

TOPOCK

Remediation Review

Groundwater Update

Intermediate Groundwater Design Under Review

The California Department of Toxic Substances Control (DTSC) and the U.S. Department of the Interior (DOI), in coordination with tribal governments, Metropolitan Water District of Southern California, Colorado River Board and Pacific Gas and Electric Company (PG&E), are working to resolve more than 800 comments received on the Topock groundwater remedy Basis of Design Report/Intermediate (60%) Design, which was submitted by PG&E on April 5, 2013. The 60% Design document builds upon the Preliminary (30%) Design and has a greater level of detail about key design elements.

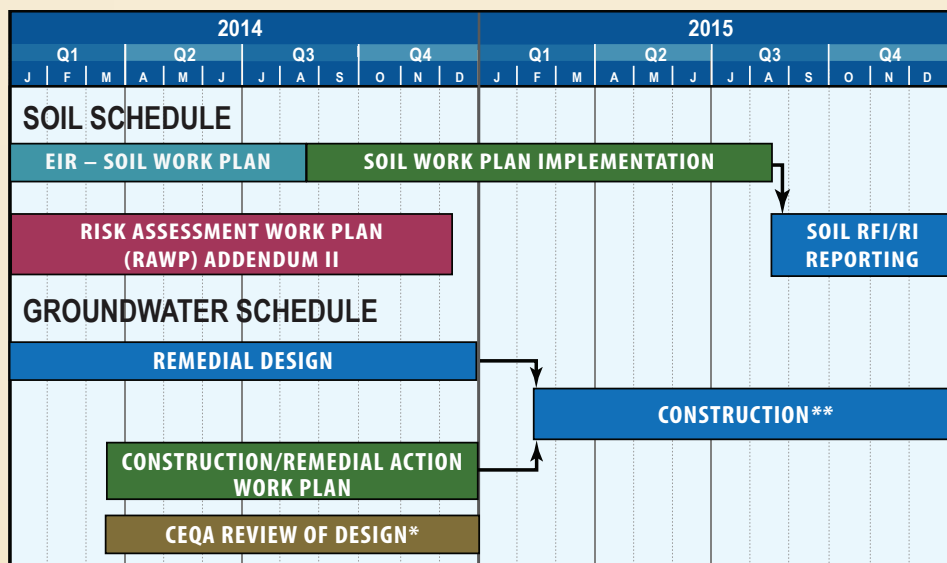
The comments are being resolved through a series of face-to-face and web-based meetings among Agencies, Tribes and stakeholders. After these collaborative meetings, DTSC and DOI will provide direction to PG&E for completion of the Pre-Final (90%) Design, currently targeted for June 2014.

Freshwater Source Evaluation Underway

The source of freshwater supply for the remedy is one of the key 90% Design elements. DTSC and DOI approved PG&E's approach for the evaluation of alternative freshwater sources on September 4, 2013. Field work is underway and is scheduled for completion in early 2014. In addition, on November 20, 2013, the California State Water Resources Control Board concluded that, subject to limitations, groundwater from an Arizona well, despite temporarily exceeding the water quality objective for arsenic, may be injected at the Topock Site to ensure timely and effective implementation of the remedy.

During a November 4, 2013 teleconference, the Agencies, Tribes, PG&E and stakeholders discussed preliminary data from the field work and next steps. Another web-based meeting took place on January 29, 2014 to discuss well testing data for future freshwater supply well location in the 90% Design.

Soil/Groundwater Schedule



CMS/FS Corrective Measure Study/Feasibility Study
 RFI/RI RCRA Facility Investigation/Remedial Investigation
 * Duration dependent on type of CEQA document
 ** Start of construction is dependent on CEQA review duration

Technical Review Committee Spotlight

The Technical Review Committee (TRC) was established to convene and retain a multidisciplinary panel of independent scientific and engineering experts. The TRC is made up of multidisciplinary experts who will review project-related documents, participate in project-related meetings and advise interested tribal members on technical matters relating to the final design and remedy. Dr. Robert Prucha is featured in the fourth of this spotlight series.



Dr. Robert Prucha, P.E.

Dr. Robert Prucha, P.E., has over 25 years of experience as a Hydrogeologist and Water Resources Engineer. His work focuses on the characterization and numerical analysis of fluid flow and heat/contaminant transport within groundwater and other natural systems. As a professional civil engineer, Dr. Prucha works on a wide range of water resources and environmental projects throughout the U.S. and internationally, collaborating with teams of consultants, regulators, concerned citizens, attorneys and others.

His expertise is in developing and applying large, complex numerical flow and transport models for mining sites, oil refining/distribution facilities, municipal landfills, and nuclear, chemical and manufacturing plants. Dr. Prucha has also contributed to the remedial investigation/feasibility study (RI/FS) process on several U.S. EPA Superfund sites in California and elsewhere. He is also proficient in the use of ArcGIS, CAD and several other advanced geologic modeling/graphical/animation tools.

Soils Investigation Update

PG&E submitted the Soils RCRA Facility Investigation/Remedial Investigation (RFI/RI) Work Plan in January 2013. The purpose of the work plan is to define potential contaminants in soils at the site. In compliance with the California Environmental Quality Act (CEQA), DTSC is evaluating potential environmental impacts associated with the proposed soil sampling activities and will prepare an Environmental Impact Report (EIR) for the proposed activities. DTSC has met with representatives of interested Tribes for input to the visual evaluation and mitigation measures for the EIR. After the completion and certification of the EIR, with approval from agencies, PG&E will implement the investigation work within approximately one year (see the latest soil/groundwater activities schedule on page 1).



Project Recap

- Following the finalization of the Cultural and Historic Properties Management Plan (CHPMP) by the Bureau of Land Management (BLM) in the first quarter of 2012, the Agencies, Tribes and stakeholders continue to meet every other month to discuss implementation of the plan.
- On November 20 and 21, 2013, DTSC performed the 2013 annual visit to all project information repositories to ensure all repositories are up to date and to identify any missing information. A report detailing updates made to the repositories during the visit (called the 2013 Annual Information Repository Visit Report) is expected to be completed in early 2014.
- Several of the mitigation measures specified by the Final Environmental Impact Report (FEIR) for Groundwater are in progress:
 - The Third Quarter 2013 EIR Mitigation Measures Compliance Report was completed on October 31, 2013. The Fourth Quarter 2013 EIR Mitigation Measures Compliance Report will be completed on January 31, 2014.
 - PG&E and the Tribes continue to meet regarding Topock project activities (CUL-1a-8a). The purpose of the meetings is to collaborate on mitigation measures and planned and ongoing studies, measures that are being taken to mitigate project impacts and/or other project-related activities of interest.
 - The Cultural Impact Mitigation Program (CIMP) (CUL-1a-8) is under preparation. The CIMP will be submitted with the groundwater pre-final 90% design. PG&E is working with the Tribes on the CIMP via the following activities:
 - » Meetings to discuss the content of various mitigation measures and the CIMP.
 - » The draft CIMP was provided to interested Tribes by PG&E

for review on July 5, 2013, prior to submittal to DTSC. Tribal comments on the draft CIMP were received in October 2013.

» *The draft plan for the decommissioning, removal and restoration of the IM-3 Facility was provided to the Tribes by PG&E on July 26, 2013 for review (and was included as Appendix B to the CIMP).*

• Field surveys and site walks:

- Plant survey (for lycium and arrowweed) conducted December 16 – 17, 2013 in response to a comment from DOI on the 60% design.
- Biological monitoring for the freshwater supply work occurred November 11 – 20, November 25 – 27 and December 2 – 12, 2013.
- Annual monitoring for archaeological and historical sites occurred December 3 – 11, 2013.
- Annual archaeological monitoring of the remaining identified sites within the groundwater remedy project area was conducted December 2 – 11, 2013.
- Archaeological monitoring for the freshwater supply work occurred November 11 – 20 and November 25 – 27, 2013.
- Biological survey to evaluate surface soil classification occurred November 4 – 5, 2013.
- Archaeological monitoring of sites within the soils investigation area was conducted April 29 – May 13 and September 30 – October 3, 2013.
- Biological pre-construction reconnaissance for the freshwater supply work occurred October 2, 2013.

• Other field work:

- Continued groundwater and surface water monitoring.
- Soil sampling and geophysical survey in Bat Cave Wash was conducted in April 2013, focused on an abandoned well named TCS Well No. 4.

UPCOMING TOPOCK REPORTS

March 15, 2014

- Fourth Quarter 2013 and Annual Interim Measures Performance and Site-Wide Groundwater and Surface Water Monitoring Report

April 15, 2014

- First Quarter 2014 Monitoring Report, Interim Measure No. 3 Groundwater Treatment System

April 30, 2014

- First Quarter 2014 Interim Measures Performance and Site-Wide Groundwater and Surface Water Monitoring Report
- April 2014 (Target) Draft Soil Investigation EIR for Public Review
- 2013 Annual Information Repository Visit Report

August 2014 (Target)

- Basis of Design Report/Pre-Final (90%) Design for the Final Groundwater Remedy

The Topock Remediation Review is a quarterly technical update on the Topock Compressor Station cleanup project. It is published by the Topock Clearinghouse Task Force, a group of stakeholders comprised of state, regional and federal agencies; Native American Tribes; and PG&E representatives.

The Topock Remediation Review is dedicated to enhancing stakeholder understanding of technical and regulatory information, encouraging participation in decision making forums and fostering timely and effective project management and decisions for the Topock Compressor Station project final remedy. You may view past issues of the newsletter in the Document Library on the project's website (www.dtsc-topock.com). Navigate to the "Public Outreach" page and its "Other Outreach Documents" category.

FIRST QUARTER 2014 REGULARLY SCHEDULED MEETINGS

DATE	EVENT	LOCATION
February 11, 2014	Technical Work Group Meeting	Laughlin, NV
February 12, 2014	Consultative Work Group Meeting	Laughlin, NV
February 13, 2014	Clearinghouse Task Force Meeting	Laughlin, NV
March 5, 2014	CHPMP Meeting	BLM Lake Havasu Field Office, Lake Havasu City, AZ
March 18, 2014	Clearinghouse Task Force Meeting	CH2M HILL Office, Henderson, NV
March 19, 2014	Technical Work Group Meeting	Hilton Garden Inn, Henderson, NV

Contact Information

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www.dtsc-topock.com.

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the Topock Project should be directed to:

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