

HANDOUT 9A - TOPOCK REMEDIATION PROJECT SCHEDULE (REV. 26) APRIL 22, 2015 CWG MEETING

ID	Task Name	Duration	Forecasted Start	Forecasted Finish	Actual Start	Actual Finish	2014												2015												2016												2017											
							Qtr 3			Qtr 4			Qtr 1			Qtr 2			Qtr 3			Qtr 4			Qtr 1			Qtr 2			Qtr 3			Qtr 4			Qtr 1			Qtr 2			Qtr 3			Qtr 4								
							J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M
856	State CEQA evaluation	706 days	Mon 11/12/12	Mon 7/27/15	Mon 11/12/12	NA	[Gantt bar from Mon 11/12/12 to Mon 7/27/15]																																															
857	Prepare Notice of Preparation	13 days	Mon 11/12/12	Wed 11/28/12	Mon 11/12/12	Wed 11/28/12	[Gantt bar from Mon 11/12/12 to Wed 11/28/12]																																															
865	NOP Public Review	34 days	Wed 11/28/12	Mon 1/14/13	Wed 11/28/12	Mon 1/14/13	[Gantt bar from Wed 11/28/12 to Mon 1/14/13]																																															
866	Public Review	47.38 edays	Wed 11/28/12	Mon 1/14/13	Wed 11/28/12	Mon 1/14/13	[Gantt bar from Wed 11/28/12 to Mon 1/14/13]																																															
867	Public Scoping Meetings	3 days	Tue 12/11/12	Thu 12/13/12	Tue 12/11/12	Thu 12/13/12	[Gantt bar from Tue 12/11/12 to Thu 12/13/12]																																															
868	Prepare Draft EIR	390 days	Mon 1/7/13	Fri 7/4/14	Mon 1/7/13	Fri 7/4/14	[Gantt bar from Mon 1/7/13 to Fri 7/4/14]																																															
885	Draft EIR Public Review	44 days	Mon 7/7/14	Fri 9/5/14	Mon 7/7/14	Fri 9/5/14	[Gantt bar from Mon 7/7/14 to Fri 9/5/14]																																															
886	DTSC approved a request for extension of the Public Comment Period	0 days	Mon 8/11/14	Mon 8/11/14	Mon 8/11/14	Mon 8/11/14	[Gantt bar from Mon 8/11/14 to Mon 8/11/14]																																															
887	60-Day Public Review	60 edays	Mon 7/7/14	Fri 9/5/14	Mon 7/7/14	Fri 9/5/14	[Gantt bar from Mon 7/7/14 to Fri 9/5/14]																																															
888	Public Meeting/Hearing	4.38 edays	Mon 7/21/14	Fri 7/25/14	Mon 7/21/14	Fri 7/25/14	[Gantt bar from Mon 7/21/14 to Fri 7/25/14]																																															
889	Final EIR, Response to Comments, Findings, MMRP	126 days	Mon 9/8/14	Mon 3/2/15	Mon 9/8/14	Mon 3/2/15	[Gantt bar from Mon 9/8/14 to Mon 3/2/15]																																															
890	DEIR Comment Review and Characterization	2 wks	Mon 9/8/14	Fri 9/19/14	Mon 9/8/14	Fri 9/19/14	[Gantt bar from Mon 9/8/14 to Fri 9/19/14]																																															
891	ESA Compile & Prepare 1st Admin Draft RTC/EIR revision	50 days	Mon 9/22/14	Fri 11/28/14	Mon 9/22/14	Fri 11/28/14	[Gantt bar from Mon 9/22/14 to Fri 11/28/14]																																															
892	DTSC/ESA Response Direction Meeting	0 days	Mon 9/22/14	Mon 9/22/14	Mon 9/22/14	Mon 9/22/14	[Gantt bar from Mon 9/22/14 to Mon 9/22/14]																																															
893	Cultural Resources Mitigation Measure Meeting	0 days	Wed 10/1/14	Wed 10/1/14	Wed 10/1/14	Wed 10/1/14	[Gantt bar from Wed 10/1/14 to Wed 10/1/14]																																															
894	ESA Compiles 1st Admin Draft RTC/EIR	10 wks	Mon 9/22/14	Fri 11/28/14	Mon 9/22/14	Fri 11/28/14	[Gantt bar from Mon 9/22/14 to Fri 11/28/14]																																															
895	DTSC Review 1st Admin Draft RTC/FEIR/Findings/MMRP	3 wks	Mon 12/1/14	Fri 12/19/14	Mon 12/1/14	Fri 12/19/14	[Gantt bar from Mon 12/1/14 to Fri 12/19/14]																																															
896	DTSC/ESA Comment Resolution Meeting	1 day	Fri 12/19/14	Fri 12/19/14	Fri 12/19/14	Fri 12/19/14	[Gantt bar from Fri 12/19/14 to Fri 12/19/14]																																															
897	ESA/DTSC resolve Final EIR Outstanding Issues	3 wks	Mon 12/22/14	Fri 1/9/15	Mon 12/22/14	Fri 1/9/15	[Gantt bar from Mon 12/22/14 to Fri 1/9/15]																																															
898	DTSC/ESA Comment Resolution Meeting	0.2 wks	Tue 1/6/15	Tue 1/6/15	Tue 1/6/15	Tue 1/6/15	[Gantt bar from Tue 1/6/15 to Tue 1/6/15]																																															
899	ESA Prepare Screencheck FEIR	4 wks	Mon 1/12/15	Fri 2/6/15	Mon 1/12/15	Fri 2/6/15	[Gantt bar from Mon 1/12/15 to Fri 2/6/15]																																															
900	DTSC Review Screencheck FEIR	3.2 wks	Mon 2/9/15	Mon 3/2/15	Mon 2/9/15	Mon 3/2/15	[Gantt bar from Mon 2/9/15 to Mon 3/2/15]																																															
901	Bat Habitat Assessment	22 days	Thu 1/29/15	Fri 2/27/15	Thu 1/29/15	Fri 2/27/15	[Gantt bar from Thu 1/29/15 to Fri 2/27/15]																																															
902	Bat Habitat Assessment	2 days	Thu 1/29/15	Fri 1/30/15	Thu 1/29/15	Fri 1/30/15	[Gantt bar from Thu 1/29/15 to Fri 1/30/15]																																															
903	Bat Habitat Assessment White Paper	4 wks	Mon 2/2/15	Fri 2/27/15	Mon 2/2/15	Fri 2/27/15	[Gantt bar from Mon 2/2/15 to Fri 2/27/15]																																															
904	Recirculated Biological Resources Section	65 days	Mon 3/2/15	Mon 6/1/15	Mon 3/2/15	NA	[Gantt bar from Mon 3/2/15 to Mon 6/1/15]																																															
905	ESA Prepape Administrative Draft Recirculated Biological Resources Section and Notices	14 days	Mon 3/2/15	Thu 3/19/15	Mon 3/2/15	Thu 3/19/15	[Gantt bar from Mon 3/2/15 to Thu 3/19/15]																																															
906	DTSC Review Administrative Draft Recirculated Biological Resources Section and Notices	9 days	Fri 3/20/15	Wed 4/1/15	Fri 3/20/15	Wed 4/1/15	[Gantt bar from Fri 3/20/15 to Wed 4/1/15]																																															
907	ESA Prepape and Produce Final Recirculated Biological Resources Section and Notices	10 days	Thu 4/2/15	Wed 4/15/15	Thu 4/2/15	Wed 4/15/15	[Gantt bar from Thu 4/2/15 to Wed 4/15/15]																																															
908	Public Review of Final Recirculated Biological Resources Section and Notices	47 edays	Wed 4/15/15	Mon 6/1/15	Wed 4/15/15	NA	[Gantt bar from Wed 4/15/15 to Mon 6/1/15]																																															
909	Response to Comments and Preparation of Final EIR	26 days	Tue 6/2/15	Tue 7/7/15	NA	NA	[Gantt bar from Tue 6/2/15 to Tue 7/7/15]																																															
910	ESA Prepape Response to Comments on Recirculated Biological Resources Section	13 days	Tue 6/2/15	Thu 6/18/15	NA	NA	[Gantt bar from Tue 6/2/15 to Thu 6/18/15]																																															
911	DTSC Review Response to Comments on Recirculated Biological Resources Section	4 days	Fri 6/19/15	Wed 6/24/15	NA	NA	[Gantt bar from Fri 6/19/15 to Wed 6/24/15]																																															
912	ESA Prepare Screencheck FEIR including Response to Comments	5 days	Thu 6/25/15	Wed 7/1/15	NA	NA	[Gantt bar from Thu 6/25/15 to Wed 7/1/15]																																															
913	DTSC Review Screencheck FEIR including Response to Comments	4 days	Thu 7/2/15	Tue 7/7/15	NA	NA	[Gantt bar from Thu 7/2/15 to Tue 7/7/15]																																															
914	Findings, SOCs, Resolutions	161 days	Mon 12/15/14	Mon 7/27/15	Mon 12/15/14	NA	[Gantt bar from Mon 12/15/14 to Mon 7/27/15]																																															
915	ESA Prepare Findings/SOCs/Resolutions and Legal Review	6.7 mons	Mon 12/15/14	Mon 6/29/15	Mon 12/15/14	NA	[Gantt bar from Mon 12/15/14 to Mon 6/29/15]																																															
916	DTSC Review Findings/SOCs/Resolutions	2 wks	Mon 6/29/15	Mon 7/13/15	NA	NA	[Gantt bar from Mon 6/29/15 to Mon 7/13/15]																																															
917	ESA Prepare Final Findings/SOCs/Resolutions	2 wks	Tue 7/14/15	Mon 7/27/15	NA	NA	[Gantt bar from Tue 7/14/15 to Mon 7/27/15]																																															
918	FEIR Production, Certification, Notice of Determination	14 days	Wed 7/8/15	Mon 7/27/15	NA	NA	[Gantt bar from Wed 7/8/15 to Mon 7/27/15]																																															
919	ESA Produces FEIR including Response to Comments	7 days	Wed 7/8/15	Thu 7/16/15	NA	NA	[Gantt bar from Wed 7/8/15 to Thu 7/16/15]																																															
920	10 Day FEIR Circulation	10 edays	Thu 7/16/15	Sun 7/26/15	NA	NA	[Gantt bar from Thu 7/16/15 to Sun 7/26/15]																																															
921	DTSC Certifies Final EIR/ESA Files NOD	1 day	Mon 7/27/15	Mon 7/27/15	NA	NA	[Gantt bar from Mon 7/27/15 to Mon 7/27/15]																																															
922	DTSC approve Final Work Plan	0 days	Mon 7/27/15	Mon 7/27/15	NA	NA	[Gantt bar from Mon 7/27/15 to Mon 7/27/15]																																															

Project: PG&E Topock Remediation Project
Date: Thu 4/16/15

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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.

HANDOUT 9A - TOPOCK REMEDIATION PROJECT SCHEDULE (REV. 26) APRIL 22, 2015 CWG MEETING

ID	Task Name	Duration	Forecasted Start	Forecasted Finish	Actual Start	Actual Finish	2014				2015				2016				2017												
							J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J
1287	Tribal Consultation (Section 106)	30 edays	Mon 10/1/18	Wed 10/31/18	NA	NA																									
1288	SHPO for information only	1 day	Tue 10/2/18	Tue 10/2/18	NA	NA																									
1289	Prepare Final Soil CMS/FS Report	90 days	Thu 11/1/18	Wed 3/6/19	NA	NA																									
1290	Prepare Response to Comments (duration to be confirmed after receipt of commer	4 wks	Thu 11/1/18	Wed 11/28/18	NA	NA																									
1291	Complete resolution on Response to Comments	5 wks	Thu 11/29/18	Wed 1/2/19	NA	NA																									
1292	Prepare Final Soil CMS/FS Report	5 wks	Thu 1/3/19	Wed 2/6/19	NA	NA																									
1293	DTSC review and concur	4 wks	Thu 2/7/19	Wed 3/6/19	NA	NA																									
1294	DOI review and concur	4 wks	Thu 2/7/19	Wed 3/6/19	NA	NA																									
1295	STATEMENT OF BASIS	2505.6 days	Mon 1/4/10	Tue 8/6/19	Mon 1/4/10	NA	—————																								
1310	RECORD OF DECISION	2606 days	Fri 12/18/09	Mon 12/9/19	Fri 12/18/09	NA	—————																								
1333	Section 106 Programmatic Agreement (PA)	1829 days	Fri 10/10/08	Thu 10/8/15	Fri 10/10/08	NA	—————																								
1366	EIR DOCUMENTATION	1449 days	Thu 9/1/05	Wed 3/2/11	Thu 9/1/05	Wed 3/2/11	—————																								
1439	DESIGN, PERMITTING, AND CONSTRUCTION OF GROUNDWATER REMEDY	1261 days	Mon 1/31/11	Fri 11/27/15	Mon 1/31/11	NA	—————																								
1440	Corrective Measure Implementation/Remedial Design (CMI/RD) Workplan	199 days	Mon 1/31/11	Thu 11/3/11	Mon 1/31/11	NA	—————																								
1454	Remedial Design (Preliminary, Intermediate, and Pre-Final/Final)	1069 days	Tue 9/20/11	Thu 10/22/15	Tue 9/20/11	NA	—————																								
1455	Preliminary Design	174 days	Tue 9/20/11	Thu 5/17/12	Tue 9/20/11	Thu 5/17/12	—————																								
1467	Intermediate Design	501 days	Fri 5/18/12	Fri 4/18/14	Fri 5/18/12	Fri 4/18/14	—————																								
1496	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	—————																								
1535	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																									
1536	Prepare/submit Field Verification Report	28 days	Mon 9/15/14	Wed 10/22/14	Mon 9/15/14	Wed 10/22/14																									
1537	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																									
1538	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																									
1539	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																									
1540	Pre-Final/Final Design (include plan for decommissioning, removal, and restoration of IM3 facility)	404 days	Mon 4/7/14	Thu 10/22/15	Mon 4/7/14	NA	—————																								
1541	Documents submitted in advance of 90%	140 days	Wed 4/30/14	Tue 11/11/14	Wed 4/30/14	NA	—————																								
1562	Prepare/submit Pre-Final Design Package	5.29 mons	Mon 4/7/14	Mon 9/8/14	Mon 4/7/14	Mon 9/8/14	—————																								
1563	DTSC forward to CWG/TWG	1 day	Tue 9/9/14	Tue 9/9/14	Tue 9/9/14	Tue 9/9/14	—————																								
1564	Agencies' direction #1 on Supplemental 90%	1 day	Tue 10/21/14	Tue 10/21/14	Tue 10/21/14	Tue 10/21/14	—————																								
1565	Agencies' direction #2 on Supplemental 90%	1 day	Tue 12/23/14	Tue 12/23/14	Tue 12/23/14	Tue 12/23/14	—————																								
1566	Prepare/submit Supplemental Pre-Final Design Package	104.38 edays	Tue 10/21/14	Mon 2/2/15	Tue 10/21/14	Mon 2/2/15	—————																								
1567	CWG/TWG review/comment on Pre-Final Design Package	191.38 edays	Wed 9/10/14	Fri 3/20/15	Wed 9/10/14	Fri 3/20/15	—————																								
1568	Tribal Consultation	163.38 edays	Wed 10/8/14	Fri 3/20/15	Wed 10/8/14	Fri 3/20/15	—————																								
1569	BLM process after close of comment period	11.38 edays	Fri 3/20/15	Tue 3/31/15	Fri 3/20/15	Tue 3/31/15	—————																								
1570	DTSC review/comment on Final Design Package	204.38 edays	Wed 9/10/14	Thu 4/2/15	Wed 9/10/14	Thu 4/2/15	—————																								
1571	DOI review/comment on Final Design Package	202.38 edays	Wed 9/10/14	Tue 3/31/15	Wed 9/10/14	Tue 3/31/15	—————																								
1572	Response to Comments and Comment Resolution	109 days	Fri 4/3/15	Wed 9/2/15	NA	NA	—————																								
1573	Prepare response to comments	60 days	Fri 4/3/15	Thu 6/25/15	NA	NA	—————																								
1574	Prepare response to comments	60 days	Fri 4/3/15	Thu 6/25/15	NA	NA	—————																								
1575	Prepare response to comments	60 days	Fri 4/3/15	Thu 6/25/15	NA	NA	—————																								
1576	Send complete RTC Table to Tribes/CWG/TWG	0 days	Fri 6/26/15	Fri 6/26/15	NA	NA	—————																								
1577	Commenters to identify comments they want to discuss at July 22 TWG and send to DTSC	1 wk	Mon 6/29/15	Fri 7/3/15	NA	NA	—————																								
1578	DTSC sends agenda for July 22 TWG	0 days	Wed 7/8/15	Wed 7/8/15	NA	NA	—————																								
1579	Comment resolution meeting #1 - July 22 TWG	0 days	Wed 7/22/15	Wed 7/22/15	NA	NA	—————																								
1580	Commenters to identify comments they want to discuss at August 19 TWG and send to DTSC	0 days	Wed 7/29/15	Wed 7/29/15	NA	NA	—————																								
1581	DTSC sends agenda for August 19 TWG	0 days	Wed 8/5/15	Wed 8/5/15	NA	NA	—————																								
1582	Comment resolution meeting #2 - August 19 TWG	0 days	Wed 8/19/15	Wed 8/19/15	NA	NA	—————																								

Tasks Not Started/In Progress

Tasks Finished

Baseline Schedule

Milestone

Inactive Task

Inactive Milestone

Inactive Summary

Overall Task Duration

Manual Task

Duration-only

Manual Summary Rollup

Manual Summary

Start-only

Finish-only

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HANDOUT 9A - TOPOCK REMEDIATION PROJECT SCHEDULE (REV. 26)

APRIL 22, 2015 CWG MEETING

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							Qtr 3		Qtr 4		Qtr 1		Qtr 2		Qtr 3		Qtr 4		Qtr 1		Qtr 2		Qtr 3				
							J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M
1630	Vertical Structures Installation	28 mons	Mon 5/2/16	Wed 8/1/18	NA	NA																					
1631	Commissioning	8.5 mons	Wed 2/7/18	Mon 10/15/18	NA	NA																					
1632	Construction Closeout	14.3 mons	Tue 10/16/18	Tue 12/10/19	NA	NA																					
1633	Reporting	934.5 days	Thu 6/16/16	Wed 1/15/20	NA	NA																					
1634	Prepare/submit monthly construction progress reports	44.5 mons	Thu 6/16/16	Wed 1/15/20	NA	NA																					
1635	Startup	316 days	Mon 10/15/18	Tue 12/31/19	NA	NA																					
1636	Shutdown IM extraction/treatment/injection	1 day	Mon 10/15/18	Tue 10/16/18	NA	NA																					
1637	Inject carbon/build NTH IRZ (6-12mons)	12 mons	Tue 10/16/18	Thu 10/3/19	NA	NA																					
1638	Inject freshwater(3-6mons)	6 mons	Wed 4/10/19	Thu 10/3/19	NA	NA																					
1639	Activate Inner recirculation loop (3-6mons)	6 mons	Mon 7/8/19	Tue 12/31/19	NA	NA																					
1640	Activate TCS recirculation loop (3-6mons)	6 mons	Mon 7/8/19	Tue 12/31/19	NA	NA																					
1641	Startup complete/start full remedy operations	0 days	Tue 12/31/19	Tue 12/31/19	NA	NA																					
1642	Start Operation and Maintenance	0 days	Tue 12/31/19	Tue 12/31/19	NA	NA																					

Project: PG&E Topock Remediation Project
Date: Thu 4/16/15

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Tasks Finished

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