13 August 2014

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AMENDED NOTICE OF APPLICABILITY (NOA); LOW THREAT GENERAL WASTE DISCHARGE REQUIREMENTS ORDER R5-2013-0074; PG&E PIPELINE REPLACEMENT PROJECT R-375; SUTTER COUNTY

Our office received a letter on 23 July 2014 from Pacific Gas and Electric Company (PG&E) (Discharger) for the PG&E Pipeline Replacement Project R-375 (Project). The Discharger's letter requested revisions to the discharge location. Based on the information in the 23 July 2014 letter and the original NOI, Central Valley Regional Water Quality Control Board (Central Valley Water Board) staff has determined that the Project continues to meet the required conditions for approval under the General Order for *Dewatering and Other Low Threat Discharges to Surface Waters* (Low Threat General Order). Thus, the Executive Officer is amending the 15 July 2014 NOA for Low Threat General Order R5-2013-0074-145. The Project maintains the assigned Low Threat General Order **R5-2013-0074-145** and National Pollutant Discharge Elimination System (NPDES) Permit No. CAG995001. However, this amended NOA dated 13 August 2014 supersedes the NOA dated 15 July 2014.

The Low Threat General Order may be viewed at the following web address: http://www.waterboards.ca.gov/centralvalley/board_decisions/adopted_orders/general_orders/r5-2013-0074.pdf. You are urged to familiarize yourself with the contents of the entire document. The Low Threat General Order prescribes mandatory discharge monitoring requirements. The project activities shall be operated in accordance with the requirements contained in this NOA, the Low Threat General Order, and with the information submitted by the Discharger

CALIFORNIA TOXICS RULE / STATE IMPLEMENTATION POLICY MONITORING

The Low 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 are found in Attachment B of the Low Threat General Order. Review of your water quality data in comparison with the CTR screening values showed no reasonable potential to cause or contribute to an instream exceedance of the CTR criteria or other constituents of concern in Snake River.

PROJECT DESCRIPTION

This project (known as "R-375") is located in the City of Live Oak, and consists of replacing a pipeline that is approximately 4,900 feet long. R-375 is a natural gas feed to the Northern Sacramento Area. Recently discovered safety concerns with two segments of the pipeline requires the Discharger to lower pressure, resulting in constraints on the supply line and limiting the gas supply to the Sacramento Area. The Discharger plans to replace the two pipeline segments. Replacement of the segments will include excavating pipe trenches below the shallow groundwater table (4.5 feet below ground surface) and installing jack-and-bore pits at the northern end of each segment to avoid riparian wetlands. The project will include groundwater dewatering operations. Groundwater dewatering discharge flow rates of the project will range from 0.9 to 2.0 million gallons per day continuously, beginning August 2014 and ceasing October 2014.

Groundwater will be discharged at three locations into laterals of the Butte Water District (BWD) irrigation supply canal. Two of the three laterals are located north of Pennington Road between Hedger Road and Schroeder Road; and the third lateral is located south of Pennington Road, east of Schroeder Road. Groundwater will be collected in fractionation tanks staged near the northern end of each segment to allow for sedimentation, then pumped through particulate filters and discharged to a BWD canal lateral.

The BWD laterals supply water to private irrigation systems that will re-use the pumped groundwater; any remaining water in the lateral will flow into an irrigation drainage canal located about five miles south of the site. The drainage canal flows into Snake River, a water of the United States, which discharges to the Sutter Bypass. The Snake River is not listed as an impaired surface water under the Clean Water Act (CWA), Section 303(d) List of Water Quality Limited Segments.

MONITORING AND REPORTING

The Discharger must notify Central Valley Water Board staff 24 hours 1) before the start of each new discharge, 2) as soon as noncompliance is anticipated, and 3) when the discharge ceases.

The Discharger must submit quarterly reports, as described in Attachment E, Section X of the Low Threat General Order; even if there is no discharge or receiving water flow during the reporting quarter, until the Discharger formally requests that coverage under the Order be terminated. The first monitoring report shall cover the 3rd Quarter 2014 and is due by 1 November 2014.

Monitoring Locations – The Discharger shall monitor the effluent and receiving water at the specified locations as follows:

Table E-1. Monitoring Station Locations

Discharge Point Name	Monitoring Location Name	Monitoring Location Description
001	EFF-001	A location where a representative sample of the effluent can be collected prior to discharging to a BWD canal lateral at 39°16'58.40"N, Latitude; 121°42'41.47"W, Longitude
002	EFF-002	A location where a representative sample of the effluent can be collected prior to discharging to a BWD canal lateral at 39°16'50.50"N, Latitude; 121°42'41.63"W, Longitude

003	EFF-003	A location where a representative sample of the effluent can be collected prior to discharging to a BWD canal lateral at 39°16'21.26"N, Latitude; 121°42'6.16"W, Longitude
--	RSW-001	BWD irrigation canal, approximately 50 feet upstream of EFF-001.
--	RSW-002	BWD irrigation canal, approximately 50 feet downstream of EFF-001.
--	RSW-003	BWD irrigation canal, approximately 50 feet upstream of EFF-002.
--	RSW-004	BWD irrigation canal, approximately 50 feet downstream of EFF-002.
--	RSW-005	BWD irrigation canal, approximately 50 feet upstream of EFF-003.
--	RSW-006	BWD irrigation canal, approximately 50 feet downstream of EFF-003.

Effluent Monitoring – The Discharger shall monitor the effluent at EFF-001, EFF-002, EFF-003 as follows:

Table E-3. Effluent Monitoring – Discharges Less than 4 Months in Duration

Parameter	Units	Sample Type	Minimum Sampling Frequency[1,2]	Required Analytical Test Method
Biochemical Oxygen Demand (5-Day @ 20 °C)	mg/L	Grab	2/Month	[3]
Chlorine, Total Residual	mg/L	Grab	1/Discharge Event	[3,4,5]
Electrical Conductivity @ 25 °C	µmhos/cm	Grab	2/Month	[3]
pH	standard units	Grab	2/Month	[3]
Settleable Solids	mL/L	Grab	2/Month	[3]
Total Suspended Solids	mg/L	Grab	2/Month	[3]

[1] If the discharge is intermittent rather than continuous, then on the first day of each such intermittent discharge, the Discharger shall monitor and record data for all of the constituents listed above, after which the frequencies of analysis given in the schedule shall apply for the duration of each such intermittent discharge. In no event shall the Discharger be required to monitor and record data more often than twice the frequencies listed in the table.

[2] The first sample shall be collected at the start of discharge.

[3] Pollutants shall be analyzed using the analytical methods described in 40 CFR Part 136.

[4] A handheld field meter may be used, provided the meter utilizes a USEPA-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.

[5] Total chlorine residual must be monitored with a method sensitive to and accurate at a reporting level of 0.08 mg/L, or any more stringent reporting level included in a final statewide policy or standard for total residual chlorine.

Receiving Water Monitoring – When discharging to surface water, the Discharger shall monitor the receiving water as follows. When discharge is occurring at Discharge Point 001 monitoring is required at RSW-001 and RSW-002. When discharge is occurring at Discharge Point 002 monitoring is required at RSW-003 and RSW-004. When discharge is occurring at Discharge Point 003 monitoring is required at RSW-005 and RSW-006.

Table E-5. Receiving Water Monitoring – Discharge Less than 4 Months in Duration

Parameter	Units	Sample Type	Monitoring Frequency	Required Analytical Test Method
Dissolved Oxygen	mg/L	Grab	2/Week	[1]
Electrical Conductivity @ 25 ºC	µmhos/cm	Grab	2/Week	[1]
pH	standard units	Grab	2/Week	[1]
Temperature	°F	Grab	2/Week	[1]
Turbidity	NTU	Grab	2/Week	[1]

[1] Pollutants shall be analyzed using the analytical methods described in 40 CFR Part 136.

In conducting the receiving water sampling, a log shall be kept of the receiving water conditions throughout the reach bounded by RSW-001, RSW-002, RSW-003, RSW-004, RSW-005 and RSW-006. Attention shall be given to the presence or absence of:

- **a.** Floating or suspended matter
- **b.** Discoloration
- **c.** Bottom deposits
- **d.** Aquatic life
- **e.** Visible films, sheens, or coatings
- **f.** Fungi, slimes, or objectionable growths
- **g.** Potential nuisance condition

Notes on receiving water conditions shall be summarized in the monitoring report.

GENERAL INFORMATION AND REQUIREMENTS

The required annual fee (as specified in the annual billing you will receive from the State Water Resources Control Board) shall be submitted until the discharge is terminated. To terminate coverage under the Low Threat General Order, the Discharger must submit written notification to the Central Valley Water Board that the discharge regulated by this Low Threat General Order has ceased and is no longer necessary. If a timely written request is not received, then 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 Low 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. Late reports may be subject to an MMP of $3,000 for each period of 30 days late. When discharges do not occur during a quarterly monitoring period, the Discharger must still submit a quarterly report indicating that no discharge occurred to avoid being subject to enforcement actions.

COMMUNICATION

All monitoring report submittals, notification of the beginning and end of discharge, and questions regarding compliance and enforcement shall be directed to Lucio Orellana of the Central Valley Water Board's NPDES Compliance and Enforcement Unit. Mr. Orellana can be reached at (916) 464-4660 or Lucio.Orellana@waterboards.ca.gov.

Questions regarding the permitting aspects of this Low Threat General Order, and written notification for termination of coverage under the Low Threat General Order, shall be directed to Josh Palmer of the Central Valley Water Board's NPDES Permitting Unit. Mr. Palmer can be reached at (916) 464-4674 or Joshua.Palmer@waterboards.ca.gov.

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 Ken Landau for

Pamela C. Creedon
Executive Officer

cc: Dave Smith, U.S. Environmental Protection Agency, Region IX, San Francisco
Phil Isorena, Division of Water Quality, State Water Board, Sacramento