

HANDOUT 9A - TOPOCK REMEDIATION PROJECT SCHEDULE (REV. 39) DECEMBER 5, 2018 CWG MEETING

ID	Task Name	Duration	Forecasted Start	Forecasted Finish	Actual Start	Actual Finish	2018				2019				2020				2021				2022				2023			
							Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
998	DOI review/approve	1 mon	Mon 7/1/19	Mon 7/29/19	NA	NA																								
999	RFI/RI Volume 3	661.85 days	Fri 7/28/17	Fri 2/7/20	Fri 7/28/17	NA																								
1000	Prepare Draft RFI/RI Vol 3 Report	23.85 mons	Fri 7/28/17	Thu 6/27/19	Fri 7/28/17	NA																								
1001	DTSC sends report to CWG/TWG and Tribes	3 days	Thu 6/27/19	Tue 7/2/19	NA	NA																								
1002	CWG/TWG review/comment	30 edays	Tue 7/2/19	Thu 8/1/19	NA	NA																								
1003	Tribes review/comment	30 edays	Tue 7/2/19	Thu 8/1/19	NA	NA																								
1004	DTSC review/comment	45 edays	Tue 7/2/19	Fri 8/16/19	NA	NA																								
1005	DOI review/comment	45 edays	Tue 7/2/19	Fri 8/16/19	NA	NA																								
1006	Review/compile Comment Table (duration will be verified after receipt of comments and directives)	31 edays	Mon 8/19/19	Thu 9/19/19	NA	NA																								
1007	DTSC/DOI/PG&E hold comment clarification meeting (date is tentative)	0 days	Tue 8/20/19	Tue 8/20/19	NA	NA																								
1008	Prepare/send RTC Table (duration will be verified after receipt of comments)	4 wks	Fri 9/20/19	Fri 10/18/19	NA	NA																								
1009	RTC Meeting	10 days	Fri 10/25/19	Fri 11/8/19	NA	NA																								
1010	Send agenda (2 wks prior to meeting)	0 days	Fri 10/25/19	Fri 10/25/19	NA	NA																								
1011	Hold Meeting	0 days	Fri 11/8/19	Fri 11/8/19	NA	NA																								
1012	Prepare Revised RFI Volume 3 with RTC Table (duration is estimated, to be verified after completion of RTCs)	2 mons	Mon 11/11/19	Wed 1/8/20	NA	NA																								
1013	DTSC review/approve Revised RFI/RI Vol. 3 Report	1 mon	Thu 1/9/20	Fri 2/7/20	NA	NA																								
1014	DOI review/approve Revised RFI/RI Vol. 3 Report	1 mon	Thu 1/9/20	Fri 2/7/20	NA	NA																								
1015	GROUNDWATER CORRECTIVE MEASURES/REMEDIAL ALTERNATIVE DEVELOPMENT	2835 days	Mon 3/29/04	Wed 12/31/14	Mon 3/29/04	Wed 12/31/14																								
1163	CORRECTIVE MEASURE STUDY/FEASIBILITY STUDY (CMS/FS) AND RISK ASSESSMENT	4734 days	Mon 12/16/02	Fri 12/25/20	Mon 12/16/02	NA																								
1345	STATEMENT OF BASIS	2979.6 days	Mon 1/4/10	Wed 5/26/21	Mon 1/4/10	NA																								
1360	RECORD OF DECISION	3081 days	Fri 12/18/09	Wed 9/29/21	Fri 12/18/09	NA																								
1383	Section 106 Programmatic Agreement (PA)	1858 days	Fri 10/10/08	Wed 11/18/15	Fri 10/10/08	NA																								
1416	EIR DOCUMENTATION	1449 days	Thu 9/1/05	Wed 3/2/11	Thu 9/1/05	Wed 3/2/11																								
1489	DESIGN, PERMITTING, AND CONSTRUCTION OF GROUNDWATER REMEDY	1889 days	Mon 1/31/11	Tue 4/24/18	Mon 1/31/11	Tue 4/24/18																								
1490	Corrective Measure Implementation/Remedial Design (CMI/RD) Workplan	199 days	Mon 1/31/11	Thu 11/3/11	Mon 1/31/11	Thu 11/3/11																								
1504	Remedial Design (Preliminary, Intermediate, and Pre-Final/Final)	1723 days	Tue 9/20/11	Tue 4/24/18	Tue 9/20/11	Tue 4/24/18																								
1505	Preliminary Design	174 days	Tue 9/20/11	Thu 5/17/12	Tue 9/20/11	Thu 5/17/12																								
1517	Intermediate Design	501 days	Fri 5/18/12	Fri 4/18/14	Fri 5/18/12	Fri 4/18/14																								
1546	Implementation Plan for Evaluation of Alternative Freshwater Sources	422 days	Fri 11/16/12	Mon 6/30/14	Fri 11/16/12	Mon 6/30/14																								
1585	Field Verification of Archaeological/Historical Sites in Groundwater Remedy Footprint	4 days	Tue 9/9/14	Fri 9/12/14	Tue 9/9/14	Fri 9/12/14																								
1586	Prepare/submit Field Verification Report	28 days	Mon 9/15/14	Wed 10/22/14	Mon 9/15/14	Wed 10/22/14																								
1587	Survey of Archaeological/Historical Sites in Expanded Area at Park Moabi	1 day	Tue 12/2/14	Tue 12/2/14	Tue 12/2/14	Tue 12/2/14																								
1588	Survey of Biological Resources in Expanded Area at Park Moabi	3 days	Wed 11/19/14	Fri 11/21/14	Wed 11/19/14	Fri 11/21/14																								
1589	Annual archeological monitoring and site condition assessments	7 days	Thu 12/11/14	Fri 12/19/14	Thu 12/11/14	Fri 12/19/14																								
1590	Pre-Final/Final Design (include plan for decommissioning, removal, and restoration of IM3 facility)	423 days	Mon 4/7/14	Wed 11/18/15	Mon 4/7/14	Wed 11/18/15																								
1639	Construction/Remedial Action Work Plan	423 days	Mon 4/7/14	Wed 11/18/15	Mon 4/7/14	Wed 11/18/15																								
1649	State CEQA Evaluation	793 days	Mon 4/13/15	Tue 4/24/18	Mon 4/13/15	Tue 4/24/18																								
1677	Community Outreach	1710 days	Fri 10/7/11	Tue 4/24/18	Fri 10/7/11	Tue 4/24/18																								
1687	Project Contracting	2.9 mons	Wed 4/4/18	Wed 6/27/18	Wed 4/4/18	NA																								
1688	Construction (this is a preliminary construction schedule for planning purposes)	1370.6 days	Wed 6/27/18	Mon 9/25/23	Wed 6/27/18	NA																								
1689	Pre-Construction	68 days	Wed 6/27/18	Sun 9/30/18	Wed 6/27/18	Sun 9/30/18																								

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Tasks Not Started/In Progress Overall Task Duration Manual Task Start-only

Tasks Finished Inactive Task Duration-only Finish-only

Baseline Schedule Inactive Milestone Manual Summary Rollup

Milestone Inactive Summary Manual Summary

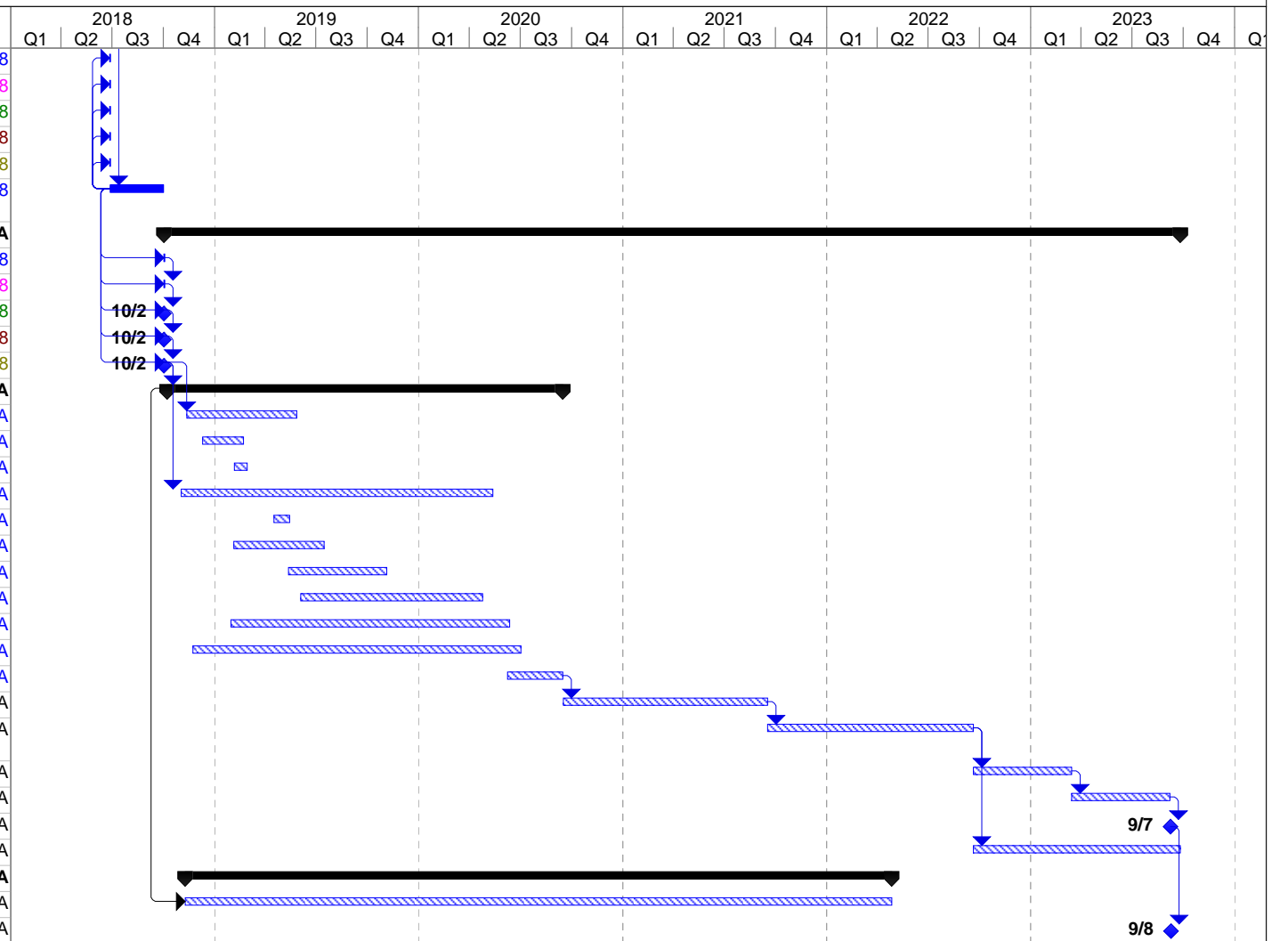
edays = calendar days; days = work days
Baseline Schedule is the 8/15/07 CWG Schedule (rev 1, 12/12/07).
*Timeframes shown are for planning purpose. Actual timeframes may vary.

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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ID	Task Name	Duration	Forecasted Start	Forecasted Finish	Actual Start	Actual Finish	2018				2019				2020				2021				2022				2023			
							Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
1690	Stakeholder Attending Mobilization Kick-Off Meeting at Site	1 day	Wed 6/27/18	Wed 6/27/18	Wed 6/27/18	Wed 6/27/18																								
1691	Stakeholder Attending Mobilization Kick-Off Meeting at Site	1 day	Wed 6/27/18	Wed 6/27/18	Wed 6/27/18	Wed 6/27/18																								
1692	Stakeholder Attending Mobilization Kick-Off Meeting at Site	1 day	Wed 6/27/18	Wed 6/27/18	Wed 6/27/18	Wed 6/27/18																								
1693	Stakeholder Attending Mobilization Kick-Off Meeting at Site	1 day	Wed 6/27/18	Wed 6/27/18	Wed 6/27/18	Wed 6/27/18																								
1694	Stakeholder Attending Mobilization Kick-Off Meeting at Site	1 day	Wed 6/27/18	Wed 6/27/18	Wed 6/27/18	Wed 6/27/18																								
1695	Mobilization (Setup temp construction trailers, construction water, construction signage, access routes, etc.)	95.38 edays	Wed 6/27/18	Sun 9/30/18	Wed 6/27/18	Sun 9/30/18																								
1696	Construction and Start-up Activities	1301.6 days	Tue 10/2/18	Mon 9/25/23	Tue 10/2/18	NA																								
1697	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																								
1698	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																								
1699	Stakeholder Attending Construction Kick-Off Meeting at Site	0 days	Tue 10/2/18	Tue 10/2/18	Tue 10/2/18	Tue 10/2/18																								
1700	Stakeholder Attending Construction Kick-Off Meeting at Site	0 days	Tue 10/2/18	Tue 10/2/18	Tue 10/2/18	Tue 10/2/18																								
1701	Stakeholder Attending Construction Kick-Off Meeting at Site	0 days	Tue 10/2/18	Tue 10/2/18	Tue 10/2/18	Tue 10/2/18																								
1702	Major Phase 1 Construction Activities	507 days	Mon 10/8/18	Tue 9/15/20	Mon 10/8/18	NA																								
1703	Build Construction Headquarters	6.75 mons	Mon 11/12/18	Mon 5/27/19	Mon 11/12/18	NA																								
1704	Build Soil Processing Yard	2.6 mons	Mon 12/10/18	Thu 2/21/19	Mon 12/10/18	NA																								
1705	Install Remedy Storm Drain at Transwestern Bench	23 edays	Tue 2/5/19	Thu 2/28/19	NA	NA																								
1706	Install Pilot Borings, Monitoring Wells, and Remediation Wells	19 mons	Mon 10/8/18	Tue 5/12/20	Mon 10/8/18	NA																								
1707	Build IRZ Ring Road	28 edays	Wed 4/17/19	Wed 5/15/19	NA	NA																								
1708	Install Remedy Pipelines	5.5 mons	Mon 2/4/19	Mon 7/15/19	NA	NA																								
1709	Install Remedy Facilities at MW-20 Bench	6 mons	Mon 5/13/19	Mon 11/4/19	NA	NA																								
1710	Install Remedy Facilities at TCS and TCS Ponds	11.1 mons	Tue 6/4/19	Fri 4/24/20	NA	NA																								
1711	Install Electrical and Control System	17 mons	Wed 1/30/19	Thu 6/11/20	NA	NA																								
1712	Site Stabilization/Revegetation	20 mons	Fri 11/23/18	Wed 7/1/20	NA	NA																								
1713	System Integration and Functional Testing	99 edays	Mon 6/8/20	Tue 9/15/20	NA	NA																								
1714	Shut down IM and Start-up IRZ	12.5 mons	Wed 9/16/20	Thu 9/16/21	NA	NA																								
1715	Construct Phase 2 Components Construction (Freshwater Injection System, Inner Recirculation Loop, and TCS Recirculation Loop, Wells)	12.5 mons	Thu 9/16/21	Mon 9/19/22	NA	NA																								
1716	Commissioning and Start-up Freshwater Injection	6 mons	Tue 9/20/22	Tue 3/14/23	NA	NA																								
1717	Start-up Inner Recirculation/TCS Loop	6 mons	Wed 3/15/23	Wed 9/6/23	NA	NA																								
1718	Start-up Complete/Start Full Remedy Operations	0 days	Thu 9/7/23	Thu 9/7/23	NA	NA																								
1719	Construction Close-out	12.6 mons	Tue 9/20/22	Mon 9/25/23	NA	NA																								
1720	Reporting	905 days	Fri 11/9/18	Tue 4/26/22	Fri 11/9/18	NA																								
1721	Prepare/submit monthly construction progress reports	43.1 mons	Fri 11/9/18	Tue 4/26/22	Fri 11/9/18	NA																								
1722	Start Operation and Maintenance	0 days	Fri 9/8/23	Fri 9/8/23	NA	NA																								



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Tasks Not Started/In Progress		Overall Task Duration		Manual Task		Start-only	
Tasks Finished		Inactive Task		Duration-only		Finish-only	
Baseline Schedule		Inactive Milestone		Manual Summary Rollup			
Milestone		Inactive Summary		Manual Summary			

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