

SITE DESIGNATION - STATUS REPORT

For information on completing and submitting this status report, refer to the instructions on reverse.

Date: 7/2/09	Lead Agency: Department of Toxic Substances Control – Geological Services Branch
Site Name/Address: PG&E Topock Compressor Station	Project Manager Name: Aaron Yue
Resolution Number: 03/03	Project Manager Phone Number: (714) 484-5439

1. Date(s) of Consultative Meeting(s) and List of Attendees (Agency):

In Fiscal Year 2008/2009 (FY 08/09), the Department of Toxic Substances Control (DTSC) and the Consultative Work Group (CWG) conducted face-to-face meeting approximately once every three months and teleconference calls as frequently as the project warranted. During FY 08/09, face-to-face CWG meetings were held on August 20, 2008, November 19, 2008, and February 10-11, 2009. The Geo/Hydro Technical Subcommittee of the CWG also meets periodically. During FY 08/09, face-to-face Geo/Hydro Technical Subcommittee meetings were held on August 19, 2008, November 18, 2008, January 22, 2009, and May 12, 2009. Topock Leadership Partnership meetings were held on October 29, 2008, December 16, 2008, January 29, 2009, March 12, 2009, and May 21, 2009.

A list of attendees of the face-to-face meetings is provided as Attachment A. A list of all CWG Members and Tribal Representatives notified and invited to attend the CWG meetings is provided as Attachment B. A list of everyone notified and invited to attend the Geo/Hydro Technical Subcommittee meetings is provided as Attachment C.

Participants at the CWG meetings included members of local, state, and federal government stakeholder agencies as well as representatives from the Fort Mojave, Hualapai, and Colorado River Indian Tribes (CRITs). Each meeting agenda and minutes from previous CWG meetings were provided to all participants.

2. Recent Public Comment/Participation:

DTSC sent CDs containing July - September 2008 documents to the information repositories for arrival on July 21, 2008.

Topock Website

On a quarterly basis, documents were uploaded to the Topock Project Website (www.dtsc-topock.com) online Document Library with new or revised documents through March 2009.

DTSC moved the EIR Notice of Preparation (NOP) public comment documents from the Public Comment section of the Document Library to the CEQA and Public Outreach sections, created an EIR Scoping Meeting document subcategory on the Public Outreach page of the online Document Library, and uploaded the Final EIR Scoping Report and Public Scoping Meeting transcripts documents to the website on August 15, 2008. In response to a request from the tribes and other stakeholders, DTSC posted the Soil Sampling Investigation Part A Phase I figures to the website Document Library on August 25, 2008. DTSC initiated a quarterly update of the DTSC Topock Project Website text and figures. In Summer 2008, DTSC, in concert with the Information Clearinghouse Task Force, initiated a revised (improved) structure to the Document Library, which was implemented on the public site in October 2008. Announcements of the August 20 and November 18 CWG meetings were posted on the Website Homepage.

Community Outreach

On January 5, 2009, DTSC sent out the community survey for the PG&E Topock Compressor Site. The more than 150 comments that were received by the survey deadline of January 26, 2009 were summarized and are being included into the Public Participation Plan as an addendum.

Tribal Outreach

- Members of DTSC's CEQA team and EIR consultant met with tribal representatives throughout the fiscal year to discuss cultural resources and issues as part of the EIR fact-finding process under CEQA.
- The Topock Leadership Partnership (TLP) was established in an effort to garner increased shared understanding of each participant's interests, to be considered in the decision making process on actions or guidance necessary to move expeditiously to final remedies for the Topock site. The TLP is an interagency group composed of senior officials (or their designated employees with authority to act on their behalf) acting in their official capacities to exchange information, views, and opinions relating to the development, evaluation,

selection, and implementation of remedial and corrective action at the Topock site.

Topock Site Mailing List Update

During the 1st Qt. of FY 08/09, DTSC received two requests via the project website to be added to the site mailing list. The mailing list was updated accordingly. The mailing list was updated again in December 2008, January 2009, and May 2009.

EIR Notice of Preparation (NOP), Public Comment Period, and CEQA Public Scoping Meetings

DTSC's 60-day Public Comment Period for the EIR Notice of Preparation (NOP) ended on July 1, 2008. During July and August 2008, DTSC reviewed the Public Scoping Meeting comments and issued a Final Scoping Meeting Report on August 8, 2008. The report included information on the purpose of the scoping process, a description of scoping activities, and summaries of the Public Scoping Meetings including information on the meeting format, attendance, comments received, etc. The Scoping Meeting report, NOP, meeting transcripts and related documents were posted on DTSC's main website Topock page, as well as on the DTSC Topock Project Website.

DTSC is currently working on the Draft Programmatic Environmental Impact Report to assess the potential environmental effects of the groundwater remedial components identified in the draft Corrective Measures Study/ Feasibility Study.

Arizona Groundwater Study

PG&E reported results from the Arizona Groundwater Investigation sampling events from April 15, 2008 through March 13, 2009 to private property owners with copies to the Arizona Department of Environmental Quality (ADEQ) and DTSC.

East Ravine Groundwater Investigation

PG&E held periodic screen calls throughout the 3rd and 4th quarters of FY 08/09 to discuss interim results and next steps for the East Ravine groundwater investigation. In January 2009, DTSC solicited interest from CWG/TWG members and tribal governments to participate in these screen calls. Meeting invitations were then sent to members who expressed interest in participation, including representatives from DTSC, DOI, tribal governments, and stakeholders. Throughout January - June 2009, representatives from DTSC, DOI and tribal monitors have periodically visited the site and observed the field implementation.

3. Describe the Potential or Known Areas of Concern:

DTSC continues to oversee PG&E in evaluating what is needed to protect the beneficial uses of the Colorado River.

From 1951 to 1964, untreated wastewater containing hexavalent chromium was discharged into an area known as the Bat Cave Wash (a dry steambed near the Colorado River). This resulted in a plume of hexavalent chromium contamination in the groundwater beneath the facility which now extends beneath the floodplain adjacent to the Colorado River. The groundwater plume extends under federal property, managed and overseen by the Department of the Interior.

In addition, there are small localized areas within or around the Topock Compressor Station where chromium and hexavalent chromium have been found in shallow soils. These occurrences are related to disposal and handling practices when chromium was used at the site. DTSC anticipates that the localized areas of soil contamination will be addressed by PG&E in the Corrective Measures Study and final remedy.

In November 2008, DOI and DTSC directed PG&E to perform dioxin and furan analyses on soil samples collected from two locations within AOC 4. The sampling activities occurred in December of 2008 and sample results were submitted to DOI and DTSC by PG&E in January 2009. Two samples locations were specified in burn areas along the north slope of the Debris Ravine and the upper debris area. Sample results showed eighteen constituents with maximum concentrations exceeding recognized human health and/or ecological health soil screening levels. In some cases, the maximum concentration significantly exceeds screening levels and sometimes by several orders of magnitude. AOC 4 is located adjacent to and partially on the Refuge managed by USFWS. On June 24, 2009, the Department of the Interior notified PG&E that a Time-Critical Removal Action is necessary to address site conditions at the AOC 4 Debris Ravine, and issued the Action Memorandum by which this determination has been made.

4. Current Phase of Action:

Activities during FY 08/09 involved planning, implementation, and reporting of field activities to complete the RCRA Facility Investigation and Corrective Measures Study, as well as ongoing operation and maintenance of groundwater extraction, treatment and injection at the IM No. 3 facilities.

DTSC continued efforts this fiscal year to complete investigations for characterization of the groundwater plume and soil contamination in the Solid Waste Management Units (SWMUs) and Areas of Concern (AOCs). Phase 1 of Part A

Soil Sampling was completed on October 24, 2008. There were ongoing efforts in the pilot studies for use in the remedial technologies of the Corrective Measures Study.

5. Proposed Site Use (check the appropriate box(es)):

- Commercial/Industrial/Retail Residential (single/Multi-family, Sale/rental product)
 Park or Open Space Schools, Hospitals Day Care Centers or Other Non-Industrial Sensitive Uses

6. List any Technical Problems:

N/A

7. Permits Required/Issued to Date and Pending Permit Issues:

During the 1st Quarter of FY 08/09, PG&E sought approvals from the Burlington Northern Santa Fe Railroad to conduct soil sampling within their right-of-way near the Topock Compressor Station.

On August 28, 2008, the California Regional Water Quality Control Board, Colorado River Basin, issued a revised Monitoring and Reporting Program for treatment and disposal of extracted groundwater from the Interim Measures No. 3 treatment plant at the Topock site.

On November 7, 2008, PG&E received approval from the Havasu National Wildlife Refuge to install groundwater monitoring wells at the East Ravine, located east of the Topock Compressor Station. Field work was scheduled to start in mid January 2009. Under the Streambed Alteration Agreement, a notification was made to the California Department of Fish and Game prior to the start of field work.

8. Deed Restriction/Land Use Control in Place?

Yes

No

Effective Date: _____

9. Engineering Controls (check applicable controls in place):

<input type="checkbox"/>	Air Sparging	<input type="checkbox"/>	Construct Landfill Cell	<input checked="" type="checkbox"/>	Fence Site	<input type="checkbox"/>	Remove Free Product
<input checked="" type="checkbox"/>	Capped Site	<input type="checkbox"/>	Containment Barrier	<input checked="" type="checkbox"/>	In Situ Treatment	<input type="checkbox"/>	Soil Vapor Extraction
<input type="checkbox"/>	Consolidate and Cap	<input type="checkbox"/>	Dual Phase Extraction	<input type="checkbox"/>	Passive Venting	<input type="checkbox"/>	Treatment at Hookup
<input type="checkbox"/>	Passive Vent under Structure	<input type="checkbox"/>	Enhanced Biodegradation	<input type="checkbox"/>	Monitored Natural Attenuation	<input checked="" type="checkbox"/>	Pump and Treat Groundwater

Vent Soil

OTHER (specify):

10. Target Cleanup Levels/Current Contamination Levels:

PG&E is currently completing the RCRA Facility Investigation (RFI) to address historical releases of wastewater from the Topock Compressor Station. The current concentrations of chromium in groundwater at the site range from less than 0.2 ug/L to 14,000 ug/L. DTSC gave conditional acceptance to the RFI Volume 1 (8/15/07) and Volume 2 (2/4/09).

DTSC has identified 20 SWMUs, AOCs, and other undesignated areas recommended for further evaluation in the RFI. In addition, DTSC has identified 9 previously closed SWMUs and AOCs for additional investigation. Most of these SWMUs and AOCs are located within the fenceline of the Topock Compressor Station. Ten of the 29 SWMUs, AOCs, and other undesignated areas are located outside the compressor station fenceline on PG&E and surrounding property. Constituents of potential concern include metals, volatile organic compounds, semi-volatile organic compounds, total petroleum hydrocarbons, and asbestos.

PG&E is implementing an Interim Measure (IM) consisting of groundwater extraction for hydraulic control of the plume boundaries in the Colorado River floodplain and management of extracted groundwater. The groundwater extraction, treatment, and injection systems, collectively, are referred to as Interim Measure Number 3 (IM No. 3). Currently, the IM No. 3 facilities include a groundwater extraction system (four extraction wells: TW-2D, TW-3D, TW-2S, and PE-1), conveyance piping, a groundwater treatment plant, and an injection well field for the discharge of the treated groundwater (two injection wells: IW-2 and IW-3).

11. Ongoing Monitoring (specify timeframes and/or describe "Other"):

Groundwater Air Other Specify: Colorado River Sampling and Monitoring

Groundwater monitoring occurs semiannually, quarterly, monthly, biweekly, and biennially, as follows:

- Sixteen monitoring wells are sampled biennially (every 2 years).
- Thirty monitoring wells are sampled annually.
- Twenty-four monitoring wells are sampled semiannually (twice a year).
- Thirty-three monitoring wells are sampled quarterly
- Six shoreline surface water stations and ten in-channel surface water stations are sampled quarterly (as well as monthly during winter low-river stage conditions).
- Five monitoring wells and two extraction wells on the floodplain are sampled monthly.

The frequencies noted above apply to the Topock groundwater and surface water monitoring program, and do not include other monitoring programs such as for the Interim Measure injection well field or for *in situ* pilot studies or wells sampled in Arizona. DTSC is currently reviewing a revised monitoring network proposal submitted by PG&E on May 29, 2009.

Oversight Agency Costs Reimbursed to Date

DTSC labor expenditure for July 2008 - May 2009 (data for June 2009 is not yet available): DTSC spent 9,507 hours with an oversight cost of \$522,982.95.

12. Additional Comments or Issues – add additional pages as needed (Continued from Section 4)

Specific activities during FY 08/09 to complete the RCRA Facility Investigation and Corrective Measures Study included the following:

RCRA Facility Investigation /Remedial Investigation (RFI/RI) Volume 2 (Hydrogeologic Characterization and Results of Groundwater and Surface Water Investigation

- PG&E submitted final draft on July 2, 2008.
- DTSC requested and facilitated CWG review of the report; and the report was discussed at a CWG conference call on July 16, 2008 and a TWG meeting on August 19, 2008.
- DTSC completed its review on October 21, 2008.
- PG&E prepared and submitted responses to comments on November 11, 2008.
- DTSC and DOI provided final direction to modify the report on December 26, 2008.
- PG&E submitted a redline version of the report to DTSC on January 30, 2009.
- DTSC gave PG&E conditional acceptance of the report on February 4, 2009
- PG&E produced a final version of the report on February 11, 2009

RCRA Facility Investigation /Remedial Investigation (RFI/RI) Volume 2 Addendum (Hydrogeologic Characterization and Results of Groundwater and Surface Water Investigation

- On December 5, 2008, PG&E submitted RFI/RI Volume 2 Addendum. The Addendum contains additional information collected after the close of the RFI/RI Volume 2 data collection effort.
- On February 4, 2009, DTSC submitted our comments, and stakeholder comments, to PG&E
- On March 5, 2009, DTSC submitted a summary table of DTSC's input to PG&E's proposed response to comments to PG&E.
- On March 19, 2009, PG&E submitted a revised Addendum.
- On April 6, 2009, DTSC completed Addendum Comments Review and gave comments on the redlined version of the RFI/RI Volume 2 Addendum.
- On June 8, 2009, PG&E submitted a revised redline Addendum to DTSC.
- On June 23, 2009, DTSC approved the Addendum.

RCRA Facility Investigation/Remedial Investigation Soil Investigation Work Plan, Part A (for additional soil sampling at 10 SWMUs, AOCs and other undesignated areas outside the Topock Compressor Station, as well as additional soil data to augment the existing soil background data set to define concentrations of naturally occurring constituents in soil near the site)

- Field Kick-off meeting was held on August 21, 2008.
- Preliminary phase of field work, including hand sampling, staking and mapping activities occurred in late August 2008.
- Primary phase of field work, including drilling, excavating, and potholing was initiated on September 16, 2008. Field activities were completed on October 24, 2008.

Corrective Measures Study/Feasibility Study (CMS/FS) for Chromium in Groundwater at the Topock Compressor Station

- In July 2008, PG&E and DTSC agreed to begin the CMS.
- A revised schedule for the CMS was presented at the August 20, 2008 CWG meeting.
- DTSC sent PG&E two letters, dated November 8, 2008 and December 5, 2008, respectively, providing direction to PG&E on remedial alternatives to include in the Groundwater CMS/FS Report.
- PG&E submitted the CMS/FS to DTSC on January 27, 2009
- On March 26, 2009, DTSC completed review of the January 2009 Draft CMS/FS. DTSC comments and comments received from CWG members were submitted to PG&E.
- On May 4, 2009, PG&E submitted Part 1 of the responses to DTSC's comments on the January 2009 Draft CMS/FS. DTSC provided preliminary input on the responses on June 16, 2009. DTSC is also preparing responses to stakeholder comments that were directed to the agencies.

Revised East Ravine Groundwater Investigation Work Plan

- On July 24, 2008, DTSC approved the Revised East Ravine Groundwater Investigation Work Plan.
- On November 10, 2008, PG&E received landowner approval for implementation of the work plan.
- Fieldwork began on January 13, 2009 and continued through June 2009.
- Results of this investigation will be presented as an appendix to the CMS/FS Report and later included in RFI/RI Volume 3 Report.

Risk Assessment Work Plan (RAWP)

- On August 27, 2008, PG&E submitted the Revised Human Health and Ecological Risk Assessment Work Plan reflecting DTSC and DOI comments on the previous work plan. DTSC completed its review of this revised work plan on September 30, 2008.
- On October 17, 2008, DTSC provided final comments on the RAWP.
- On December 23, 2008, PG&E submitted an Addendum to the Revised Human Health and Ecological Risk Assessment Work Plan.
- On February 9, 2009, PG&E submitted the Draft Groundwater Risk Assessment.
- On February 14, 2009, DTSC approved the Final RAWP, which is comprised of the Revised RAWP dated August 28, 2008 together with the February 4, 2009 RAWP Addendum.
- DTSC submitted comments on the Draft Groundwater Risk Assessment to PG&E on April 1, 2009.
- PG&E submitted responses to DTSC's comment on the Draft Ground Risk Assessment to DTSC on May 29, 2009.

Proposed approach to phase implementation of the Soil Investigation Work Plan, Part B (for additional soil sampling and groundwater well installation at SWMUs and AOCs inside the Topock Compressor Station)

- On July 17, 2008, PG&E documented the proposed approach to phase implementation.
- A proposal was submitted to DTSC on September 20, 2008. DTSC continues its review of the proposal.

Data Quality Objectives (DQOs) for the soil sampling program for SWMUs and AOCs outside the Topock Compressor Station

- During the 1st Quarter of FY 08/09, DTSC worked with PG&E and DOI to prepare the DQOs.
- Meetings were held on July 22 and September 2, 2008, to prepare Step #5 – Decision Rules, including the development of Step 5 flowcharts.
- On August 5, 2008, PG&E submitted proposed soil screening level tables for use in evaluating data gaps.
- On December 15, 2008, PG&E submitted the "Soil Data Quality Objectives (DQOs) Technical Memorandum" summarizing the DQOs for the soil program. DTSC is current reviewing the technical memorandum.

Soil and Sediment Data Usability Assessment (for use in determining the acceptability of using existing data to evaluate data gaps at SWMUs and AOCs outside the Topock Compressor Station)

On August 29, 2008, PG&E submitted a final assessment addressing comments and direction from DTSC and DOI on the previous assessment.

Wells on the Arizona Shore of the Colorado River at Topock Arizona

On August 14, 2008, PG&E submitted the Installation Report for Wells on the Arizona Shore of the Colorado River at Topock Arizona, summarizing the results of installation and testing of monitoring wells in Arizona. While DTSC is not the lead agency for the investigation, data from the Arizona investigation will be considered in DTSC's approval of the final RFI for the site.

Groundwater Background Study, Steps 3 and 4: Final Report of Results

On July 23, 2008, PG&E submitted the Groundwater Background Study, Steps 3 and 4: Final Report of Results, addressing DTSC and DOI comments on the previous version of the report. DTSC is currently reviewing the report.

Floodplain *In Situ* Pilot Test

- PG&E continued post-test monitoring of the floodplain *in situ* pilot test during FY 08/09.
- PG&E issued monitoring reports for April – June 2008 on July 15, 2008; July – September 2008 on October 15, 2008; October – December 2008 on January 15, 2009; and January – March 2009 on April 15, 2009.

Upland *In Situ* Pilot Study

- PG&E continued implementation of the upland *in situ* pilot study during FY 08/09.
- Reports of monitoring activities were issued on July 15, August 15, September 16, October 15, November 14, and December 15, 2008.
- In 2009, Reports of monitoring activities were issued on January 15, and April 15.

Technical Memorandums during FY 08/09

- *Calculation of Soil Screening Levels for Protection of Groundwater at the PG&E Topock Compressor Station, outlining the methodology to calculate site-specific soil screening levels to be used to evaluate soil data to be collected at SWMUs and AOCs outside the Topock Compressor Station*
 - PG&E submitted to DTSC on August 1, 2008
- *Ecological Comparison Values for Metals and Polycyclic Aromatic Hydrocarbons in Soil for the PG&E Topock Compressor Station, outlining values to be used to evaluate soil data to be collected at SWMUs and AOCs outside the Topock Compressor Station*
 - DTSC completed review on August 8, 2008.
 - PG&E submitted response to comments to DTSC on October 6, 2008.
 - DTSC provided concurrence with the responses to comments on December 23, 2008.
 - On March 17, 2009, PG&E submitted the response to comments to DTSC. DTSC is currently reviewing the responses.
- *Summary of Colorado River Bridge Pier Construction and Hydrogeologic Assessment*
 - PG&E submitted the technical memorandum on October 31, 2008 as requested by DTSC and DOI on September 17, 2008.
- *Soil Background Technical Memorandum providing updated background soil data including data collected in 2008*
 - PG&E submitted to DTSC on December 14, 2008.
 - On March 6, 2009, PG&E submitted a redline revision of the memorandum and response to comments.
 - On May 12, 2009, DTSC provided concurrence on the a redline revision of the memorandum and response to comments.

Additional Sampling Directed

- On April 28, 2009, DTSC directed PG&E to sample five wells (MW-9, MW-10, MW-12, MW-57M, and MW-59) for dioxins/furans.
- On May 15, 2009, DTSC directed PG&E to resample the same five wells.

Groundwater (GW) and Surface Water (SW) Monitoring Program

- Implementation of the GW and SW monitoring program continued throughout FY 08/09.
- Report for April – June 2008 monitoring was submitted to DTSC on August 29, 2008.
- On July 28, DTSC approved modifications to the surface water monitoring program, modifying the sampling frequencies, sampling locations, and analytical parameters (adding unfiltered samples to the existing program of collecting filtered samples).
- The Department of Interior further modified the surface water monitoring program on September 16, 2008, adding an additional sampling location.
- On October 30, 2008, DTSC provided direction to PG&E on the collection of unfiltered surface water analytical data.
- PG&E submitted the 2nd Qt FY 08/09 and Annual Summary GW and SW Monitoring Report to DTSC on March 9, 2009.
- On March 20, 2009, DTSC provided direction to PG&E to discontinue collection of unfiltered surface water analytical data.
- Report for January – March 2009 was submitted to DTSC on May 5, 2009.
- On May 26, 2009, DTSC approved PG&E's proposal to combine further GW and SW Monitoring (GMP) and Performance Monitoring Program (PMP) reports in an effort to streamline the reporting and review of routine documents.

Activities during FY 08/09 related to ongoing implementation of the Interim Measure included the following:

- Continuous operation of the Interim Measure groundwater extraction, treatment, and injection facility continued throughout FY 08/09. Periodic downtimes associated with optimization, maintenance, and repair occurred in conformance with permit conditions.
- PG&E completed required monitoring and reporting of treatment plant operations as required by the Colorado River Basin Regional Water Quality Control Board (Water Board) permit. Monthly IM No. 3 Self Monitoring Reports were submitted in mid-July and mid-August 2008. On August 28, the Water Board issued a revised Monitoring and Reporting Program for treatment and disposal of extracted groundwater from the Interim Measure at the Topock site. Changes to the program included the modification of reporting frequency for the treatment plant from monthly to quarterly. Quarterly IM No. 3 Self Monitoring Reports were submitted on October 15, 2008, January 15, 2009, and April 15, 2009.
- Compliance Monitoring Program activities in the injection well field continued in conformance with DTSC and RWQCB requirements. Quarterly Groundwater Monitoring reports for the Interim Measure Compliance Monitoring Program at the Topock site were submitted on July 14, 2008, October 15, 2008, and April 15, 2009. PG&E proposed modifications to the Compliance Monitoring Program in a letter to DTSC dated July 3, 2008. On October 30, 2008, DTSC approved the proposal to delay submission of the 2008 biannual performance monitoring report and combine it with the CMP report which was submitted on January 15, 2009. On December 12, 2008, DTSC approved PG&E's request to modify the pH range utilized in the contingency plan for the IM3 injection area Compliance Monitoring Program (the new trigger level pH range of 6.2 to 9.2 will be utilized with field pH data).
- Performance Monitoring Program (PMP) activities in the Colorado River floodplain continued in FY 08/09. Quarterly Performance Monitoring Reports and Evaluation for the Interim Measure PMP were submitted to DTSC on August 29, 2008, December 1, 2008 and March 17, 2009, and May 29, 2009. On July 14, 2008, DTSC approved modifications to the collection of hydraulic data in the PMP. On July 17, 2008, DTSC approved modifications to the analytical requirements and to the contingency plan for chromium monitoring in floodplain wells. PG&E documented the approved changes to the PMP in a letter to DTSC dated August 4, 2008. 2008 Annual Performance Monitoring Evaluation Report for the PMP was submitted to DTSC on March 17, 2009.
- On July 14, 2008. PG&E proposed a modification to the extraction system for Interim Measures No. 3. DTSC's CEQA group is currently evaluating PG&E's project description for this proposal.

INSTRUCTIONS FOR COMPLETING A STATUS REPORT

GENERAL: This Status Report form is for use in communicating to Cal/EPA the activities of the Administering Agency and Support Agencies with respect to site investigation and remedial action. A Status Report should be completed following the initial Consultative Work Group meeting. Subsequently, an annual report should be completed each year for the period ending June 30th. A Status Report should also be completed at the end of a designated project. Type or print clearly all requested information in the spaces provided and attach additional pages as necessary to explain or complete your responses. Mail the Status Reports to:

California Environmental Protection Agency
1001 I Street, 25th Floor
Site Designation Committee
Sacramento, CA 95814

- 1. Date of Consultative Work Group Meeting and List of Attendees:** List date(s) of Consultative Work Group Meeting(s) that occurred during the year, including names of attendees followed by agency affiliation in parenthesis. If initial status report, attach summary of the first Consultative Work Group Meeting.
- 2. Recent Public Comment/Participation:** List documents received in the year subject to public comment or public meetings/hearings held and what you did to provide for public participation.
- 3. Describe Known or Potential Areas of Concern:** Describe the site investigative or remedial activities occurring at the site and issues for the year.
- 4. Current Phase of Action under the Site Designation Process**

List current phase of action corresponding to description provided below by assigning a number followed by an appropriate letter, if applicable (i.e. Work Plan Completed denote as level 3D).

<u>Number</u>	<u>Description</u>
1	Administering Agency Designated
2	First Consultative Meeting Completed

3

Levels of Action

- A - Preliminary Site Assessment Completed
- B - Site Investigation Completed
- C - Feasibility Study Completed
- D - Work Plan Completed
- E - Cleanup Alternative Selected and Authorized
- F - Design of Cleanup Alternative Selected
- G - Implementation of Cleanup Alternative (give % complete)
- H - Remediation Completed

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Certificate of Completion Issued
(after concurrence by other interested agencies).

- 5. Proposed Site Use:** Check the appropriate box or boxes which describe the planned use for the site:
(1) Commercial/Industrial/Retail; (2) Residential (single/multi-family, sale/rental product); (3) Park or Open space;
(4) Schools, Hospitals, Day Care Centers or Other Non-residential Sensitive Uses.
- 6. List any Technical Problems:** Describe any technical issues impeding site investigative or cleanup activities.
- 7. Permits Required/Issued to Date and Pending Permit Issues:** List any permits currently being required and/or issued by the Administering or Support Agency. List any permits currently pending approval and any requirements yet to be fulfilled by the Responsible Party.
- 8. Deed Restrictions/Land Use Controls:** Check applicable box and specify the date if the response is "yes."
- 9. Cleanup Levels:** Specify current contamination levels and proposed target cleanup levels for major contaminants.
- 10. Ongoing Monitoring:** Check the appropriate box(es) and/or specify any other type of ongoing monitoring that is in place. Specify approximate timeframes (using months/years) for monitoring, i.e., 11/06 – 1/10
- 11. Oversight Agency Costs Reimbursed to Date:** For the project, list agency, amount reimbursed followed by pending reimbursement in parenthesis, and brief description of services provided by each agency.
- 12. Additional Comments or Issues:** If needed, attach additional sheets to describe any important issues not previously addressed above such as issues discussed at last Consultative Work Group Meeting. In the event the project takes less than a year to complete, there need only be one report completed and submitted at the end of the project. Please attach a copy of any Certificate of Completion and/or closure letter issued when submitting the final report.

**PG&E Topock Compressor Station
Annual Status Report July 2008 – June 2009**

ATTACHMENT A - Dates of Meetings and List of Attendees (Agency)

August 19, 2008 – Geo/Hydro Technical Work Group Face-to-Face Meeting

Attendees: Department of Toxic Substances Control (DTSC) - Chris Guerre, Buck King (via telephone); CA Regional Water Quality Control Board (RWQCB) - Cliff Raley; Pacific Gas and Electric (PG&E) - Bob Doss, Kevin Sullivan, Yvonne Meeks; CH2M Hill (on behalf of PG&E) - Christina Hong, Gerald Vogt, Martin Barackman, Brian Schroth, Julie Eakins (via telephone), Paul Bertucci (via telephone), Serena Lee (via telephone); Lucas Advocates on behalf of PG&E - Bob Lucas; Arcadis (on behalf of PG&E) - Janis Lutrick, Lisa Kellogg; U.S. Bureau of Land Management (BLM) - George Shannon; U.S. Bureau of Reclamation (BOR) - Jeffery Smith; U.S. Department of the Interior (DOI) - Kris Doebbler, Rick Newill; U.S. Geological Survey (USGS) – Peter Martin, Ken Stollenwerk; U.S. Fish and Wildlife Service (USFWS) – Cathy Wolff-White; Metropolitan Water District (MWD) –Eric Fordham; Arizona Dept. of Environmental Quality (ADEQ) – Joey Pace (via telephone); Colorado River Indian Tribes (CRIT) –Michael Tsosie, Nancy Shopay (Envirometrix); Fort Mojave Indian Tribe (FMIT) - Nora McDowell-Antone (via telephone), Courtney Coyle (Legal) (via telephone) Leo Lenske (Hargis & Assoc.) (via telephone), Leo Leonhart – (Hargis & Assoc.)

August 20, 2008 – Consultative Work Group Face-to-Face Meeting

Attendees: DTSC - Watson Gin, Susan Callery, Susan Wilcox, Chris Guerre, Jeanne Matsumoto, Kathie Schievelbein (via telephone), Bill Beckman (via telephone); EDAW - Jamie Cleland, Stev Weidlich; RWQCB - Cliff Raley; SWRCB - Tom Vandenberg (via telephone); Colorado River Board of California (CRB) - Abbas Amirteymoori (via telephone); PG&E - Dave Gilbert, Bob Doss, Yvonne Meeks, Juan Jayo, Glen Caruso, Kevin Sullivan (via telephone); CH2M Hill - Christina Hong, Martin Barackman; Lucas Advocates - Bob Lucas; Arcadis - Lisa Kellogg, Janis Lutrick; BLM - Craig J. Johnson, Becky Heick, George Shannon; BOR - Mark Slaughter; DOI - Kris Doebbler, Casey Padgett, Rick Newill; U.S. Environmental Protection Agency (EPA) - Mitch Kaplan (via telephone); USFWS - Denise Baker, Cindi Hall (via telephone); USGS - Ken Stollenwerk; MWD - Bart Koch; ADEQ - Joey Pace (via telephone); CRIT - Lisa Swick, Michael Tsosie, Nancy Shopay (Envirometrix); FMIT - Nora McDowell-Antone, Luke Johnson, Steven McDonald (Legal Rep.), Courtney Coyle (Legal Rep.), Leo Leonhart (Hargis & Assoc.); Hualapai Indian Tribe – Dawn Hubbs

October 29, 2008 – Topock Leadership Face-to-Face Meeting

Attendees: Charles Wood (Chemehuevi), Shan Lewis, Nora McDowell-Antone (FMIT), Dale Phillips (Cocopah), Daphne Hill-Poolaw, Michael Tsosie (CRIT), Loretta Jackson-Kelly, Dawn Hubbs (Hualapai), William Lodder, Jr., Pamela Innis (USDOI), Bob Howard, Dave Gilbert (PG&E), Robert Perdue (CRWQCB), Amanda Stone (ADEQ), Eddie Rigdon, Bart Koch (MWD)

November 18, 2008 - Geo/Hydro Technical Work Group Face-to-Face Meeting

Attendees: DTSC – Chris Guerre, Aaron Yue, Karen Baker; DOI – Rick Newill; BLM – George Shannon, Catherine Wolff-White; BOR – Mark Slaughter, Jeffery Smith, Ron Simms; USGS – Ken Stollenwerk, Peter Martin; PG&E – Yvonne Meeks, Kevin Sullivan, Curt Russell; CH2M Hill – Christina Hong, Gerald Vogt, Keith Sheets, Martin Barackman; MWD – Bart Koch; Eric Fordham (Geopentech); SAIC/DOI – Dawn Peterson; FMIT – Leo Leonhart (H&A)

November 19, 2008 – Consultative Work Group Face-to-Face Meeting

Attendees: DTSC - Watson Gin, Karen Baker, Aaron Yue, Susan Callery, Chris Guerre, Nancy Long, Maya Akula, Kathie Schievelbein (via telephone), Susan Wilcox (via telephone), Lori Hare (via telephone); EDAW – Stev Weidlich, Leslie Redford (via telephone); CRB – Abbas Amirteymoori (via telephone); PG&E – Dave Gilbert, Yvonne Meeks, Glen Caruso, Bob Doss, Curt Russell, Juan Jayo; CH2M Hill – Martin Barackman, Christina Hong, Serena Lee, Gerald Vogt; Lucas Advocates – Robert Lucas; Arcadis – Lisa Kellogg; BLM – George Shannon, Cathy Wolff-White, Becky Heick, Dawn Peterson (SAIC), Michael Johnson (via telephone); BOR – Mark Slaughter, Jeff Smith; DOI – Pamela Innis, Rick Newill, Melissa Derwart (via telephone); EPA – Steve Armann (via telephone), Mitch Kaplan (via telephone); USFWS – Cindi Hall, Carrie Marr; USGS – Peter Martin; MWD – Bart Koch; ADEQ - Thomas Di Domizio (via telephone); CRIT – Lisa Swick, Nancy Shopay (Envirometrix) (via telephone); FMIT – Nora McDowell-Antone, Leo Leonhart (Hargis & Associates), Steven McDonald (Legal), Courtney Coyle (Legal) (via telephone), Leo Lenske (Hargis & Assoc.) (via telephone)

December 16, 2008 – Topock Leadership Face-To-Face Meeting

Attendees: DTSC – Watson Gin, Nancy Long; PG&E – Bob Howard, Dave Gilbert, Juan Jayo; Arcadis – Lisa Micheletti Cope (note taker); ADEQ – Amanda Stone; CRIT – Nancy Shopay (Envirometrix); DOI – Pam Innis, Casey Padgett, William Lodder; FMIT – Nora McDowell-Antone; Hualapai Indian Tribe – Dawn Hubbs; MWD – Bart Koch

January 22, 2009 – TWG Model Meeting, Face-To-Face

Attendees: DTSC – Chris Guerre, Buck King, Aaron Yue (via telephone); PG&E – Yvonne Meeks; CH2M Hill – Martin Barackman, Brian Schroth, Fritz Carlson; DOI – Rick Newill; USGS – Peter Martin, Ken Stollenwerk; BOR – Jeff Smith; MWD – Bart Koch; FMIT – Nora McDowell-Antone; Luke Johnson, Leo Leonhart (H&A); CRIT – Nancy Shopay (Envirometrix); MWD – Eric Fordham (Geopentech)

January 29, 2009 – Topock Leadership Face-To-Face Meeting

Attendees: Hualapai Indian Tribe – Loretta Jackson; PG&E – Juan Jayo, Bob Howard, Dave Gilbert; MWD – Bart Koch; DTSC – Watson Gin, Nancy Long, Jeanette Sartain (facilitator); FMIT – Nora McDowell-Antone, Steve McDonald (Legal Counsel); DOI – Pam Innis, Casey Padgett; CRIT – Norman Shopay, Nancy Shopay; ADEQ – Amanda Stone

February 10, 2009 – Focused Consultative Work Group Face-to-Face Meeting

Attendees: DTSC – Watson Gin, Karen Baker, Aaron Yue, Chris Guerre, Nancy Long, Michael Eichelberger, Shukla Roy-Semmen, Mona Arteaga Bontty, Jeanne Matsumoto, Christina Fu, Kathie Schievelbein (via telephone), Lori Hare (via telephone); EDAW – Bobbette Biddulph, Leslie Redford, Stev Weidlich, Wendy Broadhead; PG&E – Dave Gilbert, Yvonne Meeks, Bob Doss, Curt Russell, Glenn Caruso, Kevin Sullivan, Adrienne LaPierre (Iris Environmental); CH2M Hill – Martin Barackman, Christina Hong; Lucas Advocates – Robert Lucas; Arcadis – Lisa Cope, Lisa Kellogg (via telephone), Kim Welsh (via telephone); BLM – George Shannon, Cathy Wolff-White (via telephone), Dawn Peterson (SAIC); BOR – Jeff Smith, Mark Slaughter, Valerie Vernier; DOI – Pamela Innis; EPA – Mitch Kaplan (via telephone); USFWS – Carrie Marr, Kevin Reynolds, Cindi Hall (via telephone); MWD – Bart Koch, Eric Fordham (Geopentech); ADEQ – Joey Pace (via telephone); CRIT – Lisa Swick, Michael Tsosie, Nancy and Norman Shopay (via telephone) (Envirometrix); FMIT – Nora McDowell-Antone (via telephone), Luke Johnson, Leo Leonhart (Hargis & Assoc.), Courtney Coyle (Legal) (via telephone), Leo Lenske (Hargis & Assoc.) (via telephone), Michael Sullivan (Toxicologist)

February 11, 2009 – Focused Consultative Work Group Face-to-Face Meeting

Attendees: DTSC – Watson Gin, Karen Baker, Aaron Yue, Chris Guerre, Nancy Long, Michael Eichelberger, Mona Arteaga Bontty, Jeanne Matsumoto, Christina Fu, Kathie Schievelbein (via telephone), Lori Hare (via telephone); EDAW – Jamie Cleland, Stev Wiedlich; RWQCB – Robert Perdue; SWRCB – Tom Vandenberg (via telephone); San Diego County Water Authority (SDCWA) – Denise M. Landstedt; PG&E – Dave Gilbert, Yvonne Meeks, Bob Doss, Curt Russell, Glen Caruso, Juan Jayo, Kevin Sullivan, Adrienne La Pierre (Iris Environmental); CH2M Hill – Martin Barackman, Christina Hong, Julie Eakins, Gerald Vogt; Lucas Advocates – Robert Lucas; Arcadis – Lisa Cope, Lisa Kellogg (via telephone); BLM – George Shannon, Cathy Wolff-White (via telephone), Rebecca Heick, James Renthall, Al Wickline (SAIC), BOR – Jeff Smith, Mark Slaughter; DOI – Pamela Innis, Casey Padgett (via telephone); EPA – Mitch Kaplan (via telephone); USFWS – Carrie Marr, Kevin Reynolds, Cindi Hall (via telephone); USGS – Ken Stollenwerk; MWD – Bart Koch, Eric Fordham (Geopentech); ADEQ – Joey Pace (via telephone); CRIT – Lisa Swick, Michael Tsosie, Nancy Shopay (Envirometrix) (via telephone); FMIT – Nora McDowell-Antone, Felton Bricker, Sr., Linda Otero, Diane Montoya, Paul Jackson, Leo Leonhart (Hargis & Assoc.), Courtney Coyle (Legal) (via telephone), Leo Lenske (Hargis & Assoc.) (via telephone)

March 3, 2009 – Area of Concern 4 Site Discussion

Attendees: DTSC – Aaron Yue, CRIT – Nancy Shopay, BLM – George Shannon, DOI – Pamela Innis, FMIT – Linda Otero, Felton Bricker, Sr., PG&E – Curt Russell, CH2M Hill – Mike Cavalier, Hualapai Indian Tribe – Loretta Jackson-Kelly, USFWS – Cindi Hall

March 12, 2009 – Topock Leadership Meeting

Attendees: Chemhuevi Indian Tribe – Charles Wood; Hualapai Indian Tribe – Loretta Jackson-Kelly; Colorado River Indian Tribes – Michael Tsosie, Nancy Shopay (Consultant), Norman Shopay (Consultant); Fort Mojave Indian Tribe – Nora McDowell-Antone, Linda Otero, Courtney Ann Coyle (Attorney), Steven McDonald (Tribal

Counsel); Aqua Caliente Tribe – Clifford Batten; ADEQ – Amanda E. Stone; PG&E – Bob Howard, Dave Gilbert, Lisa Micheletti Cope (Arcadis); MWD – Eddie Rigdon, Bart Koch; CRWQCB – Robert Perdue; BLM – Rebecca Heick; DOI – Pamela Innis, Casey Padgett; CRB – Abbas Amirteymoori; DTSC – Maureen Gorsen, Karen Baker, Nancy Long, Tom Cota, Amy Hinchee, Jeannette Sartain, Susan Wilcox, Maziar Movassaghi, Mona Arteaga, Ann Carberry, Christina Fu, Jeanne Garcia

May 12, 2009 - Geo/Hydro Technical Work Group Phone Meeting

Attendees: DTSC – Chris Guerre, Aaron Yue; EDAW - Mark Capps (AECOM); P&E – Yvonne Meeks, Kevin Sullivan; CH2M Hill – Martin Barackman, Brian Schroth, Mike Cavaliere; DOI – Pam Innis, Rick Newill; USGS – Peter Martin, Ken Stollenwerk; BOR – Jeff Smith; MWD – Bart Koch; FMIT – Nora McDowell-Antone, Leo Leonhart (H&A); CRIT – Nancy Shopay (Envirometrix)

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**ATTACHMENT B – Consultative Work Group Members and Tribal
Representatives Notified and Invited to Consultative Work Group Meetings**

August 20, 2008 - Consultative Work Group Face-To-Face Meeting

Notified and Invited: Arizona Department of Environmental Quality (ADEQ); California Department of Fish & Game (DFG); California Regional Water Quality Control Board (CRWQCB); Chemehuevi Indian Tribe; Cocopah Indian Tribe; Colorado River Board of California (CRB); Colorado River Indian Tribes (CRIT) and their consultant Envirometrix; Department of Toxic Substances Control (DTSC) and their consultants EDAW and ENSR; Fort Mojave Indian Tribe (FMIT) and their consultants Luce, Forward, Hamilton & Scripps LLP, Held-Palmer House, & Hargis & Associates (H&A); Fort Yuma-Quechan Indian Tribe; Havasupai Indian Tribe; Hualapai Indian Tribe; Metropolitan Water District (MWD) and their consultant Geopentech; Mojave County Department of Public Health (DPH); Office of Historic Preservation (OHP); Pacific Gas & Electric Company (PG&E) and their consultants Latham & Watkins, Lucas Advocates, CH2M Hill, & Arcadis; Parker Indian Health Service (IHS); San Diego County Water Authority (SDCWA); Senator Feinstein's Office; State Water Resource Control Board (SWRCB); Torres-Martinez Desert Cahuilla Indian Tribe; Twenty-Nine Palms Indian Tribe; US Bureau of Indian Affairs; ; US Bureau of Land Management (USBLM) and their consultant Science Application International Corp. (SAIC); U.S. Bureau of Reclamation (US BOR); U.S. Department of the Interior (US DOI); US Environmental Protection Agency (USEPA); U.S. Fish and Wildlife Service (USFWS); US Geological Survey (USGS)

November 19, 2008 - Consultative Work Group Face-To-Face Meeting

Notified and Invited: ADEQ, CA DFG, CRWQCB, Chemehuevi Indian Tribe, Cocopah Indian Tribe, CRB, CRIT and their consultant Envirometrix, DTSC and their consultants EDAW and ENSR; FMIT and their consultants Luce, Forward, Hamilton & Scripps LLP, Held-Palmer House, & H&A, Fort Yuma-Quechan Indian Tribe, Havasupai Indian Tribe, Hualapai Indian Tribe, MWD and their consultant Geopentech, Mojave County DPH, OHP, PG&E and their consultants Latham & Watkins, Lucas Advocates, CH2M Hill, & Arcadis, Parker IHS, SDCWA, Senator Feinstein's Office, SWRCB, Torres-Martinez Desert Cahuilla Indian Tribe, Twenty-Nine Palms Indian Tribe, US Bureau of Indian Affairs, US BLM and their consultant SAIC, US BOR, US DOI, US EPA, USFWS, USGS

February 10-11, 2009 – Focused Consultative Work Group Face-To-Face Meeting

Notified and Invited: ADEQ, CA DFG, CRWQCB, Chemehuevi Indian Tribe, Cocopah Indian Tribe, CRB, CRIT and their consultant Envirometrix, DTSC and their consultants EDAW and ENSR; FMIT and their consultants Luce, Forward,

Hamilton & Scripps LLP, Held-Palmer House, & H&A, Fort Yuma-Quechan Indian Tribe, Havasupai Indian Tribe, Hualapai Indian Tribe, MWD and their consultant Geopentech, Mojave County DPH, OHP, PG&E and their consultants Latham & Watkins, Lucas Advocates, CH2M Hill, & Arcadis, Parker IHS, SDCWA, Senator Feinstein's Office, SWRCB, Torres-Martinez Desert Cahuilla Indian Tribe, Twenty-Nine Palms Indian Tribe, US Bureau of Indian Affairs, US BLM and their consultant SAIC, US BOR, US DOI, US EPA, USFWS, USGS

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**ATTACHMENT C – Technical Hydrogeologic/Geo-Hydro Work Group
Members and Tribal Representatives Notified and Invited to Technical
Hydrogeological/Geo/Hydro Meetings and Other Meetings**

August 19, 2008 – Geo/Hydro Technical Work Group Face-To-Face Meeting

Notified and Invited: Arizona Department of Environmental Quality (ADEQ), California Department of Fish and Game (DFG), California Regional Water Quality Control Board (CRWQCB), Colorado River Board of California (CRB), Colorado River Indian Tribes (CRIT) Consultant Envirometrix, Department of Toxic Substances Control (DTSC), Fort Mojave Indian Tribe (FMIT) reps. Hargis & Associates (H&A) and Held-Palmer House, Metropolitan Water District (MWD) and their consultant Geopentech, Mohave County Department of Public Health (DPH), Pacific Gas & Electric (PG&E) and their consultants CH2M Hill, Science Application International Corp. (SAIC), U.S. Bureau of Reclamation (USBOR), US Environmental Protection Agency (US EPA), U.S. Geological Survey (USGS)

November 18, 2008 – Geo/Hydro Technical Work Group Face-To-Face Meeting

Notified and Invited: ADEQ, DFG, CRWQCB, CRB, CRIT Consultant Envirometrix, DTSC, FMIT reps. H&A and Held-Palmer House, MWD and their consultant Geopentech, Mohave County DPH, PG&E and their consultants CH2M Hill and Lucas Advocates, SAIC, USBOR, US EPA, USGS

January 22, 2009 – Geo/Hydro Technical Work Group Face-To-Face Meeting

Notified and Invited: ADEQ, DFG, CRWQCB, CRB, CRIT Consultant Envirometrix, DTSC, FMIT reps. H&A and Held-Palmer House, MWD and their consultant Geopentech, Mohave County DPH, PG&E and their consultants CH2M Hill and Lucas Advocates, SAIC, USBOR, US EPA, USGS

May 12, 2009 – Geo/Hydro Technical Work Group Face-To-Face Meeting

Notified and Invited: ADEQ, DFG, CRWQCB, CRB, CRIT Consultant Envirometrix, DTSC, FMIT reps. H&A and Held-Palmer House, MWD and their consultant Geopentech, Mohave County DPH, PG&E and their consultants CH2M Hill and Lucas Advocates, SAIC, USBOR, US EPA, USGS