





# HANDOUT 6A




## TOPOCK REMEDIATION PROJECT DETAILED SCHEDULE



### JANUARY 18, 2012 CWG MEETING (REV. 14)

ID	Task Name	Duration	Forecasted Start	Forecasted Finish	Actual Start	Actual Finish	2012																2013																2014															
							Qtr 1				Qtr 2				Qtr 3				Qtr 4				Qtr 1				Qtr 2				Qtr 3				Qtr 4																			
							D	J	F	M	A	M	J	J	A	S	O	N	D	D	J	F	M	A	M	J	J	A	S	O	N	D	D	J	F	M	A	M	J	J	A	S	O	N	D									
1266	<b>Key PA Stipulations</b>	586 days	Wed 10/27/10	Tue 1/22/13	Wed 10/27/10	NA	[Gantt bar]																																															
1267	<b>Access Plan</b>	99 days	Wed 8/3/11	Fri 12/16/11	Wed 8/3/11	Fri 12/16/11	[Gantt bar]																																															
1268	Prepare/finalize Access Plan	4.71 mons	Wed 8/3/11	Fri 12/16/11	Wed 8/3/11	Fri 12/16/11	[Gantt bar]																																															
1269	<b>Cultural and Historic Properties Management Plan (CHPMP)</b>	262 days	Thu 1/20/11	Fri 1/20/12	Thu 1/20/11	NA	[Gantt bar]																																															
1270	Prepare CHPMP (no later than 1 yr after signing of Groundwater ROD)	365 edays	Thu 1/20/11	Fri 1/20/12	Thu 1/20/11	NA	[Gantt bar]																																															
1271	Tribal consultation	38.38 edays	Fri 10/28/11	Mon 12/5/11	Fri 10/28/11	Mon 12/5/11	[Gantt bar]																																															
1272	Finalize CHPMP	46 edays	Mon 12/5/11	Fri 1/20/12	Mon 12/5/11	NA	[Gantt bar]																																															
1273	<b>Consultation on traditional religious and cultural significance of the Topock Maze including loci B and C, and any other associated contributing properties</b>	262 days	Wed 10/27/10	Thu 10/27/11	NA	NA	[Gantt bar]																																															
1276	Plan for Decommissioning, Removal, and Restoration of IM3 Facility - before implementation of remedy (for detailed steps/schedule, see Lines 1400 to 1408)	116 days	Tue 8/14/12	Tue 1/22/13	NA	NA	[Gantt bar]																																															
1277	<b>EIR DOCUMENTATION</b>	2587.8 days	Thu 9/1/05	Mon 7/13/15	Thu 9/1/05	NA	[Gantt bar]																																															
1363	<b>DESIGN, PERMITTING, AND CONSTRUCTION OF GROUNDWATER REMEDY</b>	1334.5 days	Mon 1/31/11	Thu 3/10/16	Mon 1/31/11	NA	[Gantt bar]																																															
1364	<b>Corrective Measure Implementation/Remedial Design (CM/IRD) Workplan</b>	199 days	Mon 1/31/11	Thu 11/3/11	Mon 1/31/11	NA	[Gantt bar]																																															
1365	Receipt of notification of DTSC's selection of the corrective measure	1 day	Mon 1/31/11	Mon 1/31/11	Mon 1/31/11	Mon 1/31/11	[Gantt bar]																																															
1366	Prepare/submit Draft Workplan	90.38 edays	Tue 2/1/11	Mon 5/2/11	Tue 2/1/11	Mon 5/2/11	[Gantt bar]																																															
1367	DTSC forward Draft Workplan to CWG/TWG	2 days	Tue 5/3/11	Wed 5/4/11	Tue 5/3/11	Wed 5/4/11	[Gantt bar]																																															
1368	Tribes review of Draft Work Plan	37.38 edays	Wed 5/4/11	Fri 6/10/11	Wed 5/4/11	Fri 6/10/11	[Gantt bar]																																															
1369	CWG/TWG review of Draft Workplan	30.38 edays	Wed 5/4/11	Fri 6/3/11	Wed 5/4/11	Fri 6/3/11	[Gantt bar]																																															
1370	DTSC review/comment on Draft Workplan and provide direction to PG&E	44.38 edays	Wed 5/4/11	Fri 6/17/11	Wed 5/4/11	Fri 6/17/11	[Gantt bar]																																															
1371	DOI review/comment on Draft Workplan and provide direction to PG&E	30.38 edays	Wed 5/4/11	Fri 6/3/11	Wed 5/4/11	Fri 6/3/11	[Gantt bar]																																															
1372	Comment resolution	70.38 edays	Mon 6/20/11	Mon 8/29/11	Mon 6/20/11	Mon 8/29/11	[Gantt bar]																																															
1373	Prepare/submit Redline Workplan with RTCs	3 wks	Tue 8/30/11	Mon 9/19/11	Tue 8/30/11	Mon 9/19/11	[Gantt bar]																																															
1374	DTSC review redline Workplan	5.6 wks	Tue 9/20/11	Thu 10/27/11	Tue 9/20/11	Thu 10/27/11	[Gantt bar]																																															
1375	DOI review redline Workplan	2.8 wks	Tue 9/20/11	Fri 10/7/11	Tue 9/20/11	Fri 10/7/11	[Gantt bar]																																															
1376	Issue Revised Work Plan	1 day	Wed 11/2/11	Wed 11/2/11	Wed 11/2/11	Wed 11/2/11	[Gantt bar]																																															
1377	DOI approved Revised Work Plan	1 day	Thu 11/3/11	Thu 11/3/11	Thu 11/3/11	Thu 11/3/11	[Gantt bar]																																															
1378	<b>Remedial Design (Preliminary, Intermediate, and Pre-Final/Final)</b>	357 days	Tue 9/20/11	Tue 1/29/13	Tue 9/20/11	NA	[Gantt bar]																																															
1379	<b>Preliminary Design</b>	135 days	Tue 9/20/11	Fri 3/23/12	Tue 9/20/11	NA	[Gantt bar]																																															
1380	Prepare/submit Prelim Design Package	2.1 mons	Tue 9/20/11	Fri 11/18/11	Tue 9/20/11	Fri 11/18/11	[Gantt bar]																																															
1381	DTSC forward to CWG/TWG	2 days	Fri 11/18/11	Mon 11/21/11	Fri 11/18/11	Mon 11/21/11	[Gantt bar]																																															
1382	Site visits to view Hinkley IRZ/walk pipeline alignment at Topock	2 days	Tue 12/13/11	Wed 12/14/11	Tue 12/13/11	Wed 12/14/11	[Gantt bar]																																															
1383	CWG/TWG review/comment on Prelim Design Package	66.38 edays	Tue 11/22/11	Fri 1/27/12	Tue 11/22/11	NA	[Gantt bar]																																															
1384	Tribes consultation	66.38 edays	Tue 11/22/11	Fri 1/27/12	Tue 11/22/11	NA	[Gantt bar]																																															
1385	BLM process after close of comment period	12 edays	Fri 1/27/12	Wed 2/8/12	NA	NA	[Gantt bar]																																															
1386	DTSC review/comment on Prelim Design Package	78.38 edays	Tue 11/22/11	Wed 2/8/12	Tue 11/22/11	NA	[Gantt bar]																																															
1387	DOI review/comment on Prelim Design Package	78.38 edays	Tue 11/22/11	Wed 2/8/12	Tue 11/22/11	NA	[Gantt bar]																																															
1388	Comments resolution	6.4 wks	Thu 2/9/12	Fri 3/23/12	NA	NA	[Gantt bar]																																															
1389	TWG meeting	1 day	Wed 3/21/12	Wed 3/21/12	NA	NA	[Gantt bar]																																															
1390	<b>Intermediate Design</b>	99 days	Mon 3/26/12	Thu 8/9/12	NA	NA	[Gantt bar]																																															
1391	Prepare/submit Intermediate Design Package (duration to be confirmed after receipt of comments)	2 mons	Mon 3/26/12	Tue 5/22/12	NA	NA	[Gantt bar]																																															
1392	DTSC forward to CWG/TWG	3 days	Wed 5/23/12	Fri 5/25/12	NA	NA	[Gantt bar]																																															
1393	CWG/TWG review/comment on Intermediate Design Package	30 edays	Mon 5/28/12	Wed 6/27/12	NA	NA	[Gantt bar]																																															
1394	Tribes Consultation	30 edays	Mon 5/28/12	Wed 6/27/12	NA	NA	[Gantt bar]																																															
1395	BLM process after close of comment period	15 edays	Wed 6/27/12	Thu 7/12/12	NA	NA	[Gantt bar]																																															

Project: PG&E Topock Remediation Project  
Date: Thu 1/12/12

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Tasks Not Started/In Progress  Baseline Schedule  Overall Task Duration 

Tasks Finished  Milestone 

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.

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.





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							Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4								
							D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J
1438	Stakeholder Attending Kick-Off Meeting at Site	1 day	Mon 4/15/13	Tue 4/16/13	NA	NA																				
1439	Stakeholder Attending Kick-Off Meeting at Site	1 day	Mon 4/15/13	Tue 4/16/13	NA	NA																				
1440	Stakeholder Attending Kick-Off Meeting at Site	1 day	Mon 4/15/13	Tue 4/16/13	NA	NA																				
1441	Stakeholder Attending Kick-Off Meeting at Site	1 day	Mon 4/15/13	Tue 4/16/13	NA	NA																				
1442	Construction	18 mons	Tue 4/16/13	Fri 9/26/14	NA	NA																				
1443	Prepare/submit monthly construction progress reports	16 mons	Mon 6/17/13	Mon 9/29/14	NA	NA																				
1444	Prepare/submit Construction Completion Report	60 days	Tue 9/30/14	Mon 12/22/14	NA	NA																				
1445	DOI review and approval of Construction Completion Report	30 days	Tue 12/23/14	Mon 2/2/15	NA	NA																				
1446	DTSC review and approval of Construction Completion Report	30 days	Tue 12/23/14	Mon 2/2/15	NA	NA																				
1447	<b>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)</b>	<b>379 days</b>	<b>Fri 9/26/14</b>	<b>Thu 3/10/16</b>	<b>NA</b>	<b>NA</b>																				
1448	Shutdown IM extraction/treatment/injection	1 day	Fri 9/26/14	Mon 9/29/14	NA	NA																				
1449	Inject carbon/build NTH IRZ (6-12mons)	12 mons	Mon 9/29/14	Wed 9/16/15	NA	NA																				
1450	Inject freshwater(3-6mons)	6 mons	Tue 3/24/15	Wed 9/16/15	NA	NA																				
1451	Activate Inner recirculation loop (3-6mons)	6 mons	Fri 6/19/15	Mon 12/14/15	NA	NA																				
1452	Activate TCS recirculation loop (3-6mons)	6 mons	Fri 6/19/15	Mon 12/14/15	NA	NA																				
1453	Prepare/submit quarterly progress reports	15 mons	Thu 12/25/14	Thu 3/10/16	NA	NA																				
1454	Startup complete/start full remedy operations	0 days	Mon 12/14/15	Mon 12/14/15	NA	NA																				

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

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