

SITE DESIGNATION - STATUS REPORT

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

Date: 07/26/19	Lead Agency: Department of Toxic Substances Control Office of Geology
Site Name/Address: PG&E Topock Compressor Station Needles, CA	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) conducted face-to-face meetings and teleconference calls as frequently as the project warranted. During FY 18/19, face-to-face meetings were held on December 5, 2018 and April 3, 2019. The Geo/Hydro Technical Subcommittee (TWG) of the CWG also meets periodically. During FY 18/19, a face-to-face TWG meeting was held on May 7, 2019. The Clearinghouse Task Force (CTF) held face-to-face meetings on August 21, 2018, October 16, 2018, December 4, 2018, and May 7, 2019. In addition, the CTF also held phone conferences on July 17, 2018, January 8, 2019, and March 5, 2019.

The Topock Leadership Partnership (TLP) met on September 18-19, 2018 in Lake Havasu City, Arizona prior to commencement of the Groundwater Remedy construction. The meeting was attended by leaders from DTSC, DOI, MWD, RWQCB, CRB and Interested Indian Tribes.

Participants at the CWG meetings included members of local, state and federal government stakeholder agencies, as well as representatives of the Chemehuevi Indian Tribe (CIT), Cocopah Indian Tribe, Colorado River Indian Tribe (CRIT), Fort Mojave Indian Tribe (FMIT), Fort Yuma-Quechan Indian Tribe, and Hualapai Indian Tribe. Each meeting agenda and significant issues from previous consultative meetings were provided to all participants.

A list of attendees of face-to-face meetings held during FY 18/19 is provided as Attachment A. A list of all CWG Members and Tribal Representatives notified and invited to attend the CWG and TWG meetings is provided as Attachment B. A list of everyone notified and invited to attend Sub-Committee meetings, such as the Clearinghouse Task Force, is provided as Attachment C.

2. Recent Public Comment/Participation:

Information Repositories and Topock Website

DTSC maintains three project repositories in California at Needles, Havasu Lake (within the Chemehuevi Indian Reservation), and Cypress. In addition, DTSC maintains three duplicate repositories in Arizona at Golden Shores, Lake Havasu, and one in Parker (within the Colorado River Indian Tribes Library). Information repository compact discs (cdfs) were prepared and delivered each quarter during FY 18/19 containing the previous quarter's information. The annual Topock information repositories audit occurred November 28-29, 2018. DTSC completed the 2018 Information Repository Visit report on April 8, 2019.

During each quarter of FY 18/19, DTSC also updated the DTSC Topock Project website with documents from the previous quarter.

Community Outreach

DTSC updated the Community Outreach Plan (COP) in May 2019. The COP is circulated to the Tribes and all interested parties. The revised COP is available on-line at the DTSC Topock Project website and the repositories. The COP informs the public and Tribes of the project, and outlines DTSC's outreach process, contact information and community interests.

A Construction-Phase Project Initiation Meeting was held on October 2, 2018. Six-week look ahead construction schedules were sent weekly to agencies and stakeholders throughout the fiscal year.

An information kiosk and a fugitive dust sign required by Mojave Desert Air Quality Management District (MDAQMD) were installed during the first quarter of FY 18/19.

During the second quarter of FY 18/19, PG&E set up a Public Information Office (PIO) trailer at the northeast corner of Park Moabi Road and National Trails Highway. The PIO trailer serves as a welcome center for any interested party to learn about the PG&E Topock site investigation and cleanup project.

PG&E also circulated a noise mitigation notice to tribes and sensitive noise receptors (Park Moabi Mobile Home Park, Topock Marina Mobile Home Park, and Topock Area Residents) identified in the SEIR. The notice provides information on the proposed noise generating activities that would take place (such as drilling of well in Arizona) and it provides contact information for noise concerns or complaints.

Tribal Outreach

DTSC attended Environmental Release to Construction (ERTC) field walks conducted by PG&E and attended by Indian Tribes on July 19, 2018, August 8, 2018, September 25, 2018, November 1, 2018, December 20, 2018, and January 3, 2019.

On August 7, 2018, DTSC and DOI met with tribes to discuss construction oversight approach and visitor management for tribal monitors.

On August 21, 2018, DTSC met with tribes regarding comments on the proposed CUL-5 Funding application by the tribes and potential revised language based on comments received.

On August 28, 2018, DTSC and PG&E met with the FMIT, CIT, TRC, and CRIT for the Construction Workshop at the El Garces Hotel in Needles. PG&E provided a general description of activities that will take place during construction and safety protocols to be observed.

On August 29, 2018, DTSC and PG&E met with the FMIT, CIT, CRIT, Cocopah, and Fort Yuma-Quechan Indian Tribe for the Tribal Monitor Safety Training Workshop in Needles.

DTSC began tribal and community interviews in August 2018 for the Community Outreach Plan Update.

On October 2, 2018, DTSC conducted a Groundwater Remedy Phase I Construction project initiation meeting which was attended by Indian Tribes. Construction began on the same day.

On March 13, 2019, DTSC and PG&E met with the FMIT, CIT, Hualapai, and Cocopah Indian Tribes for a field meeting on potential noise monitoring locations to be used in accordance with the noise monitoring specified in the SEIR for the noise mitigation measure during installation of wells MW-X and MW-Y.

On June 20-21, 2019, DTSC, DOI, PG&E and BLM met with Indian Tribes at the El Garces Historic Train Depot in Needles for comment resolution on the Soil Human Health and Ecological Risk Assessment (HHERA). DTSC also held a separate Tribal consultation meeting on the HHERA during the morning of June 20, 2019 prior to the comment resolution meeting.

DTSC also attends the bi-monthly face-to-face Cultural and Historic Properties Management Plan (CHPMP) meetings hosted by the BLM and DOI with the interested Tribes. During FY 18/19 CHPMP meetings were held on August 7, 2018, October 16, 2018, December 3, 2018, February 5, 2019, April 2, 2019, and June 4, 2019.

An annual Site Condition Assessment pursuant to a cultural resource protection mitigation measure adopted in the SEIR was conducted with the Tribes on November 7 through November 9, 2018. The assessment records and observes the condition of identified cultural archaeological sites near the project area and documents any observable impacts annually.

Topock Site Mailing List Update

DTSC continued to maintain the mailing list throughout FY 18/19 by updating it with new information as needed.

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 localized areas within or around the Topock Compressor Station (TCS) where chromium, hexavalent chromium, and other compounds (such as other metals, semi-volatile organic compounds, asbestos), have been found in 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 in the soil Corrective Measures Study (CMS) and final remedy.

The majority of the potential and known areas of concern are situated on lands either owned by PG&E or DOI (managed by the BLM and the U.S. Fish and Wildlife Service). Some Native American Tribes have significant cultural and religious affiliations with the landscape. The entire project area has been designated by BLM as a Traditional Cultural Property of the Mohave people. The project site also includes habitat that supports a diverse biological ecology including several fully protected species.

4. Current Phase of Action: Groundwater Phase at 3G with approximately 25% construction completion. Soil Phase at 3B pending completion of RCRA Facility Investigation Report and Risk Assessment.

Groundwater Remedy

- Construction of the Groundwater Remedy began on October 2, 2018. DTSC provided oversight of the construction throughout the fiscal year. Six-week look-ahead schedules are sent weekly to agencies and stakeholders.
- Prior to Construction of the Groundwater remedy, PG&E collected baseline soil samples at the construction headquarters, soil processing yard areas, and remedy well locations, as well as 7 opportunistic soil samples. Several remediation wells, conduits, piping and pilot boreholes were drill and installed. PG&E also began hydrostatic testing of pipelines installed in the floodplain. Security fencing was installed at the construction headquarters and the area is used for staging of construction materials and equipment.
- Construction of support facilities is ongoing. Examples of support facilities that were completed include traffic controls on National Trails Highway, a temporary construction water system, the access road to the construction headquarters, and a containment pad for truck loading and unloading of remedy wastewater at the Topock Compressor Station ponds.
- During the 3rd Quarter of FY 18/19, PG&E received a pipeline license from BNSF and an encroachment permit from Cal Trans to install remedy infrastructure in their Right of Ways.
- Seven Work Variance Requests for the Groundwater Remedy Phase I were submitted for DTSC approval during FY 18/19. Work Variance Requests are used to document necessary and significant deviations from the approved design.
- On September 27, 2018, the Bureau of Land Management issued the Final *Cultural and Historic Properties Treatment Plan for Groundwater Remediation the Topock Compressor Station Remediation Project, San Bernardino County, California, and Mohave County, Arizona* (CHPTP) dated August 2018, The CHPTP addresses mitigation measures based on requirements of the California Department of Toxic Substances (DTSC) (per California Environmental Quality Act, CEQA) and the BLM in compliance with the Programmatic Agreement (PA revised 2017) Sections VII.A and B, and the 2014 Cultural and Historic Properties Management Plan (CHPMP) Chapter 6 to resolve or minimize adverse effects of the Groundwater Remedy activities on historic properties in the Area of Potential Effects (APE) and the CEQA associated Subsequent Environmental Impact Report's Project Area.

Soil Investigation EIR

- DTSC and DOI concurred with PG&E to begin the soil risk evaluation process on June 20, 2017. The Draft Soil Human Health and Ecological Risk Assessment Report (Soil HHERA) was submitted electronically to agencies on September 10, 2018 and a WebEx meeting was held on September 26, 2018 to orient reviewers on the report. On October 17, 2018, DTSC and DOI granted a request to extend the 60-day review period of the Soil HHERA an additional 30 days, making the review completion date December 10, 2018. On December 17, 2018, DTSC informed PG&E that an additional week was given for the review of the Soil HHERA, making the due date December 17, 2018 for stakeholder comments. DTSC provided comments on the Soil HHERA,

- monthly in 4 river shoreline locations, 2 other surface water monitoring locations, and 10 in-channel river locations during low river periods in winter,
- quarterly in 22 wells, 4 river shoreline locations, 2 other surface water monitoring locations, and 10 in-channel river locations,
- semiannually in 101 wells, 4 river shoreline locations, 2 other surface water monitoring locations, and 10 in-channel river locations,
- annually in 142 wells, 4 river shoreline locations, 2 other surface water monitoring locations, and 10 in-channel river locations, and
- biennially in 146 wells, 4 river shoreline locations, 2 other surface water monitoring locations, and 10 in-channel river locations,

The frequencies noted above apply to the Topock groundwater and surface water monitoring program, and do not include other monitoring programs such as the Compliance Monitoring Program (CMP) for the interim measure.

Oversight Agency Costs Reimbursed to Date: DTSC labor expenditures for July 2018 – June 2019: DTSC spent 4,856 hours with an oversight cost of approximately \$1,074,155.00.

12. Additional Comments or Issues – add additional pages as needed

(Continued from Section 4)

Biological Surveys/Plants

- In November 2018, 163 sensitive plants were relocated to a preapproved area off National Trails Highway. A few additional plants were transplanted in December 2018. These plants are watered weekly for best possible opportunity of survival.
- Pre-construction biological surveys were performed in compliance with the SEIR mitigation measures.
- Bird monitoring/survey and biological clearance are conducted throughout remedy construction in accordance with the requirements of the Bird Impact Avoidance and Minimization Plan and the SEIR biological mitigation measures.

Wells

- On July 27, 2017, PG&E submitted a response to DTSC's March 13, 2017 GSU Memorandum regarding the issue of salinity stratification in monitoring wells. DTSC provided a response on November 1, 2017. PG&E prepared a response that included salinity graphs for every monitoring well at the site on October 26, 2018. Additional profiles were submitted on December 7, 2018 in a letter for MW-23 per DTSC's request. DTSC continues to monitor the sampling results in wells to ensure proper hydrologic interpretation.
- DTSC understands that there might be several historic wells install at and near PG&E, but without documented decommissioning information. On March 30, 2018, PG&E submitted a Work Plan to locate Historical Water Supply Well pursuant to DTSC's request in a September 27, 2016 letter requesting historical well Information at Pacific Gas and Electric Company. On June 13, 2018, the Geological Services Unit (GSU) of the DTSC provided comments to the work plan. A revised work plan was submitted to DTSC on April 26, 2019. DTSC provided concurrence on May 16, 2018 to implement the workplan to search for the historical wells.
- On May 3, 2019, PG&E submitted a draft work plan for installation of a new monitoring well in Arizona. This work plan is required by the SEIR Mitigation Measure HDRO-6a. The U.S. BLM will conduct Federal consultation with the Tribes on the proposed well location.

Monitoring Programs

- PG&E requested reduction of extraction at one extraction well in the floodplain for Interim Measure due to low concentration of hexavalent chromium at extraction well PE-1 on the floodplain. With DTSC's conditional approval and subsequent conditional approval of new gradient well pairs to measure the effectiveness of the interim measure on August 18, 2017, operation of extraction well PE-1 is only ran to collect a sample. PG&E continues to submit monthly snapshots of IM3 Pumping regime and hydraulic performance. Monitoring results continue to support the success of the interim measure. All target gradient exceeded the 0.001 ft/ft requirement.
- PG&E is implementing the EIR Mitigation Monitoring and Reporting Program requirements in the Groundwater SEIR and Soil Investigation EIR. PG&E has been submitting quarterly compliance reports. Reports were submitted on July 31, 2018, October 31, 2018, January 31, 2019, and April 30, 2019. These reports are available on the DTSC Topock project website.
- Implementation of the groundwater and surface water monitoring program continued during FY 18/19. Groundwater monitoring events were completed in October 2018, December 2018, February 2019, and May 2019.
- Submission of monthly progress reports of the construction activities began in November 2018: Previous month's progress reports were submitted on November 9, 2018, December 10, 2018, January 10, 2019, February 9, 2019, March 10, 2019, April 10, 2019, May 10, 2019, and June 10, 2019. Monthly progress reports are to be submitted by the 10th of each month.
- Dust monitoring during construction is required by the Groundwater Remedy SEIR mitigation measures. Real time dust monitoring events are being conducted at the perimeter of the work areas (outside of the exclusion zone). Exceedances of the action level for fugitive dust monitoring (100ug/m3) occurred on April 29, 2019 during high wind in the floodplain. The monitoring technician attributed the spike in dust level to a burst of sand lifted by high wind in the vicinity of the monitoring location, and not to the project activities. Water was applied by the field crew to their immediate work area prior to the high wind event. On May 15, 2019, there were two temporary exceedances during Pipeline C installation in the floodplain. In both instances, construction equipment drove on sand and generated visible dust.
- Noise monitoring is conducted at pre-approved locations closest to the construction activities. Over 45 monitoring events were conducted on a monthly basis. To date, there have been no complaints resulting from project construction-related noise. Noise measurements at one well drilling location (MW-N) indicated sound levels exceeded standards. Temporary sound barrier was installed around the MW-N drilling activities, consistent with SEIR mitigation measure NOISE-2. Monitoring will continue during the construction activities.
- The Annual Site Conditions Assessment occurred November 7-9, 2018 and was attended by DTSC. The draft Annual Site Conditions report was submitted on December 31, 2019. The Final Annual Site Conditions Assessment report was submitted on April 30, 2019.

Mandatory Training Programs

- PG&E continues to provide the mandatory Site Health and Safety Training for its employees and contractors on a daily basis. Of those, in January 2019, three sessions were conducted, and eight employees/contractors were trained. In February 2019, ten sessions were conducted, and 15 employees/contractors were trained. In March 2019, ten sessions were conducted, and 30 employees/contractors were training. In April 2019, seven sessions were conducted, and 22 employees/contractors were training. In May 2019, eight sessions were conducted, and 18 employees/contractors were trained.
- PG&E continues to provide the mandatory Worker Environmental Awareness Training (WEAT). In January 2019, five sessions were conducted, and nine employees/contractors were trained. In February 2019, seven sessions were conducted, and 15 employees/contractors were trained. In March 2019, 11 sessions were conducted, and 15 employees/contractors were trained. In April 2019, 9 sessions were conducted, and 18 employees/contractors were trained.
- PG&E's onsite biologist also trained Field Contact Representatives (FCRs), who will be responsible for compliance with biological avoidance and mitigation measures. In March 2019, 3 sessions were conducted, and 21 employees/contractors were trained.

Activities during FY 18/19 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 18/19. Semi-annual maintenance along with 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 Applicable, Relevant and Appropriate (ARARs) under DOI oversight. IM-3 self-monitoring reports were submitted on July 13, 2018, October 15, 2018, January 15, 2019, and April 15, 2019.
- Performance Monitoring Program (PMP) activities in the Colorado River floodplain continued in FY 18/19. Quarterly reports were submitted on August 15, 2018, December 15, 2018, March 15, 2019, and April 30, 2019. There were no notable hexavalent chromium concentrations in any samples.

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	<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
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ATTACHMENT A – Dates of Meetings and Lists of Attendees (Agencies)

July 17, 2018 – Clearinghouse Task Force Phone Conference Meeting

Attendees: Department of Toxic Substances Control (DTSC): Yolanda Garza, Aaron Yue; U.S. Department of Interior (USDOI): Pam Innis; U.S. Bureau of Land Management (BLM): Gloria Bullets Benson; California Regional Water Quality Control Board (CRWQCB): Scot Stormo; Pacific Gas & Electric Company (PG&E): Jennifer Darcangelo; CH2M Hill on behalf of PG&E: Christina Hong; Arcadis on Behalf of PG&E: Lisa Micheletti-Cope, Steven Perry; Chemehuevi Indian Tribe (CIT): Ron Escobar, Winston Escobar; Colorado River Indian Tribe (CRIT): Toni Carlyle, Bryan Etsitty; Cocopah Indian Tribe: Edgar Castillo; Technical Review Committee (TRC): Margaret Eggers; Hualapai Indian Tribe: Dawn Hubbs

August 21, 2018 – Clearinghouse Task Force Face-to-Face Meeting

Attendees: DTSC: Karen Baker (phone), Yolanda Garza, Aaron Yue; USDOI: Pam Innis (phone); BLM: Gloria Bullets Benson, Jason West, Matthew Nelson; Metropolitan Water District (MWD): Maria Lopez (phone); CRWQCB: Scot Stormo (phone); PG&E: Kevin Sullivan, Jennifer Darcangelo (phone); CH2M Hill on behalf of PG&E: Christina Hong; Arcadis on Behalf of PG&E: Lisa Micheletti-Cope, Steven Perry; CIT: Ron Escobar; Cocopah Indian Tribe: Edgar Castillo; CRIT: Doug Bonamici, Rena Van Fleet; Toni Carlyle, Bryan Etsitty; Cocopah Indian Tribe: Edgar Castillo; Fort Mojave Indian Tribe (FMIT): Nora McDowell, Leo Leonhart; Fort Yuma-Quechan Indian Tribe: Jill McCormick; Hualapai Indian Tribe: Lyndee Hornell, Dawn Hubbs; TRC: Margaret Eggers

October 16, 2018 – Clearinghouse Task Force Face-to-Face Meeting

Attendees: DTSC: Karen Baker, Yolanda Garza; USDOI: Pam Innis (phone); USBLM: Gloria Bullets Benson (phone); MWD: Maria Lopez (phone); PG&E: Curt Russell, Kevin Sullivan, Kristina Bonnett; ; Jacobs on behalf of PG&E: Christina Hong; Arcadis on behalf of PG&E: Lisa Micheletti-Cope (phone), Steven Perry (phone), Glen Caruso; CIT: Ron Escobar; Cocopah Indian Tribe: Edgar Castillo; CRIT: Bryan Etsitty, Rena Van Fleet; FMIT: Nora McDowell, Chris Harper, Leo Leonhart (H&A); Fort Yuma-Quechan: Jill McCormick; Hualapai: Lyndee Hornell, Marcie Craynon; TRC: Margaret Eggers

December 4, 2018 – Clearinghouse Task Force Face-to-Face Meeting

Attendees: DTSC: Karen Baker, Yolanda Garza; USDOI: Pam Innis; USBLM: Jason West, Matthew Nelson, Adam Cochran, Gloria Bullets Benson (phone); US Bureau of Reclamation (BOR): Jeff Smith; MWD: Maria Lopez (phone); PG&E: Curt Russell, Jennifer Darcangelo; Jacobs on behalf of PG&E: Christina Hong; Arcadis on behalf of PG&E: Lisa Micheletti-Cope, Steven Perry; CIT: Ron Escobar; Cocopah Indian Tribe: Edgar Castillo; FMIT: Nora McDowell, Leo Leonhart (H&A); Fort Yuma-Quechan: Jill McCormick; Hualapai: Lyndee Hornell; TRC: Margaret Eggers

December 5, 2018 – Consultative Work Group Face-to-Face Meeting

Attendees: DTSC: Karen Baker, Aaron Yue, Isabella Alasti, Yolanda Garza, Jose Marcos (phone), Lori Hare (phone); USDOL: Pam Innis; USBOR: Jeff Smith; Arizona Department of Environmental Quality (ADEQ): Nichole Osuch (phone); MWD: Maria Lopez (phone), Jill Teraoka (phone); On behalf of MWD – Geopentech: Eric Fordham (phone); California Water Resources Control Board (CWRCB): Scot Stormo (phone); Colorado River Board of CA (CRB): Lindia Liu (phone); PG&E: Kevin Sullivan (phone), Jennifer Darcangelo, Danielle Starring; On behalf of PG&E: CH2M Hill: Christina Hong, Pivox: Shakeel Jogia, and Arcadis: Lisa Micheletti-Cope; CIT: Ron Escobar; Cocopah Indian Tribe: Edgar Castillo; FMIT: Nora McDowell, Michael Sullivan (phone); H&A on behalf of FMIT: Leo Leonhart; Fort Yuma-Quechan Indian Tribe: Jill McCormick; Hualapai Indian Tribe: Lyndee Hornell; TRC: Margaret Eggers, Robert Prucha, Charlie Schlinger

January 8, 2019 – Clearinghouse Task Force Phone Conference Meeting

Attendees: Karen Baker, Aaron Yue, Yolanda Garza; USDOL: Pam Innis; MWD: Maria Lopez; BLM: Gloria Benson; RWQCB: Scot Stormo; PG&E: Kevin Sullivan, Curt Russell, Leo Leonhart (H&A); Jacobs on behalf of PG&E: Christina Hong; Arcadis on behalf of PG&E: Steven Perry; CIT: Ron Escobar, Cocopah: Edgar Castillo; CRIT: Doug Bonamici, Bryan Etsitty, Rena Van Fleet,; FMIT: Nora McDowell; Fort Yuma-Quechan: Jill McCormick; Hualapai: Lyndee Hornell; TRC: Margaret Eggers

March 5, 2019 – Clearinghouse Task Force Phone Conference Meeting

Attendees: DTSC: Karen Baker, Aaron Yue, Yolanda Garza; USDOL: Pam Innis; USBLM: Matt Nelson, Gloria Benson; USFWS: Carrie Marr; RWQCB: Scot Stormo; PG&E: Kevin Sullivan, Curt Russell, Jennifer Darcangelo; Jacobs on behalf of PG&E: Christina Hong; Arcadis on behalf of PG&E: Lisa Micheletti-Cope, Steven Perry; CIT: Ron Escobar; CRIT: Rena Van Fleet; FMIT: Nora McDowell, Leo Leonhart (H&A); TRC: Margaret Eggers

April 3, 2019 – Consultative Work Group Face-to-Face Meeting

Attendees: DTSC: Karen Baker, Aaron Yue, Yolanda Garza, Dawn Bascomb, Chris Guerre (phone), Jose Marcos (phone), Lori Hare (phone); USDOL: Pam Innis, Saylor Nygaard (TLI Solutions); USBOR: Jeff Smith; USBLM: Gloria Benson (phone); Arizona Department of Environmental Quality (ADEQ): Nichole Osuch (phone); MWD: Maria Lopez (phone), Jill Teraoka (phone); On behalf of MWD – Geopentech: Eric Fordham (phone); California Water Resources Control Board (CWRCB): Scot Stormo; Colorado River Board of CA (CRB): Lindia Liu (phone); PG&E: Kevin Sullivan, Curt Russell; On behalf of PG&E: CH2M Hill: Christina Hong (phone); CIT: Ron Escobar (phone); Cocopah Indian Tribe: Edgar Castillo (phone); CRIT: Toni Flora; FMIT: Nora McDowell; H&A on behalf of FMIT: Leo Leonhart; Fort Yuma-Quechan Indian Tribe: Jill McCormick; Hualapai Indian Tribe: Lyndee Hornell; TRC: Margaret Eggers, Robert Prucha (phone), Eric Rosenblum

May 7, 2019 – Clearinghouse Task Force Face-to-Face Meeting

Attendees: DTSC: Karen Baker, Aaron Yue (phone), Yolanda Garza; USDOl: Pam Innis (phone); BLM: Adam Cochran, Matt Nelson, Gloria Benson; PG&E: Kevin Sullivan, Curt Russell; PG&E consultants Jacobs: Christina Hong (phone), and Arcadis: Lisa Micheletti-Cope, Steven Perry (phone); MWD: Maria Lopez (phone); CIT: Ron Escobar; Cocopah: Edgar Castillo; CRIT: Rena Van Fleet; FMIT: Nora McDowell, FMIT consultant Hargis: Amanda Beam

May 7, 2019 – Geo/Hydro Technical Workgroup Face-to-Face Meeting

Attendees: DTSC: Karen Baker, Chris Guerre, Aaron Yue (phone), Yolanda Garza, Tanya Brosnan, Dawn Bascomb; USDOl: Pam Innis (phone), David Back (phone); USBLM: Adam Cochran, Matt Nelson, Gloria Benson; USBOR: Jeffery Smith; MWD: Eric Fordham (phone); San Bernardino County Park: Beahta Davis (phone); PG&E: Curt Russell, Kevin Sullivan; Jacobs on behalf of PG&E: Christina Hong; CIT: Ron Escobar; CRIT: Rena Van Fleet, Tonia Flora (phone); Cocopah: Edgar Castillo; FMIT: Nora McDowell; H&A on behalf of FMIT: Leo Leonhart, Amanda Beam; TRC: Margaret Eggers, Bob Prucha

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ATTACHMENT B – Invitees to Consultative Work Group Meetings

December 5, 2018 – Consultative Work Group Face-to-Face Meeting

Notified and Invited: Arizona Department of Environmental Quality (ADEQ), California Department of Fish and Wildlife (CDFW), California Regional Water Quality Control Board (CRWQCB), California Water Resources Control Board (CWRCB), Chemehuevi Indian Tribe (CIT), Coachella Valley Water District, Cocopah Indian Tribe, Colorado River Board of California (CRB), Colorado River Indian Tribes (CRIT), Department of Toxic Substances Control (DTSC), Eggers Environmental, EN3 Professionals, LLC, Fort Mojave Indian Tribe (FMIT) and their consultants Hargis & Associates, Law Office of Courtney Ann Coyle, and The McDonald Law Firm, LC, Fort Yuma-Quechan Indian Tribe, HDR Engineering, Hualapai Indian Tribe, Indian Health Services (IHS), Integrated Hydro Systems, LLC, Metropolitan Water District (MWD) and their consultant Geopentech, Mohave County Department of Public Health (DPH), Pacific Gas and Electric (PG&E) and their consultants Arcadis, CH2M Hill, and Pivox, Regional Parks Department, Rosenblum Environmental, Torres-Martinez Desert Cahuilla Indian Tribe, Twenty-Nine Palms Indian Tribe, US Bureau of Land Management (USBLM), US Bureau of Reclamation (USBOR), US Department of Interior (USDOI) and their consultants Summit, and KM Power Consulting, US Environmental Protection Agency (USEPA), US Fish and Wildlife Service (USFWS)

April 3, 2019 – Consultative Work Group Face-to-Face Meeting

Notified and Invited: ADEQ, CDFW, CRWQCB, CWRCB, CIT, Coachella Valley Water District, Cocopah Indian Tribe, CRB, CRIT, DTSC, Eggers Environmental, FMIT and their consultants H&A, Law Office of Courtney Ann Coyle, and The McDonald Law Firm, LC, Fort Yuma-Quechan Indian Tribe, HDR Engineering, Hualapai Indian Tribe, IHS, Integrated Hydro Systems, LLC, MWD and their consultant Geopentech, Mohave County DPH, PG&E and their consultants Arcadis, CH2M Hill, and Pivox, Regional Parks Department, Rosenblum Environmental, Torres-Martinez Desert Cahuilla Indian Tribe, Twenty-Nine Palms Indian Tribe, USBLM, USBOR, USDOI and their consultants Summit, and KM Power Consulting, USFWS

May 7, 2019 – Geo/Hydro Technical Subcommittee Face-to-Face Meeting

Notified and Invited: ADEQ, CDFW, CRWQCB, CWRCB, CIT, Coachella Valley Water District, Cocopah Indian Tribe, CRB, CRIT, DTSC, Eggers Environmental, FMIT and their consultants H&A, Law Office of Courtney Ann Coyle, and The McDonald Law Firm, LC, Fort Yuma-Quechan Indian Tribe, HDR Engineering, Hualapai Indian Tribe, IHS, Integrated Hydro Systems, LLC, MWD and their consultant Geopentech, Mohave County DPH, PG&E and their consultants Arcadis, CH2M Hill, and Pivox, Regional Parks Department, Rosenblum Environmental, Torres-Martinez Desert Cahuilla Indian Tribe, Twenty-Nine Palms Indian Tribe, USBLM, USBOR, USDOI and their consultants Summit, and KM Power Consulting, USFWS

**PG&E Topock Compressor Station
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ATTACHMENT C – Invitees to Sub-Committee Meetings

July 17, 2018 – Clearinghouse Task Force Phone Conference Meeting

Notified and Invited: California Regional Water Quality Control Board (CRWQCB), Chemehuevi Indian Tribe (CIT), Cocopah Indian Tribe, Colorado River Indian Tribe (CRIT), Department of Toxic Substances Control (DTSC), Hualapai Indian Tribe, Pacific Gas & Electric Company (PG&E) and their consultants CH2M Hill and Arcadis, Technical Review Committee (TRC), U.S. Bureau of Land Management (USBLM), U.S. Department of Interior (USDO I)

August 21, 2018 – Clearinghouse Task Force Face-to-Face Meeting

Notified and Invited: CRWQCB, CIT, Cocopah Indian Tribe, CRIT, DTSC, Fort Yuma-Quechan Indian Tribe, Hualapai Indian Tribe, PG&E and their consultants CH2M Hill and Arcadis, TRC, USBLM, USDO I

October 16, 2018 – Clearinghouse Task Force Face-to-Face Meeting

Notified and Invited: CRWQCB, CIT, Cocopah Indian Tribe, CRIT, DTSC, Fort Yuma-Quechan Indian Tribe, Hualapai Indian Tribe, PG&E and their consultants CH2M Hill and Arcadis, TRC, USBLM, USDO I

December 4, 2018 – Clearinghouse Task Force Face-to-Face Meeting

Notified and Invited: CRWQCB, CIT, Cocopah Indian Tribe, CRIT, DTSC, Fort Yuma-Quechan Indian Tribe, Hualapai Indian Tribe, PG&E and their consultants CH2M Hill and Arcadis, TRC, USBLM, USDO I

January 8, 2019 – Clearinghouse Task Force Phone Conference Meeting

Notified and Invited: CRWQCB, CIT, Cocopah Indian Tribe, CRIT, DTSC, Fort Yuma-Quechan Indian Tribe, Hualapai Indian Tribe, PG&E and their consultants CH2M Hill and Arcadis, TRC, USBLM, USDO I

March 5, 2019 – Clearinghouse Task Force Phone Conference Meeting

Notified and Invited: CRWQCB, CIT, Cocopah Indian Tribe, CRIT, DTSC, Fort Yuma-Quechan Indian Tribe, Hualapai Indian Tribe, PG&E and their consultants CH2M Hill and Arcadis, TRC, USBLM, USDO I

May 7, 2019 – Clearinghouse Task Force Face-to-Face Meeting

Notified and Invited: CRWQCB, CIT, Cocopah Indian Tribe, CRIT, DTSC, Fort Yuma-Quechan Indian Tribe, Hualapai Indian Tribe, PG&E and their consultants CH2M Hill and Arcadis, TRC, USBLM, USDO I