

HANDOUT 12A - TOPOCK REMEDIATION PROJECT SCHEDULE (REV. 47) JUNE 16, 2021 CWG MEETING

ID	Task Name	Duration	Forecasted Start	Forecasted Finish	Actual Start	Actual Finish	2019				2020				2021				2022				2023				2024			
							Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
1	IM Installation (Note that IM3 is currently in operation and will remain in operation until directed otherwise by agencies)	512 days	Thu 1/22/04	Tue 12/20/05	Thu 1/22/04	Tue 12/20/05																								
32	IM3 Cultural Resources Management Plan (IM3 CRMP)	986 days	Thu 7/1/04	Mon 3/10/08	Thu 7/1/04	Mon 3/10/08																								
37	Extraction Well PE-1/Facilities	230 days	Mon 3/21/05	Fri 1/27/06	Mon 3/21/05	Fri 1/27/06																								
47	Supplemental Extraction Well and Facilities	127 days	Fri 7/29/05	Thu 1/19/06	Fri 7/29/05	Thu 1/19/06																								
55	Decommissioning of IM2 Batch Treatment	1182 days	Fri 8/5/05	Fri 1/29/10	Fri 8/5/05	Fri 1/29/10																								
66	Interim Measures and Treated Water Management	751 days	Mon 5/3/04	Fri 2/16/07	Mon 5/3/04	Fri 2/16/07																								
210	Public Participation Plan	578 days	Mon 12/20/04	Fri 2/9/07	Mon 12/20/04	Fri 2/9/07																								
219	Baseline Resources Assessments	897 days	Mon 11/1/04	Mon 3/10/08	Mon 11/1/04	Mon 3/10/08																								
233	Sitewide CEQA Documentation	586 days	Wed 5/17/06	Fri 8/1/08	Wed 5/17/06	Fri 8/1/08																								
237	Programmatic Biological Assessment (PBA)	1920 days	Tue 12/19/06	Tue 4/15/14	Tue 12/19/06	Tue 4/15/14																								
250	REMEDIAL FACILITY INVESTIGATION/REMEDIAL INVESTIGATION (RFI/RI)	6823.5 days	Sat 2/24/96	Wed 3/9/22	Sat 2/24/96	NA																								
251	Historical RFI/RI Reports (Feb. 2005 and Prior Versions)	2455 days	Sat 2/24/96	Fri 7/8/05	Sat 2/24/96	Fri 7/8/05																								
269	Prepare Site History Report (Vol 1)	466 days	Tue 11/15/05	Wed 8/15/07	Tue 11/15/05	Wed 8/15/07																								
284	Prepare RFI/RI Vol 1 Addendum	1829 days	Wed 7/11/07	Tue 7/8/14	Wed 7/11/07	Tue 7/8/14																								
306	Prepare Final Groundwater RFI/RI (Vol 2)	1948 days	Mon 6/27/05	Fri 11/16/12	Mon 6/27/05	Fri 11/16/12																								
616	ADEQ Topock Groundwater Study	475 days	Thu 11/18/04	Wed 8/23/06	Thu 11/18/04	Wed 8/23/06																								
620	Prepare Final Soil RFI/RI (Vol 3)	4096.5 days	Sat 7/15/06	Wed 3/9/22	Sat 7/15/06	NA																								
621	Implementation of Off-site Soil Sampling (Part A Phase 1) and Data Gaps Evaluatio	1215 days	Sat 7/15/06	Fri 2/25/11	Sat 7/15/06	Fri 2/25/11																								
770	Draft On-site Soil Sampling (Part B) DQOs	1122 days	Wed 12/6/06	Fri 3/11/11	Wed 12/6/06	Fri 3/11/11																								
825	Soil RFI/RI Work Plan	1211 days	Tue 1/4/11	Mon 8/24/15	Tue 1/4/11	Mon 8/24/15																								
922	Work Plan Implementation/Data Gaps Analysis	594 days	Tue 8/25/15	Thu 11/30/17	Tue 8/25/15	Thu 11/30/17																								
978	Reporting	1233.5 days	Tue 6/20/17	Wed 3/9/22	Tue 6/20/17	NA																								
979	Soil Risk Assessment	770 days	Tue 6/20/17	Fri 5/29/20	Tue 6/20/17	Fri 5/29/20																								
1002	RFI/RI Volume 3	1205.5 days	Fri 7/28/17	Wed 3/9/22	Fri 7/28/17	NA																								
1003	Prepare Draft RFI/RI Vol 3 Report	29.43 mons	Fri 7/28/17	Mon 12/9/19	Fri 7/28/17	Mon 12/9/19																								
1004	DTSC sends report to CWG/TWG and Tribes	0 days	Tue 12/10/19	Tue 12/10/19	Tue 12/10/19	Tue 12/10/19																								
1005	CWG/TWG review/comment	101 edays	Tue 12/10/19	Fri 3/20/20	Tue 12/10/19	Fri 3/20/20																								
1006	Tribes review/comment	101 edays	Tue 12/10/19	Fri 3/20/20	Tue 12/10/19	Fri 3/20/20																								
1007	DTSC review/comment	115 edays	Tue 12/10/19	Fri 4/3/20	Tue 12/10/19	Fri 4/3/20																								
1008	DOI review/comment	115 edays	Tue 12/10/19	Fri 4/3/20	Tue 12/10/19	Fri 4/3/20																								
1009	Review/compile Comment Table	79.38 edays	Mon 4/6/20	Wed 6/24/20	Mon 4/6/20	Wed 6/24/20																								
1010	Prepare/send RTC Table	18.2 wks	Thu 6/25/20	Fri 10/30/20	Thu 6/25/20	Fri 10/30/20																								
1011	RTC Meeting	3 days	Tue 12/8/20	Thu 12/10/20	Tue 12/8/20	Thu 12/10/20																								
1012	Send agenda	1 day	Tue 12/8/20	Tue 12/8/20	Tue 12/8/20	Tue 12/8/20																								
1013	Hold Meeting	2 days	Wed 12/9/20	Thu 12/10/20	Wed 12/9/20	Thu 12/10/20																								
1014	Prepare Revised RFI Volume 3 with RTC Table	5.86 mons	Fri 12/11/20	Mon 5/31/21	Fri 12/11/20	Mon 5/31/21																								
1015	DTSC sends report to CWG/TWG and Tribes	1 day	Tue 6/1/21	Tue 6/1/21	Tue 6/1/21	Tue 6/1/21																								
1016	CWG/TWG review/comment	62.38 edays	Tue 6/1/21	Mon 8/2/21	Tue 6/1/21	NA																								
1017	Tribes review/comment	62.38 edays	Tue 6/1/21	Mon 8/2/21	Tue 6/1/21	NA																								
1018	DTSC review/comment	77.38 edays	Tue 6/1/21	Tue 8/17/21	Tue 6/1/21	NA																								
1019	DOI review/comment	77.38 edays	Tue 6/1/21	Tue 8/17/21	Tue 6/1/21	NA																								
1020	Review/compile Comment Table	1 mon	Wed 8/18/21	Wed 9/15/21	NA	NA																								

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Tasks Not Started/In Progress **Overall Task Duration**
Tasks Finished **Inactive Task**
Baseline Schedule **Inactive Milestone**
Milestone **Inactive Summary**

Manual Task
Duration-only
Manual Summary Rollup
Manual Summary

Start-only **Finish-only**

edays = calendar days; days = work days
Baseline Schedule is the 8/15/07 CWG Schedule (rev 1, 12/12/07).
*Timeframes shown are for planning purpose. Actual timeframes may vary.

Color Coding:
 PG&E Federal Agencies CWG/TWG Public
 DTSC Tribes/SHPO Other CA Agencies AZ Agencies

Major Assumptions
 - Permits, CWG/ stakeholder review, and DTSC review & approvals are estimated.
 - Actual dates may vary depending on field conditions.

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JUNE 16, 2021 CWG MEETING

ID	Task Name	Duration	Forecasted Start	Forecasted Finish	Actual Start	Actual Finish	2019				2020				2021				2022				2023				2024			
							Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
1021	Comment clarification meeting (date shown is a placeholder only)	0 days	Tue 8/31/21	Tue 8/31/21	NA	NA																								
1022	Prepare/send RTC Table (date to be verified after receipt of comments)	2 mons	Wed 9/1/21	Thu 10/28/21	NA	NA																								
1023	RTC Meeting	10 days	Thu 11/11/21	Thu 11/25/21	NA	NA																								
1024	Send agenda (2 wks prior to meeting)	0 days	Thu 11/11/21	Thu 11/11/21	NA	NA																								
1025	Hold Meeting	0 days	Thu 11/25/21	Thu 11/25/21	NA	NA																								
1026	Finalize report (place holder only, nature and duration of task to be verified after R	2.5 mons	Fri 11/26/21	Tue 2/8/22	NA	NA																								
1027	DTSC review/approve	1 mon	Tue 2/8/22	Wed 3/9/22	NA	NA																								
1028	DOI review/approve	1 mon	Tue 2/8/22	Wed 3/9/22	NA	NA																								
1029	GROUNDWATER CORRECTIVE MEASURES/REMEDIAL ALTERNATIVE DEVELOPMENT	2835 days	Mon 3/29/04	Wed 12/31/14	Mon 3/29/04	Wed 12/31/14																								
1177	CORRECTIVE MEASURE STUDY/FEASIBILITY STUDY (CMS/FS) AND RISK ASSESSMEN	5355.5 days	Mon 12/16/02	Mon 5/15/23	Mon 12/16/02	NA																								
1178	CMS Work Plan	1465 days	Mon 12/16/02	Tue 6/24/08	Mon 12/16/02	Tue 6/24/08																								
1197	Risk Evaluation - Scoping and CSM	2326 days	Tue 10/31/06	Tue 9/15/15	Tue 10/31/06	Tue 9/15/15																								
1281	CMS/FS Report	3852.5 days	Mon 8/18/08	Mon 5/15/23	Mon 8/18/08	NA																								
1282	Groundwater	350 days	Mon 8/18/08	Fri 12/18/09	Mon 8/18/08	Fri 12/18/09																								
1341	Soil CMS/FS (duration to be verified after completion of RFI/RI)	308 days	Wed 3/9/22	Mon 5/15/23	NA	NA																								
1342	Prepare Draft Soil CMS/FS Report	151 days	Wed 3/9/22	Thu 10/6/22	NA	NA																								
1343	Prepare Discussion Draft Soil CMS/FS Report	4 mons	Wed 3/9/22	Tue 7/5/22	NA	NA																								
1344	PG&E outreach with Tribes	1 mon	Tue 7/5/22	Wed 8/3/22	NA	NA																								
1345	PG&E submits Draft Soil CMS/FS	2 wks	Wed 8/3/22	Wed 8/17/22	NA	NA																								
1346	DTSC send Draft Soil CMS/FS to CWG/TWG	0 days	Wed 8/17/22	Wed 8/17/22	NA	NA																								
1347	BLM sends package to Tribes for Consultation	3 days	Wed 8/17/22	Mon 8/22/22	NA	NA																								
1348	DTSC review and comment	49 edays	Thu 8/18/22	Thu 10/6/22	NA	NA																								
1349	DOI review and comment	49 edays	Thu 8/18/22	Thu 10/6/22	NA	NA																								
1350	CWG/TWG review and comment	35 edays	Thu 8/18/22	Thu 9/22/22	NA	NA																								
1351	Tribal Consultation	32 edays	Tue 8/23/22	Sat 9/24/22	NA	NA																								
1352	SHPO for information only	1 day	Mon 8/22/22	Tue 8/23/22	NA	NA																								
1353	Response to Comments/Prepare Final Soil CMS/FS Report (duration to be verified after receipt of comments)	157 days	Thu 10/6/22	Mon 5/15/23	NA	NA																								
1354	Review/compile Comment Table	1 mon	Thu 10/6/22	Fri 11/4/22	NA	NA																								
1355	Comment clarification meeting	0 days	Thu 10/13/22	Thu 10/13/22	NA	NA																								
1356	Prepare/send RTC Table	2 mons	Fri 11/4/22	Tue 1/3/23	NA	NA																								
1357	RTC Meeting	10 days	Tue 1/3/23	Tue 1/17/23	NA	NA																								
1358	Send agenda (2 wks prior to meeting)	0 days	Tue 1/3/23	Tue 1/3/23	NA	NA																								
1359	Hold Meeting	0 days	Tue 1/17/23	Tue 1/17/23	NA	NA																								
1360	Prepare Final Soil CMS/FS Report	3 mons	Tue 1/17/23	Fri 4/14/23	NA	NA																								
1361	DTSC review and concur	1 mon	Fri 4/14/23	Mon 5/15/23	NA	NA																								
1362	DOI review and concur	1 mon	Fri 4/14/23	Mon 5/15/23	NA	NA																								
1363	CEQA Evaluation (Place Holder Item only. Details including duration will be provided after the prior steps are better defined))	3 mons	Mon 5/15/23	Thu 8/10/23	NA	NA																								
1364	STATEMENT OF BASIS	3614.5 days	Mon 1/4/10	Wed 11/1/23	Mon 1/4/10	NA																								
1365	Groundwater	284 days	Mon 1/4/10	Mon 1/31/11	Mon 1/4/10	Mon 1/31/11																								
1372	Soil	121 days	Tue 5/16/23	Wed 11/1/23	NA	NA																								
1373	Prepare fact sheet for proposed remedy	1 mon	Tue 5/16/23	Wed 6/14/23	NA	NA																								
1374	Prepare public notice package/Statement of Basis	2 mons	Mon 5/22/23	Wed 7/19/23	NA	NA																								
1375	Public Notice/Comment Period	46 edays	Thu 7/20/23	Mon 9/4/23	NA	NA																								

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1734	Stakeholder Attending Construction Kick-Off Meeting at Site	1 day	Tue 10/2/18	Tue 10/2/18	Tue 10/2/18	Tue 10/2/18																												
1735	Stakeholder Attending Construction Kick-Off Meeting at Site	1 day	Tue 10/2/18	Tue 10/2/18	Tue 10/2/18	Tue 10/2/18																												
1736	Stakeholder Attending Construction Kick-Off Meeting at Site	1 day	Tue 10/2/18	Tue 10/2/18	Tue 10/2/18	Tue 10/2/18																												
1737	Major Phase 1 Construction Activities	780 days	Thu 10/4/18	Mon 9/27/21	Thu 10/4/18	NA																												
1738	Build Construction Headquarters	9.67 mons	Thu 10/4/18	Fri 7/12/19	Thu 10/4/18	Fri 7/12/19																												
1739	Build Soil Processing Yard	11.1 mons	Mon 11/12/18	Tue 10/1/19	Mon 11/12/18	Tue 10/1/19																												
1740	Install Pilot Borings, Monitoring Wells, and Remediation Wells	25 mons	Fri 11/2/18	Wed 11/4/20	Fri 11/2/18	Wed 11/4/20																												
1741	Build IRZ Ring Road	5 mons	Wed 4/17/19	Tue 9/10/19	Wed 4/17/19	Tue 9/10/19																												
1742	Install Remedy Pipelines	29 mons	Mon 2/4/19	Wed 6/2/21	Mon 2/4/19	Wed 6/2/21																												
1743	Install Remedy Facilities at MW-20 Bench	20.29 mons	Mon 12/16/19	Fri 7/30/21	Mon 12/16/19	NA																												
1744	Install Electrical and Control System	32.4 mons	Wed 1/30/19	Tue 9/7/21	Wed 1/30/19	NA																												
1745	System Integration and Functional Testing	119 edays	Mon 5/31/21	Mon 9/27/21	NA	NA																												
1746	Shut down IM, Start-up and Initial Operation of NTH IRZ	24.8 mons	Tue 9/28/21	Tue 9/26/23	NA	NA																												
1747	Construct Phase 2 Components	12.5 mons	Tue 9/26/23	Fri 9/27/24	NA	NA																												
1748	Commissioning and Start-up Phase 2	12 mons	Fri 9/27/24	Tue 9/16/25	NA	NA																												
1749	Start-up Complete/Start Full Remedy Operations	0 days	Tue 9/16/25	Tue 9/16/25	NA	NA																												
1750	Construction Close-out	12.6 mons	Fri 9/27/24	Thu 10/2/25	NA	NA																												
1751	Reporting	1512 days	Mon 11/19/18	Fri 8/30/24	NA	NA																												
1752	Prepare/submit monthly construction progress reports	72 mons	Mon 11/19/18	Fri 8/30/24	NA	NA																												
1753	Start Operation and Maintenance	0 days	Wed 9/17/25	Wed 9/17/25	NA	NA																												

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