

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LAHONTAN REGION**

BOARD ORDER NO. R6V-2010-0045

**RESCISSION OF WASTE DISCHARGE REQUIREMENTS
BOARD ORDER NO. R6V-2006-0054
WDID 6B360611007
(FORMERLY WDID 6B369107001)**

FOR

**PACIFIC GAS AND ELECTRIC COMPANY
SOURCE AREA IN-SITU REMEDIATION PROJECT**

San Bernardino County

The California Regional Water Quality Control Board, Lahontan Region (Water Board) finds:

1. The Discharger

The Pacific Gas and Electric Company (PG&E) submitted a complete report of waste discharge for the Source Area In-Situ Remediation Project (Project) on August 22, 2006. For the purposes of this Order, PG&E is the operator of the Project and is referred to as the Discharger.

2. History

The Water Board has previously established waste discharge requirements for the Project under Board Order No. R6V-2006-0054. On August 11, 2009, the Water Board Executive Officer issued Amended Monitoring and Reporting Program No. R6V-2006-0054A1 that changed the monitoring frequency for the Project from monthly to quarterly. On July 7, 2010, the Water Board Executive Officer issued a Notice of Applicability (NOA) of General Waste Discharge Requirements for the General Site-Wide Groundwater Remediation Project, Board Order No. R6V-2008-0014, that combines three on-going in-situ remediation projects into one project. That NOA included a rescission of Monitoring and Reporting Program No. R6V-2006-0054A1.

3. Description of the Project

The Project is a full-scale, in-situ remedial action for reducing hexavalent chromium in groundwater to trivalent chromium for achieving water quality standards. The Project includes two major elements: 1) injection of food-

grade, biological reagents to groundwater and 2) extraction of groundwater to spread the reagents downgradient of the injection point. The Project is located on the PG&E Compressor Station property at 35863 Fairview Road in Hinkley and extends 300 feet to the north of Community Boulevard.

4. Description of the Discharge

The Discharger extracts groundwater containing hexavalent chromium and amends it with reagents, such as sodium lactate and ethanol, before returning the mixture to the saturated zone via injection wells. The Discharger can add tracer compounds and well rehabilitation compounds to the extracted groundwater to evaluate hydrogeologic conditions and restore flow rates to clogged well screens, respectively.

5. Reason for Action

The July 7, 2010, NOA combines three on-going in-situ remediation projects into one project. The combined project, referred to as the In-Situ Reactive Zone (IRZ) project, combines remedial actions at the Source Area, Central Area, and the South Central Re-injection Area. The IRZ utilizes existing infrastructure including wells, piping, electrical systems, and dosing systems and can expand treatment to areas already approved in the General WDRs. The NOA also combines the three monitoring and reporting programs from the individual projects into one monitoring and reporting program. The NOA's monitoring and reporting program replaced the rescinded Monitoring and Reporting Program No. R6V-2006-0054A1 and is in effect now. The discharge requirements of the NOA do not go into effect until waste discharge requirements in Board Order No. R6V-2006-0054 are rescinded.

6. California Environmental Quality Act Compliance

This action is being taken by this regulatory agency, to rescind Board Order Nos R6V-2006-0054, pursuant to the California Water Code and as such is exempt from the provisions of the California Environmental Quality Act (Public Resources Code section 21000 et seq.), in accordance with, California Code of Regulations, title 14, section 15321(a)(2).

7. Public Notification

The Water Board has notified the Discharger and interested parties of its intent to rescind Board Order No. R6V-2006-0054. The Water Board, in a public hearing, heard and considered all comments pertaining to this Board Order.

IT IS HEREBY ORDERED that Board Order No. R6V-2006-0054 be rescinded.

I, Harold J. Singer, Executive Officer, do hereby certify that the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, Lahontan Region, on October 13, 2010.



HAROLD J. SINGER
EXECUTIVE OFFICER