

## SITE DESIGNATION - STATUS REPORT

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

Date: 08/04/2020

### 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/ Dates 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 Fiscal Year 19/20, CWG face-to-face meetings were held on August 7, 2019, November 6, 2019, and February 5, 2020. The Geo/Hydro Technical Subcommittee (TWG) of the CWG also meets periodically. During Fiscal Year 19/20, face-to-face TWG meetings were held on August 7, 2019 and November 5, 2019. A web-conference Geo/Hydro TWG meeting was held on March 3, 2020. The Clearinghouse Task Force (CTF) held a face-to-face meeting on November 5, 2019. In addition, the CTF also held phone conferences on July 2, 2019, January 7, 2020, March 3, 2020, and May 5, 2020. To protect participants during the COVID-19 pandemic, the CWG, TWG and CTF meetings will continue as remote web meetings in the near future.

Participants at the CWG meetings included members of local, state and federal government stakeholder agencies, as well as representatives of the Chemehuevi Indian Tribe, Cocopah Indian Tribe, Colorado River Indian Tribe, Fort Mojave Indian Tribe, 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 Fiscal Year 19/20 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 Sub-Committee meetings, such as the TWG and CTF, 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 Fiscal Year 19/20 containing the previous quarter's information. The annual Topock information repositories audit occurred February 10-12, 2020.

During each quarter of Fiscal Year 19/20, DTSC also updated the DTSC Topock Project website with documents from the previous quarter. When necessary, the website is also updated to reflect important project notifications, such as the temporary suspension of remedy construction in response to COVID-19 on April 30, 2020 and resumption of work on May 11, 2020. The website was also updated with access to the draft Engineering Evaluation/ Cost Analysis (EECA) for a potential non-time critical removal action prepared and made available by the U.S. Department of the Interior (U.S. DOI) on June 3, 2020.

DTSC revised the DTSC Topock Project website in compliance with Assembly Bill 434 (AB434) requirements. AB434 requires that all electronic and information technology be accessible to people with disabilities. Historical documents on the website before January 1, 2020 were not created to be compliant with the Web Content Accessibility Guidelines (WCAG) standards. Non WCAG compliant documents were removed from direct website access and replaced with a request form with accessibility options.

#### Community Outreach

Throughout Fiscal Year 19/20, six-week look-ahead construction schedules were sent weekly to agencies, Tribes and stakeholders.

## **Tribal Outreach**

On September 5, 2019, Cultural Director of the Chemehuevi Indian Tribe requested and DTSC responded with information on the CUL-5 grant funding application made available as a cultural protection mitigation measure adopted as part of the certified Subsequent Environmental Impact Report (SEIR).

On December 20, 2019, the Cocopah Indian Tribe submitted an application for the CUL-5 grant funding for an expansion of the Tribal Museum and gathering area. To facilitate a streamlined CUL-5 funding mechanism, DTSC revised the funding procedure after consultation with the eligible Tribes and PG&E on February 13, 2020. DTSC provided direction to PG&E to follow the new process on March 10, 2020. The Cocopah Indian Tribe received the funding as requested on April 6, 2020.

On October 1, 2019, Cocopah, representing the Tribes, requested DTSC to hold a TWG to discuss well testing and utility of data. In response, DTSC held a TWG on October 23, 2019. Post meeting, the Technical Review Committee (TRC) which are Tribal consultants, requested and were given discussion time on this topic during the November 5, 2019 TWG meeting.

DTSC participated in monitoring well (MW) site restoration "walk downs" of completed wells with PG&E and Tribes: On October 2, 2019, DTSC participated in site walk downs for MW-E, MW-O, MW-W, MW-R, MW-M and MW-10D. MW-X, MW-Y' and AZ well 6a were conducted on February 4, 2020.

On October 10, 2019, Fort Mojave Indian Tribe sent a letter to the Agencies requesting on-going well construction and hydraulic testing data. In response, DTSC directed PG&E to include the requested information in the monthly construction progress reports.

DTSC participated in four site walks with PG&E, Agencies and Tribes: 1) October 17, 2019, at the MW-Z location to identify protective measures for archaeological/ historical sites prior to construction; 2) November 7, 2019, of the Jack-n-bore in preparation for the ERTC; 3) January 6, 2020, of the MW-V location to identify proposed access route and work areas; 4) February 26, 2020, of a burned soil layer discovered at the MW-20 bench. It was determined that the burned soil was associated with railroad camp and not pre-historic.

On December 2, 2019, PG&E evaluated the potential noise from drilling MW-Z and requested a waiver from mitigation measures NOISE-2 because of health and safety concerns in using existing noise barriers. After discussion with DTSC on December 5, 2019, PG&E recommended the use of shipping containers to break the line of sight from the maze. Tribes preferred to waive the sound barrier requirement instead of the containers during the site walk on January 6, 2020. Based on Tribal input, DTSC approved PG&E's request for a noise barrier waiver under NOISE-2 on January 14, 2020.

On December 4-5, 2019, DTSC participated in the annual site condition assessment with Tribal archaeologists. PG&E submitted the assessment report to the Agencies on January 10, 2020 and forwarded the report to the Tribes on DTSC's behalf on January 14, 2020. Fort Mojave Indian Tribe noted an error in the report on February 19, 2020 which was corrected, and the report was finalized and forwarded by PG&E on March 19, 2020.

To facilitate review of the Human Health and Ecological Risk Assessment (HHERA) Errata in conjunction with the RCRA Facility Investigation/Remedial Investigation (RFI/RI) Volume 3 Report, on February 25, 2020, Cocopah Indian Tribe requested, with concurrence from FMIT, Chemehuevi and Quechan, a three weeks extension of the RFI/RI Volume 3 review period. On February 27, 2020, DTSC approved the comment period extension to March 20, 2020.

DTSC continues to attend the bi-monthly Cultural and Historic Properties Management Plan (CHPMP) meetings hosted by the Bureau of Land Management (BLM) and U.S. Department of the Interior with the interested Tribes. DTSC attended the meetings in August, October, and December in 2019, as well as in February and June of 2020.

On May 15, 2020, DTSC sent a survey on communications during the COVID-19 pandemic to the CTF. The survey solicited inputs on the best options to communicate with Tribes regarding the Topock project during the pandemic. DTSC implemented the web meeting approach as a result of the survey.

## **Topock Site Mailing List Update**

DTSC continued to maintain the mailing list throughout Fiscal Year 19/20 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 U.S. DOI has initiated an Engineering Evaluation/ Cost Analysis (EE/CA) for a potential non-time critical removal actions to minimize impacts to federal lands. The EE/CA was made available for public comments on June 3, 2020.

The majority of the potential and known areas of concern are situated on lands either owned by PG&E or U.S. 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 remedy at 3G with approximately 75% for Phase I construction. PG&E continues to construct the Groundwater Remedy using a phased approach. DTSC anticipates initial startup and testing of the groundwater remedy in July 2021.

Soil investigation at 3B with 85% completion. Concurrent with the groundwater remedy construction, PG&E is preparing a revised Soil RCRA Facility Investigation Report that would detail the findings of the site investigation for soil contamination.

#### **Groundwater Remedy**

- In compliance with the Subsequent Environmental Impact Report (SEIR) mitigation measure HYDRO-6a, PG&E submitted a workplan for installation of a well in Arizona. The workplan was forwarded to Tribes for comment on July 3, 2019. Since no comments were received, DTSC approved the workplan on September 18, 2019 contingent on acceptance of the well location by the Federal landowner. U.S. DOI provided conditional approval on October 22, 2019.
- Also, in compliance with Hydro-6a, PG&E contacted private well owners for access agreements to monitor their wells. Not all well owners provided consent. PG&E forwarded a memorandum to DTSC on the effort and recommendations on December 17, 2019. DTSC provided additional directions on January 23, 2020 for additional attempts and installation of an additional monitoring well between two private well owners who rejected PG&E's access requests. PG&E submitted an updated summary report pursuant to Mitigation Measure Hydro-6a on May 13, 2020 and a revision on June 3, 2020 for a well installation workplan at the Frontage Road in Arizona. The revised summary report and a workplan for the additional new well was forwarded to the CWG on June 29, 2020.
- On July 19, 2019, PG&E requested repair of a portion of the southern access to the floodplain near the BNSF bridge. The repairs were to grade, reposition vehicle mats, and install locking pins on those mats. The repairs were within the bat protection measure buffer zone. DTSC provided conditional approval for work on July 23, 2019. PG&E completed the requested work and reported no bat disturbance occurred.
- PG&E submitted an annual stormwater pollution prevention plan (SWPPP) construction report to the agencies on October 3, 2019. The report is submitted as a substantive requirement under a Storm Water General Permit under U.S. DOI's CERCLA exemption.

- PG&E requested to change the location of an injection well based on the hexavalent chromium plume concentrations. On December 30, 2019, DTSC approved PG&E's request to move IRZ 19 to a location within the MW-20 bench. Because of the injection well location substitution, DTSC and U.S. DOI provided directions to PG&E to convert the former IRZ-19 pilot borehole to monitoring wells on the floodplain.
- On November 22, 2019, DTSC provided approval to PG&E to temporarily disconnect the piping and electrical lines from two extraction wells (PE-1 and PE-2) which were installed as part of the interim measure to protect the Colorado River. Disconnecting the piping and utilities was done to facilitate remedy construction at the MW-20 bench. DTSC also directed PG&E to install a contingency monitoring well (MW-V) due to higher than expected hexavalent chromium concentrations detected at a new monitoring well - MW-10D East of the MW-V location.
- DTSC continues oversight of the construction of the Groundwater Remedy. Construction was temporarily shut down on April 1, 2020 in response to the COVID-19 pandemic. Remedy construction restarted on May 11, 2020 with new COVID-19 prevention measures in place.
- PG&E collected baseline soil samples at several remedy and monitoring well locations including several locations in Pipeline B, C, and J trenches, influent water storage tanks, and secondary containment. Many remedy wells and pilot boreholes were drilled and installed throughout the fiscal year. There were several wells that were damaged during installation. Repairs were attempted but, in some cases, such as MW-B-267 and MW-S, the wells must be abandonment and redrilled.
- PG&E continued to excavate the remedy wastewater tank farm inside the Compressor Station which will serve as the water reconditioning system during the initial remedy start up. PG&E continues to install the necessary pipelines at the site and began work on the southern pit of the jack and bore (also called Pipeline C, Segment C9,). The jack and bore operation is necessary for the remedy pipelines to cross beneath the historic national trails highway.
- PG&E continues to analyze wastewater samples and dispose of wastewater from well drilling to either the Compressor Station Evaporation Pond 4 or processed through the Interim Measures water treatment plant.
- PG&E continues to manage drilling spoils and excess soil from construction in accordance with the Remedy Soil Management Plan which was developed with screening levels to determine if excess soil should be disposed off-site due to contaminant concentrations or retained for reuse as requested by the Tribes.

### **Soil Remedial Facility Investigation/Remedial Investigation (RFI/RI) Vol. 3**

PG&E has prepared and submitted a draft Soil RFI/RI Vol. 3 Report on December 9, 2019. After DTSC review and gathering of comments received from the U.S. DOI, Tribes and MWD, DTSC concluded that the RFI/RI Volume 3 Report will require significant revisions. On June 24, 2020, PG&E compiled the comments received in a comment table and will proceed to prepare responses to the comments and the revised report.

### **Soil Human Health and Ecological Risk Assessment (HHERA)**

After comments were received on the HHERA, DTSC held comment resolution meetings in June 2019 and forwarded the final comment resolution table to the CWG for accuracy. No requests for corrections were received, so on July 29, 2019, DTSC directed PG&E to finalize the HHERA pursuant to the April 2016 Response To Comment protocol developed with Tribes and stakeholders. The comment resolution protocol provides for opportunities to provide disagreement letters for the administrative record. The Final Soil HHERA was submitted to DTSC and U.S. DOI on October 18, 2019. Despite the comment resolution meetings, Tribes believe some of the HHERA evaluations are overly conservative which may lead to unnecessary cleanup action and will lead to further damages to the cultural landscape. The Fort Mojave Indian Tribe, with support from the Quechan, Cocopah and Chemehuevi Indian Tribes sent an objection letter to the HHERA. The letter and the supporting emails have been added to the administrative record.

In reviewing the final HHERA, agencies noticed and raised a concern that the hexavalent chromium screening value of 1 mg/kg is conservative and not based on specific toxicity data for the desert plant community. Based on agencies comments, PG&E submitted a technical memorandum on January 27, 2020 which specified the proposed alternate



- monthly in 2 extraction wells,
- 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.

**Oversight Agency Costs Reimbursed to Date:**

DTSC labor expenditures for July 2019 – June 2020: DTSC spent 4,325 hours with an oversight cost of approximately \$ 1,107,416.00.

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

(Continued from Section 4)

**Biological Surveys/Plants**

- On September 4, 2019, PG&E provided a post action report for BIO-2f bat protection measures taken during the repair of access mats at the southern floodplain which took place on August 1, 2019. The report indicates no observable bat impacts.
- Pre-construction biological surveys were performed in compliance with the SEIR mitigation measures.
- PG&E submitted a Transplantation Technical Memorandum on May 4, 2020 to document the failed attempts to transplant native vegetation that would have been impacted due to construction. The memorandum contemplated on changes to the procedure that may increase survival rate in the future.
- PG&E submitted the summer 2019 bat survey report on April 22, 2020. The report suggested that the current bat maternity roost protection measures are successful. The remedy construction did not impact bat maternity roosts and that the bat population remains healthy within the project area.

**Monitoring Programs**

**Dust Monitoring**

- Dust monitoring was conducted during construction activities during Fiscal Year 19/20. Below are the number of real time dust monitoring events that were conducted at the perimeter of the work areas (outside of the exclusion zone).
- In July 2019, 171; August 2019, 277; September 2019, 146; October 2019, 270; November 2019, 70; December 2019, 108; January 2020, 161; February 2020, 138; March 2020, 106; and May 2020, 12.
- Exceedances of the action level for fugitive dust monitoring which is 100 micrograms per cubic meter occurred on:
  - July 1, 2019 – a temporary exceedance due to construction vehicle movement in the floodplain. Contractor applied water to reduce fugitive dust.
  - August 20, 2019 – a temporary exceedance due to backfilling of very dry soil/dirt using excavator of Pipeline B/J. Contractor applied water to reduce fugitive dust.

- October 2019 - temporary exceedances during site preparation activities for MW-70BR and Hydro-6 well. Construction water was used to control fugitive dust. The technician also noted, in several occasions, that wind gusts picked up sands and dirt within the work areas.
- February 19, 2020 - a temporary exceedance occurred during the excavation of soil during site preparation for drilling of MW-V (the upgradient dust value was 7 micrograms per cubic meter and the average downgradient dust value was 195 micrograms per cubic meter, resulting a delta of 188 micrograms per cubic meter). The Construction Manager was notified by compliance personnel of the exceedance, and water was applied to reduce dust level.

### **Air Sampling**

- Perimeter air sampling events occurred throughout Fiscal Year 19/20 - Level of Concern (LOC) for hexavalent chromium is 0.00094 micrograms per cubic meter:
  - Two events in August 2019 during construction of the portion of Pipeline B/J in the vicinity of AOCs 9 and 10. Analytical results are available in Table 1.
  - Five events in October 2019 (October 15, 17, 18, 29, and 30) during site preparation and drilling activities at MW-70BR in AOC 10 (East Ravine). Results are below the LOC for hexavalent chromium.
  - Two events in November 2019 (November 4 and 6); during drilling activities at MW-70BR in AOC 10. Results are below the LOC for hexavalent chromium.
  - Five events in December 2019 (December 16, 17, 18, 19, and 20). Two sampling events were performed during removal of the retaining wall near the paint locker (AOC 8) inside the Topock Compressor Station. Three sampling events were performed during excavation at the MW-20 Bench (AOC 30). Results are below the LOC for hexavalent chromium.

### **Noise Monitoring**

- Noise monitoring was conducted at pre-approved locations closest to the construction activities throughout Fiscal Year 19/20. To date, there have been no complaints resulting from project construction-related noise.

### **Construction progress reports**

- Monthly progress reports of the construction activities were submitted monthly during Fiscal Year 19/20. The previous month's report is submitted by the 10<sup>th</sup> of each month.

### **Groundwater Gradient**

- PG&E has continued to monitor the hydraulic gradient at prescribed gradient well pairs and chromium concentrations at select floodplain wells as directed in DTSC's July 20, 2015 and August 18, 2017 conditional approval letters. PG&E has also submitted monthly snapshots of IM3 Pumping Regime and Hydraulic Performance as an action item from the July 22, 2015 CWG.
- The average landward gradients during Fiscal Year 19/20 were: July 2019, 0.0033 foot/foot (ft/ft); August 2019, 0.0031; September 2019, 0.0032; October 2019, 0.0036; November 2019, 0.0029; December 2019, 0.0034; January 2020, 0.0037; February 2020, 0.0041; March 2020, .0039; April 2020, 0.0044; and May 2020, 0.0037. The landward gradient continues to exceed the target of 0.001 ft/ft.

### **Groundwater/Surface Water Monitoring Program**

- Implementation of the groundwater and surface water monitoring program continued during Fiscal Year 19/20. Groundwater monitoring events were completed in October 2019, February 2020, and June 2020.

### **EIR Monitoring**

- PG&E is implementing the EIR Mitigation Monitoring and Reporting Program requirements in the Groundwater EIR and Soil Investigation EIR. PG&E has been submitting quarterly compliance reports. Quarterly reports were submitted on October 31, 2019, January 31, 2020, and April 30, 2020.

### **Mandatory Training Programs**

- PG&E continues to provide the mandatory Site Health and Safety Training for its employees and contractors on a daily basis. As of May 29, 2020, a total of 147 health and safety training sessions and 469 employees and contractors received the training. During Fiscal Year 19/20, the counts are: 1<sup>st</sup> Quarter: 21 sessions, 43 employees/contractors; 2<sup>nd</sup> Quarter: 15 sessions, 22 employees/contractors; 3<sup>rd</sup> Quarter: 16 sessions, 64 employees/contractors; and 4<sup>th</sup> Quarter: 13 sessions, 31 employees/contractors.
- PG&E continues to provide the mandatory Worker Environmental Awareness Training (WEAT). As of May 29, 2020, a total of 152 WEAT sessions were conducted and 546 employees and contractors received the training. During Fiscal Year 19/20, the counts are: 1<sup>st</sup> Quarter: 22 sessions, 47 employees/contractors; 2<sup>nd</sup>

Quarter: 14 sessions, 40 employees/contractors; 3<sup>rd</sup> Quarter: 19 sessions, 73 employees/contractors; and 4<sup>th</sup> Quarter: 12 sessions, 38 employees/contractors.

- PG&E's onsite biologist also trained Field Contact Representatives (FCRs), who will be responsible for compliance with biological avoidance and mitigation measures. As of May 2020, a total of 14 FCR training sessions were conducted. During Fiscal Year 19/20, the counts are: 1<sup>st</sup> Quarter: 1 session, 1 employee/contractor; 2<sup>nd</sup> Quarter: 1 session, 1 employee/contractor; 3<sup>rd</sup> Quarter: 1 session, 1 employee/contractor; and 4<sup>th</sup> Quarter: 1 session, 2 employees/contractors.

**Activities during Fiscal Year 19/20 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 Fiscal Year 19/20. 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 U.S. DOI oversight. IM-3 self-monitoring report was submitted on July 15, 2019, October 15, 2019, January 15, 2020, and April 15, 2020.
- Performance Monitoring Program (PMP) activities in the Colorado River floodplain continued in Fiscal Year 19/20. Quarterly reports were submitted on August 15, 2019, December 13, 2019, March 13, 2020, and April 30, 2020.

## 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



- 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 2019 – June 2020**

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

**July 2, 2019 – 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): Matt Nelson, Gloria Benson; Metropolitan Water District (MWD): Maria Lopez; Pacific Gas & Electric Company (PG&E): Curt Russell; Jacobs on behalf of PG&E: Christina Hong; Arcadis on Behalf of PG&E: Lisa Micheletti-Cope, Steven Perry; Fort Mojave Indian Tribe (FMIT): Nora McDowell; Hargis & Associates (H&A) on behalf of FMIT: Amanda Beam; Chemehuevi Indian Tribe (CIT): Ron Escobar; Cocopah Indian Tribe: Edgar Castillo; Technical Review Committee (TRC): Margaret Eggers

**August 7, 2019 – Consultative Workgroup Face-to-Face Meeting**

**Attendees:** DTSC: Karen Baker, Aaron Yue, Chris Guerre, Yolanda Garza, Isabella Alasti (phone), Jose Marcos (phone), Lori Hare (phone); USDOI: Pam Innis; USBLM: Gloria Bullets Benson (phone), Adam Cochran, Matthew Nelson; US Fish & Wildlife Service (USFWS): Carrie Marr (phone); MWD: Maria Lopez, Betty Kuo-Brinton (phone), Jill Teraoka (phone); Arizona Department of Environmental Quality (ADEQ): Nichole Osuch (phone); CRWQCB: Scot Stormo (phone); PG&E: Curt Russell, Kevin Sullivan, Iain Baker; PG&E Consultant CH2M Hill: Christina Hong; PG&E Consultant Arcadis: Margy Gentile; FMIT: Nora McDowell; FMIT consultants H&A: Leo Leonhart (phone), Amanda Beam; Cocopah Indian Tribe: Edgar Castillo; CIT: Ron Escobar; Hualapai: Lyndee Hornell; TRC: Margaret Eggers, Robert Prucha, Eric Rosenblum (phone)

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

**Attendees:** DTSC: Karen Baker, Chris Guerre, Yolanda Garza, Aaron Yue, Jose Marcos; USDOI: Pam Innis; USBLM: Adam Cocchran, Matt Nelson, Gloria Benson (phone); USFWS: Carrie Marr (phone); ADEQ: Nichole Osuch (phone); Mohave County: Nancy Appleby; PG&E: Iain Baker, Kevin Sullivan, Curt Russell; PG&E Consultant Arcadis: Mary Gentile; FMIT: Nora McDowell; FMIT consultant H&A: Leo Leonhart (phone), Amanda Beam; Cocopah: Edgar Castillo; CIT: Ron Escobar; Hualapai: Lyndee Hornell; TRC: Eric Rosenblum (phone), Margaret Eggers, Bob Prucha

**November 5, 2019 – Geo/Hydro Technical Workgroup Face-to-Face Meeting**

**Attendees:** DTSC: Grant Cope, Peter Garcia, Karen Baker, Aaron Yue, Chris Guerre, Yolanda Garza; PG&E: Curt Russell, Kevin Sullivan, Iain Baker; PG&E Consultant Arcadis: Lisa Cope, Margaret Gentile; PG&E Consultant Jacobs: Christina Hong, Greg Foote (phone); DOI: Pam Innis; DOI Consultant BB&E: Jim Colmer, Brent Jacobs; BLM: Adam Cochran, Gloria Benson; MWD: Eric Fordham (phone); BOR: Jeff Smith (phone); RWQCB-CRB: Scot Stormo; FMIT: Nora McDowell; H&A on behalf of FMIT: Leo Leonhart, Amanda Beam (phone); CIT: Ron Escobar; Cocopah Indian Tribe: Edgar Castillo, Hualapai Indian Tribe: Lyndee Hornell; Fort Yuma-

Quechan Indian Tribe: Jill McCormick (phone);TRC: Margaret Eggers, Eric Rosenblum, Bob Prucha

**November 5, 2019 – Clearinghouse Task Force Face-to-Face Meeting**

**Attendees:** DTSC: Yolanda Garza, Aaron Yue; USDO: Pam Innis; U.S. BLM: Gloria Benson, Matt Nelson; MWD: Maria Lopez; CRWQCB: Scot Stormo; PG&E: Curt Russell; Jacobs on behalf of PG&E: Christina Hong; Arcadis on Behalf of PG&E: Lisa Micheletti-Cope, Steven Perry; FMIT: Nora McDowell; FMIT Consultants H&A: Amanda Beam; CIT: Ron Escobar; Cocopah Indian Tribe: Edgar Castillo; TRC: Margaret Eggers

**November 6, 2019 – Consultative Workgroup Face-to-Face Meeting**

**Attendees:** DTSC: Grant Cope, Karen Baker, Aaron Yue, Chris Guerre, Yolanda Garza, Isabella Alasti (phone), Lori Hare (phone); USDO: Pam Innis, B&B on behalf of USDO: James Colmer; USBLM: Gloria Bullets Benson, Adam Cochran; USBOR: Jeff Smith (phone); MWD: Maria Lopez (phone), Betty Kuo-Brinton (phone), Jill Teraoka (phone); Geopentch on behalf of MWD: Eric Fordham; Arizona Department of Environmental Quality (ADEQ): Nichole Osuch (phone); PG&E: Curt Russell, Kevin Sullivan; Jacobs Engineering on behalf of PG&E: Christina Hong; Arcadis on behalf of PG&E: Lisa Micheletti-Cope; FMIT: Nora McDowell, Michael Sullivan (phone); FMIT consultants H&A: Leo Leonhart, Amanda Beam (phone); Fort Yuma-Quechan: Jill McCormick (phone); Cocopah Indian Tribe: Edgar Castillo; CRIT: Toni Flora; CIT: Ron Escobar; Hualapai: Lyndee Hornell; TRC: Margaret Eggers, Robert Prucha, Eric Rosenblum

**January 7, 2020 – Clearinghouse Task Force Phone Conference Meeting**

**Attendees:** DTSC: Karen Baker, Yolanda Garza; USDO: Pam Innis; U.S. BLM: Gloria Benson, Adam Cochran; MWD: Maria Lopez; CRWQCB: Scot Stormo; PG&E: Curt Russell, Kevin Sullivan; Jacobs on behalf of PG&E: Christina Hong; Arcadis on Behalf of PG&E: Lisa Micheletti-Cope, Steven Perry; FMIT: Nora McDowell; FMIT Consultants H&A: Leo Leonhart, Amanda Beam; CIT: Ron Escobar; Hualapai: Peter Bungart; TRC: Eric Rosenblum

**February 5, 2020 – Consultative Workgroup Face-to-Face Meeting**

**Attendees:** DTSC: Karen Baker, Aaron Yue, Chris Guerre, Yolanda Garza, Isabella Alasti (phone), Jose Marcos (phone), Lori Hare (phone); USDO: Pam Innis, Nathalie Doherty (phone); BB&E, Inc. on behalf of DOI: James Colmer (phone), Brent Jacobs (phone); USBLM: Gloria Bullets Benson (phone), Adam Cochran; USBOR: Jeff Smith (phone); MWD: Maria Lopez (phone), Betty Kuo-Brinton (phone), Jill Teraoka (phone); Mauricio Santos (phone); MWD consultant Geopentech: Eric Fordham; Arizona Department of Environmental Quality (ADEQ): Nichole Osuch (phone); PG&E: Curt Russell, Kevin Sullivan, Matt Dudley (phone); PG&E Consultant Jacobs Engineering: Christina Hong, Keith Sheets (phone); PG&E Consultant Arcadis: Lisa Kellogg (phone); FMIT: Nora McDowell, Michael Sullivan; FMIT consultants H&A: Leo Leonhart, Amanda Beam; Fort Yuma-Quechan: Jill McCormick; Cocopah Indian Tribe: Edgar Castillo; CRIT: Toni Flora; CIT: Ron Escobar (phone); Hualapai: Lyndee Hornell; TRC: Margaret Eggers, Robert Prucha (phone), Eric Rosenblum

**March 3, 2020 – Geo/Hydro Technical Workgroup Phone/Web Meeting**

**Attendees:** DTSC: Chris Guerre, Aaron Yue, Yolanda Garza; USDO: Pam Innis; PG&E: Kevin Sullivan, Iain Baker; PG&E Consultant Arcadis: Margaret Gentile; PG&E Consultant Jacobs: Christina Hong; RWQCB-CRB: Scot Stormo; Metropolitan Water District: Maria Lopez; Cocopah Indian Tribe: Edgar Castillo; FMIT: Nora McDowell; FMIT consultants H&A: Leo Leonhart, Amanda Beam; Hualapai Indian Tribe: Lyndee Hornell; CIT: Ron Escobar; TRC: Margaret Eggers, Eric Rosenblum, Bob Prucha

**March 3, 2020 – Clearinghouse Task Force Phone Conference Meeting**

**Attendees:** DTSC: Aaron Yue; MWD: Maria Lopez; PG&E: Kevin Sullivan; PG&E consultants Jacobs: Christina Hong; CIT: Ron Escobar; Cocopah Indian Tribe: Edgar Castillo; FMIT: Nora McDowell; FMIT Consultants H&A: Leo Leonhart, Amanda Beam

**May 5, 2020 – Clearinghouse Task Force Phone Conference Meeting**

**Attendees:** DTSC: Karen Baker, Yolanda Garza, Aaron Yue; USDO: Pam Innis; BLM: Jason West, Adam Cochran, Gloria Benson, Collin Price; MWD: Maria Lopez; RWQCB: Scot Stormo; PG&E: Kevin Sullivan, Curt Russell; PG&E consultants Jacobs: Christina Hong; PG&E Consultants Arcadis: Lisa Micheletti Cope, Steven Perry; CIT: Ron Escobar; FMIT: Nora McDowell; FMIT Consultants H&A: Leo Leonhart, Amanda Beam; Quechan: Jill McCormick; TRC: Margaret Eggers

**PG&E Topock Compressor Station  
Annual Status Report July 2019 – June 2020**

**ATTACHMENT B – Invitees to Consultative Work Group Meetings**

**August 7, 2019 – Consultative Workgroup 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, 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 consultant Summit, US Fish and Wildlife Service (USFWS)

**November 6, 2019 – Consultative Workgroup 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 consultant Summit, USFWS

**February 5, 2020 – Consultative Workgroup 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 consultant Summit, USFWS

**PG&E Topock Compressor Station  
Annual Status Report July 2019 – June 2020**

**ATTACHMENT C – Invitees to Sub-Committee Meetings**

**July 2, 2019 – 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), Fort Mojave Indian Tribe, Hargis & Assoc. (H&A) on behalf of FMIT; Fort Yuma-Quechan Indian Tribe, Hualapai Indian Tribe, Metropolitan Water District (MWD), 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 (USDOI)

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

**Notified and Invited:** Arizona Department of Environmental Quality (ADEQ), California Department of Fish and Wildlife (CDFW), CRWQCB, California Water Resources Control Board (CWRCB), CIT, Coachella Valley Water District, Cocopah Indian Tribe, Colorado River Board of California (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, Indian Health Services (IHS), Integrated Hydro Systems, LLC, MWD and their consultant Geopentech, Mohave County Department of Public Health (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, US Bureau of Reclamation (USBOR), USDOI and their consultant Summit, US Fish and Wildlife Service (USFWS)

**November 5, 2019 – Geo/Hydro Technical Workgroup 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 consultant BB&E, USFWS

**November 5, 2019 – Clearinghouse Task Force Face-to-Face Meeting**

**Notified and Invited:** CRWQCB, CIT, Cocopah Indian Tribe, CRIT, DTSC, FMIT and their consultants H&A, Fort Yuma-Quechan Indian Tribe, Hualapai Indian Tribe, MWD, PG&E and their consultants CH2M Hill and Arcadis, TRC, USBLM, USDOI

**January 7, 2020 – Clearinghouse Task Force Phone Conference Meeting**

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

**March 3, 2020 – Geo/Hydro Technical Workgroup Phone/Web 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, Haley & Aldrich, and Pivox, Regional Parks Department, Rosenblum Environmental, Torres-Martinez Desert Cahuilla Indian Tribe, Twenty-Nine Palms Indian Tribe, USBLM, USBOR, USDO I and their consultant BB&E, USFWS

**March 3, 2020 – Clearinghouse Task Force Phone Conference Meeting**

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

**May 5, 2020 – Clearinghouse Task Force Phone Conference Meeting**

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