



Linda S. Adams  
Secretary for  
Environmental Protection



## Department of Toxic Substances Control

Maureen F. Gorsen, Director  
5796 Corporate Avenue  
Cypress, California 90630



Arnold Schwarzenegger  
Governor

August 4, 2006

Ms. Laurie Grouard  
California Environmental Protection Agency  
Site Designation Committee  
1001 "I" Street, 25<sup>th</sup> Floor  
Sacramento, California 95814

**DESIGNATED SITE - ANNUAL STATUS REPORT, RESOLUTION NO. 03-03  
PACIFIC GAS & ELECTRIC, TOPOCK COMPRESSOR STATION, NEEDLES, CA,  
92363**

Dear Committee Members:

The Department of Toxic Substances Control (DTSC) has been designated as the Administering Agency for site investigation and remedial actions necessary to respond to the hazardous materials release at the Pacific Gas and Electric, Topock Compressor Station facility located at 15 miles E Needles on I40, Needles, CA, 92363. This designation was issued by Resolution No. 03-03, dated August 11, 2003, pursuant to the provisions of Health and Safety Code, Division 20, Chapter 6.65 "Unified Agency Review of Hazardous Materials Release Sites" (added by Assembly Bill 2061 of 1993).

Attached is the DTSC annual status report dated August 4, 2006. If you have any questions regarding this letter, please contact me at (714) 484-5422.

Sincerely,

*for Karen Baker*  
Aaron Yue, Unit Chief  
Geology, Permitting and Corrective Action Branch

cc: PG&E Consultative Work Group via e-mail

## SITE DESIGNATION - STATUS REPORT

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

Date:  July 24, 2006	Lead Agency:  Department of Toxic Substances Control Geology, Permitting and Corrective Action Branch
Site Name/Address:  Pacific Gas & Electric Topock Compressor Station 15 mi E Needles on I-40 Needles, CA 92363	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):

The Department of Toxic Substances Control (DTSC) and the Consultative Work Group (CWG) conduct face to face meetings approximately once every other month and teleconference calls as frequently as the project warrants.

A list of attendees of the face to face meetings and teleconference calls 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.

### 2. Recent Public Comment/Participation:

Participants at the CWG/TWG meetings and teleconferences included members of the Fort Mojave (FMIT), Cocopah and Fort Yuma-Quechan Indian Tribes, along with members of the Chemehuevi and Colorado River Indian Tribe (CRIT) which are CWG members. Additional Tribal Communication meetings were held on: 8/4/05 - regarding the Ethnographic Study; 12/1/05 - regarding the Cultural Resources Management Plan; 2/16/06 - to introduce tribes to the Ethnographic Study on the area near the Topock Maze; 2/24/06 - to communicate with the CRIT and give an update; 4/18/06 - a planning meeting to evaluate alternative locations for the Proposed Upland In-Situ Pilot Study; 5/26/06 - Tribal scoping meeting on Interim Measures No. 3 Memorandum of Agreement and Cultural Resource Management Plan; and 6/20/06 - Communication and update at the CRIT office.

A fact sheet describing the Interim Measures (IM) No. 3 treatment and injection system was prepared by PG&E and reviewed and approved by DTSC. The July 2005 fact sheet was distributed to tribal representatives and the public during the week of July 18, 2005.

The Topock website was prepared and launched for the public on May 19, 2006 at [www.dtsc-topock.com](http://www.dtsc-topock.com).

In October 2005, DTSC updated the mailing list including elected officials, CWG contacts, repository contacts and Topock postal contacts. During the 4<sup>th</sup> quarter of FY 05/06, DTSC prepared a repository update list for 2005 documents.

A second sampling event for the groundwater background study was conducted in California and Arizona from July 18 to 26, 2005. A total of 36 wells (18 from California and 18 from Arizona) were sampled during this event. On October 11, 2005, DTSC gave conditional approval of the final set of 26 background wells (11 from California and 15 from Arizona), for Step 2 of the Groundwater Background Study. Sampling of the wells was conducted and DTSC provided a summary of results to the well owners on August 9, 2005, September 16, 2005, February 1, 2006, March 23, 2006 and June 7, 2006.

DTSC continued selection of a CEQA contractor for the future Environmental Impact Report.

An updated Draft Public Participation Plan was prepared for the stakeholders in late May. Comments are currently being incorporated and the plan is anticipated to be finalized in late summer 2006.

In an effort to keep the Indian tribes informed, compact discs containing e-mails and attachments that have been provided to the PG&E Consultative Workgroup are mailed to the primary and secondary contacts of the Chemehuevi, Cocopah, CRIT, FMIT, and Fort Yuma-Quechan Indian tribes on a monthly basis.

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 streambed 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 Interior.

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

4. Current Phase of Action:

**3B** - In general, activities during FY 2005/2006 involved planning and implementation of additional field activities to complete the RCRA Facility Investigation and Corrective Measures Study, as well as ongoing operation and maintenance of the groundwater treatment and injection at the IM No. 3 facilities, and expansion of the groundwater extraction system.

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:

Installation of piping and electrical facilities associated with the supplemental extraction well PE-1 in the floodplain involved the approval of multiple government agencies (DTSC, USFWS, and BLM). DTSC provided conditional approval on 10/5/05 and construction was completed on 1/27/06. Upon construction completion, DTSC required PG&E to provide a Biological Resource Completion Report for the PE-1 Pipeline and In-Situ Pilot Study which PG&E submitted on 3/28/06. On 5/12/06, DTSC approved the installation and use of a temporary Reverse Osmosis (RO) treatment unit at the IM No. 3 treatment plant due to substantial repairs needed on the existing RO treatment unit.

DTSC completed a California Environmental Quality Act (CEQA) initial study and mitigated negative declaration for the proposed In-Situ Pilot Study on the Colorado River floodplain. Installation of wells needed to conduct the pilot test was completed by the end of February 2006. The Colorado River Basin Regional Water Quality Control Board (RWQCB) issued Waste Discharge Requirements (WDRs) for PG&E's implementation of the pilot study on 3/23/06.

PG&E worked with the federal agencies and DTSC to obtain permits for the proposed pore water sampling and seepage study (PWSS). The PWSS was conducted in three phases. US Fish and Wildlife Service (USFWS) Havasu National Wildlife Refuge approval to implement the PWSS will involved review of the PWSS work plan and consultation with the ecological services section of the USFWS, to ensure compliance with the federal Endangered Species Act (ESA). A similar process applied to obtain approval from the Bureau of Land Management (BLM) Lake Havasu field office, to implement the PWSS north of the BN&SF railway in the California portion of the river. Also, BLM was the lead agency to conduct government-to-government consultation with the Native American tribes regarding the PWSS. The PWSS Report dated 3/13/06 is currently under DTSC review.

PG&E prepared the Report of Waste Discharge (ROWD) for renewal of the WDRs for injection of treated water in association with Interim Measures No. 3. The ROWD was submitted to the Colorado River Basin RWQCB on 6/8/06. The next Colorado River Basin RWQCB's quarterly hearing is scheduled for September 20, 2006.

PG&E submitted a Notice of Termination to terminate coverage under the State Water Resource Control Board's General Construction Storm Water Permit for IM-3 on 6/30/06.

<b>8. Deed Restriction/Land Use Control in Place?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Effective Date: _____					
<b>9. Engineering Controls (check applicable controls in place):</b>					
<input type="checkbox"/> Air Sparging	<input type="checkbox"/> Construct Landfill Cell	<input checked="" type="checkbox"/> Fence Site	<input type="checkbox"/> Remove Free Product		
<input type="checkbox"/> Capped Site	<input type="checkbox"/> Containment Barrier	<input checked="" type="checkbox"/> In Situ Treatment - <b>Pilot Test Only</b>	<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):			
<b>10. Target Cleanup Levels/Current Contamination Levels:</b>  <p>PG&amp;E is implementing Interim Measure No. 3 (IM No. 3) to address chromium concentrations in groundwater. The current concentrations of chromium in groundwater range from less than 0.2 ug/L to 4,700 ug/L in the floodplain. The goal of IM No. 3 is "hydraulic control of the plume boundaries near the Colorado River to achieve a net reversal of groundwater gradient from the Colorado River". IM No. 3 accomplishes this goal by pumping, treating, and management of extracted groundwater. 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. The maximum capacity of IM No. 3 is treatment of 135 gallons per minute. PG&amp;E is required to maintain a landward hydraulic gradient of at least 0.001 feet per feet (ft/ft) within the lower portion of the Alluvial Aquifer.</p> <p>DTSC has identified 25 Solid Waste Management Units (SWMUs), and Areas of Concern (AOCs) recommended for further evaluation under the Soil RFI. Most of these SWMUs and AOCs are located within the fenceline of the Topock Compressor Station. Approximately 7 of the 25 SWMUs and AOCs are located outside the fenceline on PG&amp;E and surrounding federal property. Constituents of concern include metals, volatile organic compounds, semi-volatile organic compounds, total petroleum hydrocarbons, and asbestos.</p>					
<b>11. Ongoing Monitoring (specify timeframes and/or describe "Other"):</b> <input checked="" type="checkbox"/> Groundwater <input type="checkbox"/> Air <input checked="" type="checkbox"/> Other Specify: <b>Colorado River Sampling and Monitoring</b> Dates: As of June 2006, monitoring occurs semiannually, quarterly, monthly, biweekly, and biennially, as follows: <ul style="list-style-type: none"> <li>• Fourteen groundwater wells are sampled semiannually.</li> <li>• Sixty-two groundwater wells are sampled quarterly.</li> <li>• Twelve groundwater wells on the floodplain are sampled monthly.</li> <li>• Four groundwater wells on the floodplain are sampled biweekly.</li> <li>• One extraction well, one injection well, and two inactive supply wells are sampled biennially.</li> <li>• Nine shoreline surface water stations along the Colorado River are sampled monthly.</li> <li>• Nine depth-specific sampling stations within the Colorado River channel are sampled quarterly (as well as monthly during winter low-river stage conditions).</li> </ul>					
<b>Oversight Agency Costs Reimbursed to Date:</b> DTSC labor expenditure for July 2005 – June 2006: DTSC spent 7,878.25 hours with an oversight cost for FY 05/06 of \$949,438.91.					
<b>12. Additional Comments or Issues – add additional pages as needed</b>  (Continued from Section 4) <ul style="list-style-type: none"> <li>• The goal of Interim Measures No. 3 (IM No. 3) is to prevent further migration of the hexavalent chromium plume toward the Colorado River. Groundwater commissioning and performance acceptance testing for the IM No. 3 treatment plant started on July 17, 2005. At the completion of testing and upon satisfying all conditions required in the July 15, 2005 conditional approval for the start-up and operation of the injection wells associated with IM No. 3, injection of treated water began on July 31, 2005. DTSC received and reviewed documentation with respect to the testing, reporting, and contingencies plans associated with IM-3. PG&amp;E also submitted the IM No. 3 construction completion report to DTSC on October 18, 2005. Approximately 90 gallons per minute (gpm) of contaminated groundwater was extracted the first few months of IM No. 3 operations. Since December 2005, the IM No. 3 system has been operating at full capacity (approximately 135 gallons per minute or over 190,000 gallons per day). Through June 2006, over 84 million gallons of groundwater have been treated by IM No. 2 and 3 resulting in removal of more than 3,000 pounds of chromium from the groundwater. Currently, on average, IM No. 3 treats over 5 million gallons of contaminated water per month. The IM No. 3 system has achieved the goal of maintaining</li> </ul>					

a westward (landward) groundwater gradient away from the Colorado River on the floodplain.

- DTSC gave conditional approval for the Final Installation Work Plan and Design Plan for a second new extraction well, TW-3D, on October 17, 2005. Construction work for the new well commenced on October 20, 2005, followed by pipeline construction work beginning in early November 2005. Extraction well TW-3D began operations on December 20, 2005.
- Groundwater treatment operations at the Interim Measures No. 2 treatment facility (MW-20 bench) were phased out in August 2005 following commencement of groundwater treatment at the IM No. 3 plant.
- On January 6, 2006, DTSC gave approval of a work plan dated November 30, 2005 for installation of additional groundwater wells near the Colorado River floodplain to measure water levels to assess performance of the interim measure to maintain landward gradients. Installation of 17 groundwater wells at 8 locations was completed on March 1, 2006. Due to concentrations of hexavalent chromium and initial field screening results, DTSC instructed PG&E to conduct weekly sampling at two new wells (MW-44-115 and MW-44-125). Weekly sampling was discontinued on May 18, 2006 when PG&E demonstrated statistically that representative samples can be obtained. On May 3, 2006, DTSC provided conditional approval to conduct hydraulic testing of selected wells recently installed.
- DTSC continues to undergo review of the Draft RFI dated February 2005. DTSC worked with the Department of Interior and PG&E on a proposed approach to completing the RFI/Remedial Investigation (RI). The proposed approach is to split the RFI/RI into three volumes; Volume 1 - Background, Volume 2 - Groundwater and Volume 3 - Soil. DTSC reviewed and approved a proposed Table of Contents for a Final Volume 1 and evaluated stakeholder comments on the RFI/RI on December 14, 2005. On May 10, 2006, PG&E began aquifer tests to collect data to be incorporated into the groundwater flow model and reported in the RFI. DTSC completed review of stakeholder comments related to the site history portion of the RFI Report and provided direction to PG&E for completion of the final RFI Report – Volume 1 on July 13, 2006.
- PG&E submitted a work plan for testing of anaerobic core samples collected from the Colorado River floodplain at MW-44 and MW-47. The testing plan is intended to further characterize naturally reducing conditions in the floodplain.
- On January 13, 2006, DTSC informed PG&E that they are required to conduct a Chromium Isotope Study. On March 22, 2006, DTSC gave conditional approval to a Chromium Isotope Study Work Plan submitted by PG&E. PG&E submitted a final work plan for the Chromium Isotope Study on 4/7/06. Phase I sampling for the Study occurred during 5/1 – 5/3/06.
- PG&E commenced preparation of a CEQA Project Description, and Environmental Information Form 1176 at the request of DTSC.
- PG&E submitted portions of the revised Groundwater Model Report on June 2, 2006.
- PG&E submitted an Annual Industrial Storm Water Report for IM-3 Facility to the RWQCB on June 30, 2006.

## 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 30<sup>th</sup>. 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	<u>Levels of Action</u>
	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
4	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 2005 – June 2006**

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

**July 20, 2005 – Technical Hydrogeologic Face-To-Face Meeting**

**Attendees:** Department of Toxic Substances Control (DTSC), Pacific Gas & Electric Company (PG&E), CH2M Hill on Behalf of PG&E, California Regional Water Quality Control Board (CRWQCB), U.S. Geological Survey (USGS) for Department of Interior (DOI)

**July 21, 2005 – Consultative Workgroup Telephone Meeting**

**Attendees:** Norman Shopay, Karen Baker, Aaron Yue, Kate Burger, Mona Arteaga, Derrick Alatorre, Diane Fowler, Nancy Long, Lori Hare (Department of Toxic Substances Control) (DTSC); Liann Chavez (California Regional Water Quality Control Board) (CRWQCB); Catherine George (State Water Resource Control Board) (SWRCB); Barbara Benson, Yvonne Meeks, Robert Knutson, Robert Doss (Pacific Gas & Electric) (PG&E); Martin Barackman, Julie Eakins, Paul Bertucci Teri Herson, Terry Debias, Jay Piper (CH2M Hill on Behalf of PG&E); Robert Lucas (Lucas Advocates on Behalf of PG&E); Mark Howell (U.S. Fish and Wildlife Service) (USFWS); Cathy Wolff-White (U.S. Bureau of Land Management) (USBLM); Jody Sparks (Toxics Assessment Group on behalf of Metropolitan Water District (MWD))

**August 4, 2005 – Ethnographic Study, Topock Cultural Area, AhaMakav Cultural Society:**

**Attendees:** DTSC, DGS on behalf of DTSC, Ethnographic Inquiry, BLM, PG&E, Colorado River Indian Tribe (CRIT), Fort Mojave Indian Tribe (FMIT)

**August 16, 2005 – Technical Workgroup Face-To-Face Meeting**

**Attendees:** DTSC, CH2M Hill for PG&E, CRWQCB, USEPA, ADEQ, USGS for DOI

**August 17, 2005 – Consultative Workgroup Face-To-Face Meeting**

**Attendees:** Karen Baker, Aaron Yue, Kate Burger, Greg Neal, Mike Schum, Mona Arteaga, Derrick Alatorre, Lori Hare (via telephone) (DTSC); Susan Stratton (Department of General Services (DGS) on behalf of DTSC); Sara Morrison (via telephone) (Attorney General's Office on behalf of DTSC); Mitch Kaplan (USEPA); Jose Cortez (via telephone) (CRWQCB); Barbara Benson, Yvonne Meeks, Curt Russell, Robert Knutson, Bob Doss (via telephone) (PG&E); Martin Barackman, Julie Eakins, Dennis Fink (via telephone) (CH2M Hill on Behalf of PG&E); Ken Stollenwerk, Peter Martin (USGS); Casey Padgett (via telephone) (U.S. Department of the Interior) (USDIO); John Earle (USFWS); Sarah Murray, Cathy Wolff-White, Craig Johnson, Jerica Richardson (USBLM);

Dawn Arnold (Science Application International Corp.(SAIC) on behalf of USBLM); Jody Sparks, (via telephone) (Toxics Assessment Group on behalf of MWD); Kristie Kilgore (Arizona Department of Environmental Quality) (ADEQ); Lisa Wanstall (Cocopah Indian Tribe); Linda Otero (FMIT); Courtney Coyle (via telephone) (Legal Rep. on behalf of FMIT); Leo Leonhart (via telephone) (Hargis & Associates on behalf of FMIT); Eddie Williams (Fort Yuma-Quechan Indian Tribe)

**August 18, 2005 – Consultative Workgroup Face-To-Face Meetings**

**Attendees:** Karen Baker, Aaron Yue, Kate Burger, Mona Arteaga, Derrick Alatorre, Lori Hare (via telephone) (DTSC); Jose Cortez (via telephone) (CRWQCB); Barbara Benson, Yvonne Meeks, Curt Russell, Robert Knutson (PG&E); Martin Barackman, Julie Eakins, Paul Bertucci (via telephone) (CH2M Hill on behalf of PG&E); Casey Padgett (USDOL); John Earle (USFWS); Cathy Wolff-White (USBLM); Dawn Arnold (via telephone)(SAIC on behalf of USBLM); Jody Sparks (via telephone) (Toxics Assessment Group on behalf of MWD); Kristie Kilgore (via telephone) (ADEQ); Leo Leonhart (via telephone) (Hargis & Associates on behalf of FMIT); Eddie Williams (Fort Yuma-Quechan Indian Tribe); Rachel Patterson (Mojave County, Department of Public Health) (MCDPH)

**August 24, 2005 – Technical Workgroup Telephone Meeting**

**Attendees:** DTSC, CH2M Hill for PG&E, CRWQCB, USEPA, USGS for DOI, Hargis & Associates on behalf of FMIT

**September 15, 2005 – Consultative Workgroup Telephone Meeting**

**Attendees:** Norman Shopay, Karen Baker, Aaron Yue, Kate Burger, Mike Schum, Mona Arteaga, Lori Hare (DTSC); Mitch Kaplan (USEPA); Barbara Benson, Yvonne Meeks, Bob Doss (PG&E); Martin Barackman, Julie Eakins, Matt Johns (CH2M Hill on behalf of PG&E); John Earle (USFWS); Mike Biever (USBOR); Jody Sparks (Toxics Assessment Group on behalf of MWD); Kristie Kilgore (ADEQ); Courtney Coyle (legal rep. on behalf of FMIT); Bill Golightly & Phil Rosenberg (Hargis & Associates on behalf of FMIT)

**October 18, 2005 – Technical Hydrogeologic Workgroup Face-To-Face Meeting:**

**Attendees:** DTSC, PG&E, CH2M Hill on Behalf of PG&E, USGS, BOR, US BLM, CRWQCB, ADEQ, Hargis & Associates on Behalf of FMIT

**October 19, 2005 – Consultative Workgroup Face-To-Face Meeting**

**Attendees:** Karen Baker, Norman Shopay, Kate Burger, Alfredo Zanolria, Mike Schum, (via telephone), Derrick Alatorre, Mona Arteaga, Diane Fowler, Nancy Long, Michael Eichelberger (via telephone), Lori Hare (via telephone) (DTSC); Mitch Kaplan (via telephone) (USEPA); Liann Chavez, Jose Cortez (via



telephone) (CRWQCB); Yvonne Meeks, Robert Knutson, Curt Russell, Barbara Benson (via telephone) (PG&E); Martin Barackman, Julie Eakins, Kasia Grisso (via telephone), Matt Johns (via telephone), Steven Smith (CH2M Hill on behalf of PG&E); Robert Lucas (Lucas Advocates on behalf of PG&E); Peter Martin, Ken Stollenwerk (USGS); Casey Padgett (via telephone) (USDOI); John Earle (USFWS); Cathy Wolff-White, Sally Murray, Doug Adams (USBLM); Dawn Arnold (SAIC on behalf of BLM); Jeff Smith (USBOR); Jody Sparks (via telephone) (Toxics Assessment Group on behalf of MWD); Kristie Kilgore (ADEQ); Courtney Coyle (Legal Rep. on behalf of FMIT); Rachel Patterson (MCDPH)

**November 7, 2005 – Meeting to Discuss Comments Received by DTSC regarding the Pore Water and Seepage Study Work Plan**

**Attendees:** DTSC, PG&E, CH2M Hill for PG&E

**November 8, 2005 – Consultative Workgroup Telephone Meeting**

**Attendees:** Norman Shopay, Kate Burger, Mike Schum, Diane Fowler, Michael Eichelberger, Lori Hare (DTSC); Jose Cortez (CRWQCB); Yvonne Meeks, Robert Doss, Eric Johnson (PG&E); Martin Barackman, Julie Eakins, Steven Smith, Terry Debias (CH2M Hill on behalf of PG&E); Ken Stollenwerk (USGS); John Earle (USFWS); Cathy Wolff-White (USBLM); Jody Sparks (Toxics Assessment Group on behalf of MWD); Kristie Kilgore (ADEQ); Leo Leonhart (Hargis & Associates on behalf of FMIT)

**November 17, 2005 – Consultative Workgroup Telephone Meeting**

**Attendees:** Norman Shopay, Kate Burger, Mike Schum, Michael Eichelberger, Mona Arteaga, Derrick Alatorre, Nancy Long, Lori Hare (DTSC); Susan Stratton (DGS on behalf of DTSC); Mitch Kaplan (USEPA); Jose Cortez, Liann Chavez (CRWQCB); Yvonne Meeks, Robert Doss, Curt Russell (PG&E); Martin Barackman, Julie Eakins, Steven Smith, Glen Caruso (CH2M Hill on behalf of PG&E); Ken Stollenwerk (USGS); Casey Padgett (USDOI); John Earle (USFWS); Cathy Wolff-White (USBLM); Al Wickline (SAIC on behalf of USBLM); Jody Sparks (Toxics Assessment Group on behalf of MWD); Courtney Coyle (Legal Rep. on behalf of FMIT); Leo Leonhart (Hargis & Associates on behalf of FMIT)

**December 1, 2005 – Meeting with SHPO, BLM, DTSC, PG&E and Tribes in Lake Havasu City**

**Attendees:** DTSC, PG&E: BLM, SHPO/OHP, US DOI, Chemehuevi Indian Tribe, Cocopah Indian Tribe, CRIT, FMIT, Hualapai Indian Tribe, Yavapai-Prescott Indian Tribe

**December 2, 2005 – Telephone Meeting To Discuss “Well Installation Workplan for IM Performance Monitoring Program”**

**Attendees:** DTSC, PG&E, CH2M Hill on behalf of PG&E, USGS, Toxics Assessment Group on behalf of MWD, Mojave County DPH, Held Palmer House and Hargis Associates on behalf of FMIT

**December 14, 2005 – Consultative Workgroup Face-To-Face Meeting**

**Attendees:** Karen Baker, Norman Shopay, Aaron Yue, Mike Schum, (via telephone), Mona Arteaga, Nancy Long (via telephone), Michael Eichelberger (DTSC); Susan Stratton (via telephone) (DGS on behalf of DTSC); Liann Chavez (CRWQCB); Tom Vandenberg (SWRCB); David Gilbert, Curt Russell, Barbara Benson, Robert Doss, Darrell Klingman, Juan Jayo, Glenn Caruso (via telephone), Robert Knutson (via telephone) (PG&E); Martin Barackman, Julie Eakins, Brian Schroth, Kasia Grisso (via telephone), Steven Smith (via telephone) (CH2M Hill on behalf of PG&E); Robert Lucas (Lucas Advocates on behalf of PG&E); Cathy Wolff-White (USBLM), Dawn Arnold (Science Application International Corp. on behalf of USBLM); Jeff Smith (BOR); Casey Padgett (USDOJ); Mitch Kaplan (via telephone) (USEPA); Jack Allen (USFWS); Ken Stollenwerk (USGS); Jody Sparks (via telephone) (Toxics Assessment Group on behalf of MWD); Paul Plato (GeoTrans on behalf of ADEQ); Luke Johnson, Linda Otero (FMIT), Leo Leonhart (via telephone) and Bill Golightly (Hargis & Associates on behalf of FMIT); Rachel Patterson (MCDPH)

**December 15, 2005 – Consultative Workgroup Face-To-Face Meeting**

**Attendees:** Karen Baker, Norman Shopay, Aaron Yue, Mona Arteaga, Michael Eichelberger (DTSC); Tom Vandenberg (SWRCB); David Gilbert, Curt Russell, Barbara Benson, Robert Doss, Darrell Klingman, Juan Jayo (PG&E); Martin Barackman, Julie Eakins, Brian Schroth, Kasia Grisso (via telephone) (CH2M Hill on behalf of PG&E); Robert Lucas (Lucas Advocates on behalf of PG&E); Kevin Sullivan (Montgomery Watson Harza on behalf of PG&E); Cathy Wolff-White (USBLM); Dawn Arnold (SAIC on behalf of USBLM); Jeff Smith (BOR); Mitch Kaplan (via telephone) (USEPA); Jeff Smith (BOR); Mitch Kaplan (via telephone) (USEPA); John Earle (USFWS); Ken Stollenwerk (USGS); Jody Sparks (via telephone) (Toxics Assessment Group on behalf of MWD); Luke Johns (FMIT); Bill Golightly (via telephone) (Hargis & Associates on behalf of FMIT);

**December 29, 2005 – Telephone Meeting to Discuss Pore Water and Seepage Study Workplan:**

**Attendees:** DTSC, PG&E, CH2M Hill on behalf of PG&E, USGS, BLM and their consultants SAIC, BOR

**January 18, 2006 – Consultative Workgroup Telephone Meeting**

**Attendees:** Norman Shopay, Karen Baker, Aaron Yue (last half-hour), Kate Burger, Mona Arteaga, Mike Schum (DTSC); Susan Stratton (DGS on behalf of DTSC); Jose Cortez (CRWQCB); Yvonne Meeks, Dave Gilbert, Barbara Benson, Robert Doss (PG&E); Julie Eakins, Martin Barackman, Kasia Grisso (CH2M Hill on behalf of PG&E); Robert Lucas (Lucas Advocates on behalf of PG&E); Catherine Wolff-

White, Sarah Murray (BLM); Casey Padgett (DOI); Mitch Kaplan (USEPA); John Earle (USFWS); Ken Stollenwerk, Peter Martin (USGS), Dawn Arnold (SAIC on behalf of USGS); Jody Sparks (Toxics Assessment Group on behalf of MWD); Kristie Kilgore (ADEQ); Linda Otero (FMIT), Courtney Coyle (legal rep. on behalf of FMIT)

**February 2, 2006 – Consultative Workgroup Telephone Meeting**

**Attendees:** Norman Shopay, Kate Burger, Mike Eichelberger, Lori Hare (DTSC); Jose Cortez (CRWQCB); Barbara Benson, Eric Johnson (PG&E); Julie Eakins, Martin Barackman, Paul Bertucci (CH2M Hill on behalf of PG&E); Robert Lucas (Lucas Advocates on behalf of PG&E); John Earle (USFWS); Ken Stollenwerk, Peter Martin (USGS); Jody Sparks (Toxics Assessment Group on behalf of MWD); Kristie Kilgore (ADEQ)

**February 14, 2006 – Technical Workgroup Face-To-Face Meeting**

**Attendees:** DTSC, PG&E, CH2M Hill for PG&E, USGS for USDOT, ADEQ, Geotrans on behalf of ADEQ, Hargis and Associates on behalf of FMIT

**February 15, 2006 – Consultative Workgroup Face-To-Face Meeting**

**Attendees:** Norman Shopay, Aaron Yue, Kate Burger, Mona Arteaga, Jeanne Matsumoto, Mike Eichelberger, Mike Schum (via telephone), Alfredo Zanoria (via telephone), Lori Hare (via telephone) (DTSC); Jose Cortez (via telephone) (CRWQCB); Tom Vandenberg (SWRCB); Yvonne Meeks, Barbara Benson, Curt Russell, Robert Knutson, Glenn Caruso, David Gilbert, Bob Doss (via telephone) (PG&E); Julie Eakins, Kasia Grisso, Martin Barackman (CH2M Hill on behalf of PG&E); Robert Lucas (Lucas Advocates on behalf of PG&E); Jim Priest, Mary Adelzadeh (USBLM); Jeff Smith (via telephone) (BOR); Casey Padgett (DOI); Mitch Kaplan (via telephone) (USEPA); John Earle, Carrie Marr (USFWS); Peter Martin (USGS); Dawn Arnold (SAIC on behalf of USGS); Jody Sparks (Toxics Assessment Group on behalf of MWD); Kristie Kilgore (via telephone) (ADEQ); Rick Waddell (GeoTrans on behalf of ADEQ); Linda Otero, Luke Johnson (FMIT); Courtney Coyle (via telephone) (legal rep. on behalf of FMIT); Leo Leonhardt (Hargis and Associates on behalf of FMIT); Eddie Williams (Fort Yuma-Quechan Indian Tribe)

**February 16, 2006 – Meeting to Introduce Tribes to Ethnographic Study on the Area Near the Topock Maze:**

**Attendees:** DTSC, PG&E, BLM, DGS, Indian Tribe Reps.

**February 24, 2006 – CRIT Communication and Update:**

**Attendees:** DTSC, DGS, CRIT

**March 14, 2006 – Focused Technical Discussion – Chromium Isotope Study**

**Attendees:** DTSC, CRWQCB, PG&E and their consultants CH2M Hill, USGS

**March 15, 2006 – Consultative Workgroup Telephone Meeting**

**Attendees:** Norman Shopay, Aaron Yue, Kate Burger, Mona Arteaga, Jeanne Matsumoto, Mike Schum, Lori Hare (DTSC); Liann Chavez (CRWQCB); Tom Vandenberg (SWRCB); Yvonne Meeks, Barbara Benson, Bob Doss, Dave Gilbert (PG&E); Julie Eakins, Martin Barackman (CH2M Hill on behalf of PG&E); Robert Lucas (Lucas Advocates on behalf of PG&E); Cathy Wolff-White, Jim Priest, Mary Andelzadah (USBLM); Casey Padgett (USDOL); Mitch Kaplan (USEPA); John Earle, Carrie Marr (USFWS); Peter Martin (USGS); Dawn Arnold (SAIC on behalf of USGS); Jody Sparks (Toxics Assessment Group on behalf of MWD); Kristie Kilgore (ADEQ); Linda Otero (FMIT), Courtney Coyle (legal rep. for FMIT); Leo Leonhart (Hargis & Associates on behalf of FMIT)

**April 18, 2006 – Technical Workgroup Face-To-Face Meeting**

**Attendees:** DTSC, PG&E and their consultants CH2M Hill and Lucas Advocates, RWQCB, USEPA, USGS for DOI, ADEQ, GeoTrans on behalf of ADEQ, Hargis & Associates for FMIT

**April 18, 2006 – Planning Meeting to Evaluate Alternative Locations for the Proposed Upland In-Situ Pilot Study:**

**Attendees:** DTSC, PG&E, BLM, EDAW, Chemehuevi Indian Tribe, FMIT and their representatives Held Palmer House and Hargis & Associates, Yavapai-Prescott Tribe

**April 19, 2006 – Consultative Workgroup Face-To-Face Meeting**

**Attendees:** Norman Shopay, Karen Baker, Alfredo Zanolis, Aaron Yue, Kate Burger, Mona Arteaga, Jeanne Matsumoto, Richard Coffman (via telephone), Mike Schum (via telephone), Lori Hare (via telephone) (DTSC); Liann Chavez (via telephone) (CRWQCB); Tom Vandenberg (via telephone) (SWRCB); Yvonne Meeks, Barbara Benson, Bob Doss, Curt Russell, Glenn Caruso, Robert Knutson, David Gilbert, Kevin Sullivan (contract engineer for PG&E) (PG&E); Julie Eakins, Martin Barackman, Paul Bertucci, Kasia Grisso, Jim Hartley (CH2M Hill on behalf of PG&E); Robert Lucas (Lucas Advocates on behalf of PG&E); Cathy Wolff-White, Jim Priest, Mary Andelzadah (USBLM); Casey Padgett (via telephone) (USDOL); Mitch Kaplan (via telephone) (USEPA); John Earle, Carrie Marr (USFWS); Ken Stollenwerk (USGS); Dawn Arnold (SAIC on behalf of USGS); Jody Sparks (via telephone) (Toxics Assessment Group on behalf of MWD); Kristie Kilgore (ADEQ); Rick Waddell (GeoTrans on behalf of ADEQ); Linda Otero, Nora McDowell (FMIT); Courtney Coyle (via telephone) (legal rep. for FMIT); Leo Leonhart (Hargis & Associates on behalf of FMIT); Leo Lehmicke (Hargis & Associates on behalf of FMIT); James Cleland (via telephone) (EDAW)

**April 20, 2006 – Consultative Workgroup Face-To-Face Meeting**

**Attendees:** Norman Shopay, Karen Baker, Aaron Yue, Kate Burger, Mona Arteaga, Jeanne Matsumoto, Michael Eichelberger, Mike Schum (via telephone), Lori Hare (via telephone) (DTSC); Liann Chavez (via telephone) (CRWQCB);

Tom Vandenberg (via telephone) (SWRCB); Yvonne Meeks, Curt Russell, Robert Knutson, Kevin Sullivan (PG&E); Julie Eakins, Martin Barackman, Jim Hartley (CH2M Hill on behalf of PG&E); Robert Lucas (Lucas Advocates on behalf of PG&E); Cathy Wolff-White (USBLM); Mitch Kaplan (via telephone) (USEPA); John Earle (USFWS); Ken Stollenwerk (USGS); Dawn Arnold (SAIC on behalf of USGS); Jody Sparks (via telephone) (Toxics Assessment Group on behalf of MWD); Linda Otero (FMIT); Courtney Coyle (via telephone) (legal rep. for FMIT); Leo Leonhart (Hargis & Associates on behalf of FMIT)

**May 8, 2006 - Technical Workgroup Telephone Meeting**

**Attendees:** DTSC, CH2M Hill for PG&E, CRWQCB, USGS for DOI, Hargis & Associates on behalf of FMIT

**May 26, 2006 – Tribal Scoping Meeting – Interim Measures Number 3 Memorandum of Agreement and Cultural Resource Management Plan**

**Attendees:** DTSC, Cocopah, CRIT, FMIT, Fort Yuma Quechan, Hualapai, and Yavapai-Prescott Indian Tribes

**June 20, 2006 – PG&E Topock Communication and Update at CRIT Office:**

**Attendees:** DTSC, CRIT

**June 21, 2006 – Consultative Workgroup Face-To-Face Meeting:**

**Attendees:** Norman Shopay, Karen Baker, Aaron Yue, Watson Gin, Chris Guerre, Kate Burger (via telephone), Mona Arteaga, Jeanne Matsumoto, Michael Eichelberger (via telephone), Nancy Long (via telephone), Lori Hare (via telephone) (DTSC); Liann Chavez (via telephone) (CRWQCB); Yvonne Meeks, Bob Doss, Barbara Benson, Curt Russell, Glenn Caruso (PG&E); Julie Eakins, Martin Barackman, Kasia Grisso, Paul Bertucci (via telephone) (CH2M Hill on behalf of PG&E); Robert Lucas (Lucas Advocates on behalf of PG&E); Cathy Wolff-White, Jim Priest, Mary Adelzadeh (USBLM); Casey Padgett (via telephone), Janet Wong (via telephone) (USDOI); Mitch Kaplan (USEPA); John Earle, Ty J. Benally (USFWS); Peter Martin (via telephone) (USGS); Dawn Arnold (SAIC on behalf of USGS); Eric Fordham (via telephone) (Geopentech on behalf of MWD); Kristie Kilgore (ADEQ); Michael Tsosie, Ginger Swick-Scott (CRIT); Linda Otero, Colleen Garcia, Isadora Evanston (FMIT); Courtney Coyle (via telephone) (legal rep. for FMIT); Leo Leonhart (Hargis & Associates on behalf of FMIT); Eddie Williams, Vernon Smith (Fort Yuma-Quechan Indian Tribe); Rebecca Bramlett (Mojave County DPH)

**PG&E Topock Compressor Station  
Annual Status Report July 2005 – June 2006**

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

**July 21, 2005 – Consultative Work Group Telephone Meeting**

**Notified and Invited:** Department of Toxic Substances Control (DTSC), Department of General Services (DGS), Pacific Gas & Electric (PG&E) and their consultants CH2M Hill, Lucas Advocates, & Latham & Watkins, US Department of the Interior (DOI), US Environmental Protection Agency (USEPA), Senator Feinstein's Office, US Fish and Wildlife Service (USFWS), US Bureau of Reclamation (BOR), California Department of Fish and Game (DFG), State Water Resource Control Board (SWRCB), Region Water Quality Control Board (RWQCB), US Bureau of Land Management (BLM), US Geological Survey (USGS) and their consultants Science Application International Corp. (SAIC), Arizona Department of Environmental Quality (ADEQ), Metropolitan Water District (MWD) and their consultants Toxics Assessment Group and Geopentech, Chemehuevi, Cocopah, Colorado River Indian Tribe (CRIT), Fort Mojave Indian Tribe (FMIT), Fort Yavapai-Prescott, Fort Yuma-Quechan, and Hualapai Indian Tribes, Colorado River Board (CRB), Mohave County Department of Public Health (MCDPH), Indian Health Services (IHS), Office of Historic Preservation (OHP)

**August 17-18, 2005 – Consultative Work Group Face-To-Face Meeting**

**Notified and Invited:** DTSC, DGS, PG&E and their consultants CH2M Hill, Lucas Advocates and Latham & Watkins, USDOI, USEPA, Senator Feinstein's Office, USFWS, US BOR, DFG, SWRCB, RWQCB, US BLM, USGS and their consultants SAIC, ADEQ, MWD and their consultants Toxics Assessment Group and Geopentech, Chemehuevi, Cocopah, CRIT, FMIT, Fort Yavapai-Prescott, Fort Yuma-Quechan, and Hualapai Indian Tribes, CRB, MCDPH, IHS

**September 15, 2005 – Consultative Work Group Telephone Meeting**

**Notified and Invited:** DTSC, DGS, PG&E and their consultants CH2M Hill, Lucas Advocates and Latham & Watkins, USDOI, USEPA, Senator Feinstein's Office, USFWS, US BOR, DFG, SWRCB, RWQCB, US BLM, USGS and their consultants SAIC, ADEQ, MWD and their consultants Toxics Assessment Group and Geopentech, Chemehuevi, Cocopah, CRIT, FMIT, Fort Yavapai-Prescott, Fort Yuma-Quechan, and Hualapai Indian Tribes, CRB, MCDPH, IHS

**October 19, 2005 – Consultative Work Group Face-To-Face Meeting**

**Notified and Invited:** DTSC, DGS, PG&E and their consultants CH2M Hill, Lucas Advocates, Latham & Watkins, and MWH Americas, USDOJ, USEPA, Senator Feinstein's Office, USFWS, US BOR, DFG, SWRCB, RWQCB, US BLM, USGS and their consultants SAIC, ADEQ, MWD and their consultants Toxics Assessment Group and Geopentech, Chemehuevi, Cocopah, CRIT, FMIT and their consultants Hargis & Associates, Fort Yavapai-Prescott, Fort Yuma-Quechan, and Hualapai Indian Tribes, CRB, MCDPH, IHS

**November 8, 2005 – Consultative Workgroup Telephone Meeting**

**Notified and Invited:** DTSC, DGS, PG&E and their consultants CH2M Hill, Lucas Advocates, Latham & Watkins, and MWH Americas, USDOJ, USEPA, Senator Feinstein's Office, USFWS, US BOR, DFG, SWRCB, RWQCB, US BLM, USGS and their consultants SAIC, ADEQ, MWD and their consultants Toxics Assessment Group and Geopentech, Chemehuevi, Cocopah, CRIT, FMIT and their consultants Hargis & Associates, Fort Yavapai-Prescott, Fort Yuma-Quechan, and Hualapai Indian Tribes, CRB, MCDPH, IHS

**November 17, 2005 – Consultative Work Group Telephone Meeting**

**Notified and Invited:** DTSC, DGS, PG&E and their consultants CH2M Hill, Lucas Advocates, Latham & Watkins, and MWH Americas, USDOJ, USEPA, Senator Feinstein's Office, USFWS, US BOR, DFG, SWRCB, RWQCB, US BLM, USGS and their consultants SAIC, ADEQ, MWD and their consultants Toxics Assessment Group and Geopentech, Chemehuevi, Cocopah, CRIT, FMIT and their consultants Hargis & Associates, Fort Yavapai-Prescott, Fort Yuma-Quechan, and Hualapai Indian Tribes, CRB, MCDPH, IHS

**December 14<sup>th</sup> and 15<sup>th</sup>, 2005 – Consultative Work Group Face-To-Face Meeting**

**Notified and Invited:** DTSC, DGS, PG&E and their consultants CH2M Hill, Lucas Advocates, Latham & Watkins, and MWH Americas, USDOJ, USEPA, Senator Feinstein's Office, USFWS, US BOR, DFG, SWRCB, RWQCB, US BLM, USGS and their consultants SAIC, ADEQ, MWD and their consultants Toxics Assessment Group and Geopentech, Chemehuevi, Cocopah, CRIT, FMIT and their consultants Hargis & Associates, Fort Yavapai-Prescott, Fort Yuma-Quechan, and Hualapai Indian Tribes, CRB, MCDPH, HIS, OHP

**December 29, 2005 – Consultative Work Group Telephone Meeting**

**Notified and Invited:** DTSC, DGS, PG&E and their consultants CH2M Hill, Lucas Advocates, Latham & Watkins, and MWH Americas, USDOJ, USEPA, Senator Feinstein's Office, USFWS, US BOR, DFG, SWRCB, RWQCB, US BLM, USGS and their consultants SAIC, ADEQ, MWD and their consultants Toxics Assessment Group and Geopentech, Chemehuevi, Cocopah, CRIT, FMIT and their consultants Hargis & Associates, Fort Yavapai-Prescott, Fort Yuma-Quechan, and Hualapai Indian Tribes, CRB, MCDPH, HIS, OHP

**January 18, 2006 – Consultative Work Group Telephone Meeting**

**Notified and Invited:** DTSC, DGS, PG&E and their consultants CH2M Hill, Lucas Advocates, Latham & Watkins, and MWH Americas, USDOJ, USEPA, Senator Feinstein's Office, USFWS, US BOR, DFG, SWRCB, RWQCB, US BLM, USGS and their consultants SAIC, ADEQ, MWD and their consultants Toxics Assessment Group and Geopentech, Chemehuevi, Cocopah, CRIT, FMIT and their consultants Hargis & Associates, Fort Yavapai-Prescott, Fort Yuma-Quechan, and Hualapai Indian Tribes, CRB, MCDPH, HIS, OHP

**February 2, 2006 – Consultative Workgroup Telephone Meeting**

**Notified and Invited:** DTSC, DGS, PG&E and their consultants CH2M Hill, Lucas Advocates, Latham & Watkins, and MWH Americas, USDOJ, USEPA, Senator Feinstein's Office, USFWS, US BOR, DFG, SWRCB, RWQCB, US BLM, USGS and their consultants SAIC, ADEQ, MWD and their consultants Toxics Assessment Group and Geopentech, Chemehuevi, Cocopah, CRIT, FMIT and their consultants Hargis & Associates, Fort Yavapai-Prescott, Fort Yuma-Quechan, and Hualapai Indian Tribes, CRB, MCDPH, HIS, OHP

**February 15, 2006 – Consultative Workgroup Face-To-Face Meeting**

**Notified and Invited:** DTSC, DGS, PG&E and their consultants CH2M Hill, Lucas Advocates, Latham & Watkins, and MWH Americas, USDOJ, USEPA, Senator Feinstein's Office, USFWS, US BOR, DFG, SWRCB, RWQCB, US BLM, USGS and their consultants SAIC, ADEQ, MWD and their consultants Toxics Assessment Group and Geopentech, Chemehuevi, Cocopah, CRIT, FMIT and their consultants Hargis & Associates, Fort Yavapai-Prescott, Fort Yuma-Quechan, and Hualapai Indian Tribes, CRB, MCDPH, HIS, OHP

**March 15, 2006 – Consultative Workgroup Face-To-Face Meeting**

**Notified and Invited:** DTSC, DGS, PG&E and their consultants CH2M Hill, Lucas Advocates, Latham & Watkins, and MWH Americas, USDOJ, USEPA, Senator Feinstein's Office, USFWS, US BOR, DFG, SWRCB, RWQCB, US BLM, USGS and their consultants SAIC, ADEQ, MWD and their consultants Toxics Assessment Group and Geopentech, Chemehuevi, Cocopah, CRIT, FMIT and their consultants Hargis & Associates, Fort Yavapai-Prescott, Fort Yuma-Quechan, and Hualapai Indian Tribes, CRB, MCDPH, HIS, OHP

**April 19 & 20, 2006 – Consultative Workgroup Face-To-Face Meeting**

**Notified and Invited:** DTSC, DGS, PG&E and their consultants CH2M Hill, Lucas Advocates, Latham & Watkins, and MWH Americas, USDOJ, USEPA, Senator Feinstein's Office, USFWS, US BOR, DFG, SWRCB, RWQCB, US BLM, USGS and their consultants SAIC, ADEQ, MWD and their consultants Toxics Assessment Group and Geopentech, Chemehuevi, Cocopah, CRIT, FMIT and their consultants Hargis & Associates, Fort Yavapai-Prescott, Fort Yuma-Quechan, and Hualapai Indian Tribes, CRB, MCDPH, HIS, OHP



**June 21, 2006 – Consultative Work Group Face-To-Face Meeting:**

**Notified and Invited:** DTSC, DGS, PG&E and their consultants CH2M Hill, Lucas Advocates, Latham & Watkins, and MWH Americas, USDOJ, USEPA, Senator Feinstein's Office, USFWS, US BOR, DFG, SWRCB, RWQCB, US BLM, USGS and their consultants SAIC, ADEQ, MWD and their consultants Toxics Assessment Group and Geopentech, Chemehuevi, Cocopah, CRIT, FMIT and their consultants Hargis & Associates, Fort Yavapai-Prescott, Fort Yuma-Quechan, and Hualapai Indian Tribes, CRB, MCDPH, HIS, OHP

**PG&E Topock Compressor Station  
Annual Status Report July 2005 – June 2006**

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

**July 20, 2005 – Technical Hydrogeologic Face-To-Face Meeting**

**Notified and Invited:** Department of Toxic Substances Control (DTSC), US Environmental Protection Agency (USEPA), Arizona Department of Environmental Quality (ADEQ), US Bureau of Land Management (BLM), US Bureau of Reclamation (BOR), US Geological Survey (USGS) and their consultants Science Application International Corp. (SAIC), Pacific Gas & Electric (PG&E) and their consultants CH2M Hill and, MWH Americas, Regional Water Quality Control Board (RWQCB), Metropolitan Water District (MWD) and their consultants Toxics Assessment Group and Geopentech, Mohave County Department of Health (MCDPH), Colorado River Board (CRB), Indian Health Services (IHS)

**August 4, 2005 – Ethnographic Study, Topock Cultural Area, AhaMakav Cultural Society Ethnographic Inquiry:**

**Notified and Invited:** DTSC, DGS, Ethnographic Inquiry, BLM, PG&E, IHS, OHP, Chemehuevi Tribe, Cocopah Indian Tribe, CRIT, FMIT and their representatives Held Palmer House and Hargis & Associates, Fort Yuma-Quechan Tribe, Havasupai Indian Tribe, Hualapai Indian Tribe, Torres-Martinez Indian Tribe, Twenty-Nine Palms Indian Tribe and Yavapai-Prescott Indian Tribe

**August 16, 2005 – Technical Workgroup Face-To-Face Meeting**

**Notified and Invited:** DTSC, USEPA, ADEQ, US BLM, USBOR, USGS and their consultants SAIC, PG&E and their consultants CH2M Hill and MWH Americas, RWQCB, MWD and their consultants Toxics Assessment Group and Geopentech, MCDPH, CRB, IHS:

**August 24, 2005 – Technical Workgroup Telephone Meeting**

**Notified and Invited:** DTSC, USEPA, ADEQ, US BLM, USBOR, USGS and their consultants SAIC, PG&E and their consultants CH2M Hill and MWH Americas, RWQCB, MWD and their consultants Toxics Assessment Group and Geopentech, MCDPH, CRB, IHS:

**October 18, 2005 – Technical Hydrogeologic Workgroup Face-To-Face Meeting**

**Notified and Invited:** DTSC, USEPA, ADEQ, US BLM, USBOR, USGS and their consultants SAIC, PG&E and their consultants CH2M Hill and MWH

Americas, RWQCB, MWD and their consultants Toxics Assessment Group and Geopentech, MCDPH, CRB, IHS, Hargis & Associates on behalf of FMMIT

**November 7, 2005 – Meeting to Discuss Comments Received by DTSC Regarding the Pore Water and Seepage Study Work Plan:**

**Notified and Invited:** DTSC, DGS, PG&E and their consultants CH2M Hill, Lucas Advocates, Latham & Watkins, and MWH Americas, Inc., US DOI, US EPA, Senator Feinstein's Office, USFWS, USBOR, California DFG, SWRCB, RWQCB, US BLM, USGS and their consultants SAIC, ADEQ, MWD and their consultants Toxics Assessment Group and Geopentech, Chemehuevi Indian Tribe, Cocopah Indian Tribe, CRIT, FMIT and their consultants Hargis & Associates, Fort Yavapai-Prescott Indian Tribe, Fort Yuma-Quechan Indian Tribe, Hualapai Indian Tribe, CRB, MCDPH, HIS, OHP

**December 1, 2005 – Meeting with SHPO, BLM, DTSC, PG&E and Tribes in Lake Havasu City:**

**Notified and Invited:** DTSC, PG&E, BLM, SHPO, DOI, and all nine tribes' (Chemehuevi, Cocopah, CRIT, FMIT, Fort Yuma-Quechan, Havasupai, Hualapai, Torres-Martinez, Twenty-Nine Palms & Yavapai-Prescott) Chairs, President, Cultural Resources staff and Elders were invited.

**February 14, 2006 – Technical Workgroup Face-To-Face Meeting**

**Notified and Invited:** DTSC, US EPA, ADEQ, USGS and their consultants SAIC, US BOR, PG&E and their consultants CH2M Hill and MWH Americas, RWQCB, DFG, MWD and their consultants Toxics Assessment Group and Geopentech, FMIT and their representatives Held Palmer House and Hargis and Associates, MCDPH, CRB, HIS

**February 16, 2006 – Meeting to Introduce Tribes to Ethnographic Study on the Area Near the Topock Maze:**

**Notified and Invited:** DTSC, BLM, PG&E, IHS, OHP, Chemehuevi, Cocopah, CRIT, FMIT and their representatives Held Palmer House and Hargis & Associates, Fort Yuma-Quechan, Havasupai, Hualapai, Torres-Martinez, Twenty-Nine Palms, and Yavapai-Prescott Indian Tribes

**March 14, 2006 – Focused Technical Discussion – Chromium Isotope Study**

**Notified and Invited:** DTSC, DGS, PG&E and their consultants CH2M Hill, Lucas Advocates, Latham & Watkins, and MWH Americas, Inc., Senator Feinstein's Office, USFWS, USBOR, CDFG, SWRCB, USBLM, USGS and their consultants SAIC, ADEQ, MWD and their consultants Toxics Assessment Group and Geopentech, Chemehuevi, Cocopah, CRIT, FMIT and their representatives Held Palmer House and Hargis & Associates, Fort Yavapai-Prescott, Yuma-Quechan, and Hualapai Indian Tribes, CRB, MCDPH, Parker Indian Center, HIS, OHP

**April 18, 2006 – Technical Workgroup Face-To-Face Meeting**

**Notified and Invited:** DTSC, USEPA, ADEQ, USGS and their consultants SAIC, USBOR, PG&E and their consultants CH2M Hill and MWH Americas, RWQCB, DFG, MWD and their consultants Toxics Assessment Group and Geopentech, FMIT and their representative Held & Palmer House and Hargis & Associates, MCDPH, CRB, IHS

**April 18, 2006 – Planning Meeting to Evaluate Alternative Locations for the Proposed Upland In-Situ Pilot Study:**

**Notified and Invited:** DTSC, BLM, PG&E, HIS, OHP, Chemehuevi, Cocopah, CRIT, FMIT and their representatives Held Palmer House and Hargis & Associates, Fort Yuma-Quechan, Havasupai, Hulapai, Torres-Martinez, Twenty-Nine Palms, and Yavapai-Prescott Indian Tribes

**May 8, 2006, 2006 – Technical Workgroup Telephone Meeting**

**Notified and Invited:** DTSC, USEPA, ADEQ, USGS and their consultants SAIC, USBOR, PG&E and their consultants CH2M Hill and MWH Americas, RWQCB, DFG MWD and their consultants Toxics Assessment Group and Geopentech, FMIT representatives Held Palmer House and Hargis & Associates, MCDPH, CRG, HIS

**May 26, 2006 – Tribal Soping Meeting:**

**Notified and Invited:** DTSC, BLM, PG&E, HIS, OHP, Chemehuevi, Cocopah, CRIT, FMIT and their representatives Held Palmer House and Hargis & Associates, Fort Yuma-Quechan, Havasupai, Hulapai, Torres-Martinez, Twenty-Nine Palms and Yavapai-Prescott Indian Tribes

**June 20, 2006 – PG&E Topock Communication and Update at CRIT Office:**

**Notified and Invited:** DTSC, CRIT