
Central Valley Regional Water Quality Control Board

23 March 2018

Frances Alston
Director of Environment, Safety, and Health
Lawrence Livermore National Security, LLCs
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NOTICE OF APPLICABILITY (NOA); GENERAL WASTE DISCHARGE REQUIREMENTS ORDER R5-2016-0076-01 FOR LIMITED THREAT DISCHARGES TO SURFACE WATER; LAWRENCE LIVERMORE NATIONAL LABORATORY – EXPERIMENTAL TEST SITE 300 FACILITY, SAN JOAQUIN COUNTY

Our office received a Notice of Intent (application) on 30 October 2017 from the Lawrence Livermore National Laboratory (hereinafter Discharger), for discharges to surface water from its Potable Water System Maintenance Project (hereinafter Project). The Discharger submitted a Pollution Prevention and Monitoring and Reporting Plan (PPMRP) on 20 October 2017 and an updated PPMRP on 1 February 2018. The Discharger is currently covered under a Notice of Applicability (NOA) for the Low Threat General Order R5-2013-0074, which has been replaced by Order R5-2016-0076. The Project is a non-transient, noncommunity drinking water system, and therefore does not qualify for coverage under the Statewide Drinking Water System Discharge Permit, General Order 2014-0194-DWQ.

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 1A. This project is hereby assigned Limited Threat General Order R5-2016-0076-025 and National Pollutant Discharge Elimination System (NPDES) Permit No. CAG995002. Please reference your Limited Threat General Order number, **R5-2016-0076-025**, in your correspondence and submitted documents. This NOA shall become effective on **1 April 2018** and the Discharger's coverage under Low Threat General Order R5-2013-0074-025 is terminated as of **1 April 2018**.

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. To conserve resources, the Limited Threat General Order may be viewed at the following web address: https://www.waterboards.ca.gov/centralvalley/board_decisions/adopted_orders/general_orders/5-2016-0076-01.pdf. A copy of the Limited Threat General Order can also be obtained by contacting or visiting the Central Valley Water Board's office weekdays between 8:00 AM and 5:00 PM.

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). The Discharger requested a categorical exception to the requirement for meeting the CTR pollutant criteria in the General Order, as authorized by Section 5.3 of the SIP. The Discharger certified that its discharges are necessary to implement drinking water control measures conducted to fulfill statutory requirements under the federal Safe Drinking Water Act and the California Health and Safety Code.

PROJECT DESCRIPTION

The Project consists of the operation and maintenance of a drinking water system at the Discharger's Experimental Test Site 300, located off of Corral Hollow Road in Tracy, CA (see enclosed Site Map). The Project is supplied from the Hetch Hetchy Water Supply System as a primary source and by the regional aquifer using two on-site supply wells as a backup supply. The system includes three booster/transfer stations, 11 drinking water storage tanks, 72 fire hydrants, drain valves, vent valves, and approximately 77,000 feet of water mains. It is possible for surface water discharges to occur during maintenance and repair of the system. The volume of water that has the potential of reaching surface waters during these maintenance activities is less than 0.25 million gallons per day (MGD).

EFFLUENT LIMITATIONS

Effluent limitations are specified in Section V. Effluent Limitations and Discharge Specifications of the Limited Threat General Order. Based on the information provided in the NOI, only effluent limitations for pH, as specified in Section V.A.1 of the Limited Threat General Order, are applicable to this discharge. The applicable effluent limitations are shown below:

1. **pH (Section V.A.1.b.i).** The pH of all limited threat discharges within the Sacramento and San Joaquin River Basins (except Goose Creek) shall at all times be within the range of 6.5 and 8.5

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.iii);
- 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);
- Toxicity (VIII.A.17); and
- Turbidity (VIII.A.18.a).

MONITORING AND REPORTING

Effluent and receiving water analytical monitoring shall be conducted as described in the approved PPMRP and the results submitted to the Central Valley Water Board on a quarterly basis.

Monitoring Report Submittals - Monitoring in accordance with this NOA shall begin on 1 April 2018. Monitoring Reports shall be submitted to the Central Valley Water Board on a quarterly basis, beginning with the **Second Quarter 2018**. This report shall be submitted on **1 August 2018**. If there is no discharge there is no need to monitor. However, a certified Monitoring Report must be submitted stating that there has been no discharge. Table 1, below, 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 1. Monitoring Periods and Reporting Schedule

Sampling Frequency	Monitoring Period Begins On...	Quarterly Report Due Date
1/Day, 1/Week, 1/Month, 1/Quarter	1 April 2018	1 May (1 Jan – 31 Mar) 1 Aug (1 Apr – 30 Jun) 1 Nov (1 Jul – 30 Sep) 1 Feb, of following year (1 Oct – 31 Dec)

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, 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 billing 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 report 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

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 Unit, Attention: Mohammad Farhad. Mr. Farhad can be reached at (916) 464-1181 or Mohammad.Farhad@waterboards.ca.gov.

We have transitioned to a paperless office, therefore, please convert all documents to a searchable Portable Document Format (pdf) and email them to centralvalleysacramento@waterboards.ca.gov. **Please include the following information in the email:** Attention: NPDES Compliance Unit; Discharger: Lawrence Livermore National Laboratory; Facility: Experiment Test Site 300 Facility; County: San Joaquin County; and the CIWQS place ID 237216 in the body of the email. 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". Please include the attached Monitoring Report Transmittal Form as the first page of each Monitoring Report.

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. Copies of the law and regulations applicable to filing petitions may be found on the internet at: http://www.waterboards.ca.gov/public_notices/petitions/water_quality or will be provided upon request.

ORIGINAL SIGNED BY ADAM LAPUTZ FOR

Pamela C. Creedon
Executive Officer

Enclosures (2): Monitoring Report Transmittal Form (Discharger only)
Site Map

cc: David Smith, U.S. EPA, Region IX, San Francisco (email only)
Division of Water Quality, State Water Board, Sacramento (email only)

Site Map - Lawrence Livermore National Laboratory – Experimental Test Site 300
R5-2016-0076-025

