

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY REGION

MONITORING AND REPORTING PROGRAM R5-2015-xxxx
FOR
PACIFIC GAS AND ELECTRIC COMPANY
KERCKHOFF DAM LOW LEVEL OUTLET GATE REPLACEMENT PROJECT
MADERA COUNTY

This Monitoring and Reporting Program (MRP) describes requirements for monitoring dredging operations, dewatering activities, dam maintenance activities, and receiving waters in accordance with the requirements of Waste Discharge Requirements (WDR) for the Kerckhoff Dam Low Level Outlet Gate Replacement Project. This MRP is issued pursuant to California Water Code § 13267. The Discharger shall not implement any changes to this MRP unless and until a revised MRP is issued by the Central Valley Regional Water Quality Control Board (Central Valley Water Board) Executive Officer.

All samples shall be representative of the volume and nature of the discharge or matrix of material sampled. The time, date, and location of each grab sample shall be recorded on the sample chain of custody form.

Field test instruments (such as those used to test pH, turbidity, settleable solids, and dissolved oxygen) may be used provided that:

1. The operator is trained in proper use and maintenance of the instruments;
2. The instruments are calibrated daily or according to manufacturer specifications;
3. Instruments are serviced and/or calibrated by the manufacturer at the recommended frequency; and
4. Field calibration reports are submitted as described in the "Reporting" section of this MRP.

In the event that any turbidity measurements exceed the limits specified in Receiving Water Limitations D.3 of the WDR, dredging operations and/or discharge shall cease immediately, and an additional water sample shall be taken immediately at the point of exceedance. The report of turbidity exceedance and steps taken to comply with the provisions of the Certification shall be reported immediately by phone, fax, or email to the Central Valley Water Board. Dredging and/or discharge shall be suspended until turbidity levels return to levels in compliance with the WDR, or as otherwise instructed by the Central Valley Water Board.

MONITORING

Receiving water monitoring shall be conducted according to the Water Quality Monitoring Plan that shall be submitted for Executive Officer approval no less than 14 days prior to beginning the Project. The Water Quality Monitoring Plan shall include, at minimum:

- Receiving water sampling for pH, turbidity, settleable matter, dissolved oxygen, and temperature; and
- Sampling locations that represent upstream in-reservoir water quality, downstream in-reservoir water quality, background river water quality, and downstream river water quality.

Receiving water monitoring will be conducted during dredging operations, dredge sediment transporting operations, grouting activities, and when any pumps are in operation.

REPORTING

A report documenting the results of the required monitoring shall be submitted to the Central Valley Water Board, at a minimum of once per month, with potential violations reported to the Central Valley Water Board staff within two hours of the discovery of the potential violation. This notification to the Central Valley Water Board can be done by either telephone or e-mail. Written confirmation and description of the violation shall follow within two weeks.

If the project is in operation and/or monitoring is required for more than one month, monthly self-monitoring reports shall be submitted to the Central Valley Water Board no later than 15 days from the end of the month in which monitoring is conducted.

Monthly self-monitoring reports shall include:

1. The date, time, manner, and exact place of sampling;
2. The name of person(s) taking samples;
3. The dates of sample analyses (if any) and the person(s) performing the analyses;
4. The analytical methods used;
5. The results of the analyses;
6. A comparison of monitoring data to the discharge specifications and an explanation of any violation of those requirements; and any measures taken to come into compliance;
7. Copies of any laboratory analytical report(s); and
8. Calibration logs verifying calibration of all hand-held monitoring instruments and devices used to comply with the prescribed monitoring program.

In reporting monitoring data, the Discharger shall arrange the data such that the date, sample type (e.g., effluent, equalization basin, etc.), and reported analytical result for each sample are readily discernible. The data shall be summarized in such a manner to clearly illustrate compliance with the WDR conditions. The results of any monitoring done more frequently than required at the locations specified in the MRP shall be reported to the Central Valley Water Board.

A letter transmitting the self-monitoring reports shall accompany each report. Such a letter shall include a discussion of Certification condition violations found during the reporting period, and actions taken or planned for correcting noted violations, such as operation or project activity modifications. If the Discharger has previously submitted a report describing corrective actions and/or a time schedule for implementing the corrective actions, reference to the previous correspondence will be satisfactory. The transmittal letter shall contain the penalty of perjury statement by the Discharger, or the Discharger's authorized agent, as described in Standard Provisions for Waste Discharge Requirements (1 March 1991).

The Discharger shall implement the above monitoring program as of the date of this MRP.

Ordered by:

PAMELA C. CREEDON, Executive Officer

(Date)