

Topock Remediation Detailed Project Schedule

May 15, 2009 (Version 6)

ID	Task Name	Baseline Start	Baseline Finish	Forecasted Duration	Forecasted Start	Forecasted Finish	Actual Start	Actual Finish	2009				2010							
									Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
1	IM3 Operations	Thu 1/22/04	Fri 3/18/05	2227 days	Thu 1/22/04	Tue 7/3/12	Thu 1/22/04	NA												
33	IM3 Cultural Resources Management Plan (IM3 CRMP)	NA	NA	986 days	Thu 7/1/04	Mon 3/10/08	Thu 7/1/04	Mon 3/10/08												
38	New Extraction Well PE-1/Facilities	Mon 3/21/05	Fri 1/27/06	230 days	Mon 3/21/05	Fri 1/27/06	Mon 3/21/05	Fri 1/27/06												
48	Supplemental Extraction Well and Facilities	Fri 7/29/05	Thu 1/19/06	127 days	Fri 7/29/05	Thu 1/19/06	Fri 7/29/05	Thu 1/19/06												
56	Decommissioning of IM No. 2 Batch Treatment	Fri 8/5/05	Fri 6/29/07	877 days	Fri 8/5/05	Mon 12/1/08	Fri 8/5/05	NA												
69	INTERIM MEASURES and TREATED WATER MANAGEMENT	Mon 5/3/04	Tue 7/15/08	1823 days	Mon 5/3/04	Fri 3/25/11	Mon 5/3/04	NA												
215	PUBLIC PARTICIPATION PLAN	Mon 12/20/04	Fri 2/9/07	578 days	Mon 12/20/04	Fri 2/9/07	Mon 12/20/04	Fri 2/9/07												
224	BASELINE RESOURCE ASSESSMENTS	Mon 11/1/04	Thu 6/21/07	897 days	Mon 11/1/04	Mon 3/10/08	Mon 11/1/04	Mon 3/10/08												
238	SITE WIDE CEQA DOCUMENTATION	Wed 5/17/06	Thu 1/11/07	586 days	Wed 5/17/06	Fri 8/1/08	Wed 5/17/06	Fri 8/1/08												
242	PROGRAMMATIC BIOLOGICAL ASSESSMENT (PBA)	Tue 12/19/06	Wed 2/28/07	35 days	Tue 12/19/06	Wed 1/31/07	Tue 12/19/06	Wed 1/31/07												
247	REMEDIAL FACILITY INVESTIGATION/REMEDIAL INVESTIGATION (RFI/RI)	Mon 5/24/04	Tue 10/5/04	4180.95 days	Sat 2/24/96	Tue 1/31/12	Sat 2/24/96	NA												
248	Historical RFI/RI Reports (Feb. 2005 and Prior Versions)	NA	NA	2455 days	Sat 2/24/96	Fri 7/8/05	Sat 2/24/96	Fri 7/8/05												
266	Prepare Site History Report (Vol 1)	Tue 11/15/05	Fri 3/16/07	466 days	Tue 11/15/05	Wed 8/15/07	Tue 11/15/05	Wed 8/15/07												
281	Prepare RFI/RI Vol 1 Addendum	NA	NA	916.4 days	Wed 7/11/07	Wed 1/12/11	Wed 7/11/07	NA												
305	Prepare Final Groundwater RFI/RI (Vol 2)	Mon 6/27/05	Wed 2/20/08	1181 days	Mon 6/27/05	Tue 12/15/09	Mon 6/27/05	NA												
306	Response to comments on Feb. 2005 RFI/RI Report	NA	NA	258 days	Tue 10/3/06	Wed 9/19/07	Tue 10/3/06	Wed 9/19/07												
313	Floodplain Data Gap Investigation	Fri 1/6/06	Sat 5/13/06	93 days	Fri 1/6/06	Fri 5/12/06	Fri 1/6/06	Fri 5/12/06												
316	Pore Water and Seepage Study	Mon 6/27/05	Tue 1/17/06	151 days	Mon 6/27/05	Tue 1/17/06	Mon 6/27/05	Tue 1/17/06												
329	Additional Plume Characterization Investigation	Fri 9/29/06	Wed 2/20/08	844 days	Fri 9/29/06	Tue 12/15/09	Fri 9/29/06	NA												
330	CA Slant Drilling	Fri 9/29/06	Fri 10/26/07	305 days	Fri 9/29/06	Wed 11/21/07	Fri 9/29/06	Wed 11/21/07												
378	AZ Groundwater Investigation	Fri 12/1/06	Thu 12/13/07	657 days	Fri 12/1/06	Fri 5/29/09	Fri 12/1/06	NA												
448	Additional Bedrock Investigation	Tue 10/10/06	Tue 9/25/07	829 days	Fri 10/20/06	Tue 12/15/09	Fri 10/20/06	NA												
449	PGE-7/PGE-8 Hydraulic Test and PGE-6 Decommissioning	NA	NA	393 days	Fri 10/20/06	Mon 4/14/08	Fri 10/20/06	Mon 4/14/08												
450	Work Plan and Project Planning	Fri 10/20/06	Thu 3/1/07	196 days	Fri 10/20/06	Fri 7/13/07	Fri 10/20/06	Fri 7/13/07												
471	Authorization and Permitting	Tue 10/10/06	Fri 3/30/07	105 days	Tue 10/31/06	Tue 3/20/07	Tue 10/31/06	Tue 3/20/07												
483	Field Implementation	Mon 3/19/07	Fri 6/29/07	176 days	Mon 4/2/07	Thu 11/29/07	Mon 4/2/07	Thu 11/29/07												
500	Reporting	Mon 7/2/07	Tue 9/25/07	248 days	Mon 5/7/07	Mon 4/14/08	Mon 5/7/07	Mon 4/14/08												
512	East Ravine Groundwater Investigation	NA	NA	557 days	Mon 10/29/07	Tue 12/15/09	Mon 10/29/07	NA												
513	Workplan	NA	NA	201 days	Mon 10/29/07	Mon 8/4/08	Mon 10/29/07	Mon 8/4/08												
528	Authorization and Permitting*	NA	NA	273 days	Thu 12/20/07	Mon 1/5/09	Thu 12/20/07	Mon 1/5/09												
539	Field Implementation*	NA	NA	163 days	Tue 1/13/09	Thu 8/27/09	Tue 1/13/09	NA												
540	Stakeholder Attending Kick-Off Meeting at Site	NA	NA	1 day	Tue 1/13/09	Tue 1/13/09	Tue 1/13/09	Tue 1/13/09												
541	Stakeholder Attending Kick-Off Meeting at Site	NA	NA	1 day	Tue 1/13/09	Tue 1/13/09	Tue 1/13/09	Tue 1/13/09												
542	Stakeholder Attending Kick-Off Meeting at Site	NA	NA	1 day	Tue 1/13/09	Tue 1/13/09	Tue 1/13/09	Tue 1/13/09												
543	Stakeholder Attending Kick-Off Meeting at Site	NA	NA	1 day	Tue 1/13/09	Tue 1/13/09	Tue 1/13/09	Tue 1/13/09												
544	Stakeholder Attending Kick-Off Meeting at Site	NA	NA	1 day	Tue 1/13/09	Tue 1/13/09	Tue 1/13/09	Tue 1/13/09												
545	Field Implementation (include 2 sampling events, 30 days apart)	NA	NA	28.4 wks	Wed 1/14/09	Thu 7/30/09	Wed 1/14/09	NA												
546	Data Analysis/Management	NA	NA	4 wks	Fri 7/31/09	Thu 8/27/09	NA	NA												
547	Reporting*	NA	NA	79 days	Thu 8/27/09	Tue 12/15/09	NA	NA												
548	PG&E prepare/submit Tech Memo (revisit duration after the scope of field work is finaliz	NA	NA	1 mon	Thu 8/27/09	Thu 9/24/09	NA	NA												
549	DTSC forward TM to CWG/TWG	NA	NA	3 days	Fri 9/25/09	Tue 9/29/09	NA	NA												
550	DTSC reviews/comments on TM	NA	NA	1 mon	Wed 9/30/09	Wed 10/28/09	NA	NA												
551	DOI reviews/comments on TM	NA	NA	1 mon	Wed 9/30/09	Wed 10/28/09	NA	NA												
552	CWG reviews/comments on TM	NA	NA	1 mon	Wed 9/30/09	Wed 10/28/09	NA	NA												

KEY DECISION DOCUMENTS	Groundwater	Soil
Statement of Basis	June 2010 (Line 1134)	July 2013 (Line 1141)
EIR Notice of Determination Filing	June 2010 (Line 1229)	July 2013 (Line 1242)
Record of Decision	June 2010 (Line 1154)	November 2013 (Line 1165)

Project: PG&E Topock Remediation Project
 Date: Fri 5/15/09
 Page 1 of 6
 Tasks Not Started/In Progress Tasks Finished Baseline Schedule Milestone Overall Task Duration

edays = calendar days; days = work days
 Baseline Schedule is the 8/15/07 CWG Schedule (rev 1, 12/12/07).
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Color Coding:
 PG&E Federal Agencies CWG/TWG Public
 DTSC Tribes/SHPO Other CA Agencies AZ Agencies

Major Assumptions
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May 15, 2009 (Version 6)

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									Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
553	TWG reviews/comments on TM	NA	NA	1 mon	Wed 9/30/09	Wed 10/28/09	NA	NA										
554	PG&E respond to comments/finalizes TM	NA	NA	1 mon	Thu 10/29/09	Thu 11/26/09	NA	NA										
555	DTSC reviews/approves final TM	NA	NA	10 days	Fri 11/27/09	Thu 12/10/09	NA	NA										
556	DOI reviews/approves final TM	NA	NA	10 days	Fri 11/27/09	Thu 12/10/09	NA	NA										
557	PG&E issues final TM	NA	NA	3 days	Fri 12/11/09	Tue 12/15/09	NA	NA										
558	Prepare and Submit Final GW RFI/RI	Tue 4/3/07	Wed 2/20/08	387 days	Mon 8/20/07	Mon 2/9/09	Mon 8/20/07	Mon 2/9/09										
579	Prepare and Submit GW RFI/RI Addendum	NA	NA	208 days	Wed 8/13/08	Fri 5/29/09	Wed 8/13/08	NA										
580	Prepare Draft RFI/RI Vol 2 addendum	NA	NA	3.1 mons	Wed 8/13/08	Tue 11/11/08	Wed 8/13/08	Tue 11/11/08										
581	PG&E review/outreach with Tribes	NA	NA	2 wks	Wed 11/12/08	Tue 11/25/08	Wed 11/12/08	Tue 11/25/08										
582	Finalize and submit RFI/RI Vol 2 addendum to DTSC/DOI	NA	NA	1.6 wks	Wed 11/26/08	Fri 12/5/08	Wed 11/26/08	Fri 12/5/08										
583	DTSC sends addendum to CWG/TWG and Tribes for review	NA	NA	3 days	Mon 12/8/08	Wed 12/10/08	Mon 12/8/08	Wed 12/10/08										
584	CWG/TWG review and provide comments	NA	NA	30 edays	Wed 12/10/08	Fri 1/9/09	Wed 12/10/08	Fri 1/9/09										
585	Tribes review and provide comments	NA	NA	30 edays	Wed 12/10/08	Fri 1/9/09	Wed 12/10/08	Fri 1/9/09										
586	DTSC review addendum	NA	NA	30 edays	Wed 12/10/08	Fri 1/9/09	Wed 12/10/08	Fri 1/9/09										
587	DOI review addendum	NA	NA	30 edays	Wed 12/10/08	Fri 1/9/09	Wed 12/10/08	Fri 1/9/09										
588	DTSC provide written comments/directives to PG&E	NA	NA	3.6 wks	Mon 1/12/09	Wed 2/4/09	Mon 1/12/09	Wed 2/4/09										
589	DOI provide written comments/directives to PG&E	NA	NA	2 wks	Mon 1/12/09	Fri 1/23/09	Mon 1/12/09	Fri 1/23/09										
590	PG&E prepares/submits response to comments to DTSC/DOI	NA	NA	2 wks	Thu 2/5/09	Wed 2/18/09	Thu 2/5/09	Wed 2/18/09										
591	DTSC sends response to comments to CWG/TWG	NA	NA	1 day	Wed 4/15/09	Wed 4/15/09	Wed 4/15/09	Wed 4/15/09										
592	DTSC review response to comments	NA	NA	2.2 wks	Thu 2/19/09	Thu 3/5/09	Thu 2/19/09	Thu 3/5/09										
593	DOI review response to comments	NA	NA	0.4 wks	Thu 2/19/09	Fri 2/20/09	Thu 2/19/09	Fri 2/20/09										
594	Issue Redline RFI/RI Vol 2 Addendum	NA	NA	10 days	Fri 3/6/09	Thu 3/19/09	Fri 3/6/09	Thu 3/19/09										
595	DTSC reviews Redline RFI/RI Vol 2 Addendum	NA	NA	12 days	Fri 3/20/09	Mon 4/6/09	Fri 3/20/09	Mon 4/6/09										
596	DOI reviews Redline RFI/RI Vol 2 Addendum	NA	NA	8 days	Fri 3/20/09	Tue 3/31/09	Fri 3/20/09	Tue 3/31/09										
597	PG&E prepares Revise Redline RFI/RI Vol 2 Addendum	NA	NA	18 days	Tue 4/7/09	Thu 4/30/09	Tue 4/7/09	Thu 4/30/09										
598	DTSC reviews/approves Revise Redline report	NA	NA	11 days	Fri 5/1/09	Fri 5/15/09	Fri 5/1/09	NA										
599	PG&E issues Final RFI/RI Vol 2 Addendum	NA	NA	10 days	Mon 5/18/09	Fri 5/29/09	NA	NA										
600	Prepare Final Soil RFI/RI (Vol 3)	Sat 7/15/06	Fri 12/26/08	1453.95 days	Sat 7/15/06	Tue 1/31/12	Sat 7/15/06	NA										
601	Implementation of Off-site Soil Sampling (Part A)	Sat 7/15/06	Mon 7/23/07	1230.4 days	Sat 7/15/06	Thu 3/24/11	Sat 7/15/06	NA										
767	Implementation of On-site Soil Sampling (Part B)	Wed 12/6/06	Tue 1/29/08	742.5 days	Wed 12/6/06	Thu 10/1/09	Wed 12/6/06	NA										
768	Work Plan	NA	NA	520 days	Wed 12/6/06	Mon 11/24/08	Wed 12/6/06	NA										
769	Submit Part B Work Plan Assumptions	Wed 12/6/06	Wed 12/6/06	1 day	Wed 12/6/06	Wed 12/6/06	Wed 12/6/06	Wed 12/6/06										
770	DTSC review of Part B Assumptions	Thu 12/7/06	Fri 1/19/07	62 days	Thu 12/7/06	Mon 2/26/07	Thu 12/7/06	Mon 2/26/07										
771	DOI review of Part B Assumptions	Thu 12/7/06	Fri 1/19/07	62 days	Thu 12/7/06	Mon 2/26/07	Thu 12/7/06	Mon 2/26/07										
772	DTSC set up a conference call to discuss Part B Assumptions	NA	NA	1 day	Tue 2/27/07	Tue 2/27/07	Tue 2/27/07	Tue 2/27/07										
773	Prepare/submit annotated DQO outlines for Part B (and A)	NA	NA	16 days	Tue 3/13/07	Tue 4/3/07	Tue 3/13/07	Tue 4/3/07										
774	DTSC/DOI/PG&E discuss annotated DQO outlines and Soil Work Plan issues	Mon 4/2/07	Wed 4/4/07	1 day	Wed 4/4/07	Wed 4/4/07	Wed 4/4/07	Wed 4/4/07										
775	DTSC issue comments on Part B DQO outline	NA	NA	1 day	Wed 5/23/07	Wed 5/23/07	Wed 5/23/07	Wed 5/23/07										
776	DOI issue comments on Part B DQO outline	NA	NA	1 day	Wed 5/23/07	Wed 5/23/07	Wed 5/23/07	Wed 5/23/07										
777	Conference call to clarify comments on Part B DQO outline	NA	NA	1 day	Wed 8/29/07	Wed 8/29/07	Wed 8/29/07	Wed 8/29/07										
778	Prepare/submit Draft Part B Work Plan	Sat 1/20/07	Thu 4/12/07	79 days	Wed 8/29/07	Fri 12/14/07	Wed 8/29/07	Fri 12/14/07										
779	DTSC send Draft Part B Work Plan to CWG for review	Fri 4/13/07	Fri 4/13/07	3 days	Mon 12/17/07	Wed 12/19/07	Mon 12/17/07	Wed 12/19/07										
780	DTSC review/combine comments and provide to PG&E	Fri 4/13/07	Wed 5/23/07	73 days	Mon 12/17/07	Wed 3/26/08	Mon 12/17/07	Wed 3/26/08										
781	DOI review and provide comments to DTSC	Fri 4/13/07	Wed 5/23/07	67 days	Mon 12/17/07	Tue 3/18/08	Mon 12/17/07	Tue 3/18/08										

Project: PG&E Topock Remediation Project
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Page 2 of 6

Tasks Not Started/In Progress

Tasks Finished

Baseline Schedule

Milestone

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									Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
782	Tribes review Draft Part B Work Plan	Fri 4/13/07	Wed 5/23/07	34 edays	Thu 12/20/07	Wed 1/23/08	Thu 12/20/07	Wed 1/23/08										
783	CWG review and send comments to DTSC/DOI	Fri 4/13/07	Wed 5/23/07	30 edays	Wed 12/19/07	Fri 1/18/08	Wed 12/19/07	Fri 1/18/08										
784	PG&E provide Response to Comments to DTSC/DOI	NA	NA	5.6 wks	Thu 3/27/08	Mon 5/5/08	Thu 3/27/08	Mon 5/5/08										
785	Discuss Key Issues with Comments and Overall Framework for Response (May 7 RCRA/CERCLA meeting)	NA	NA	1 day	Wed 5/7/08	Wed 5/7/08	Wed 5/7/08	Wed 5/7/08										
786	Discussion with DTSC/DOI on phasing of finalization/implementation of Part B	NA	NA	85 days	Thu 5/8/08	Wed 9/3/08	Thu 5/8/08	Wed 9/3/08										
787	PG&E submits letter of intent to phase onsite soil sampling (Part B)	NA	NA	1 day	Thu 7/17/08	Thu 7/17/08	Thu 7/17/08	Thu 7/17/08										
788	PG&E submits Part B Phase 1 proposal	NA	NA	1 day	Tue 9/30/08	Tue 9/30/08	Tue 9/30/08	Tue 9/30/08										
789	DTSC reviews/provides comments to PG&E	NA	NA	39 days	Wed 10/1/08	Mon 11/24/08	Wed 10/1/08	NA										
790	DOI reviews/provides comments to PG&E	NA	NA	39 days	Wed 10/1/08	Mon 11/24/08	Wed 10/1/08	NA										
791	DTSC/DOI review Response to Comments (on hold)	NA	NA	2 wks	Tue 5/6/08	Mon 5/19/08	Tue 5/6/08	NA										
792	Part B Response to Comments Resolution Meetings (on hold)	NA	NA	1 wk	Tue 5/20/08	Mon 5/26/08	NA	NA										
793	Prepare/submit Final Part B Work Plan (on hold)	Thu 5/24/07	Wed 7/25/07	60 days	Tue 5/27/08	Mon 8/18/08	NA	NA										
794	DTSC review Final Part B Work Plan (on hold)	NA	NA	1 mon	Tue 8/19/08	Tue 9/16/08	NA	NA										
795	DOI review and comment on Final Part B Work Plan (on hold)	Thu 7/26/07	Thu 8/23/07	1 mon	Tue 8/19/08	Tue 9/16/08	NA	NA										
796	DTSC conditionally approve Part B Work Plan (on hold)	Thu 8/23/07	Thu 8/23/07	1 day	Wed 9/17/08	Wed 9/17/08	NA	NA										
797	Prepare/submit a request for approval to implement Part B Work Plan (on hold)	Thu 11/8/07	Thu 11/8/07	2 wks	Thu 9/18/08	Wed 10/1/08	NA	NA										
798	Approval Process for On-Site Sampling* (on hold)	Fri 6/1/07	Tue 9/25/07	74 days	Wed 10/1/08	Tue 1/13/09	NA	NA										
804	Part B Field Implementation/Data Reporting (on hold)	NA	NA	186.5 days	Wed 1/14/09	Thu 10/1/09	NA	NA										
822	Prepare and Submit Final Soil RFI/RI	Mon 4/14/08	Tue 11/4/08	226.55 days	Mon 3/21/11	Tue 1/31/12	NA	NA										
843	ADEQ Topock Groundwater Study	NA	NA	475 days	Thu 11/18/04	Wed 8/23/06	Thu 11/18/04	Wed 8/23/06										
847	CORRECTIVE MEASURES/REMEDIAL ALTERNATIVE DEVELOPMENT	Mon 3/15/04	Fri 4/17/09	1527 days	Mon 3/29/04	Thu 12/31/09	Mon 3/29/04	NA										
848	Supplemental Field Studies	Mon 3/29/04	Mon 1/30/06	1527 days	Mon 3/29/04	Thu 12/31/09	Mon 3/29/04	NA										
849	Aerobic/Anaerobic Core Testing	Mon 3/29/04	Thu 2/10/05	1115 days	Mon 3/29/04	Tue 6/3/08	Mon 3/29/04	Tue 6/3/08										
864	Geotechnical studies for physical barrier	Mon 3/29/04	Wed 9/22/04	213 days	Mon 3/29/04	Fri 1/14/05	Mon 3/29/04	Fri 1/14/05										
873	Seismic Survey	Thu 10/28/04	Thu 12/2/04	62 days	Thu 10/28/04	Wed 1/19/05	Thu 10/28/04	Wed 1/19/05										
875	Groundwater Background Study	Mon 3/15/04	Tue 6/20/06	1238 days	Thu 11/18/04	Fri 7/17/09	Thu 11/18/04	NA										
876	Steps 1 and 2 - Field Implementation and Reporting	Thu 11/18/04	Thu 4/6/06	410 days	Thu 11/18/04	Fri 5/26/06	Thu 11/18/04	Fri 5/26/06										
887	Steps 3 and 4 - Groundwater Background Study Report	Mon 5/29/06	Thu 3/8/07	748 days	Thu 9/14/06	Fri 7/17/09	Thu 9/14/06	NA										
909	Chromium Isotope Study	NA	NA	565 days	Fri 4/7/06	Fri 5/23/08	Fri 4/7/06	Fri 5/23/08										
928	In situ pilot study work plans	Tue 11/2/04	Mon 1/30/06	208 days	Thu 11/4/04	Mon 8/8/05	Thu 11/4/04	Mon 8/8/05										
934	Floodplain in situ pilot study and reporting	Mon 8/8/05	Mon 10/1/07	1159 days	Mon 8/8/05	Thu 12/31/09	Mon 8/8/05	NA										
935	Implementation of 1st - 4th Injections	Fri 3/23/07	Mon 10/29/07	420 days	Mon 8/8/05	Tue 3/6/07	Mon 8/8/05	Tue 3/6/07										
950	Implementation of 5th and 6th Injections (incl. Monitoring)	Fri 3/23/07	Mon 7/30/07	92 days	Mon 5/7/07	Fri 9/7/07	Mon 5/7/07	Fri 9/7/07										
951	Floodplain Pilot Test Status Reporting	Tue 6/6/06	Tue 7/3/07	736 days	Fri 6/16/06	Thu 12/31/09	Fri 6/16/06	NA										
952	Final Floodplain Pilot Test Report	Wed 7/4/07	Mon 10/1/07	118 days	Sat 9/22/07	Wed 3/5/08	Sat 9/22/07	Wed 3/5/08										
953	DTSC Send to CWG/TWG and Tribes	Tue 10/2/07	Mon 10/15/07	0 days	Thu 3/6/08	Thu 3/6/08	Thu 3/6/08	Thu 3/6/08										
954	Continue Post Completion Monitoring	NA	NA	476 days	Thu 3/6/08	Thu 12/31/09	Thu 3/6/08	NA										
955	Upland in situ pilot study implementation	Tue 5/30/06	Thu 4/3/08	945.3 days	Tue 5/30/06	Thu 12/31/09	Tue 5/30/06	NA										
956	Revised Upland Study Work Plan	Tue 5/30/06	Tue 9/26/06	183 days	Tue 5/30/06	Wed 1/31/07	Tue 5/30/06	Wed 1/31/07										
957	Authorization and Permitting	Tue 10/10/06	Fri 3/30/07	147 days	Wed 10/11/06	Fri 4/27/07	Wed 10/11/06	Fri 4/27/07										
977	Field Implementation and Reporting	NA	NA	759.3 days	Tue 2/6/07	Thu 12/31/09	Tue 2/6/07	NA										
978	Pilot Test Design/Procurement (including revision to design)	Mon 1/22/07	Fri 3/30/07	54 days	Tue 2/6/07	Fri 4/20/07	Tue 2/6/07	Fri 4/20/07										
979	Well Construction	Mon 4/2/07	Fri 5/11/07	62 days	Mon 4/23/07	Mon 7/16/07	Mon 4/23/07	Mon 7/16/07										
980	Civil/Mechanical Construction/Recirculation Tests	Mon 5/14/07	Fri 6/15/07	151 days	Wed 8/8/07	Tue 3/4/08	Wed 8/8/07	Tue 3/4/08										

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Page 3 of 6

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ID	Task Name	Baseline Start	Baseline Finish	Forecasted Duration	Forecasted Start	Forecasted Finish	Actual Start	Actual Finish	2009				2010					
									Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
981	Pre-Injection Baseline Sampling 1	Mon 5/14/07	Fri 5/18/07	5 days	Tue 7/17/07	Mon 7/23/07	Tue 7/17/07	Mon 7/23/07										
982	Pre-Injection Baseline Sampling 2	Thu 7/12/07	Wed 7/18/07	5 days	Mon 1/21/08	Fri 1/25/08	Mon 1/21/08	Fri 1/25/08										
983	Implementation of Upland pilot study	Mon 6/18/07	Mon 1/7/08	9.33 mons	Wed 3/5/08	Wed 12/3/08	Wed 3/5/08	Wed 12/3/08										
984	Final Pilot Test Report	Fri 1/4/08	Thu 4/3/08	90.38 edays	Wed 12/3/08	Tue 3/3/09	Wed 12/3/08	Tue 3/3/09										
985	DTSC Send to CWG/TWG and Tribes	Tue 10/2/07	Mon 10/15/07	3 days	Wed 3/4/09	Fri 3/6/09	Wed 3/4/09	Fri 3/6/09										
986	Continue Post Completion Monitoring	NA	NA	13.3 mons	Fri 12/5/08	Thu 12/31/09	Fri 12/5/08	NA										
987	Soil Sampling	NA	NA	5 days	Tue 1/13/09	Mon 1/19/09	Tue 1/13/09	Mon 1/19/09										
988	Update Groundwater Modeling	NA	NA	183 days	Wed 2/20/08	Fri 10/31/08	Wed 2/20/08	Fri 10/31/08										
992	Corrective Measures Study/Feasibility Study (CMS/FS)	Tue 3/1/05	Fri 4/17/09	2678 days	Mon 12/16/02	Fri 2/15/13	Mon 12/16/02	NA										
993	CMS Work Plan	Tue 3/1/05	Thu 5/11/06	1465 days	Mon 12/16/02	Tue 6/24/08	Mon 12/16/02	Tue 6/24/08										
1012	Risk Evaluation - Scoping and CSM	Tue 10/31/06	Tue 2/17/09	1440 days	Tue 10/31/06	Fri 4/27/12	Tue 10/31/06	NA										
1013	Soil Land Use and Pathway Analysis before Nov. 2007 Group Meeting	Tue 10/31/06	Fri 10/26/07	265 days	Tue 10/31/06	Fri 10/26/07	Tue 10/31/06	Fri 10/26/07										
1014	Scoping for Ecological Risk Assessment Work Plan	NA	NA	282 days	Mon 1/22/07	Fri 2/15/08	Mon 1/22/07	Fri 2/15/08										
1024	Soil/Groundwater Risk Assessment Workplan	Fri 1/26/07	Tue 7/24/07	334 days	Mon 10/29/07	Thu 2/5/09	Mon 10/29/07	Thu 2/5/09										
1050	Groundwater Evaluation	Wed 5/23/07	Thu 3/27/08	233 days	Wed 9/10/08	Fri 7/31/09	Wed 9/10/08	NA										
1051	Prepare and submit Human Health (HH) and Eco GW risk evaluation	Wed 9/5/07	Tue 1/1/08	5.19 mons	Wed 9/10/08	Mon 2/9/09	Wed 9/10/08	Mon 2/9/09										
1052	DTSC send GW Risk Evaluation to CWG/TWG	NA	NA	10 days	Tue 2/10/09	Mon 2/23/09	Tue 2/10/09	Mon 2/23/09										
1053	DTSC review and comment	Wed 1/2/08	Wed 1/30/08	37.38 edays	Mon 2/23/09	Wed 4/1/09	Mon 2/23/09	Wed 4/1/09										
1054	DOI review and comment	Wed 1/2/08	Wed 1/30/08	39.38 edays	Mon 2/23/09	Fri 4/3/09	Mon 2/23/09	Fri 4/3/09										
1055	CWG/TWG review and comments	NA	NA	25.38 edays	Mon 2/23/09	Fri 3/20/09	Mon 2/23/09	Fri 3/20/09										
1056	Tribal review and comment	Thu 1/31/08	Thu 2/28/08	25.38 edays	Mon 2/23/09	Fri 3/20/09	Mon 2/23/09	Fri 3/20/09										
1057	Prepare Response to Comments	NA	NA	8 wks	Mon 4/6/09	Fri 5/29/09	Mon 4/6/09	NA										
1058	DTSC review and comment	NA	NA	30 edays	Fri 5/29/09	Sun 6/28/09	NA	NA										
1059	DOI review and comment	NA	NA	30 edays	Fri 5/29/09	Sun 6/28/09	NA	NA										
1060	Tribal review and comment	NA	NA	30 edays	Fri 5/29/09	Sun 6/28/09	NA	NA										
1061	Finalize risk evaluation	Fri 2/29/08	Thu 3/20/08	3 wks	Mon 6/29/09	Fri 7/17/09	NA	NA										
1062	DTSC review and approval	Fri 3/21/08	Thu 3/27/08	2 wks	Mon 7/20/09	Fri 7/31/09	NA	NA										
1063	DOI review and approval	Fri 3/21/08	Thu 3/27/08	2 wks	Mon 7/20/09	Fri 7/31/09	NA	NA										
1064	Soil Evaluation	Fri 4/11/08	Tue 2/17/09	188.05 days	Tue 8/9/11	Fri 4/27/12	NA	NA										
1079	CMS/FS Report	Mon 8/22/05	Thu 12/15/05	1175 days	Mon 8/18/08	Fri 2/15/13	Mon 8/18/08	NA										
1080	Groundwater	Fri 3/28/08	Mon 10/20/08	280 days	Mon 8/18/08	Fri 9/11/09	Mon 8/18/08	NA										
1081	Prepare Draft Groundwater CMS/FS Report	Fri 3/28/08	Wed 7/23/08	201.5 days	Mon 8/18/08	Tue 5/26/09	Mon 8/18/08	NA										
1082	Prepare Discussion Draft Groundwater CMS/FS Report	NA	NA	4.1 mons	Mon 8/18/08	Mon 12/15/08	Mon 8/18/08	Mon 12/15/08										
1083	PG&E outreach with Tribes	Wed 6/25/08	Wed 7/23/08	1 mon	Tue 12/16/08	Tue 1/13/09	Tue 12/16/08	Tue 1/13/09										
1084	PG&E submit Draft Groundwater CMS/FS	NA	NA	2 wks	Wed 1/14/09	Tue 1/27/09	Wed 1/14/09	Tue 1/27/09										
1085	DTSC send Draft Groundwater CMS/FS to CWG/TWG	Thu 7/24/08	Mon 7/28/08	1 day	Wed 1/28/09	Wed 1/28/09	Wed 1/28/09	Wed 1/28/09										
1086	DTSC review and comment	Thu 7/24/08	Tue 8/21/07	57.38 edays	Wed 1/28/09	Thu 3/26/09	Wed 1/28/09	Thu 3/26/09										
1087	DOI review and comment	Thu 7/24/08	Thu 8/21/08	51.38 edays	Wed 1/28/09	Fri 3/20/09	Wed 1/28/09	Fri 3/20/09										
1088	DOI sends package to Tribes for consultation	NA	NA	1 day	Thu 2/5/09	Thu 2/5/09	Thu 2/5/09	Thu 2/5/09										
1089	Tribal Consultation (Section 106)	NA	NA	43.38 edays	Thu 2/5/09	Fri 3/20/09	Thu 2/5/09	Fri 3/20/09										
1090	SHPO Submittal for Information Purposes Only	NA	NA	1 day	Thu 2/5/09	Thu 2/5/09	Thu 2/5/09	Thu 2/5/09										
1091	CWG/TWG review and comment	Thu 7/24/08	Thu 8/21/08	29.38 edays	Wed 1/28/09	Thu 2/26/09	Wed 1/28/09	Thu 2/26/09										
1092	FMIT provide written comments to DTSC/DOI	Tue 9/16/08	Wed 10/15/08	29.38 edays	Wed 1/28/09	Thu 2/26/09	Wed 1/28/09	Thu 2/26/09										
1093	Chemehuevi provide written comments to DTSC/DOI	Tue 9/16/08	Wed 10/15/08	29 edays	Wed 1/28/09	Thu 2/26/09	Wed 1/28/09	NA										

Project: PG&E Topock Remediation Project
 Date: Fri 5/15/09

Page 4 of 6

Tasks Not Started/In Progress 

Tasks Finished 

Baseline Schedule 

Milestone 

Overall Task Duration 

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.

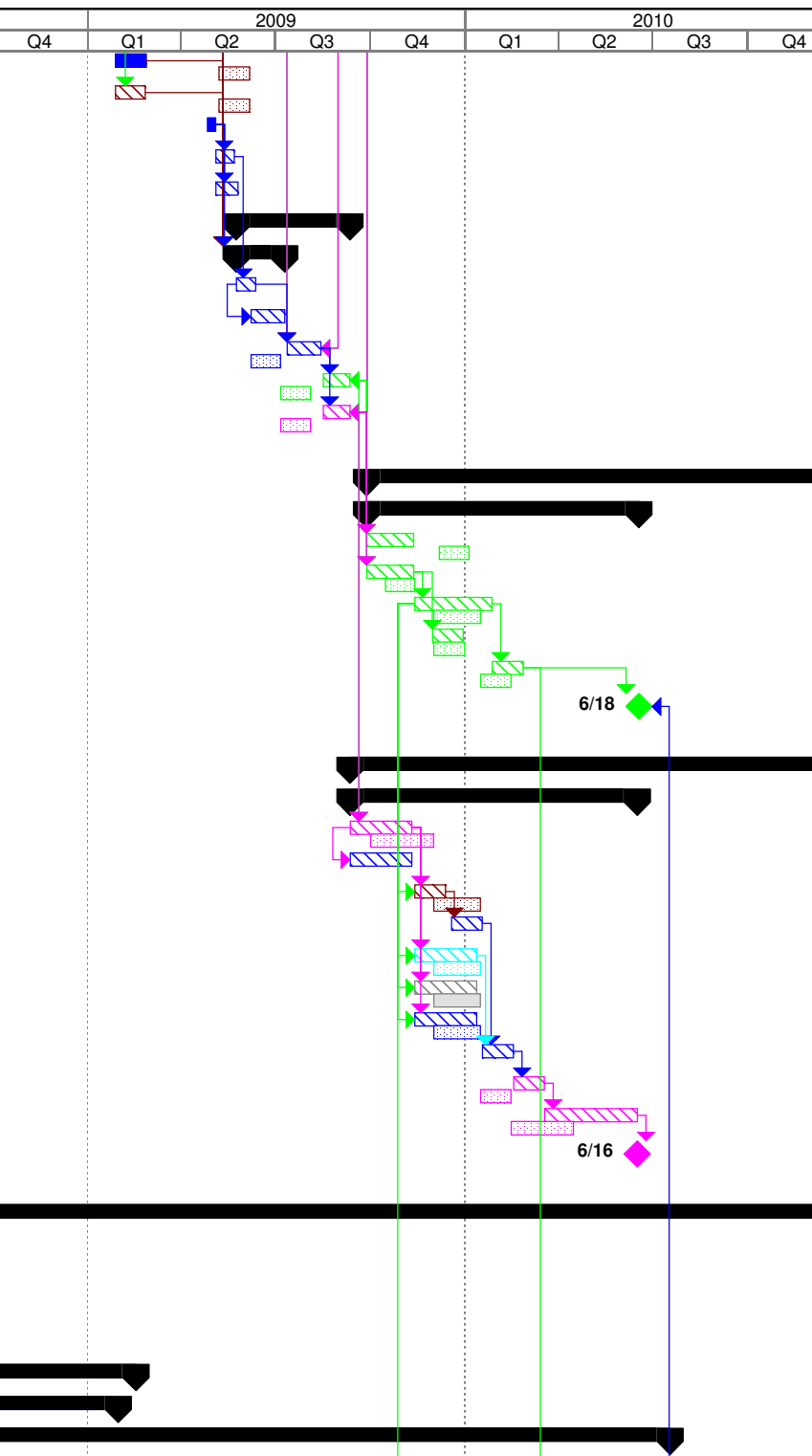
Color Coding:
 PG&E Federal Agencies CWG/TWG Public
 DTSC Tribes/SHPO Other CA Agencies AZ Agencies

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

Topock Remediation Detailed Project Schedule

May 15, 2009 (Version 6)

ID	Task Name	Baseline Start	Baseline Finish	Forecasted Duration	Forecasted Start	Forecasted Finish	Actual Start	Actual Finish	2009				2010					
									Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
1094	CRIT provide written comments to DTSC/DOI	Tue 9/16/08	Wed 10/15/08	29.38 edays	Wed 1/28/09	Thu 2/26/09	Wed 1/28/09	Thu 2/26/09										
1095	Haulapai provide written comments to DTSC/DOI	Tue 9/16/08	Wed 10/15/08	29 edays	Wed 1/28/09	Thu 2/26/09	Wed 1/28/09	NA										
1096	DOI meet with Tribes	NA	NA	6 days	Mon 4/27/09	Mon 5/4/09	Mon 4/27/09	Mon 5/4/09										
1097	DOI provides additional Tribal comments to PG&E	NA	NA	14 days	Tue 5/5/09	Fri 5/22/09	Tue 5/5/09	NA										
1098	BLM provides response to Tribes after consultation	NA	NA	3.1 wks	Tue 5/5/09	Tue 5/26/09	Tue 5/5/09	NA										
1099	Prepare Final Groundwater CMS/FS Report	NA	NA	80 days	Mon 5/25/09	Fri 9/11/09	NA	NA										
1100	Reach resolution on Response to Comments	NA	NA	35 days	Mon 5/25/09	Fri 7/10/09	NA	NA										
1101	Reach resolution on key assumptions (COCs, ARARs, RAOs, CSM)	NA	NA	3 wks	Mon 5/25/09	Fri 6/12/09	NA	NA										
1102	Reach resolution on remedial alternatives (# and configuration)	NA	NA	5 wks	Mon 6/8/09	Fri 7/10/09	NA	NA										
1103	Prepare Final Groundwater CMS/FS Report	NA	NA	5 wks	Mon 7/13/09	Fri 8/14/09	NA	NA										
1104	DTSC review and concur	NA	NA	4 wks	Mon 8/17/09	Fri 9/11/09	NA	NA										
1105	DOI review and concur	NA	NA	4 wks	Mon 8/17/09	Fri 9/11/09	NA	NA										
1106	Soil	Tue 10/28/08	Wed 5/20/09	210 days	Mon 4/30/12	Fri 2/15/13	NA	NA										
1127	STATEMENT OF BASIS	NA	NA	995.6 days	Mon 9/28/09	Mon 7/22/13	NA	NA										
1128	Groundwater	NA	NA	189.5 days	Mon 9/28/09	Fri 6/18/10	NA	NA										
1129	Prepare fact sheet for proposed remedy	NA	NA	1.6 mons	Mon 9/28/09	Thu 11/12/09	NA	NA										
1130	Prepare public notice package/Statement of Basis	NA	NA	1.6 mons	Mon 9/28/09	Thu 11/12/09	NA	NA										
1131	Public Notice/Comment Period	NA	NA	75 edays	Fri 11/13/09	Wed 1/27/10	NA	NA										
1132	Public Hearing	NA	NA	30 edays	Mon 11/30/09	Wed 12/30/09	NA	NA										
1133	Response to public comments	NA	NA	30 edays	Wed 1/27/10	Fri 2/26/10	NA	NA										
1134	DTSC approves final remedy	NA	NA	0 days	Fri 6/18/10	Fri 6/18/10	NA	NA										
1135	Soil	NA	NA	100.6 days	Mon 3/4/13	Mon 7/22/13	NA	NA										
1142	RECORD OF DECISION	NA	NA	1093 days	Fri 9/11/09	Wed 11/20/13	NA	NA										
1143	Groundwater	NA	NA	198 days	Fri 9/11/09	Wed 6/16/10	NA	NA										
1144	Develop Proposed Plan	NA	NA	60 edays	Fri 9/11/09	Tue 11/10/09	NA	NA										
1145	Prepare factsheet	NA	NA	60 edays	Fri 9/11/09	Tue 11/10/09	NA	NA										
1146	Tribal Consultation (Section 106)	NA	NA	30 edays	Fri 11/13/09	Sun 12/13/09	NA	NA										
1147	SHPO Consultation (Section 106)	NA	NA	30 edays	Fri 12/18/09	Sun 1/17/10	NA	NA										
1148	Public Review and Comment	NA	NA	60 edays	Fri 11/13/09	Tue 1/12/10	NA	NA										
1149	CWG Review and Comment	NA	NA	60 edays	Fri 11/13/09	Tue 1/12/10	NA	NA										
1150	PG&E Review and Comment	NA	NA	60 edays	Fri 11/13/09	Tue 1/12/10	NA	NA										
1151	Response to public comments	NA	NA	30 edays	Sun 1/17/10	Tue 2/16/10	NA	NA										
1152	Prepare ROD	NA	NA	30 edays	Tue 2/16/10	Thu 3/18/10	NA	NA										
1153	DOI Approval Process	NA	NA	90 edays	Thu 3/18/10	Wed 6/16/10	NA	NA										
1154	Issue Groundwater ROD	NA	NA	0 days	Wed 6/16/10	Wed 6/16/10	NA	NA										
1155	Soil	NA	NA	198 days	Fri 2/15/13	Wed 11/20/13	NA	NA										
1166	EIR DOCUMENTATION	Thu 5/11/06	Thu 8/9/07	2091.6 days	Thu 9/1/05	Thu 8/22/13	Thu 9/1/05	NA										
1167	Scoping of EIR needs	NA	NA	45 days	Thu 9/1/05	Tue 11/1/05	Thu 9/1/05	Tue 11/1/05										
1168	DTSC/PG&E, MOU signed for EIR	NA	NA	40 days	Wed 11/2/05	Tue 12/27/05	Wed 11/2/05	Tue 12/27/05										
1169	EIR Contractor Interviews and Contract Negotiations	NA	NA	47 days	Thu 7/27/06	Fri 9/29/06	Thu 7/27/06	Fri 9/29/06										
1170	Project Initiation	Tue 1/2/07	Tue 1/2/07	1 day	Tue 1/2/07	Tue 1/2/07	Tue 1/2/07	Tue 1/2/07										
1171	Project and Remedy Alternatives Description and Technical Work Plan	Wed 1/3/07	Wed 10/3/07	376 days	Mon 9/10/07	Mon 2/16/09	Mon 9/10/07	NA										
1186	NOP and scoping	Wed 4/11/07	Thu 9/25/08	277 days	Thu 1/10/08	Fri 1/30/09	Thu 1/10/08	Fri 1/30/09										
1196	Program EIR	NA	NA	514 days	Tue 7/29/08	Sun 7/18/10	Tue 7/29/08	NA										



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*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.

Topock Remediation Detailed Project Schedule

May 15, 2009 (Version 6)

ID	Task Name	Baseline Start	Baseline Finish	Forecasted Duration	Forecasted Start	Forecasted Finish	Actual Start	Actual Finish	2009				2010			
									Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
1197	Draft EIR preparation	Tue 7/8/08	Mon 11/2/09	314 days	Tue 7/29/08	Fri 10/9/09	Tue 7/29/08	NA								
1220	Draft EIR public review process	Fri 8/14/09	Fri 2/26/10	75 days	Fri 11/13/09	Fri 2/26/10	NA	NA								
1221	DTSC files draft EIR and NOC with SCH. Notice of Availability is circulated/published. Circulate Draft EIR.	Mon 11/2/09	Thu 12/17/09	75 edays	Fri 11/13/09	Wed 1/27/10	NA	NA								
1222	DTSC and EDAW conduct public hearing with public, tribes, and agencies	Fri 8/14/09	Fri 8/14/09	30 edays	Mon 11/30/09	Wed 12/30/09	NA	NA								
1223	PG&E review and comment	Tue 5/11/10	Fri 6/25/10	75 edays	Fri 11/13/09	Wed 1/27/10	NA	NA								
1224	CWG review and comment	Tue 5/11/10	Fri 6/25/10	75 edays	Fri 11/13/09	Wed 1/27/10	NA	NA								
1225	Tribal review and comment	Tue 5/11/10	Fri 6/25/10	75 edays	Fri 11/13/09	Wed 1/27/10	NA	NA								
1226	Draft EIR public comment period closes	Fri 12/18/09	Fri 12/18/09	1 eday	Tue 1/26/10	Wed 1/27/10	NA	NA								
1227	EDAW assimilates comments and prepares responses for inclusion in final EIR	Mon 12/21/09	Fri 2/26/10	30 edays	Wed 1/27/10	Fri 2/26/10	NA	NA								
1228	Final EIR	Fri 2/26/10	Mon 8/9/10	101.9 days	Wed 1/27/10	Fri 6/18/10	NA	NA								
1229	EDAW Submits Request for Work Authorization for Final EIR	NA	NA	5 days	Wed 1/27/10	Wed 2/3/10	NA	NA								
1230	PG&E Issues Work Authorization for Final EIR	NA	NA	20 days	Wed 2/3/10	Wed 3/3/10	NA	NA								
1231	EDAW prepares first administrative draft of final EIR for DTSC review	Fri 2/26/10	Fri 5/28/10	44 edays	Wed 3/3/10	Fri 4/16/10	NA	NA								
1232	DTSC reviews first administrative draft final EIR; provides comments to EDAW	Fri 5/28/10	Sun 6/27/10	30 edays	Fri 4/16/10	Sun 5/16/10	NA	NA								
1233	EDAW prepares screencheck final EIR	Mon 6/28/10	Fri 7/16/10	7.5 days	Mon 5/17/10	Wed 5/26/10	NA	NA								
1234	DTSC reviews screencheck final EIR and provides comments to EDAW	Mon 7/19/10	Fri 8/6/10	15 days	Wed 5/26/10	Wed 6/16/10	NA	NA								
1235	EDAW prepares draft Mitigation Monitoring Plan (MMP) for review by DTSC	Thu 7/19/07	Fri 8/6/10	7.5 days	Wed 5/26/10	Fri 6/4/10	NA	NA								
1236	DTSC distributes final EIR to public/commenting agencies/tribal representatives	Mon 8/9/10	Mon 8/9/10	1 day	Wed 6/16/10	Thu 6/17/10	NA	NA								
1237	Final EIR hearing conducted by DTSC; EIR certified	Mon 8/9/10	Mon 8/9/10	1 day	Thu 6/17/10	Fri 6/18/10	NA	NA								
1238	Notice of Determination filing	Mon 8/9/10	Wed 9/8/10	20.5 days	Fri 6/18/10	Sun 7/18/10	NA	NA								
1239	Notice of Determination (NOD) is filed with County Clerk; posts for 30 calendar days	Mon 8/9/10	Wed 9/8/10	30 edays	Fri 6/18/10	Sun 7/18/10	NA	NA								
1240	Supplemental EIR - Soil	NA	NA	225.6 days	Thu 10/11/12	Thu 8/22/13	NA	NA								
1253	DESIGN, PERMITTING, AND CONSTRUCTION	Thu 9/9/10	Fri 6/15/12	601 days	Tue 7/20/10	Tue 11/6/12	NA	NA								