

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
REGION 7, COLORADO RIVER BASIN REGION**

ORDER NO. R7-2007-0014

A SPECIAL ORDER REVISING
WASTE DISCHARGE REQUIREMENTS ORDER R7-2006-0008,
PACIFIC GAS AND ELECTRIC COMPANY, OWNER/OPERATOR,
TOPOCK COMPRESSOR STATION – FLOODPLAIN REDUCTIVE ZONE IN-SITU
Pilot Test – Needles, San Bernardino County

The following Discharger is authorized to discharge in accordance with the conditions set forth in this Order:

Discharger	Pacific Gas and Electric Company
Name of Facility	PG&E Topock Compressor Station – Floodplain Reductive Zone In-situ Pilot Test
Facility Address	15 miles Southeast of Needles, CA
	San Bernardino County Assessors Parcel Number 0650-161-12
	San Bernardino County
Facility Contact, Title, and Phone	Curt Russell, Chief Plant Operator (760) 326-5582
Mailing Address	Pacific Gas and Electric Company 77 Beale Street San Francisco, CA 94105
Type of Facility	Industrial
Facility Design Flow	18,000 gallons per injection

The California Regional Water Quality Control Board, Colorado River Basin Region (hereinafter Regional Water Board), finds:

1. Pacific Gas and Electric Company (hereinafter, Discharger) submitted a Report of Waste Discharge (ROWD), dated June 21, 2005, applying for a Board Order to discharge 6,000 gallons per injection well of a blended mixture of groundwater and reagent into an injection well cluster of two borings drilled to shallow and deep depths (PTI-1S/D) (12,000 gallons total per injection event) for an in-situ pilot test to be conducted in the Colorado River floodplain. The application was deemed complete on July 21, 2005. An addendum to the ROWD was submitted on December 8, 2005, which proposed refinements and minor modifications to the floodplain in-situ pilot study activities described in the ROWD. In pertinent part, these amendments included increasing the number of injection wells from two to three to enable testing to be conducted at shallow, middle, and deep depths in the injection well cluster (injection well PTI-1S/M/D), allowing up to four injections of a mixture of up to 500 pounds of reagent and 6,000 gallons of groundwater per injection well (18,000 gallons total per injection event) during the pilot test period of six months, and authorizing the Executive Officer to extend the pilot test period for conducting these tests beyond six months, if necessary.
2. On November 30, 2006, the Discharger submitted a request to revise the Waste Discharge Requirements of Board Order R7-2006-0008 to allow for additional injections beyond the previously specified maximum of four injection events that have been conducted to date in PTI-1. Each injection event would apply a reagent mixture of up to 1,500 lbs of sodium lactate, 14 pounds of yeast extract and 18,000 gallons of groundwater.

Waste Discharge Requirements Order R7-2007-0014
Pacific Gas And Electric Company, Owner/Operator,
Topock Compressor Station – Floodplain Reductive Zone In-Situ

3. In accordance with the California Environmental Quality Act (CEQA) (Section 21000 et seq. of the California Public Resources Code), the Department of Toxic Substances Control, acting as the lead agency, evaluated whether the additional injection events are a significant change from the project, which was the subject of an Initial Study and Negative Declaration, and for which a Notice of Determination (NOD) was filed by DTSC on December 14, 2005. In a letter dated December XX, 2006, the Department of Toxic Substances Control (DTSC) determined that the additional injection events are consistent with the scope of the project description, including the Initial Study and Negative Declaration, and December 14, 2005 NOD. The Regional Board has considered the Initial Study, the NOD and the determination by DTSC that the additional injections are within the scope of the earlier CEQA determination. Compliance with these Amended Waste Discharge Requirements should prevent any adverse impacts on water quality.
4. The Regional Water Board has notified the Discharger and interested agencies and persons of its intent to amend Waste Discharge Requirements for the discharge and has provided them with an opportunity to submit their written comments and recommendations.
5. The Regional Water Board, in a public meeting, heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED, that in order to meet the provisions contained in Division 7 of the California Water Code (CWC) and regulations adopted therein, the Discharger shall comply with the requirements in this Order.

Findings section of Order No. R7-2006-0008, page 8. Replace finding II.B.5 with the following:

6. The Discharger proposes using treated and blended groundwater from IM No. 3 treatment facility as the carrier for the reagents. The reagent volumes proposed per application for the pilot test are 18,000 gallons of groundwater containing up to 1,500 lbs of sodium lactate and 14 lbs of yeast extract and a non-toxic tracer in injection well PTI-1. If the initial reduction efficiency of Cr(VI) is insufficient, up to six injections may be performed at higher lactate concentrations.

Discharge Prohibitions section of Order No. R7-2006-0008, page 10. Replace Prohibition III.A.4 with the following:

7. Discharge of treated wastewater at a location or in a manner different from that permitted by this Order, or as otherwise authorized by the Regional Water Board's Executive Officer, is prohibited.

All other conditions and requirements of Order No. R7-2006-0008 shall remain unchanged.

I, Robert Perdue, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, Colorado River Region, on March 21, 2007.


ROBERT PERDUE
Executive Officer