water Board on a quarterly basis, beginning with the **Third Quarter 2021** report. This report shall be submitted by **1 November 2021**. Table 5 summarizes the Monitoring Report due dates required under the Limited Threat General Order. Quarterly Monitoring Reports must be submitted until your coverage is formally terminated in accordance with the Limited Threat General Order, even if there is no discharge during the reporting quarter.

Table 5. Monitoring Periods and Reporting Schedule

Monitoring Period	Quarterly Report Due Date
First Quarter (1 January through 31 March)	1 May
Second Quarter (1 April through 30 June)	1 August
Third Quarter (1 July through 30 September)	1 November

Monitoring Period	Quarterly Report Due Date
Fourth Quarter (1 October through 31 December)	1 February of the following year

GENERAL INFORMATION AND REQUIREMENTS

The Discharger must notify Central Valley Water Board staff within 24 hours of having knowledge of:

- 1) the start of each new discharge or new activity affecting the discharge;
- 2) noncompliance; and
- 3) when the discharge ceases.

The Central Valley Water Board shall be notified immediately if any effluent limit violation is observed during implementation of the project. Discharge of material other than what is described in the application is prohibited. The required annual fee (as specified in the annual invoice you will receive from the State Water Resources Control Board) shall be submitted until this NOA is officially terminated. You must notify this office in writing when the discharge regulated by the Limited Threat General Order is no longer necessary by submitting the Request for Termination of Coverage (Attachment E). If a timely written request is not received, the Discharger will be required to pay additional annual fees as determined by the State Water Resources Control Board.

ENFORCEMENT

Failure to comply with the Limited Threat General Order may result in enforcement actions, which could include civil liability. Effluent limitation violations are subject to a Mandatory Minimum Penalty (MMP) of \$3,000 per violation. In addition, late Monitoring Reports may be subject to MMPs or discretionary penalties of up to \$1,000 per day late. When discharges do not occur during a quarterly monitoring period, the Discharger must still submit a quarterly certified Monitoring Report indicating that no discharge occurred to avoid being subject to enforcement actions.

COMMUNICATION

We have transitioned to a paperless office, therefore, please convert all documents to a searchable Portable Document Format (pdf) and email them to the general Central Valley Water Board email (centralvalleysacramento@waterboards.ca.gov). Documents that are 50 megabytes or larger must be transferred to a DVD, or flash drive and mailed to our office, attention "ECM Mailroom-NPDES".

All documents, including Monitoring Reports, written notifications, and documents submitted to comply with this NOA and the Limited Threat General Order, should be submitted to the NPDES Compliance and Enforcement Unit, Attention: Jon Rohrbough. Mr. Rohrbough can be reached by phone at (916) 464-4822 or by email at Jon.Rohrbough@waterboards.ca.gov. **Please include the attached Monitoring Report Transmittal Form as the first page of each Monitoring Report and the following information in the email:**

- Attention: NPDES Compliance Unit - Jon Rohrbough
- Discharger: Recology Ostrom Road
- Facility: Ostrom Road Landfill

Greg Pryor
Recology Ostrom Road
Ostrom Road Landfill Groundwater Dewatering Project

13 July 2021
R5-2016-0076-065

- County: Yuba County
- CIWQS place ID: 246287

Any person aggrieved by this action of the Central Valley Water Board may petition the State Water Board to review the action in accordance with California Water Code section 13320 and California Code of Regulations, title 23, sections 2050 and following. The State Water Board must receive the petition by 5:00 p.m., 30 days after the date of this NOA, except that if the thirtieth day following the date of this Order falls on a Saturday, Sunday, or state holiday, the petition must be received by the State Water Board by 5:00 p.m. on the next business day. Links to the law and regulations applicable to filing petitions may be found on the [Petitions Home Page](http://www.waterboards.ca.gov/public_notices/petitions/water_quality) (http://www.waterboards.ca.gov/public_notices/petitions/water_quality) or will be provided upon request.

Original Digitally Signed by Adam Laputz on
Date:2021.07.15 14:18:35 -07'00'

Patrick Pulupa, Executive Officer

Enclosures (3):

Project Location Map
General Order R5-2016-0076-01 (Discharger only)
Monitoring Report Transmittal Form (Discharger only)

cc:

Peter Kozelka, U.S. EPA, Region IX, San Francisco (email only)
Elizabeth Sablad, U.S. EPA, Region IX, San Francisco (email only)
Division of Water Quality, State Water Board, Sacramento (email only)
Sarah Torres, PG Environmental, Chantilly, Virginia (via email)
Bryan Clarkson, Recology Ostrom Road, Wheatland (email only)
Kris Johnson, Golder Associates, Sunnyvale (email only)

PROJECT LOCATION MAP

