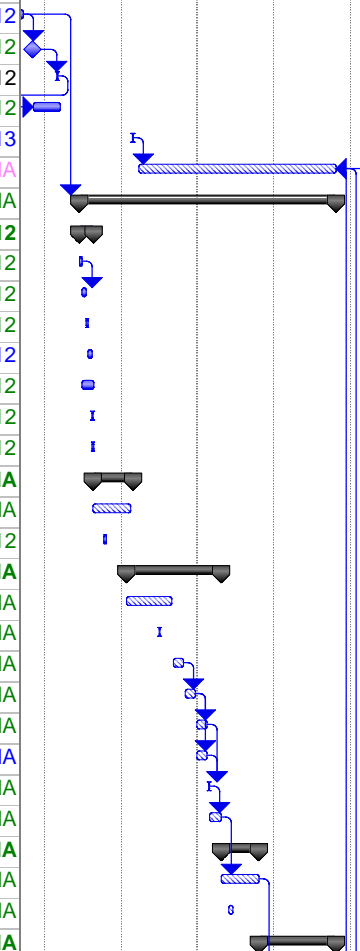


HANDOUT 5A

TOPOCK REMEDIATION PROJECT SCHEDULE

JANUARY 16, 2013 CWG MEETING (REV. 17)

ID	Task Name	Duration	Forecasted Start	Forecasted Finish	Actual Start	Actual Finish	2013												2014				2015						
							Qtr 4			Qtr 1			Qtr 2			Qtr 3			Qtr 4			Qtr 1		Qtr 2		Qtr 3		Qtr 4	
							S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J
833	CWG/TWG review/comment on Soil Work Plan	83.38 edays	Tue 5/10/11	Mon 8/1/11	Tue 5/10/11	Mon 8/1/11																							
834	Tribal Consultation	66.38 edays	Fri 5/27/11	Mon 8/1/11	Fri 5/27/11	Mon 8/1/11																							
835	SHPO Consultation	66.38 edays	Fri 5/27/11	Mon 8/1/11	Fri 5/27/11	Mon 8/1/11																							
836	FMIT comment on DTSC's/DOI's comments	0 days	Fri 9/9/11	Fri 9/9/11	Fri 9/9/11	Fri 9/9/11																							
837	FMIT, Hualapai, DTSC and DOI discuss FMIT's comments on Agencies' comments	1 day	Thu 9/15/11	Thu 9/15/11	Thu 9/15/11	Thu 9/15/11																							
838	DTSC respond to FMIT's comment on DTSC's comments	1 day	Thu 10/6/11	Thu 10/6/11	Thu 10/6/11	Thu 10/6/11																							
839	DOI respond to FMIT's comment on DOI's comments	1 day	Thu 10/6/11	Thu 10/6/11	Thu 10/6/11	Thu 10/6/11																							
840	DTSC provides additional direction to PGE	1 day	Fri 10/7/11	Fri 10/7/11	Fri 10/7/11	Fri 10/7/11																							
841	DOI provides additional direction to PG&E	1 day	Fri 10/7/11	Fri 10/7/11	Fri 10/7/11	Fri 10/7/11																							
842	Comment resolution	42.2 wks	Mon 8/22/11	Fri 6/15/12	Mon 8/22/11	Fri 6/15/12																							
843	Draft response to comments to Tribes	1 day	Wed 12/14/11	Wed 12/14/11	Wed 12/14/11	Wed 12/14/11																							
844	Sitewalk to review soil sample locations	1 day	Thu 12/15/11	Thu 12/15/11	Thu 12/15/11	Thu 12/15/11																							
845	Final response to comments (RTCs) to CWG/TWG/Agencies/Tribes	0 days	Fri 5/11/12	Fri 5/11/12	Fri 5/11/12	Fri 5/11/12																							
846	Meeting to discuss RTCs (after 2weeks review of RTCs by CWG/ TWG/Tribes)	0 days	Fri 6/15/12	Fri 6/15/12	Fri 6/15/12	Fri 6/15/12																							
847	PG&E submits Revised Work Plan including RTCs	16.4 wks	Fri 5/11/12	Wed 9/5/12	Fri 5/11/12	Wed 9/5/12																							
848	DTSC forward to CWG/TWG	0 days	Mon 9/17/12	Mon 9/17/12	Mon 9/17/12	Mon 9/17/12																							
849	DOI, DTSC, and Tribes met to discuss Soil RTC process	1 day	Tue 10/16/12	Tue 10/16/12	Tue 10/16/12	Tue 10/16/12																							
850	DTSC reviews/comments on Revised Work Plan	24 days	Tue 9/18/12	Fri 10/19/12	Tue 9/18/12	Fri 10/19/12																							
851	PG&E submits Final Work Plan (clean and redline versions)	1 day	Mon 1/14/13	Mon 1/14/13	Mon 1/14/13	Mon 1/14/13																							
852	DOI review/approve Final Work Plan	8.05 mons	Mon 1/21/13	Fri 9/13/13	NA	NA																							
853	State CEQA evaluation/Soil EIR	220 days	Mon 11/12/12	Fri 9/13/13	Mon 11/12/12	NA																							
854	Prepare Notice of Preparation	13 days	Mon 11/12/12	Wed 11/28/12	Mon 11/12/12	Wed 11/28/12																							
855	ESA prepare Admin Draft NOP	3 days	Mon 11/12/12	Wed 11/14/12	Mon 11/12/12	Wed 11/14/12																							
856	DTSC review Admin Draft NOP	3 days	Thu 11/15/12	Mon 11/19/12	Thu 11/15/12	Mon 11/19/12																							
857	ESA prepare Screencheck Draft NOP	2 days	Tue 11/20/12	Wed 11/21/12	Tue 11/20/12	Wed 11/21/12																							
858	PG&E review Screencheck Draft NOP	3 days	Thu 11/22/12	Mon 11/26/12	Thu 11/22/12	Mon 11/26/12																							
859	Prepare EIR Outline	2 wks	Thu 11/15/12	Wed 11/28/12	Thu 11/15/12	Wed 11/28/12																							
860	Comment Resolution Meeting	1 day	Tue 11/27/12	Tue 11/27/12	Tue 11/27/12	Tue 11/27/12																							
861	ESA Revise/Finalize NOP	2 days	Tue 11/27/12	Wed 11/28/12	Tue 11/27/12	Wed 11/28/12																							
862	NOP Public Review	34 days	Wed 11/28/12	Mon 1/14/13	Wed 11/28/12	NA																							
863	Public Review	47.38 edays	Wed 11/28/12	Mon 1/14/13	Wed 11/28/12	NA																							
864	Public Scoping Meetings	3 days	Tue 12/11/12	Thu 12/13/12	Tue 12/11/12	Thu 12/13/12																							
865	Prepare Draft EIR	81 days	Mon 1/7/13	Mon 4/29/13	NA	NA																							
866	ESA Prepare Admin Draft EIR	8 wks	Mon 1/7/13	Fri 3/1/13	NA	NA																							
867	Tribal Discussion Regarding Mitigation Measures	1 day	Fri 2/15/13	Fri 2/15/13	NA	NA																							
868	DTSC Review Admin Draft EIR	2 wks	Mon 3/4/13	Fri 3/15/13	NA	NA																							
869	ESA Prepare Screencheck Draft EIR	2 wks	Mon 3/18/13	Fri 3/29/13	NA	NA																							
870	DTSC Review Screencheck Draft EIR	2 wks	Mon 4/1/13	Fri 4/12/13	NA	NA																							
871	PG&E Review Screencheck Draft EIR	2 wks	Mon 4/1/13	Fri 4/12/13	NA	NA																							
872	Comment Resolution Meeting	1 day	Mon 4/15/13	Mon 4/15/13	NA	NA																							
873	ESA Revise/Finalize Draft EIR	2 wks	Tue 4/16/13	Mon 4/29/13	NA	NA																							
874	Draft EIR Public Review	33 days	Mon 4/29/13	Thu 6/13/13	NA	NA																							
875	Public Review	45 edays	Mon 4/29/13	Thu 6/13/13	NA	NA																							
876	Public Review Period Meetings	3 days	Thu 5/9/13	Mon 5/13/13	NA	NA																							
877	Final EIR	66 days	Fri 6/14/13	Fri 9/13/13	NA	NA																							



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

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 5A

TOPOCK REMEDIATION PROJECT SCHEDULE

JANUARY 16, 2013 CWG MEETING (REV. 17)

ID	Task Name	Duration	Forecasted Start	Forecasted Finish	Actual Start	Actual Finish	2013												2014				2015																
							Qtr 4			Qtr 1			Qtr 2			Qtr 3			Qtr 4			Qtr 1			Qtr 2			Qtr 3			Qtr 4								
							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
1439	Prepare/submit Intermediate Design Package	11 mons	Fri 5/18/12	Fri 4/5/13	Fri 5/18/12	NA																																	
1440	DTSC forward to CWG/TWG	3 days	Mon 4/8/13	Wed 4/10/13	NA	NA																																	
1441	CWG/TWG review/comment on Intermediate Design Package	60 edays	Thu 4/11/13	Mon 6/10/13	NA	NA																																	
1442	Tribes Consultation	60 edays	Thu 4/11/13	Mon 6/10/13	NA	NA																																	
1443	BLM process after close of comment period	15 edays	Mon 6/10/13	Tue 6/25/13	NA	NA																																	
1444	DTSC review/comment on Intermediate Design Package	75 edays	Thu 4/11/13	Tue 6/25/13	NA	NA																																	
1445	DOI review/comment on Intermediate Design Package	75 edays	Thu 4/11/13	Tue 6/25/13	NA	NA																																	
1446	Response to Comments (RTCs)/Comments Resolution	78.5 days	Thu 6/13/13	Tue 10/1/13	NA	NA																																	
1447	DTSC meet with Tribes to discuss comments (timing is approximate, subject to availability)	9 days	Thu 6/13/13	Tue 6/25/13	NA	NA																																	
1448	DOI meet with Tribes to discuss comments (timing is approximate, subject to availability)	9 days	Thu 6/13/13	Tue 6/25/13	NA	NA																																	
1449	Agencies and PG&E resolve comments (duration is approximate, will verify after receipt of comments)	8.5 wks	Wed 6/26/13	Fri 8/23/13	NA	NA																																	
1450	Submit RTCs to Agencies, Tribes and Stakeholders (duration is approximate, will verify after Agencies/	2 wks	Fri 8/23/13	Fri 9/6/13	NA	NA																																	
1451	Meeting to discuss RTCs (2 weeks after submit RTCs)	1 day	Fri 9/20/13	Mon 9/23/13	NA	NA																																	
1452	Comment resolution complete (1 week after RTC meeting)	1 day	Mon 9/30/13	Tue 10/1/13	NA	NA																																	
1453	Intermediate Design Addendum	248 days	Fri 11/16/12	Tue 10/29/13	Fri 11/16/12	NA																																	
1454	Implementation Plan for Evaluation of Alternative Freshwater Sources	62 days	Fri 11/16/12	Mon 2/11/13	Fri 11/16/12	NA																																	
1455	Prepare/submit Fresh Water Implementation Plan	1 day	Tue 11/20/12	Tue 11/20/12	Tue 11/20/12	Tue 11/20/12																																	
1456	DTSC forward to CWG/TWG	0 days	Wed 11/21/12	Wed 11/21/12	Wed 11/21/12	Wed 11/21/12																																	
1457	CWG/TWG review/comment on the Implementation Plan	19 days	Wed 11/21/12	Mon 12/17/12	Wed 11/21/12	Mon 12/17/12																																	
1458	Tribal Consultation	49.38 edays	Wed 11/21/12	Wed 1/9/13	Wed 11/21/12	Wed 1/9/13																																	
1459	DTSC review/comment on the Implementation Plan	23 days	Wed 11/21/12	Fri 12/21/12	Wed 11/21/12	Fri 12/21/12																																	
1460	DOI review/comment on the Implementation Plan	36 days	Wed 11/21/12	Wed 1/9/13	Wed 11/21/12	Wed 1/9/13																																	
1461	Response to Comments (RTCs)/Comment Resolution	22 days	Thu 1/3/13	Fri 2/1/13	Thu 1/3/13	NA																																	
1462	DOI met with Tribes to discuss comments	1 day	Wed 1/9/13	Wed 1/9/13	Wed 1/9/13	Wed 1/9/13																																	
1463	Agencies and PG&E resolve comments	7 days	Thu 1/3/13	Fri 1/11/13	Thu 1/3/13	Fri 1/11/13																																	
1464	Prepare/submit Revised Implementation Plan including RTCs	2.2 wks	Mon 1/14/13	Mon 1/28/13	Mon 1/14/13	NA																																	
1465	Meeting to discuss RTCs (timing is approximate, subject to availability)	1 day	Wed 1/30/13	Wed 1/30/13	NA	NA																																	
1466	Comment resolution complete (timing is approximate, will verify after RTC meeting)	1 day	Fri 2/1/13	Fri 2/1/13	NA	NA																																	
1467	Final Implementation Plan (including RTCs)	1 day	Fri 2/1/13	Fri 2/1/13	NA	NA																																	
1468	DOI review/approve Revised Implementation Plan	12 edays	Wed 1/30/13	Mon 2/11/13	NA	NA																																	
1469	State CEQA Evaluation/Groundwater EIR Addendum	62 days	Fri 11/16/12	Mon 2/11/13	Fri 11/16/12	NA																																	
1470	PG&E provide bio and cultural surveys	1 day	Mon 11/19/12	Mon 11/19/12	Mon 11/19/12	Mon 11/19/12																																	
1471	PG&E provides Draft Project Description	1 day	Fri 11/16/12	Fri 11/16/12	Fri 11/16/12	Fri 11/16/12																																	
1472	Project Description	25 days	Mon 11/19/12	Fri 12/21/12	Mon 11/19/12	Fri 12/21/12																																	
1473	DTSC/ESA review draft project description	3 days	Mon 11/19/12	Wed 11/21/12	Mon 11/19/12	Wed 11/21/12																																	
1474	Comment Resolution Meeting	1 day	Mon 11/26/12	Mon 11/26/12	Mon 11/26/12	Mon 11/26/12																																	
1475	Comment Resolution Period	19 days	Tue 11/27/12	Fri 12/21/12	Tue 11/27/12	Fri 12/21/12																																	
1476	Groundwater EIR Addendum	36 days	Mon 12/24/12	Mon 2/11/13	Mon 12/24/12	NA																																	
1477	ESA prepare Admin Draft Addendum	20 days	Mon 12/24/12	Fri 1/18/13	Mon 12/24/12	NA																																	
1478	DTSC review Admin Draft Addendum	5 days	Mon 1/21/13	Fri 1/25/13	NA	NA																																	
1479	ESA prepare Screencheck Draft Addendum	3 days	Mon 1/28/13	Wed 1/30/13	NA	NA																																	
1480	DTSC review Screencheck Draft Addendum	3 days	Thu 1/31/13	Mon 2/4/13	NA	NA																																	
1481	PG&E review Screencheck Draft Addendum	3 days	Thu 1/31/13	Mon 2/4/13	NA	NA																																	
1482	Comment Resolution Meeting	1 day	Wed 2/6/13	Wed 2/6/13	NA	NA																																	
1483	ESA finalize Addendum	3 days	Thu 2/7/13	Mon 2/11/13	NA	NA																																	

Project: PG&E Topock Remediation Project
Date: Mon 1/14/13

Tasks Not Started/In Progress Baseline Schedule Overall Task Duration

Tasks Finished Milestone

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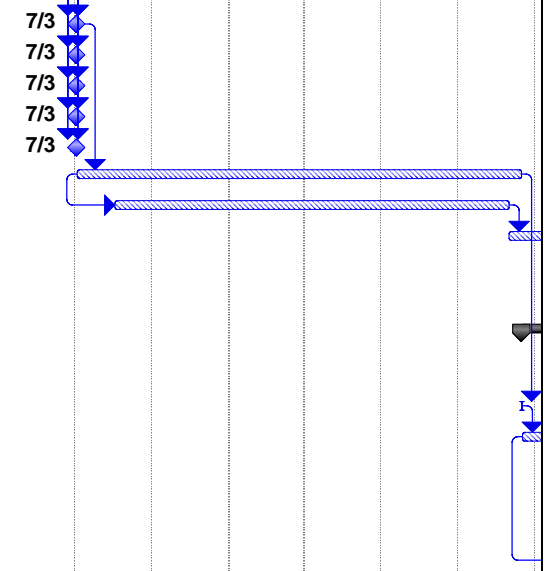
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HANDOUT 5A

TOPOCK REMEDIATION PROJECT SCHEDULE

JANUARY 16, 2013 CWG MEETING (REV. 17)

ID	Task Name	Duration	Forecasted Start	Forecasted Finish	Actual Start	Actual Finish	2013												2014				2015											
							Qtr 4			Qtr 1			Qtr 2			Qtr 3			Qtr 4			Qtr 1	Qtr 2	Qtr 3	Qtr 4									
							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
1529	Community Outreach Activities (State)	707 days	Fri 10/7/11	Sun 6/22/14	Fri 10/7/11	NA																												
1530	Update mailing list	2.95 mons	Fri 10/7/11	Fri 12/30/11	Fri 10/7/11	Fri 12/30/11																												
1531	Conduct Community Survey	1.62 mons	Tue 1/31/12	Fri 3/16/12	Tue 1/31/12	Fri 3/16/12																												
1532	Conduct Community Interview	2 mons	Wed 4/25/12	Thu 6/21/12	Wed 4/25/12	Thu 6/21/12																												
1533	Prepare/Issue Community Outreach Plan	7.1 mons	Mon 3/19/12	Wed 1/16/13	Mon 3/19/12	Wed 1/16/13																												
1534	Prepare/Issue factsheet for Corrective Measures Implementation	30 edays	Fri 5/23/14	Sun 6/22/14	NA	NA																												
1535	Outreach/Public Participation Activities (Federal)	625 days	Tue 1/31/12	Mon 6/23/14	Tue 1/31/12	NA																												
1536	Conduct Community Survey	1.62 mons	Tue 1/31/12	Fri 3/16/12	Tue 1/31/12	Fri 3/16/12																												
1537	Conduct Community Interview	2 mons	Wed 4/25/12	Thu 6/21/12	Wed 4/25/12	Thu 6/21/12																												
1538	Update Community Involvement Plan	2.43 mons	Fri 6/22/12	Sat 9/1/12	Fri 6/22/12	Sat 9/1/12																												
1539	Prepare/issue factsheet for Remedy Implementation	30 edays	Fri 5/23/14	Sun 6/22/14	NA	NA																												
1540	Open house	1 day	Mon 6/23/14	Mon 6/23/14	NA	NA																												
1541	Construction (the duration shown below is preliminary and will be adjusted as the design progresses; a detailed construction/remedial action implementation schedule will be included in the Construction/Remedial Action Work Plan)	458 days	Thu 7/3/14	Tue 4/5/16	NA	NA																												
1542	Stakeholder Attending Kick-Off Meeting at Site	0 days	Thu 7/3/14	Thu 7/3/14	NA	NA																												
1543	Stakeholder Attending Kick-Off Meeting at Site	0 days	Thu 7/3/14	Thu 7/3/14	NA	NA																												
1544	Stakeholder Attending Kick-Off Meeting at Site	0 days	Thu 7/3/14	Thu 7/3/14	NA	NA																												
1545	Stakeholder Attending Kick-Off Meeting at Site	0 days	Thu 7/3/14	Thu 7/3/14	NA	NA																												
1546	Stakeholder Attending Kick-Off Meeting at Site	0 days	Thu 7/3/14	Thu 7/3/14	NA	NA																												
1547	Construction	18 mons	Fri 7/4/14	Wed 12/16/15	NA	NA																												
1548	Prepare/submit monthly construction progress reports	16 mons	Mon 8/18/14	Tue 12/1/15	NA	NA																												
1549	Prepare/submit Construction Completion Report	60 days	Tue 12/1/15	Tue 2/23/16	NA	NA																												
1550	DOI review and approval of Construction Completion Report	30 days	Tue 2/23/16	Tue 4/5/16	NA	NA																												
1551	DTSC review and approval of Construction Completion Report	30 days	Tue 2/23/16	Tue 4/5/16	NA	NA																												
1552	Startup (the sequence/duration shown below is preliminary and will be adjusted as the design progresses; a detailed construction/remedial action implementation schedule will be included in the Construction/Remedial Action Work Plan)	379 days	Wed 12/16/15	Tue 5/30/17	NA	NA																												
1553	Shutdown IM extraction/treatment/injection	1 day	Wed 12/16/15	Thu 12/17/15	NA	NA																												
1554	Inject carbon/build NTH IRZ (6-12mons)	12 mons	Thu 12/17/15	Mon 12/5/16	NA	NA																												
1555	Inject freshwater(3-6mons)	6 mons	Fri 6/10/16	Mon 12/5/16	NA	NA																												
1556	Activate Inner recirculation loop (3-6mons)	6 mons	Wed 9/7/16	Thu 3/2/17	NA	NA																												
1557	Activate TCS recirculation loop (3-6mons)	6 mons	Wed 9/7/16	Thu 3/2/17	NA	NA																												
1558	Prepare/submit quarterly progress reports	15 mons	Tue 3/15/16	Tue 5/30/17	NA	NA																												
1559	Startup complete/start full remedy operations	0 days	Thu 3/2/17	Thu 3/2/17	NA	NA																												



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DTSC Tribes/SHPO Other CA Agencies AZ Agencies

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