

**FINAL DECISION PACKAGE
CORRECTIVE MEASURES APPROVAL**

**Pacific Gas and Electric Company - Topock Compressor Station
EPA ID # CAT080011729**

CHRONOLOGY OF CORRECTIVE ACTION ACTIVITIES

<u>DATE</u>	<u>ACTIVITIES</u>
08/18/1980	PG&E notified EPA of Hazardous Waste Activities
11/17/1980	PG&E submitted a RCRA Part A Permit Application
04/06/1981	Interim Status was issued to PG&E as owner/ operator of a "Treatment, Storage, Disposal Facility (TSDf)"
05/08/1985	EPA requested PG&E to submit Part B Permit Application
09/06/1985	PG&E filed intent to close all TSDf related units instead of filing for Part B permit
08/1987	RCRA Facility Assessment (RFA) completed
10/1988	Soil investigation at former percolation bed and surrounding area of Bat Cave Wash
05/17/1989	RCRA Comprehensive Groundwater Monitoring Evaluation identified an inactive injection well as a SWMU
06/1990 and 12/27/1993	PG&E submitted closure certification reports for former hazardous waste management units
05/22/1995	PG&E notified Regional Water Quality Control Board of chromium VI contamination in groundwater
06/26/1995	DTSC accepted PG&E's closure certification reports
02/26/1996	DTSC and PG&E entered Corrective Action Consent Agreement to investigate the site and remediate contamination if necessary
12/19/1996	DTSC approved facility wide RCRA Facility Investigation Workplan
06/09/1998	DTSC issued Public Participation Plan
12/2002	PG&E submitted Corrective Measure Study (CMS) Workplan for groundwater pump and treat system
06/24/2003	DTSC approved 12/2002 CMS Workplan for groundwater pump and treat system
11/13/2003	PG&E submitted Technical Memorandum on extraction well pilot study workplan
12/23/2003	PG&E submitted exploratory pilot test extraction drilling results as addendum to groundwater pilot study technical memorandum
01/22/2004	DTSC imposed first Interim Measure (IM) due to Cr(VI)

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	detection near the Colorado River from newly installed monitoring well. IM was imposed to prevent contamination from reaching Colorado River.
02/09/2004	DTSC imposed second IM requiring immediate extraction, treatment and disposal of contaminated groundwater to influence the hydraulic gradient of the Cr(VI) plume
02/10/2004	DTSC filed CEQA notice of exemption for IM2
06/30/2004	DTSC concurred with PG&E's proposed IM3 due to projected adverse effect of low river water levels during winter and spring to IM extraction
06/30/2004	DTSC filed CEQA notice of exemption for IM3
07/2005	IM3 Treatment Plant construction completed. PG&E began removing Cr from extracted groundwater and re-injecting clean water back into the aquifer
08/08/2005	PG&E submitted In-situ Hexavalent Chromium Reduction Pilot Test Work Plan for Floodplain
10/19/2005	DTSC issued public notice of Initial Study, Draft Negative Declaration, and announcement of 30 days public comment period under CEQA for proposed Floodplain In-situ Hexavalent Chromium Reduction Pilot Test
11/18/2005	Public comment period for floodplain in-situ pilot test ends
05/2006	www.DTSC-Topock.com website was developed to facilitate and distribute information to the public
02/07/2007	DTSC issued public notice of Initial Study, Draft Negative Declaration, and announcement of 30 days public comment period under CEQA for proposed Upland In-situ Hexavalent Chromium Reduction Pilot Test
02/12/2007	DTSC issued revised Public Participation Plan
03/09/2007	Public comment period for upland in-situ pilot test ends
05/15/2007	DTSC directed PG&E to revise 12/2002 CMS/FS Workplan due to changes in site condition
08/10/2007	PG&E submitted revised final Volume 1 RFI Report on site background and history.
08/15/2007	DTSC accepted revised final Volume 1 RFI Report
10/29/2007	DTSC required PG&E to submit work plan to investigate East Ravine area and separated groundwater decision from soil investigation
12/11/2007	PG&E submitted East Ravine Investigation Work Plan
03/06/2008	PG&E issued final groundwater and soil CMS/FS Work Plan
05/02/2008	DTSC issued public notice, fact sheet, and announcement of 60 days comment period for the Notice of Preparation (NOP) of a Groundwater Remedy Environmental Impact Report (EIR)
05/27 – 6/5/2008	DTSC held five public scoping meetings for EIR
07/01/2008	Public Comment period ended for NOP

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07/11/2008	PG&E submitted revised East Ravine Investigation Work Plan
07/24/2008	DTSC conditionally approved East Ravine Investigation Work Plan
02/04/2009	DTSC conditionally approved the revised final RFI/RI Volume 2 Report on groundwater and surface water characterization
05/28/2009	DTSC conditionally approved redline version of RFI/RI Volume 2 addendum
05/28/2009	Department of Interior requested Time Critical Removal Action to remove debris at AOC 4, Debris Ravine. NOTE: DTSC was not involved in this directive
07/16/2009	DTSC issued Addendum to February 2007 Public Participation Plan
07/23 – 07/30/2009	DTSC held four community meetings in Needles, CA; Lake Havasu, AZ; Parker, AZ; Golden Shores, AZ.
11/12/2009	PG&E submitted electronic version of final Human and Ecological Risk Assessment for groundwater for SWMU1/AOC1 and SWMU2
11/23/2009	DTSC provided concurrence on the final Human and Ecological Risk Assessment Report
12/04/2009	PG&E submitted final hardcopy of Human and Ecological Risk Assessment Report for SWMU1/AOC1 and SWMU2
12/17/2009	PG&E submitted Final Groundwater CMS/FS Report for SWMU 1/ AOC 1 and AOC 10
12/18/2009	DTSC approved Final Groundwater CMS/FS Report
04/28/2010	DTSC completed draft Statement of Basis and draft EIR for a preferred groundwater remedy
06/04/2010	Issued Notice of Completion, public notice of availability of the Draft EIR and Statement of Basis. Began 45 days public comment period
06/22 – 06/30/2010	DTSC held four public meetings and hearings on Draft EIR and Statement of Basis
07/19/2010	End of comment Period for Draft EIR and Statement of Basis
01/18/2011	Issued final EIR and responsive summary to commenting agencies and tribes for 10-day review
01/31/2011	Certifies and adopts final EIR, files Notice of Determination
01/31/2011	DTSC approves the project and adopts Statement of Decision with Findings of Fact and Statement of Overriding Consideration with Mitigation Monitoring and Reporting Program
01/31/2011	DTSC notifies interested parties of final groundwater remedy selection by email and prepares public notice of decision