

Handout 4A - Topock Remediation Project Schedule

Update August 15, 2007

ID	Task Name	Forecasted Duration	Baseline Start	Baseline Finish	Forecasted Start	Forecasted Finish	Actual Start	Actual Finish	2006				2007				2008				2009				2010				2011				2				
									Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2							
1	INTERIM MEASURES (IM)	2069 days	Thu 1/22/04	Thu 11/24/11	Thu 1/22/04	Thu 11/24/11	Thu 1/22/04	NA																													
33	IM3 Cultural Resources Management Plan (IM3 CRMP)	915 days	Thu 7/1/04	Fri 11/30/07	Thu 7/1/04	Fri 11/30/07	Thu 7/1/04	NA																													
34	Submit IM3 CRMP	1 day	Thu 7/1/04	Thu 7/1/04	Thu 7/1/04	Thu 7/1/04	Thu 7/1/04	Thu 7/1/04	Thu 7/1/04																												
35	Tribal consultations/comments	819 days	Fri 7/2/04	Mon 7/23/07	Fri 7/2/04	Mon 7/23/07	Fri 7/2/04	Mon 7/23/07																													
36	BLM/Tribes meeting	1 day	Wed 5/30/07	Wed 5/30/07	Wed 5/30/07	Wed 5/30/07	Wed 5/30/07	Wed 5/30/07																													
37	BLM provide revised IM3 CRMP	1 day	Tue 7/24/07	Tue 7/24/07	Tue 7/24/07	Tue 7/24/07	Tue 7/24/07	Tue 7/24/07																													
38	Meetings with DOI/Tribes/PG&E	1 day	Tue 9/25/07	Tue 9/25/07	Tue 9/25/07	Tue 9/25/07	NA	NA																													
39	BLM letter to SHPO	5 days	Wed 9/26/07	Tue 10/2/07	Wed 9/26/07	Tue 10/2/07	NA	NA																													
40	SHPO consultation	30 edays	Tue 10/2/07	Thu 11/1/07	Tue 10/2/07	Thu 11/1/07	NA	NA																													
41	Finalize IM3 CRMP	1 mon	Fri 11/2/07	Fri 11/30/07	Fri 11/2/07	Fri 11/30/07	NA	NA																													
42	New Extraction Well PE-1/Facilities	230 days	Mon 3/21/05	Fri 1/27/06	Mon 3/21/05	Fri 1/27/06	Mon 3/21/05	Fri 1/27/06																													
52	Supplemental Extraction Well and Facilities	127 days	Fri 7/29/05	Thu 1/19/06	Fri 7/29/05	Thu 1/19/06	Mon 3/21/05	Thu 1/19/06																													
60	Decommissioning of IM No. 2 Batch Treatment	783 days	Fri 8/5/05	Mon 7/21/08	Fri 8/5/05	Mon 7/21/08	Fri 8/5/05	NA																													
61	IM No. 2 treatment facilities removed	22 days	Fri 8/5/05	Mon 9/5/05	Fri 8/5/05	Mon 9/5/05	Fri 8/5/05	Mon 9/5/05																													
62	IM No. 2 contingency facilities removed	409 days	Mon 1/1/07	Mon 7/21/08	Mon 1/1/07	Mon 7/21/08	Mon 1/1/07	NA																													
63	Informal Consultation with BLM	87 days	Mon 1/1/07	Mon 4/30/07	Mon 1/1/07	Mon 4/30/07	Mon 1/1/07	Mon 4/30/07																													
64	PG&E consultation with FMIT	9 days	Mon 5/7/07	Thu 5/17/07	Mon 5/7/07	Thu 5/17/07	Mon 5/7/07	Thu 5/17/07																													
65	Decommissioning Plan to BLM	12 days	Thu 5/17/07	Thu 5/31/07	Thu 5/17/07	Thu 5/31/07	Thu 5/17/07	Thu 5/31/07																													
66	BLM review/comment on Decommissioning Work Plan	30 days	Fri 6/1/07	Thu 7/12/07	Fri 6/1/07	Thu 7/12/07	Fri 6/1/07	Thu 7/12/07																													
67	DTSC review/comment on Decommissioning Work Plan	29 days	Fri 6/1/07	Wed 7/11/07	Fri 6/1/07	Wed 7/11/07	Fri 6/1/07	Wed 7/11/07																													
68	BLM issue clarification/comment letter for Work Plan	6 days	Fri 7/13/07	Fri 7/20/07	Fri 7/13/07	Fri 7/20/07	Fri 7/13/07	Fri 7/20/07																													
69	PG&E respond to BLM comments	20 days	Mon 7/23/07	Fri 8/17/07	Mon 7/23/07	Fri 8/17/07	Mon 7/23/07	NA																													
70	Contract/Design/Procurement	6 mons	Mon 8/20/07	Fri 2/8/08	Mon 8/20/07	Fri 2/8/08	NA	NA																													
71	IM No. 2 Contingency Facilities Removed	164 edays	Fri 2/8/08	Mon 7/21/08	Fri 2/8/08	Mon 7/21/08	NA	NA																													
72	INTERIM MEASURES and TREATED WATER MANAGEMENT	1823 days	Mon 5/3/04	Fri 3/25/11	Mon 5/3/04	Fri 3/25/11	Mon 5/3/04	NA																													
218	PUBLIC PARTICIPATION PLAN	578 days	Mon 12/20/04	Fri 2/9/07	Mon 12/20/04	Fri 2/9/07	Mon 12/20/04	Fri 2/9/07																													
227	BASELINE RESOURCE ASSESSMENTS	819 days	Mon 11/1/04	Wed 11/21/07	Mon 11/1/04	Wed 11/21/07	Mon 11/1/04	NA																													
228	Expanded Biological Surveys and Report	280 days	Mon 11/1/04	Thu 11/10/05	Mon 11/1/04	Thu 11/10/05	Mon 11/1/04	Thu 11/10/05																													
233	Expanded Cultural Resource Surveys and Report	819 days	Mon 11/1/04	Wed 11/21/07	Mon 11/1/04	Wed 11/21/07	Mon 11/1/04	NA																													
234	Survey	45 days	Mon 11/1/04	Thu 12/30/04	Mon 11/1/04	Thu 12/30/04	Mon 11/1/04	Thu 12/30/04																													
235	Cultural Resource Findings Report Preparation and Submittal	80 days	Tue 1/4/05	Mon 4/18/05	Tue 1/4/05	Mon 4/18/05	Tue 1/4/05	Mon 4/18/05																													
236	BLM Review	186 days	Thu 6/22/06	Wed 2/28/07	Thu 6/22/06	Wed 2/28/07	Thu 6/22/06	Wed 2/28/07																													
237	Final Cultural Addendum 3 Resources Report	11.2 wks	Thu 3/1/07	Thu 5/17/07	Thu 3/1/07	Thu 5/17/07	Thu 3/1/07	Thu 5/17/07																													
238	BLM Review and Comment	43.38 edays	Thu 5/17/07	Fri 6/29/07	Thu 5/17/07	Fri 6/29/07	Thu 5/17/07	Fri 6/29/07																													
239	PG&E issues updates to Cultural Revised Addendum 3 Resources Report	101 days	Mon 7/2/07	Fri 11/16/07	Mon 7/2/07	Fri 11/16/07	Mon 7/2/07	NA																													
240	BLM issues updates to the Final Report to Tribes/SHPO	3 days	Mon 11/19/07	Wed 11/21/07	Mon 11/19/07	Wed 11/21/07	NA	NA																													
241	SITE WIDE CEQA DOCUMENTATION (on hold)	123 days	Wed 5/17/06	Wed 11/1/06	Wed 5/17/06	Wed 11/1/06	Wed 5/17/06	Wed 11/1/06																													
244	PROGRAMMATIC BIOLOGICAL ASSESSMENT (PBA)	35 days	Tue 12/19/06	Wed 1/31/07	Tue 12/19/06	Wed 1/31/07	Tue 12/19/06	Wed 1/31/07																													
249	REMEDIAL FACILITY INVESTIGATION/REMEDIAL INVESTIGATION (RFI/RI)	3855.05 days	Sat 2/24/96	Tue 11/2/10	Sat 2/24/96	Tue 11/2/10	Sat 2/24/96	NA																													
250	Historical RFI/RI Reports (Feb. 2005 and Prior Versions)	2455 days	Sat 2/24/96	Fri 7/8/05	Sat 2/24/96	Fri 7/8/05	Sat 2/24/96	Fri 7/8/05																													
268	Prepare Final Site History Report (Vol 1)	465 days	Tue 11/15/05	Tue 8/14/07	Tue 11/15/05	Tue 8/14/07	Tue 11/15/05	NA																													
269	Revise Table of Contents and Prepare Response to Comments for Site History	22 days	Tue 11/15/05	Wed 12/14/05	Tue 11/15/05	Wed 12/14/05	Tue 11/15/05	Wed 12/14/05																													
270	DTSC meeting with stakeholders	55 days	Thu 12/15/05	Wed 3/1/06	Thu 12/15/05	Wed 3/1/06	Thu 12/15/05	Wed 3/1/06																													
271	DTSC/DOI Approval of Response to Comments for Site History	94 days	Thu 12/15/05	Fri 4/21/06	Thu 12/15/05	Fri 4/21/06	Thu 12/15/05	Fri 4/21/06																													
272	Prepare Final Site History Document	116 edays	Sat 5/13/06	Wed 9/6/06	Sat 5/13/06	Wed 9/6/06	Sat 5/13/06	Wed 9/6/06																													
273	DOI review/approval of Final Site History Document	57 edays	Wed 9/6/06	Thu 11/2/06	Wed 9/6/06	Thu 11/2/06	Wed 9/6/06	Thu 11/2/06																													
274	DTSC review/comment on Final Site History Document	245 edays	Wed 9/6/06	Wed 5/9/07	Wed 9/6/06	Wed 5/9/07	Wed 9/6/06	Wed 5/9/07																													
275	PG&E respond to DTSC comments	38 days	Thu 5/10/07	Fri 6/29/07	Thu 5/10/07	Fri 6/29/07	Thu 5/10/07	Fri 6/29/07																													
276	DTSC review/comment	13 days	Mon 7/2/07	Wed 7/18/07	Mon 7/2/07	Wed 7/18/07	Mon 7/2/07	Wed 7/18/07																													
277	DTSC/PG&E review comments via conference call	1 day	Tue 7/24/07	Tue 7/24/07	Tue 7/24/07	Tue 7/24/07	Tue 7/24/07	Tue 7/24/07																													
278	PG&E respond to DTSC comments	7 days	Wed 7/25/07	Thu 8/2/07	Wed 7/25/07	Thu 8/2/07	Wed 7/25/07	Thu 8/2/07																													
279	DTSC review response to comments	3.38 edays	Fri 8/3/07	Mon 8/6/07	Fri 8/3/07	Mon 8/6/07	Fri 8/3/07	Mon 8/6/07																													
280	Final Site History Document Vol. 1 Reissued	5 days	Tue 8/7/07	Mon 8/13/07	Tue 8/7/07	Mon 8/13/07	Tue 8/7/07	NA																													
281	DTSC issues final approval of Final Site History Document Vol. 1	1 day	Tue 8/14/07	Tue 8/14/07	Tue 8/14/07	Tue 8/14/07	NA	NA																													

Notes:

Anticipated Dates		
Key Decision Document	Groundwater	Soil
Statement of Basis	February 2010 (Line 945)	February 2012 (Line 952)
EIR Notice of Determination Filing	May 2009 (Line 1031)	November 20

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									Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
282	DOI issues final concurrence of Final Site History Document Vol. 1	1 day	Tue 8/14/07	Tue 8/14/07	Tue 8/14/07	Tue 8/14/07	NA	NA																									
283	Prepare Final Groundwater RFI/RI (Vol 2)	884 days	Mon 6/27/05	Fri 10/24/08	Mon 6/27/05	Fri 10/24/08	Mon 6/27/05	NA																									
284	Response to comments on Feb. 2005 RFI/RI Report	244 days	Tue 10/3/06	Fri 8/31/07	Tue 10/3/06	Fri 8/31/07	Tue 10/3/06	NA																									
285	Revise Table of Contents and Prepare Responses to Comments	47 days	Tue 10/3/06	Wed 12/6/06	Tue 10/3/06	Wed 12/6/06	Tue 10/3/06	Wed 12/6/06																									
286	DTSC Approval of Response to Comments	197 days	Thu 12/7/06	Fri 8/31/07	Thu 12/7/06	Fri 8/31/07	Thu 12/7/06	NA																									
287	DOI Approval of Response to Comments	56 days	Thu 12/7/06	Fri 2/16/07	Thu 12/7/06	Fri 2/16/07	Thu 12/7/06	Fri 2/16/07																									
288	Prepare/submit e-mail on agreement on datasets for RFI/RI Volume 2	1 day	Wed 7/4/07	Wed 7/4/07	Wed 7/4/07	Wed 7/4/07	Wed 7/4/07	Wed 7/4/07																									
289	DTSC review/concur with agreement stated in e-mail	7 days	Thu 7/5/07	Fri 7/13/07	Thu 7/5/07	Fri 7/13/07	Thu 7/5/07	Fri 7/13/07																									
290	DOI review/concur with agreement stated in e-mail	20 days	Thu 7/5/07	Wed 8/1/07	Thu 7/5/07	Wed 8/1/07	Thu 7/5/07	Wed 8/1/07																									
291	Floodplain Data Gap Investigation	93 days	Fri 1/6/06	Fri 5/12/06	Fri 1/6/06	Fri 5/12/06	Fri 1/6/06	Fri 5/12/06																									
294	Pore Water and Seepage Study	151 days	Mon 6/27/05	Tue 1/17/06	Mon 6/27/05	Tue 1/17/06	Mon 6/27/05	Tue 1/17/06																									
307	Additional Plume Characterization Investigation	547 days	Fri 9/29/06	Fri 10/24/08	Fri 9/29/06	Fri 10/24/08	Fri 9/29/06	NA																									
308	CA Slant Drilling	305 days	Fri 9/29/06	Wed 11/21/07	Fri 9/29/06	Wed 11/21/07	Fri 9/29/06	NA																									
309	Work Plan and Project Planning	93 days	Fri 9/29/06	Wed 1/31/07	Fri 9/29/06	Wed 1/31/07	Fri 9/29/06	Wed 1/31/07																									
319	Authorizations and Permitting	75 days	Tue 11/7/06	Tue 2/13/07	Tue 11/7/06	Tue 2/13/07	Tue 11/7/06	Tue 2/13/07																									
348	Drilling Field Investigation	28 days	Wed 2/21/07	Fri 3/30/07	Wed 2/21/07	Fri 3/30/07	Wed 2/21/07	Fri 3/30/07																									
351	Analysis & Reporting	148 days	Wed 5/2/07	Wed 11/21/07	Wed 5/2/07	Wed 11/21/07	Wed 5/2/07	NA																									
352	Analysis and Reporting	8.6 wks	Wed 5/2/07	Thu 6/28/07	Wed 5/2/07	Thu 6/28/07	Wed 5/2/07	Thu 6/28/07																									
353	Monthly Sampling	5 mons	Fri 6/29/07	Wed 11/21/07	Fri 6/29/07	Wed 11/21/07	Fri 6/29/07	NA																									
354	PG&E Submit Report to DTSC/DOI and FMIT	1 day	Fri 6/29/07	Fri 6/29/07	Fri 6/29/07	Fri 6/29/07	Fri 6/29/07	Fri 6/29/07																									
355	DTSC Send Report to CWG/TWG and Tribes	6 days	Fri 6/29/07	Fri 7/6/07	Fri 6/29/07	Fri 7/6/07	Fri 6/29/07	Fri 7/6/07																									
356	AZ Drilling	367 days	Fri 12/1/06	Fri 4/18/08	Fri 12/1/06	Fri 4/18/08	Fri 12/1/06	NA																									
357	Work Plan and Project Planning	176 days	Fri 12/1/06	Fri 7/27/07	Fri 12/1/06	Fri 7/27/07	Fri 12/1/06	Fri 7/27/07																									
358	Preparation and Submit Draft Work Plan	36 days	Fri 12/1/06	Tue 1/16/07	Fri 12/1/06	Tue 1/16/07	Fri 12/1/06	Tue 1/16/07																									
359	ADEQ comments to PG&E on Draft Work Plan	9 days	Wed 1/17/07	Fri 1/26/07	Wed 1/17/07	Fri 1/26/07	Wed 1/17/07	Fri 1/26/07																									
360	DOI comments to PG&E on Draft Work Plan	10 days	Wed 1/17/07	Mon 1/29/07	Wed 1/17/07	Mon 1/29/07	Wed 1/17/07	Mon 1/29/07																									
361	Prepare Response to Comments from ADEQ	3 days	Mon 1/29/07	Wed 1/31/07	Mon 1/29/07	Wed 1/31/07	Mon 1/29/07	Wed 1/31/07																									
362	Prepare Response to Comments from DOI	4 days	Tue 1/30/07	Fri 2/2/07	Tue 1/30/07	Fri 2/2/07	Tue 1/30/07	Fri 2/2/07																									
363	DTSC comments to PG&E on Draft Work Plan	15 days	Wed 1/17/07	Mon 2/5/07	Wed 1/17/07	Mon 2/5/07	Wed 1/17/07	Mon 2/5/07																									
364	Tribal comments to ADEQ and DOI on Draft Work Plan	15 days	Wed 1/17/07	Mon 2/5/07	Wed 1/17/07	Mon 2/5/07	Wed 1/17/07	Mon 2/5/07																									
365	Prepare Response to Comments from DTSC/FMIT	17 days	Tue 2/6/07	Wed 2/28/07	Tue 2/6/07	Wed 2/28/07	Tue 2/6/07	Wed 2/28/07																									
366	Prepare/Submit Revised Work Plan to ADEQ and DOI (copy	18 days	Tue 2/6/07	Thu 3/1/07	Tue 2/6/07	Thu 3/1/07	Tue 2/6/07	Thu 3/1/07																									
367	ADEQ Conditional Approval of Workplan	70.38 edays	Thu 3/1/07	Thu 5/10/07	Thu 3/1/07	Thu 5/10/07	Thu 3/1/07	Thu 5/10/07																									
368	Prepare/Submit Request to Implement Work Plan to HNWR	2 days	Thu 3/1/07	Fri 3/2/07	Thu 3/1/07	Fri 3/2/07	Thu 3/1/07	Fri 3/2/07																									
369	Prepare/Submit Archaeological Historical Investigations Sev	5 days	Mon 3/5/07	Fri 3/9/07	Mon 3/5/07	Fri 3/9/07	Mon 3/5/07	Fri 3/9/07																									
370	Prepare/submit Well Design Lessons Learned TM to DOI/AC	12 days	Fri 6/1/07	Mon 6/18/07	Fri 6/1/07	Mon 6/18/07	Fri 6/1/07	Mon 6/18/07																									
371	ADEQ review and comment	24 days	Tue 6/19/07	Fri 7/20/07	Tue 6/19/07	Fri 7/20/07	Tue 6/19/07	Fri 7/20/07							</																		

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									Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
389	Prepare/Submit Notice of Intent to Drill	14 days	Wed 3/14/07	Mon 4/2/07	Wed 3/14/07	Mon 4/2/07	Wed 3/14/07	Mon 4/2/07																										
390	Issue Permit to Drill Wells	5 days	Sat 9/1/07	Thu 9/6/07	Sat 9/1/07	Thu 9/6/07	NA	NA																										
391	AZ State Land Department	170 days	Fri 3/23/07	Tue 11/13/07	Fri 3/23/07	Tue 11/13/07	Fri 3/23/07	NA																										
392	Scoping Meeting with ASLD	1 day	Fri 3/23/07	Fri 3/23/07	Fri 3/23/07	Fri 3/23/07	Fri 3/23/07	Fri 3/23/07																										
393	Prepare/Submit Topock Sovereign Boundary Inve	29 days	Tue 4/10/07	Fri 5/18/07	Tue 4/10/07	Fri 5/18/07	Tue 4/10/07	Fri 5/18/07																										
394	Prepare/Submit Right of Way (ROW) Application	43 days	Mon 3/26/07	Tue 5/22/07	Mon 3/26/07	Tue 5/22/07	Mon 3/26/07	Tue 5/22/07																										
395	Issue ROW Permit (duration is tentative)	6 mons	Wed 5/23/07	Tue 11/13/07	Wed 5/23/07	Tue 11/13/07	Wed 5/23/07	NA																										
396	Prepare/submit Right of Entry (ROE) Application	10 days	Fri 6/15/07	Thu 6/28/07	Fri 6/15/07	Thu 6/28/07	Fri 6/15/07	Thu 6/28/07																										
397	AZLD review ROE Application/issue draft permit	52 edays	Fri 6/29/07	Mon 8/20/07	Fri 6/29/07	Mon 8/20/07	Fri 6/29/07	NA																										
398	Review/return signed permit to AZLD	5 days	Mon 8/20/07	Fri 8/24/07	Mon 8/20/07	Fri 8/24/07	NA	NA																										
399	AZLD Commissioner execute ROE Permit	5 days	Mon 8/27/07	Fri 8/31/07	Mon 8/27/07	Fri 8/31/07	NA	NA																										
400	Drilling Field Investigation	150 days	Mon 6/25/07	Thu 1/17/08	Mon 6/25/07	Thu 1/17/08	Mon 6/25/07	NA																										
401	USGS Seismic Survey and Preliminary Data Release	1.38 mons	Mon 6/25/07	Thu 8/2/07	Mon 6/25/07	Thu 8/2/07	Mon 6/25/07	Thu 8/2/07																										
402	USGS Prepare Final Seismic Survey Report	108 days	Fri 8/3/07	Mon 12/31/07	Fri 8/3/07	Mon 12/31/07	Fri 8/3/07	NA																										
403	Stakeholder Attending Kick-Off Meeting at Drilling Site	1 day	Mon 10/1/07	Mon 10/1/07	Mon 10/1/07	Mon 10/1/07	NA	NA																										
404	Stakeholder Attending Kick-Off Meeting at Drilling Site	1 day	Mon 10/1/07	Mon 10/1/07	Mon 10/1/07	Mon 10/1/07	NA	NA																										
405	Stakeholder Attending Kick-Off Meeting at Drilling Site	1 day	Mon 10/1/07	Mon 10/1/07	Mon 10/1/07	Mon 10/1/07	NA	NA																										
406	Stakeholder Attending Kick-Off Meeting at Drilling Site	1 day	Mon 10/1/07	Mon 10/1/07	Mon 10/1/07	Mon 10/1/07	NA	NA																										
407	Stakeholder Attending Kick-Off Meeting at Drilling Site	1 day	Mon 10/1/07	Mon 10/1/07	Mon 10/1/07	Mon 10/1/07	NA	NA																										
408	Site Preparation and Staging	5 edays	Mon 10/1/07	Sat 10/6/07	Mon 10/1/07	Sat 10/6/07	NA	NA																										
409	Drilling Equipment Mobilization - Site 1	2 edays	Thu 10/11/07	Sat 10/13/07	Thu 10/11/07	Sat 10/13/07	NA	NA																										
410	Drilling/Sampling & Well Installation - Site 1	26 edays	Sat 10/13/07	Thu 11/8/07	Sat 10/13/07	Thu 11/8/07	NA	NA																										
411	Drilling Equipment Mobilization - Site 2	2 edays	Thu 11/8/07	Sat 11/10/07	Thu 11/8/07	Sat 11/10/07	NA	NA																										
412	Drilling/Sampling & Well Installation - Site 2	6 edays	Sat 11/10/07	Fri 11/16/07	Sat 11/10/07	Fri 11/16/07	NA	NA																										
413	Drilling Equipment Mobilization - Site AB-2	2 edays	Mon 11/19/07	Wed 11/21/07	Mon 11/19/07	Wed 11/21/07	NA	NA																										
414	Drilling/Sampling & Well Installation - Site AB-2	17 edays	Wed 11/21/07	Sat 12/8/07	Wed 11/21/07	Sat 12/8/07	NA	NA																										
415	Monitoring Well Development & Sampling	1.5 ewks	Sat 12/8/07	Wed 12/19/07	Sat 12/8/07	Wed 12/19/07	NA	NA																										
416	Second Sampling	2 days	Wed 1/16/08	Thu 1/17/08	Wed 1/16/08	Thu 1/17/08	NA	NA																										
417	Analysis & Reporting	66 days	Thu 1/17/08	Fri 4/18/08	Thu 1/17/08	Fri 4/18/08	NA	NA																										
418	Prepare/Submit Field Summary Report to AZ/CA agencies	9 ewks	Thu 1/17/08	Thu 3/20/08	Thu 1/17/08	Thu 3/20/08	NA	NA																										
419	Preparation of Request for No Further Action Determination	9 ewks	Thu 1/17/08	Thu 3/20/08	Thu 1/17/08	Thu 3/20/08	NA	NA																										
420	PG&E Submit Request for No Further Action to ADEQ	1 day	Fri 3/21/08	Fri 3/21/08	Fri 3/21/08	Fri 3/21/08	NA	NA																										
421	PG&E Present Report to CWG/TWG	1 day	Mon 3/24/08	Mon 3/24/08	Mon 3/24/08	Mon 3/24/08	NA	NA																										
422	ADEQ review/approve Request for No Further Action*	4 wks	Mon 3/24/08	Fri 4/18/08	Mon 3/24/08	Fri 4/18/08	NA	NA																										
423	Additional Bedrock Investigation	308 days	Fri 10/20/06	Mon 12/17/07	Fri 10/20/06	Mon 12/17/07	Fri 10/20/06	NA																										
424	Work Plan and Project Planning	196 days	Fri 10/20/06	Fri 7/13/07	Fri 10/20/06	Fri 7/13/07	Fri 10/20/06	Fri 7/13/07																										
445	Authorization and Permitting	105 days	Tue 10/31/06	Tue 3/20/07	Tue 10/31/06	Tue 3/20/07	Tue 10/31/06	Tue 3/20/07																										
457	Field Implementation	137 days	Mon 4/2/07	Fri 10/5/07	Mon 4/2/07	Fri 10/5/07	Mon 4/2/07	NA																										
458	Project Kickoff Meeting for PGE-6 and PGE-7 (MW-24 Benc	1 day	Mon 4/2/07	Mon 4/2/07	Mon 4/2/07	Mon 4/2/07	Mon 4/2/07	Mon 4/2/07																										
459	PGE-6 Well Abandonment and PGE-7 Pre-testing Actives	24 days	Tue 4/3/07	Fri 5/4/07	Tue 4/3/07	Fri 5/4/07	Tue 4/3/07	Fri 5/4/07																										
460	Well Video and Geophysics at PGE-7 & MW-48	3 days	Tue 4/3/07	Thu 4/5/07	Tue 4/3/07	Thu 4/5/07	Tue 4/3/07	Thu 4/5/07																										
461	Well Redevelopment at PGE-7	3 days	Wed 4/18/07	Fri 4/20/07	Wed 4/18/07	Fri 4/20/07	Wed 4/18/07	Fri 4/20/07																										
462	Flow Logging at PGE-7	1 day	Fri 4/20/07	Fri 4/20/07	Fri 4/20/07	Fri 4/20/07	Fri 4/20/07	Fri 4/20/07																										
463	Deploy Transducers in Observation Wells	1 day	Mon 7/30/07	Mon 7/30/07	Mon 7/30/07	Mon 7/30/07	Mon 7/30/07	Mon 7/30/07																										
464	Retrofit PGE-7 for Water Level Monitoring/Testing/Hydraulic	3 days	Fri 8/3/07	Tue 8/7/07	Fri 8/3/07	Tue 8/7/07	Fri 8/3/07	Tue 8/7/07																										
465	Install pump at PGE-8/conduct step test/setup for constant r	3 days	Wed 8/1/07	Fri 8/3/07	Wed 8/1/07	Fri 8/3/07	Wed 8/1/07	Fri 8/3/07																										
466	Hydraulic Testing at PGE-7	0 days	Tue 8/14/07	Tue 8/14/07	Tue 8/14/07	Tue 8/14/07	NA	NA																										
467	Repair packer at PGE-7	2 days	Mon 8/6/07	Tue 8/7/07	Mon 8/6/07	Tue 8/7/07	Mon 8/6/07	Tue 8/7/07																										
468	Hydraulic Testing at PGE-8	3 edays	Wed 8/8/07	Wed 8/8/07	Wed 8/8/07	Wed 8/8/07	Sat 8/11/07	Wed 8/8/07																										
469	Retrofit PGE-8 for Injection Testing	1 day	Wed 8/15/07	Wed 8/15/07	Wed 8/15/07	Wed 8/15/07	NA	NA																										
470	Injection Testing at PGE-8	2 days	Thu 8/16/07	Fri 8/17/07	Thu 8/16/07	Fri 8/17/07	NA	NA																										
471	Remove injection testing tubing/packer from PGE-8	1 day	Wed 8/22/07	Wed 8/22/07	Wed 8/22/07	Wed 8/22/07	NA	NA																										
472	Download and Remove Transducers from Observation Well	1 day	Tue 9/4/07	Tue 9/4/07	Tue 9/4/07	Tue 9/4/07	NA	NA																										
473	Conduct Slug Test at MW-48 (part of Oct GMP event)	1 day	Fri 10/5/07	Fri 10/5/07	Fri 10/5/07	Fri 10/5/07	NA	NA																										

Handout 4A - Topock Remediation Project Schedule Update August 15, 2007

ID	Task Name	Forecasted Duration	Baseline Start	Baseline Finish	Forecasted Start	Forecasted Finish	Actual Start	Actual Finish	2006				2007				2008				2009				2010				2011				2
									Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2			
474	Reporting	163 days	Mon 5/7/07	Mon 12/17/07	Mon 5/7/07	Mon 12/17/07	Mon 5/7/07	NA																									
475	PGE-6 Decommissioning	103 days	Mon 5/7/07	Mon 9/24/07	Mon 5/7/07	Mon 9/24/07	Mon 5/7/07	NA																									
476	Prepare Decommissioning Report	43 days	Mon 5/7/07	Tue 7/3/07	Mon 5/7/07	Tue 7/3/07	Mon 5/7/07	Tue 7/3/07																									
477	PG&E submits report to DTSC/DOI and FMIT	1 day	Tue 7/3/07	Tue 7/3/07	Tue 7/3/07	Tue 7/3/07	Tue 7/3/07	Tue 7/3/07																									
478	DTSC Send to CWG/TWG and Tribes	3 days	Wed 7/4/07	Fri 7/6/07	Wed 7/4/07	Fri 7/6/07	Wed 7/4/07	Fri 7/6/07																									
479	DTSC Review and Approve Decommissioning Report	60 days	Wed 7/4/07	Mon 9/24/07	Wed 7/4/07	Mon 9/24/07	Wed 7/4/07	Mon 9/24/07																									
480	Hydraulic Testing	74 days	Thu 8/30/07	Mon 12/17/07	Tue 9/4/07	Mon 12/17/07	NA	NA																									
481	Data Analysis/Interpretation/Reporting	8 ewks	Tue 9/4/07	Tue 10/30/07	Tue 9/4/07	Tue 10/30/07	NA	NA																									
482	PG&E submits report to DTSC/DOI and FMIT	1 day	Wed 10/31/07	Wed 10/31/07	Wed 10/31/07	Wed 10/31/07	NA	NA																									
483	DTSC Send Report to CWG/TWG and Tribe	3 days	Thu 11/1/07	Mon 11/5/07	Thu 11/1/07	Mon 11/5/07	NA	NA																									
484	PG&E Present Report to CWG/TWG	1 day	Mon 12/17/07	Mon 12/17/07	Mon 12/17/07	Mon 12/17/07	NA	NA																									
485	Prepare and Submit Final GW RFI/RI	284.38 days	Wed 8/1/07	Mon 9/1/08	Wed 8/1/07	Mon 9/1/08	Wed 8/1/07	NA																									
486	Prepare Draft RFI/RI Vol 2 report	6.23 mons	Wed 8/1/07	Tue 1/29/08	Wed 8/1/07	Tue 1/29/08	Wed 8/1/07	NA																									
487	PG&E review/outreach with Tribes	1.5 mons	Tue 1/22/08	Thu 3/6/08	Tue 1/22/08	Thu 3/6/08	NA	NA																									
488	Finalize and submit RFI/RI Vol 2 report to DTSC/DOI	2 wks	Thu 3/6/08	Thu 3/20/08	Thu 3/6/08	Thu 3/20/08	NA	NA																									
489	DTSC sends report to CWG/TWG and Tribes for review	3 days	Thu 3/20/08	Tue 3/25/08	Thu 3/20/08	Tue 3/25/08	NA	NA																									
490	CWG/TWG Review and Provide Comments	2.05 mons	Tue 3/25/08	Fri 5/23/08	Tue 3/25/08	Fri 5/23/08	NA	NA																									
491	Tribes Review and Provide Comments	2.05 mons	Tue 3/25/08	Fri 5/23/08	Tue 3/25/08	Fri 5/23/08	NA	NA																									
492	PG&E presents Key Report Conclusions/Recommendations to C	2 days	Fri 4/11/08	Tue 4/15/08	Fri 4/11/08	Tue 4/15/08	NA	NA																									
493	DTSC outreach with Tribes	2 wks	Fri 4/11/08	Fri 4/25/08	Fri																												

Tasks Not Started/In Progress

Tasks Finished

Baseline Schedule

Milestone

Overall Task Duration

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 4A - Topock Remediation Project Schedule
Update August 15, 2007

ID	Task Name	Forecasted Duration	Baseline Start	Baseline Finish	Forecasted Start	Forecasted Finish	Actual Start	Actual Finish	2006				2007				2008				2009				2010				2011				2
									Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
528	Implementation of Off-site Soil Sampling (Part A)	904.5 days	Sat 7/15/06	Wed 12/23/09	Sat 7/15/06	Wed 12/23/09	Sat 7/15/06	NA																									
529	Part A Phase I	540.5 days	Sat 7/15/06	Thu 7/31/08	Sat 7/15/06	Thu 7/31/08	Sat 7/15/06	NA																									
530	Prepare/submit Draft Part A Work Plan to DTSC/DOI	90 days	Sat 7/15/06	Thu 11/16/06	Sat 7/15/06	Thu 11/16/06	Sat 7/15/06	Thu 11/16/06																									
531	PG&E submitted revised figures	5 days	Tue 11/28/06	Mon 12/4/06	Tue 11/28/06	Mon 12/4/06	Tue 11/28/06	Mon 12/4/06																									
532	PG&E performed site walk to review offsite sampling locations	2 days	Mon 12/11/06	Tue 12/12/06	Mon 12/11/06	Tue 12/12/06	Mon 12/11/06	Tue 12/12/06																									
533	DTSC performed site walk to review offsite sampling locations	2 days	Mon 12/11/06	Tue 12/12/06	Mon 12/11/06	Tue 12/12/06	Mon 12/11/06	Tue 12/12/06																									
534	Tribes performed site walk to review offsite sampling locations	2 days	Wed 12/13/06	Thu 12/14/06	Wed 12/13/06	Thu 12/14/06	Wed 12/13/06	Thu 12/14/06																									
535	DTSC review and initial comments to PG&E	64 days	Fri 11/17/06	Thu 2/8/07	Fri 11/17/06	Thu 2/8/07	Fri 11/17/06	Thu 2/8/07																									
536	DOI initial review	64 days	Fri 11/17/06	Thu 2/8/07	Fri 11/17/06	Thu 2/8/07	Fri 11/17/06	Thu 2/8/07																									
537	DTSC send Draft Part A Work Plan to CWG for review	3 days	Wed 12/20/06	Fri 12/22/06	Wed 12/20/06	Fri 12/22/06	Wed 12/20/06	Fri 12/22/06																									
538	CWG review	40 days	Thu 12/21/06	Fri 2/9/07	Thu 12/21/06	Fri 2/9/07	Thu 12/21/06	Fri 2/9/07																									
539	DTSC send preliminary comments to PG&E	1 day	Fri 2/2/07	Fri 2/2/07	Fri 2/2/07	Fri 2/2/07	Fri 2/2/07	Fri 2/2/07																									
540	FMIT review and comment to DTSC/DOI	40 days	Thu 12/21/06	Fri 2/9/07	Thu 12/21/06	Fri 2/9/07	Thu 12/21/06	Fri 2/9/07																									
541	DTSC/DOI/PG&E discuss DTSC preliminary comments	1 day	Wed 2/7/07	Wed 2/7/07	Wed 2/7/07	Wed 2/7/07	Wed 2/7/07	Wed 2/7/07																									
542	Prepare preliminary proposal for eco comparison values/evaluate	19 days	Thu 2/8/07	Tue 3/6/07	Thu 2/8/07	Tue 3/6/07	Thu 2/8/07	Tue 3/6/07																									
543	DTSC/DOI/PG&E discuss FMIT and DTSC prelim comments	1 day	Wed 3/7/07	Wed 3/7/07	Wed 3/7/07	Wed 3/7/07	Wed 3/7/07	Wed 3/7/07																									
544	Prepare/submit annotated DQO outlines for Part A (and B)	16 days	Tue 3/13/07	Tue 4/3/07	Tue 3/13/07	Tue 4/3/07	Tue 3/13/07	Tue 4/3/07																									
545	DTSC/DOI/PG&E discuss annotated DQO outlines and Soil Work	1 day	Wed 4/4/07	Wed 4/4/07	Wed 4/4/07	Wed 4/4/07	Wed 4/4/07	Wed 4/4/07																									
546	PG&E submitted TM on Former 300B Pipeline Liquids Tank Clos	1 day	Thu 4/26/07	Thu 4/26/07	Thu 4/26/07	Thu 4/26/07	Thu 4/26/07	Thu 4/26/07																									
547	DTSC review/comment	26 days	Fri 4/27/07	Thu 5/31/07	Fri 4/27/07	Thu 5/31/07	Fri 4/27/07	Thu 5/31/07																									
548	DOI review/comment	37 days	Fri 4/27/07	Fri 6/15/07	Fri 4/27/07	Fri 6/15/07	Fri 4/27/07	Fri 6/15/07																									
549	DTSC send comments on Part A/Part B DQO's	36 days	Thu 4/5/07	Wed 5/23/07	Thu 4/5/07	Wed 5/23/07	Thu 4/5/07	Wed 5/23/07																									
550	DTSC send draft comments to Tribes/DOI/ PG&E	3 days	Fri 5/25/07	Tue 5/29/07	Fri 5/25/07	Tue 5/29/07	Fri 5/25/07	Tue 5/29/07																									
551	DTSC respond to FMIT preliminary comments	1 day	Fri 6/8/07	Fri 6/8/07	Fri 6/8/07	Fri 6/8/07	Fri 6/8/07	Fri 6/8/07																									
552	DTSC send Part A conditional approval letter to PG&E	47 days	Mon 6/11/07	Tue 8/14/07	Mon 6/11/07	Tue 8/14/07	Mon 6/11/07	NA																									
553	Prepare/submit a Request for Approval to Implement Phase I Inv	2 wks	Wed 8/15/07	Tue 8/28/07	Wed 8/15/07	Tue 8/28/07	NA	NA																									
554	Approval Process for Part A Phase I Investigation	75 days	Tue 8/28/07	Mon 12/10/07	Tue 8/28/07	Mon 12/10/07	NA	NA																									
555	Tribal Consultation*	60 edays	Tue 8/28/07	Sat 10/27/07	Tue 8/28/07	Sat 10/27/07	NA	NA																									
556	SHPO Review	30 edays	Sat 10/27/07	Mon 11/26/07	Sat 10/27/07	Mon 11/26/07	NA	NA																									
557	PBA Compliance Review	15 days	Wed 8/29/07	Mon 9/17/07	Wed 8/29/07	Mon 9/17/07	NA	NA																									
558	DOI Approval	10 days	Tue 11/27/07	Mon 12/10/07	Tue 11/27/07	Mon 12/10/07	NA	NA																									
559	CDFG Notify	15 days	Wed 8/29/07	Mon 9/17/07	Wed 8/29/07	Mon 9/17/07	NA	NA																									
560	Caltrans Encroachment	95 edays	Tue 8/28/07	Sat 12/1/07	Tue 8/28/07	Sat 12/1/07	NA	NA																									
561	BNSF Encroachment	95 edays	Tue 8/28/07	Sat 12/1/07	Tue 8/28/07	Sat 12/1/07	NA	NA																									
562	Pipeline Encroachment	95 edays	Tue 8/28/07	Sat 12/1/07	Tue 8/28/07	Sat 12/1/07	NA	NA																									
563	Part A Phase I Field Implementation/Data Reporting	145.5 days	Thu 1/10/08	Thu 7/31/08	Thu 1/10/08	Thu 7/31/08	NA	NA																									
564	Implement Phase I off-site soil investigation	10 wks	Thu 1/10/08	Wed 3/19/08	Thu 1/10/08	Wed 3/19/08	NA	NA																									
565	Prepare/submit Tech Memo (data tables/figures) to describe	12 wks	Thu 3/20/08	Wed 6/11/08	Thu 3/20/08	Wed 6/11/08	NA	NA																									
566	DTSC forward to CWG/TWG/Tribes	3 days	Thu 6/12/08	Mon 6/16/08	Thu 6/12/08	Mon 6/16/08	NA	NA																									
567	PG&E presents to TWG/CWG	2 days	Wed 6/18/08	Thu 6/19/08	Wed 6/18/08	Thu 6/19/08	NA	NA																									
568	DTSC review and comment on TM (data tables/figures)	1.5 mons	Tue 6/17/08	Wed 7/30/08	Tue 6/17/08	Wed 7/30/08	NA	NA																									
569	DOI review and comments on TM (data tables/figures)	1.5 mons	Tue 6/17/08	Wed 7/30/08	Tue 6/17/08	Wed 7/30/08	NA	NA																									
570	FMIT/CRIT/Hualapai/Chemuevi/Tribes review and comment	1.5 mons	Tue 6/17/08	Wed 7/30/08	Tue 6/17/08	Wed 7/30/08	NA	NA																									
571	Agency/Tribes/PG&E meet to discuss comments	1 day	Wed 7/30/08	Thu 7/31/08	Wed 7/30/08	Thu 7/31/08	NA	NA																									
572	Part A Phase II	364 days	Thu 7/31/08	Wed 12/23/09	Thu 7/31/08	Wed 12/23/09	NA	NA																									
573																																	

Handout 4A - Topock Remediation Project Schedule

Update August 15, 2007

ID	Task Name	Forecasted Duration	Baseline Start	Baseline Finish	Forecasted Start	Forecasted Finish	Actual Start	Actual Finish	2006				2007				2008				2009				2010				2011				2	
									Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
582	Prepare/submit a Request for Approval to Implement Phase II Inv	10 days	Tue 1/13/09	Mon 1/26/09	Tue 1/13/09	Mon 1/26/09	NA	NA																										
583	Approval Process for Phase II Investigation	81 days	Mon 1/26/09	Tue 5/19/09	Mon 1/26/09	Tue 5/19/09	NA	NA																										
584	Tribal Consultation*	60 edays	Mon 1/26/09	Fri 3/27/09	Mon 1/26/09	Fri 3/27/09	NA	NA																										
585	BLM send Addendum to SHPO	7 days	Mon 3/30/09	Tue 4/7/09	Mon 3/30/09	Tue 4/7/09	NA	NA																										
586	SHPO Review	30 edays	Tue 4/7/09	Thu 5/7/09	Tue 4/7/09	Thu 5/7/09	NA	NA																										
587	BLM signs off on SHPO concurrence	3 days	Fri 5/8/09	Tue 5/12/09	Fri 5/8/09	Tue 5/12/09	NA	NA																										
588	DOI approval	5 days	Wed 5/13/09	Tue 5/19/09	Wed 5/13/09	Tue 5/19/09	NA	NA																										
589	Part A Phase II Field Implementation/Data Reporting	155.5 days	Wed 5/20/09	Wed 12/23/09	Wed 5/20/09	Wed 12/23/09	NA	NA																										
590	Implement Phase II off-site soil investigation*	2 mons	Wed 5/20/09	Thu 7/16/09	Wed 5/20/09	Thu 7/16/09	NA	NA																										
591	Prepare/submit TM (data tables/figures) to describe distributi	12 wks	Fri 7/17/09	Thu 10/8/09	Fri 7/17/09	Thu 10/8/09	NA	NA																										
592	DTSC forward to CWG/TWG/Tribes	3 days	Fri 10/9/09	Tue 10/13/09	Fri 10/9/09	Tue 10/13/09	NA	NA																										
593	PG&E presents to TWG/CWG	2 days	Wed 10/14/09	Thu 10/15/09	Wed 10/14/09	Thu 10/15/09	NA	NA																										
594	DTSC review and comment on TM (data tables/figures)	1.5 mons	Wed 10/14/09	Thu 11/26/09	Wed 10/14/09	Thu 11/26/09	NA	NA																										
595	DOI review and comments on TM (data tables/figures)	1.5 mons	Wed 10/14/09	Thu 11/26/09	Wed 10/14/09	Thu 11/26/09	NA	NA																										
596	FMIT/CRIT/Hualapai/Chemuevi/Tribes review and comment	1.5 mons	Wed 10/14/09	Thu 11/26/09	Wed 10/14/09	Thu 11/26/09	NA	NA																										
597	Agency/Tribes/PG&E meet to discuss comments	1 day	Thu 12/3/09	Fri 12/4/09	Thu 12/3/09	Fri 12/4/09	NA	NA																										
598	Prepare/submit response to comments	10 days	Fri 12/4/09	Fri 12/18/09	Fri 12/4/09	Fri 12/18/09	NA	NA																										
599	DTSC forward response to comments to CWG/TWG	3 days	Fri 12/18/09	Wed 12/23/09	Fri 12/18/09	Wed 12/23/09	NA	NA																										
600	Implementation of On-site Soil Sampling (Part B)	573 days	Wed 12/6/06	Thu 2/5/09	Wed 12/6/06	Thu 2/5/09	Wed 12/6/06	NA																										
601	Submit Part B Work Plan Assumptions	1 day	Wed 12/6/06	Wed 12/6/06	Wed 12/6/06	Wed 12/6/06	Wed 12/6/06	Wed 12/6/06																										
602	DTSC review of Part B Assumptions	62 days	Thu 12/7/06	Mon 2/26/07	Thu 12/7/06	Mon 2/26/07	Thu 12/7/06	Mon 2/26/07																										
603	DOI review of Part B Assumptions	62 days	Mon 2/27/06	Mon 2/26/07	Thu 12/7/06	Mon 2/26/07	Thu 12/7/06	Mon 2/26/07																										
604	DTSC set up a conference call to discuss Part B Assumptions	1 day	Tue 2/27/07	Tue 2/27/07	Tue 2/27/07	Tue 2/27/07	Tue 2/27/07	Tue 2/27/07																										
605	Prepare/submit annotated DQO outlines for Part B (and A)	16 days	Tue 3/13/07	Tue 4/3/07	Tue 3/13/07	Tue 4/3/07	Tue 3/13/07	Tue 4/3/07																										
606	DTSC/DOI/PG&E discuss annotated DQO outlines and Soil Work Plan	1 day	Wed 4/4/07	Wed 4/4/07	Wed 4/4/07	Wed 4/4/07	Wed 4/4/07	Wed 4/4/07																										
607	Resubmit 2005 Soil and Sediment Data Usability Assessment Tech M	1 day	Mon 6/18/07	Mon 6/18/07	Mon 6/18/07	Mon 6/18/07	Mon 6/18/07	Mon 6/18/07																										
608	DOI review/approval of Data Usability Assessment Tech Memo	54 days	Tue 6/19/07	Fri 8/31/07	Tue 6/19/07	Fri 8/31/07	Tue 6/19/07	NA																										
609	Prepare/submit Draft Part B Work Plan	75 days	Fri 7/20/07	Wed 10/31/07	Fri 7/20/07	Wed 10/31/07	Fri 7/20/07	NA																										
610	DTSC send Draft Part B Work Plan to CWG for review	3 days	Thu 11/1/07	Mon 11/5/07	Thu 11/1/07	Mon 11/5/07	NA	NA																										
611	DTSC review and provide comments to PG&E	30 days	Thu 11/1/07	Wed 12/12/07	Thu 11/1/07	Wed 12/12/07	NA	NA																										
612	DOI review and provide comments to PG&E	30 days	Thu 11/1/07	Wed 12/12/07	Thu 11/1/07	Wed 12/12/07	NA	NA																										
613	Tribes review Draft Part B Work Plan	30 edays	Wed 10/31/07	Fri 11/30/07	Wed 10/31/07	Fri 11/30/07	NA	NA																										
614	CWG review and send comments to DTSC/DOI	30 edays	Wed 10/31/07	Fri 11/30/07	Wed 10/31/07	Fri 11/30/07	NA	NA																										
615	DTSC Convene Meeting with Tribe	1 mon	Mon 12/3/07	Mon 12/31/07	Mon 12/3/07	Mon 12/31/07	NA	NA																										
616	PG&E Provide Response to Comments	3 wks	Tue 1/1/08	Mon 1/21/08	Tue 1/1/08	Mon 1/21/08	NA	NA																										
617	DTSC Forward Response to Comments to Stakeholders	3 days	Tue 1/22/08	Thu 1/24/08	Tue 1/22/08	Thu 1/24/08	NA	NA																										
618	Prepare/submit Final Part B Work Plan	45 days	Fri 1/25/08	Thu 3/27/08	Fri 1/25/08	Thu 3/27/08	NA	NA																										
619	DTSC review Final Part B Work Plan	1 mon	Fri 3/28/08	Fri 4/25/08	Fri 3/28/08	Fri 4/25/08	NA	NA																										
620	DOI review and comment on Final Part B Work Plan	1 mon	Fri 3/28/08	Fri 4/25/08	Fri 3/28/08	Fri 4/25/08	NA	NA																										
621	DTSC conditionally approve Part B Work Plan	1 day	Mon 4/28/08	Mon 4/28/08	Mon 4/28/08	Mon 4/28/08	NA	NA																										
622	Prepare/submit a request for approval to implement Part B Work Plan	2 wks	Tue 4/29/08	Mon 5/12/08	Tue 4/29/08	Mon 5/12/08	NA	NA																										
623	Approval Process for On-Site Sampling	74 days	Mon 5/12/08	Fri 8/22/08	Mon 5/12/08	Fri 8/22/08	NA	NA																										
624	Tribal Consultation*	60 edays	Mon 5/12/08	Fri 7/11/08	Mon 5/12/08	Fri 7/11/08	NA	NA																										
625	SHPO Review	30 edays	Fri 7/11/08	Sun 8/10/08	Fri 7/11/08	Sun 8/10/08	NA	NA																										
626	PBA Compliance Review	15 days	Tue 5/13/08	Mon 6/2/08	Tue 5/13/08	Mon 6/2/08	NA	NA																										
627	DOI Approval	10 days	Mon 8/11/08	Fri 8/22/08	Mon 8/11/08	Fri 8/22/08	NA	NA																										
628	Part B Field Implementation/Data Reporting	119 days	Mon 8/25/08	Thu 2/5/09	Mon 8/25/08	Thu 2/5/09	NA	NA																										
629	Implement on-site soil investigation *	6 wks	Mon 8/25/08	Fri 10/3/08	Mon 8/25/08	Fri 10/3/08	NA	NA																										
630	Prepare/submit TM (data tables/figures) to describe distribution o	45 days	Mon 10/6/08	Fri 12/5/08	Mon 10/6/08	Fri 12/5/08	NA	NA																										
631	DTSC forward to CWG/TWG/Tribes	3 days	Mon 12/8/08	Wed 12/10/08	Mon 12/8/08	Wed 12/10/08	NA	NA																										
632	PG&E presents to CWG/TWG	2 days	Thu 12/11/08	Fri 12/12/08	Thu 12/11/08	Fri 12/12/08	NA	NA																										
633	DTSC review and comment on TM (data tables/figures)	30 edays	Fri 12/12/08	Sun 1/11/09	Fri 12/12/08	Sun 1/11/09	NA	NA																										
634	DOI review and comments on TM (data tables/figures)	30 edays	Fri 12/12/08	Sun 1/11/09	Fri 12/12/08	Sun 1/11/09	NA	NA																										
635	FMIT/CRIT/Hualapai/Chemuevi/Tribes review and comment on TI	30 edays	Fri 12/12/08	Sun 1/11/09	Fri 12/12/08	Sun 1/11/09	NA	NA																										

Handout 4A - Topock Remediation Project Schedule Update August 15, 2007

ID	Task Name	Forecasted Duration	Baseline Start	Baseline Finish	Forecasted Start	Forecasted Finish	Actual Start	Actual Finish	2006				2007				2008				2009				2010				2011				2012	
									Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
636	Agency/Tribes/PG&E meeting to discuss comments	1 day	Mon 1/19/09	Mon 1/19/09	Mon 1/19/09	Mon 1/19/09	NA	NA																										
637	Prepare/submit response to comments	10 days	Tue 1/20/09	Mon 2/2/09	Tue 1/20/09	Mon 2/2/09	NA	NA																										
638	DTSC forward response to comments to CWG/TWG	3 days	Tue 2/3/09	Thu 2/5/09	Tue 2/3/09	Thu 2/5/09	NA	NA																										
639	Prepare and Submit Final Soil RFI/RI	226.55 days	Fri 12/18/09	Tue 11/2/10	Fri 12/18/09	Tue 11/2/10	NA	NA																										
640	Prepare Draft RFI/RI Vol 3 report	3 mons	Fri 12/18/09	Wed 3/17/10	Fri 12/18/09	Wed 3/17/10	NA	NA																										
641	PG&E outreach with Tribes	1 mon	Tue 3/2/10	Wed 3/31/10	Tue 3/2/10	Wed 3/31/10	NA	NA																										
642	Finalize and submit RFI/RI Vol 3 report to DTSC/DOI	2 wks	Wed 3/31/10	Wed 4/14/10	Wed 3/31/10	Wed 4/14/10	NA	NA																										
643	DTSC sends report to CWG/TWG and Tribes for review	3 days	Wed 4/14/10	Mon 4/19/10	Wed 4/14/10	Mon 4/19/10	NA	NA																										
644	CWG/TWG Review and Provide Comments	2.05 mons	Mon 4/19/10	Thu 6/17/10	Mon 4/19/10	Thu 6/17/10	NA	NA																										
645	Tribes Review and Provide Comments	2.05 mons	Mon 4/19/10	Thu 6/17/10	Mon 4/19/10	Thu 6/17/10	NA	NA																										
646	PG&E presents Key Report Conclusions/Recommendations to CWG/TWG	2 days	Mon 4/19/10	Wed 4/21/10	Mon 4/19/10	Wed 4/21/10	NA	NA																										
647	DTSC outreach with Tribes	2 wks	Mon 4/19/10	Mon 5/3/10	Mon 4/19/10	Mon 5/3/10	NA	NA																										
648	DTSC convene to discuss stakeholders' comments	3 wks	Thu 6/17/10	Thu 7/8/10	Thu 6/17/10	Thu 7/8/10	NA	NA																										
649	DOI convene to discuss stakeholders' comments	1 wk	Thu 6/17/10	Thu 6/24/10	Thu 6/17/10	Thu 6/24/10	NA	NA																										
650	DTSC provide written comments/directives to PG&E	1 mon	Thu 6/17/10	Fri 7/16/10	Thu 6/17/10	Fri 7/16/10	NA	NA																										
651	DOI provide written comments/directives to PG&E	2 wks	Thu 6/24/10	Thu 7/8/10	Thu 6/24/10	Thu 7/8/10	NA	NA																										
652	PG&E prepares response to comments and revise RFI/RI Vol. 3 and s	1.5 mons	Fri 7/16/10	Tue 8/31/10	Fri 7/16/10	Tue 8/31/10	NA	NA																										
653	DTSC issues response to comments to CWG/TWG/Tribes	3 days	Tue 8/31/10	Fri 9/3/10	Tue 8/31/10	Fri 9/3/10	NA	NA																										
654	DOI review and provide comments on Revised RFI/RI Vol. 3	4 wks	Tue 8/31/10	Tue 9/28/10	Tue 8/31/10	Tue 9/28/10	NA	NA																										
655	DTSC review and provide comments on revised RFI/RI Vol. 3	4 wks	Tue 8/31/10	Tue 9/28/10	Tue 8/31/10	Tue 9/28/10	NA	NA																										
656	PG&E prepares response to comments and replacement pages and s	2 wks	Tue 9/28/10	Tue 10/12/10	Tue 9/28/10	Tue 10/12/10	NA	NA																										
657	DTSC review and and approve RFI/RI Vol. 3	2 wks	Tue 10/12/10	Tue 10/26/10	Tue 10/12/10	Tue 10/26/10	NA	NA																										
658	DOI review and approve RFI/RI Vol. 3 Report	2 wks	Tue 10/12/10	Tue 10/26/10	Tue 10/12/10	Tue 10/26/10	NA	NA																										
659	PG&E issues Final Soil RFI/RI Vol 3	1 wk	Tue 10/26/10	Tue 11/2/10	Tue 10/26/10	Tue 11/2/10	NA	NA																										
660	ADEQ Topock Groundwater Study	475 days	Thu 11/18/04	Wed 8/23/06	Thu 11/18/04	Wed 8/23/06	Thu 11/18/04	Wed 8/23/06																										
664	CORRECTIVE MEASURES/REMEDIAL ALTERNATIVE DEVELOPMENT	1211 days	Mon 3/29/04	Wed 10/15/08	Mon 3/29/04	Wed 10/15/08	Mon 3/29/04	NA																										
665	Supplemental Field Studies	1211 days	Mon 3/29/04	Wed 10/15/08	Mon 3/29/04	Wed 10/15/08	Mon 3/29/04	NA																										
666	Aerobic/Anaerobic Core Testing	1058 days	Mon 3/29/04	Fri 3/14/08	Mon 3/29/04	Fri 3/14/08	Mon 3/29/04	NA																										
667	2004-2005 Core Testing	290 days	Mon 3/29/04	Tue 4/26/05	Mon 3/29/04	Tue 4/26/05	Mon 3/29/04	Tue 4/26/05																										
675	2006-2007 Core Testing	549 days	Tue 2/21/06	Fri 3/14/08	Tue 2/21/06	Fri 3/14/08	Tue 2/21/06	NA																										
676	Collect core samples from MW-44 and MW-47	7 days	Tue 2/21/06	Wed 3/1/06	Tue 2/21/06	Wed 3/1/06	Tue 2/21/06	Wed 3/1/06																										
677	Submit test plan to DTSC	1 day	Fri 6/2/06	Fri 6/2/06	Fri 6/2/06	Fri 6/2/06	Fri 6/2/06	Fri 6/2/06																										
678	DTSC review/approval of test plan	243 days	Mon 6/5/06	Tue 5/1/07	Mon 6/5/06	Tue 5/1/07	Mon 6/5/06	Tue 5/1/07																										
679	Conduct laboratory testing of MW-44 and MW-47 cores	7 mons	Fri 6/1/07	Fri 12/21/07	Fri 6/1/07	Fri 12/21/07	Fri 6/1/07	NA																										
680	Submit aerobic/anaerobic core test results	60 days	Mon 12/24/07	Fri 3/14/08	Mon 12/24/07	Fri 3/14/08	NA	NA																										
681	Geotechnical studies for physical barrier	213 days	Mon 3/29/04	Fri 1/14/05	Mon 3/29/04	Fri 1/14/05	Mon 3/29/04	Fri 1/14/05																										
690	Seismic Survey	62 days	Thu 10/28/04	Wed 8/15/07	Thu 10/28/04	Wed 1/19/05	Thu 10/28/04	Wed 1/19/05																										
692	Groundwater Background Study	791 days	Thu 11/18/04	Wed 10/31/07	Thu 11/18/04	Wed 10/31/07	Thu 11/18/04	NA																										
693	Steps 1 and 2 - Field Implementation and Reporting	410 days	Thu 11/18/04	Fri 5/26/06	Thu 11/18/04	Fri 5/26/06	Thu 11/18/04	Fri 5/26/06																										
704	Steps 3 and 4 - Groundwater Background Study Report	301 days	Thu 9/14/06	Wed 10/31/07	Thu 9/14/06	Wed 10/31/07	Thu 9/14/06	NA																										
705	Submit TM Outlining Approach to Calculating Background Values	1 day	Thu 9/14/06	Thu 9/14/06	Thu 9/14/06	Thu 9/14/06	Thu 9/14/06	Thu 9/14/06																										
706	DTSC review/direct PG&E to proceed w/ Background Study Repr	7.7 wks	Fri 9/15/06	Wed 11/8/06	Fri 9/15/06	Wed 11/8/06	Fri 9/15/06	Wed 11/8/06																										
707	Prepare/submit Background Study Report to DTSC/DOI	12 wks	Thu 11/9/06	Thu 1/25/07	Thu 11/9/06	Thu 1/25/07	Thu 11/9/06	Thu 1/25/07																										
708	Present prelim background values to CWG/TWG in Dec mtgs	2 days	Thu 12/21/06	Fri 12/22/06	Thu 12/21/06	Fri 12/22/06	Thu 12/21/06	Fri 12/22/06																										
709	DTSC send Background Study Report to CWG/TWG for review	3 days	Fri 1/26/07	Tue 1/30/07	Fri 1/26/07	Tue 1/30/07	Fri 1/26/07	Tue 1/30/07																										
710	FMIT review and comment	23 days	Wed 1/31/07	Fri 3/2/07	Wed 1/31/07	Fri 3/2/07	Wed 1/31/07	Fri 3/2/07																										
711	DTSC prelim review and comment (request additional figures/tab	13 days	Wed 1/31/07	Fri 2/16/07	Wed 1/31/07	Fri 2/16/07	Wed 1/31/07	Fri 2/16/07																										
712	DOI review and comment (USGS 2/28/07 memo)	21 days	Wed 1/31/07	Wed 2/28/07	Wed 1/31/07	Wed 2/28/07	Wed 1/31/07	Wed 2/28/07																										
713	DTSC/USGS/PG&E discuss prelim comments at Feb TWG mtg	1 day	Wed 2/21/07	Wed 2/21/07	Wed 2/21/07	Wed 2/21/07	Wed 2/21/07	Wed 2/21/07																										
714	DTSC/USGS/PG&E discuss follow-up tech issues from Feb TWG	1 day	Mon 2/26/07	Mon 2/26/07	Mon 2/26/07	Mon 2/26/07	Mon 2/26/07	Mon 2/26/07																										
715	Prepare/submit additional figures/tables requested by DTSC	9 days	Mon 2/19/07	Thu 3/1/07	Mon 2/19/07	Thu 3/1/07	Mon 2/19/07	Thu 3/1/07																										
716	DTSC review and provide comments/direction	138 days	Fri 3/2/07	Fri 9/7/07	Fri 3/2/07	Fri 9/7/07	Fri 3/2/07	NA																										
717	PG&E revise Background Study Report	3 wks	Mon 9/10/07	Fri 9/28/07	Mon 9/10/07	Fri 9/28/07	NA	NA																										
718	DTSC forward to CWG/TWG/Tribes	3 days	Mon 10/1/07	Wed 10/3/07	Mon 10/1/07	Wed 10/3/07	NA	NA																										

Tasks Not Started/In Progress

Tasks Finished

Baseline Schedule

Milestone

Overall Task Duration

Color Coding:

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

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

Handout 4A - Topock Remediation Project Schedule Update August 15, 2007

ID	Task Name	Forecasted Duration	Baseline Start	Baseline Finish	Forecasted Start	Forecasted Finish	Actual Start	Actual Finish	2006				2007				2008				2009				2010				2011				2
									Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
719	CWG/TWG review and comment	2 wks	Thu 10/4/07	Wed 10/17/07	Thu 10/4/07	Wed 10/17/07	NA	NA																									
720	Tribes review and comment	2 wks	Thu 10/4/07	Wed 10/17/07	Thu 10/4/07	Wed 10/17/07	NA	NA																									
721	DTSC review and approval	2 wks	Thu 10/18/07	Wed 10/31/07	Thu 10/18/07	Wed 10/31/07	NA	NA																									
722	DOI review and approval	2 wks	Thu 10/18/07	Wed 10/31/07	Thu 10/18/07	Wed 10/31/07	NA	NA																									
723	Chromium Isotope Study	429 days	Fri 4/7/06	Thu 11/15/07	Fri 4/7/06	Thu 11/15/07	Fri 4/7/06	NA																									
724	Phase 1 Work Plan and Implementation	173 days	Fri 4/7/06	Thu 11/30/06	Fri 4/7/06	Thu 11/30/06	Fri 4/7/06	Thu 11/30/06																									
727	Phase 2 Work Plan and Implementation	249 days	Tue 12/12/06	Thu 11/15/07	Tue 12/12/06	Thu 11/15/07	Tue 12/12/06	NA																									
728	TWG request from PG&E a list of the wells proposed for Phase 2 (De	1 day	Tue 12/12/06	Tue 12/12/06	Tue 12/12/06	Tue 12/12/06	Tue 12/12/06	Tue 12/12/06																									
729	PG&E prepare/submit list of proposed wells	55 days	Wed 12/13/06	Wed 2/21/07	Wed 12/13/06	Wed 2/21/07	Wed 12/13/06	Wed 2/21/07																									
730	DTSC/PG&E/USGS discuss list of proposed wells (Feb TWG mtg	1 day	Thu 2/22/07	Thu 2/22/07	Thu 2/22/07	Thu 2/22/07	Thu 2/22/07	Thu 2/22/07																									
731	DTSC/PG&E discuss about starting Phase 2 Work Plan preparati	8 days	Fri 2/23/07	Tue 3/6/07	Fri 2/23/07	Tue 3/6/07	Fri 2/23/07	Tue 3/6/07																									
732	DTSC issues requirement for CIS Phase 2	1 day	Thu 4/5/07	Thu 4/5/07	Thu 4/5/07	Thu 4/5/07	Thu 4/5/07	Thu 4/5/07																									
733	Prepare/submit Phase 2 Work Plan to DTSC/DOI	0.55 mons	Fri 3/9/07	Fri 4/6/07	Fri 3/9/07	Fri 4/6/07	Fri 3/9/07	Fri 4/6/07																									
734	DTSC send Phase 2 Work Plan to CWG/TWG for review	5 days	Mon 4/9/07	Fri 4/13/07	Mon 4/9/07	Fri 4/13/07	Mon 4/9/07	Fri 4/13/07																									
735	DTSC review/comment on Work Plan	14 days	Mon 4/9/07	Thu 4/26/07	Mon 4/9/07	Thu 4/26/07	Mon 4/9/07	Thu 4/26/07																									
736	PG&E respond to comments	1 day	Fri 4/27/07	Fri 4/27/07	Fri 4/27/07	Fri 4/27/07	Fri 4/27/07	Fri 4/27/07																									
737	DTSC approve Work Plan	1 day	Fri 4/27/07	Fri 4/27/07	Fri 4/27/07	Fri 4/27/07	Fri 4/27/07	Fri 4/27/07																									
738	PG&E conduct field sampling/send samples to USGS lab	1 mon	Mon 4/30/07	Fri 5/25/07	Mon 4/30/07	Fri 5/25/07	Mon 4/30/07	Fri 5/25/07																									
739	USGS conduct lab analysis	2.86 mons	Mon 6/4/07	Fri 8/24/07	Mon 6/4/07	Fri 8/24/07	Mon 6/4/07	Mon 6/4/07																									
740	Prepare/submit Phase 2 Report to DTSC/DOI	2 mons	Mon 8/27/07	Mon 10/22/07	Mon 8/27/07	Mon 10/22/07	Mon 10/22/07	NA																									
741	DTSC send to CWG/TWG	3 days	Tue 10/23/07	Thu 10/25/07	Tue 10/23/07	Thu 10/25/07	NA	NA																									
742	PG&E presents Summary of Report to TWG/CWG	15 days	Fri 10/26/07	Thu 11/15/07	Fri 10/26/07	Thu 11/15/07	NA	NA																									
743	In situ pilot study work plans	208 days	Thu 11/4/04	Mon 8/8/05	Thu 11/4/04	Mon 8/8/05	Thu 11/4/04	Mon 8/8/05																									
749	Floodplain in situ pilot study and reporting	623 days	Mon 8/8/05	Wed 12/12/07	Mon 8/8/05	Wed 12/12/07	Mon 8/8/05	NA																									
750	Implementation of 1st - 4th Injections	420 days	Mon 8/8/05	Tue 3/6/07	Mon 8/8/05	Tue 3/6/07	Mon 8/8/05	Tue 3/6/07																									
765	Implementation of 5th and 6th Injections (incl. Monitoring)	92 days	Mon 5/7/07	Fri 9/7/07	Mon 5/7/07	Fri 9/7/07	Mon 5/7/07	NA																									
766	Interim Floodplain Pilot Test Status Reporting	353 days	Fri 6/16/06	Thu 10/11/07	Fri 6/16/06	Thu 10/11/07	Fri 6/16/06	NA																									
767	Final Floodplain Pilot Test Report	65 days	Tue 9/4/07	Mon 12/3/07	Tue 9/4/07	Mon 12/3/07	NA	NA																									
768	DTSC Send to CWG/TWG and Tribe	3 days	Tue 12/4/07	Thu 12/6/07	Tue 12/4/07	Thu 12/6/07	NA	NA																									
769	PG&E Present Final Floodplain Pilot Test Report to CWG/TWG	1 day	Wed 12/12/07	Wed 12/12/07	Wed 12/12/07	Wed 12/12/07	NA	NA																									
770	Upland in situ pilot study implementation	630 days	Tue 5/30/06	Wed 10/15/08	Tue 5/30/06	Wed 10/15/08	Tue 5/30/06	NA																									
771	Revised Upland Study Work Plan	183 days	Tue 5/30/06	Wed 1/31/07	Tue 5/30/06	Wed 1/31/07	Tue 5/30/06	Wed 1/31/07																									
772	Authorization and Permitting	147 days	Wed 10/11/06	Fri 4/27/07	Wed 10/11/06	Fri 4/27/07	Wed 10/11/06	Fri 4/27/07																									
792	Pilot Test Design/Procurement (including revision to design)	54 days	Tue 2/6/07	Fri 4/20/07	Tue 2/6/07	Fri 4/20/07	Tue 2/6/07	Fri 4/20/07																									
793	Well Construction	62 days	Mon 4/23/07	Mon 7/16/07	Mon 4/23/07	Mon 7/16/07	Mon 4/23/07	Mon 7/16/07																									
794	Civil/Mechanical Construction	10 days	Mon 8/6/07	Fri 8/17/07	Mon 8/6/07	Fri 8/17/07	NA	NA																									
795	Pre-Injection Baseline Sampling 1	5 days	Tue 7/17/07	Mon 7/23/07	Tue 7/17/07	Mon 7/23/07	Tue 7/17/07	NA																									
796	Implementation of Upland pilot study	10.08 mons	Mon 8/27/07	Mon 6/16/08	Mon 8/27/07	Mon 6/16/08	NA	NA																									
797	Pre-Injection Baseline Sampling 2	5 days	Mon 9/10/07	Fri 9/14/07	Mon 9/10/07	Fri 9/14/07	NA	NA																									
798	Interim Upland Pilot Test Report Preparation and Submittal	193 days	Wed 11/14/07	Fri 8/8/08	Wed 11/14/07	Fri 8/8/08	NA	NA																									
799	Final Pilot Test Report	64 days	Fri 6/13/08	Thu 9/11/08	Fri 6/13/08	Thu 9/11/08	NA	NA																									
800	DTSC Send to CWG/TWG and Tribe	3 days	Thu 9/11/08	Tue 9/16/08	Thu 9/11/08	Tue 9/16/08	NA	NA																									
801	PG&E Present Final Floodplain Pilot Test Report to CWG/TWG	1 day	Wed 10/15/08	Wed 10/15/08	Wed 10/15/08	Wed 10/15/08	NA	NA																									
802	Revised Groundwater Modeling	185 days	NA	NA	Mon 9/17/07	Fri 5/30/08	NA	NA																									
803	Update groundwater model to incorporate hydraulic testing/AZ drilling	185 days	Mon 9/17/07	Fri 5/30/08	Mon 9/17/07	Fri 5/30/08	NA	NA																									
804	Corrective Measures Study/Feasibility Study (CMS/FS)	2312 days	Mon 12/16/02	Thu 9/22/11	Mon 12/16/02	Thu 9/22/11	Mon 12/16/02	NA																									
805	CMS Work Plan	1291 days	Mon 12/16/02	Wed 10/24/07	Mon 12/16/02	Wed 10/24/07	Mon 12/16/02	NA																									
806	Submit CMS/FS Work Plan	1 day	Mon 12/16/02	Mon 12/16/02	Mon 12/16/02	Mon 12/16/02	Mon 12/16/02	Mon 12/16/02																									
807	DTSC review/approve CMS/FS Work Plan	136 days	Tue 12/17/02	Tue 6/24/03	Tue 12/17/02	Tue 6/24/03	Tue 12/17/02	Tue 6/24/03																									
808	DTSC send to CWG for comments	3 days	Mon 12/19/05	Wed 12/21/05	Mon 12/19/05	Wed 12/21/05	Mon 12/19/05	Wed 12/21/05																									
809	DTSC provide PG&E with DOI comment	54 days	Mon 12/19/05	Thu 3/2/06	Mon 12/19/05	Thu 3/2/06	Mon 12/19/05	Thu 3/2/06																									
810	DTSC provide direction to PG&E to revise Work Plan	1 day	Tue 5/15/07	Tue 5/15/07	Tue 5/15/07	Tue 5/15/07	Tue 5/15/07	Tue 5/15/07																									
811	Revise/submit CMS/FS Work Plan (conceptual approach)	34 days	Wed 5/16/07	Fri 6/29/07	Wed 5/16/07	Fri 6/29/07	Wed 5/16/07	Fri 6/29/07																									
812	DTSC send Revised CMS/FS Work Plan to CWG/TWG	3 days	Mon 7/2/07	Wed 7/4/07	Mon 7/2/07	Wed 7/4/07	Mon 7/2/07	Wed 7/4/07																									

Tasks Not Started/In Progress

Tasks Finished

Baseline Schedule

Milestone

Overall Task Duration 

Color Coding:

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

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

Handout 4A - Topock Remediation Project Schedule Update August 15, 2007

ID	Task Name	Forecasted Duration	Baseline Start	Baseline Finish	Forecasted Start	Forecasted Finish	Actual Start	Actual Finish	2006				2007				2008				2009				2010				2011				2
									Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
813	DTSC review and comment	59 edays	Tue 7/3/07	Fri 8/31/07	Tue 7/3/07	Fri 8/31/07	Tue 7/3/07	NA																									
814	DOI review and comment	45 edays	Tue 7/3/07	Fri 8/17/07	Tue 7/3/07	Fri 8/17/07	Tue 7/3/07	NA																									
815	Tribal review and comment	29.38 edays	Tue 7/3/07	Wed 8/1/07	Tue 7/3/07	Wed 8/1/07	Tue 7/3/07	Wed 8/1/07																									
816	CWG review and comment	29.38 edays	Tue 7/3/07	Wed 8/1/07	Tue 7/3/07	Wed 8/1/07	Tue 7/3/07	Wed 8/1/07																									
817	DTSC to forward comments and directive to PG&E	2 wks	Fri 8/31/07	Wed 9/12/07	Fri 8/31/07	Wed 9/12/07	NA	NA																									
818	PG&E respond to comments	20 days	Thu 9/13/07	Wed 10/10/07	Thu 9/13/07	Wed 10/10/07	NA	NA																									
819	DTSC approves Revised CMS/FS Work Plan	5 days	Thu 10/11/07	Wed 10/17/07	Thu 10/11/07	Wed 10/17/07	NA	NA																									
820	DOI approves Revised CMS/FS Work Plan	5 days	Thu 10/11/07	Wed 10/17/07	Thu 10/11/07	Wed 10/17/07	NA	NA																									
821	PG&E issues Revised CMS/FS Work Plan	5 days	Thu 10/18/07	Wed 10/24/07	Thu 10/18/07	Wed 10/24/07	NA	NA																									
822	Risk Evaluation - Scoping and CSM	1115 days	Tue 10/31/06	Fri 1/28/11	Tue 10/31/06	Fri 1/28/11	Tue 10/31/06	NA																									
823	Soil Land Use and Pathway Analysis before Nov. 2007 Group Meeting	265 days	Tue 10/31/06	Fri 10/26/07	Tue 10/31/06	Fri 10/26/07	Tue 10/31/06	NA																									
824	Scoping for Ecological Risk Assessment Work Plan	151 days	Mon 1/22/07	Fri 8/17/07	Mon 1/22/07	Fri 8/17/07	Mon 1/22/07	NA																									
825	Prepare/submit tech memos	141 days	Mon 1/22/07	Fri 8/3/07	Mon 1/22/07	Fri 8/3/07	Mon 1/22/07	Fri 8/3/07																									
826	DTSC Risk Assessment Subgroup/PG&E meet to discuss analysis	151 days	Mon 1/22/07	Fri 8/17/07	Mon 1/22/07	Fri 8/17/07	Mon 1/22/07	NA																									
827	Soil/Groundwater Risk Assessment Workplan	140 days	Mon 10/29/07	Fri 5/9/08	Mon 10/29/07	Fri 5/9/08	NA	NA																									
828	Prepare and submit Soil/Groundwater Risk Assessment Work Plan	4 mons	Mon 10/29/07	Thu 2/21/08	Mon 10/29/07	Thu 2/21/08	NA	NA																									
829	DTSC send Soil/GW Risk Assessment Work Plan to CWG/TWG	3 days	Fri 2/22/08	Tue 2/26/08	Fri 2/22/08	Tue 2/26/08	NA	NA																									
830	DTSC review and comment	1 mon	Wed 2/27/08	Wed 3/26/08	Wed 2/27/08	Wed 3/26/08	NA	NA																									
831	DOI review and comment	1 mon	Wed 2/27/08	Wed 3/26/08	Wed 2/27/08	Wed 3/26/08	NA	NA																									
832	CWG review and comment	30 edays	Tue 2/26/08	Thu 3/27/08	Tue 2/26/08	Thu 3/27/08	NA	NA																									
833	Tribal review and comment	30 edays	Tue 2/26/08	Thu 3/27/08	Tue 2/26/08	Thu 3/27/08	NA	NA																									
834	Finalize Soil/Groundwater Risk Assessment Work Plan	1 mon	Fri 3/28/08	Fri 4/25/08	Fri 3/28/08	Fri 4/25/08	NA	NA																									
835	DTSC review and approval	10 days	Mon 4/28/08	Fri 5/9/08	Mon 4/28/08	Fri 5/9/08	NA	NA																									
836	DOI review and approval	10 days	Mon 4/28/08	Fri 5/9/08	Mon 4/28/08	Fri 5/9/08	NA	NA																									
837	Groundwater Evaluation	172 days	Mon 5/12/08	Tue 1/6/09	Mon 5/12/08	Tue 1/6/09	NA	NA																									
838	Prepare and submit Human Health (HH) and Eco GW risk evaluation	3 mons	Mon 5/12/08	Wed 8/6/08	Mon 5/12/08	Wed 8/6/08	NA	NA																									
839	DTSC send GW Risk Evaluation to CWG/TWG	3 days	Thu 8/7/08	Mon 8/11/08	Thu 8/7/08	Mon 8/11/08	NA	NA																									
840	DTSC review and comment	30 edays	Mon 8/11/08	Wed 9/10/08	Mon 8/11/08	Wed 9/10/08	NA	NA																									
841	DOI review and comment	30 edays	Mon 8/11/08	Wed 9/10/08	Mon 8/11/08	Wed 9/10/08	NA	NA																									
842	CWG/TWG review and comments	30 edays	Mon 8/11/08	Wed 9/10/08	Mon 8/11/08	Wed 9/10/08	NA	NA																									
843	Tribal review and comment	30 edays	Mon 8/11/08	Wed 9/10/08	Mon 8/11/08	Wed 9/10/08	NA	NA																									
844	Address Review Comments and revise GW risk evaluation	1 mon	Thu 9/11/08	Thu 10/9/08	Thu 9/11/08	Thu 10/9/08	NA	NA																									
845	DTSC review and comment	30 edays	Thu 10/9/08	Sat 11/8/08	Thu 10/9/08	Sat 11/8/08	NA	NA																									
846	DOI review and comment	30 edays	Thu 10/9/08	Sat 11/8/08	Thu 10/9/08	Sat 11/8/08	NA	NA																									
847	Tribal review and comment	30 edays	Thu 10/9/08	Sat 11/8/08	Thu 10/9/08	Sat 11/8/08	NA	NA																									
848	Finalize risk evaluation	1 mon	Mon 11/10/08	Mon 12/8/08	Mon 11/10/08	Mon 12/8/08	NA	NA																									
849	DTSC review and approval	1 mon	Tue 12/9/08	Tue 1/6/09	Tue 12/9/08	Tue 1/6/09	NA	NA																									
850	DOI review and approval	1 mon	Tue 12/9/08	Tue 1/6/09	Tue 12/9/08	Tue 1/6/09	NA	NA																									
851	Soil Evaluation	188.95 days	Tue 5/11/10	Fri 1/28/11	Tue 5/11/10	Fri 1/28/11	NA	NA																									
852	Prepare and submit HH and Eco Soil risk evaluation	16 wks	Tue 5/11/10	Tue 8/31/10	Tue 5/11/10	Tue 8/31/10	NA	NA																									
853	DTSC send Soil Risk Evaluation to CWG/TWG	3 days	Tue 8/31/10	Fri 9/3/10	Tue 8/31/10	Fri 9/3/10	NA	NA																									
854	DTSC review and comment	30 edays	Fri 9/3/10	Sun 10/3/10	Fri 9/3/10	Sun 10/3/10	NA	NA																									
855	DOI review and comment	30 edays	Fri 9/3/10	Sun 10/3/10	Fri 9/3/10	Sun 10/3/10	NA	NA																									
856	CWG/TWG review and comment	30 edays	Fri 9/3/10	Sun 10/3/10	Fri 9/3/10	Sun 10/3/10	NA	NA																									
857	Tribes review and comment	30 edays	Fri 9/3/10	Sun 10/3/10	Fri 9/3/10	Sun 10/3/10	NA	NA																									
858	Address Review Comments and revise Soil risk evaluation	1 mon	Mon 10/4/10	Mon 11/1/10	Mon 10/4/10	Mon 11/1/10	NA	NA																									
859	DTSC review and comment	30 edays	Mon 11/1/10	Wed 12/1/10	Mon 11/1/10	Wed 12/1/10	NA	NA																									
860	DOI review and comment	30 edays	Mon 11/1/10	Wed 12/1/10	Mon 11/1/10	Wed 12/1/10	NA	NA																									
861	CWG review and comment	30 edays	Mon 11/1/10	Wed 12/1/10	Mon 11/1/10	Wed 12/1/10	NA	NA																									
862	Tribal review and comment	30 edays	Mon 11/1/10	Wed 12/1/10	Mon 11/1/10	Wed 12/1/10	NA	NA																									
863	Finalize risk evaluation	1 mon	Thu 12/2/10	Thu 12/30/10	Thu 12/2/10	Thu 12/30/10	NA	NA																									
864	DTSC review and approval	1 mon	Fri 12/31/10	Fri 1/28/11	Fri 12/31/10	Fri 1/28/11	NA	NA																									
865	DOI review and approval	1 mon	Fri 12/31/10	Fri 1/28/11	Fri 12/31/10	Fri 1/28/11	NA	NA																									
866	CMS/FS Report	1396 days	Tue 5/30/06	Thu 9/22/11	Tue 5/30/06	Thu 9/22/11	Tue 5/30/06	NA																									

Tasks Not Started/In Progress

Tasks Finished

Baseline Schedule

Milestone

Overall Task Duration



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 4A - Topock Remediation Project Schedule

Update August 15, 2007

ID	Task Name	Forecasted Duration	Baseline Start	Baseline Finish	Forecasted Start	Forecasted Finish	Actual Start	Actual Finish	2006				2007				2008				2009				2010				2011				2
									Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2			
867	Groundwater	905 days	Tue 5/30/06	Wed 11/4/09	Tue 5/30/06	Wed 11/4/09	Tue 5/30/06	NA																									
868	Prepare Groundwater CMS/FS	84 days	Wed 1/7/09	Mon 5/4/09	Wed 1/7/09	Mon 5/4/09	NA	NA																									
869	Define Remedial Objectives and Remedial Alternatives	3 mons	Wed 1/7/09	Fri 4/3/09	Wed 1/7/09	Fri 4/3/09	NA	NA																									
870	Evaluate Remedial Alternatives per CERCLA and RCRA criteria	1 mon	Mon 4/6/09	Mon 5/4/09	Mon 4/6/09	Mon 5/4/09	NA	NA																									
871	PG&E outreach with Tribes	1 mon	Mon 4/6/09	Mon 5/4/09	Mon 4/6/09	Mon 5/4/09	NA	NA																									
872	DTSC send Draft Groundwater CMS/FS to CWG/TWG	3 days	Tue 5/5/09	Thu 5/7/09	Tue 5/5/09	Thu 5/7/09	NA	NA																									
873	DTSC review and comment	30 edays	Thu 5/7/09	Sat 6/6/09	Thu 5/7/09	Sat 6/6/09	NA	NA																									
874	DOI review and comment	30 edays	Thu 5/7/09	Sat 6/6/09	Thu 5/7/09	Sat 6/6/09	NA	NA																									
875	CWG/TWG review and comment	30 edays	Thu 5/7/09	Sat 6/6/09	Thu 5/7/09	Sat 6/6/09	NA	NA																									
876	FMIT provide written comments to DTSC/DOI	30 edays	Thu 5/7/09	Sat 6/6/09	Thu 5/7/09	Sat 6/6/09	NA	NA																									
877	Chemehuevi provide written comments to DTSC/DOI	30 edays	Thu 5/7/09	Sat 6/6/09	Thu 5/7/09	Sat 6/6/09	NA	NA																									
878	CRIT provide written comments to DTSC/DOI	30 edays	Thu 5/7/09	Sat 6/6/09	Thu 5/7/09	Sat 6/6/09	NA	NA																									
879	Haulapai provide written comments to DTSC/DOI	30 edays	Thu 5/7/09	Sat 6/6/09	Thu 5/7/09	Sat 6/6/09	NA	NA																									
880	PG&E respond to comments and revise CMS/FS	1 mon	Mon 6/8/09	Mon 7/6/09	Mon 6/8/09	Mon 7/6/09	NA	NA																									
881	DTSC review and comment	1 mon	Tue 7/7/09	Tue 8/4/09	Tue 7/7/09	Tue 8/4/09	NA	NA																									
882	DOI review and comment	1 mon	Tue 7/7/09	Tue 8/4/09	Tue 7/7/09	Tue 8/4/09	NA	NA																									
883	PG&E finalizes CMS/FS Report	1 mon	Wed 8/5/09	Wed 9/2/09	Wed 8/5/09	Wed 9/2/09	NA	NA																									
884	DTSC approval	1 mon	Thu 9/3/09	Thu 10/1/09	Thu 9/3/09	Thu 10/1/09	NA	NA																									
885	DOI approval	1 mon	Thu 9/3/09	Thu 10/1/09	Thu 9/3/09	Thu 10/1/09	NA	NA																									
886	Groundwater ARARs Identification/Compilation	905 days	Tue 5/30/06	Wed 11/4/09	Tue 5/30/06	Wed 11/4/09	Tue 5/30/06	NA																									
887	Identify Draft Potential ARARs	110 edays	Tue 5/30/06	Sun 9/17/06	Tue 5/30/06	Sun 9/17/06	Tue 5/30/06	Sun 9/17/06																									
888	DOI compile and review initial results	1 mon	Mon 9/18/06	Mon 10/16/06	Mon 9/18/06	Mon 10/16/06	Mon 9/18/06	Mon 10/16/06																									
889	Draft Potential ARARs sent to CWG (chemical/location/action)	234 days	Tue 10/17/06	Fri 8/31/07	Tue 10/17/06	Fri 8/31/07	Tue 10/17/06	NA																									
890	PG&E review and comment	30 edays	Fri 8/31/07	Sun 9/30/07	Fri 8/31/07	Sun 9/30/07	NA	NA																									
891	CWG/TWG review and comment	30 edays	Fri 8/31/07	Sun 9/30/07	Fri 8/31/07	Sun 9/30/07	NA	NA																									
892	DTSC review and comment	30 edays	Fri 8/31/07	Sun 9/30/07	Fri 8/31/07	Sun 9/30/07	NA	NA																									
893	Tribal review and comment	30 edays	Fri 8/31/07	Sun 9/30/07	Fri 8/31/07	Sun 9/30/07	NA	NA																									
894	DOI revise ARARs	3 mons	Mon 10/1/07	Wed 12/26/07	Mon 10/1/07	Wed 12/26/07	NA	NA																									
895	DOI Send Revised ARARs to CWG	11 days	Thu 12/27/07	Thu 1/10/08	Thu 12/27/07	Thu 1/10/08	NA	NA																									
896	PG&E review and comment	30 edays	Thu 1/10/08	Sat 2/9/08	Thu 1/10/08	Sat 2/9/08	NA	NA																									
897	CWG/TWG review and comment	30 edays	Thu 1/10/08	Sat 2/9/08	Thu 1/10/08	Sat 2/9/08	NA	NA																									
898	DTSC review and comment	30 edays	Thu 1/10/08	Sat 2/9/08	Thu 1/10/08	Sat 2/9/08	NA	NA																									
899	Tribal review and comment	30 edays	Thu 1/10/08	Sat 2/9/08	Thu 1/10/08	Sat 2/9/08	NA	NA																									
900	Finalize ARARs	453 days	Mon 2/11/08	Wed 11/4/09	Mon 2/11/08	Wed 11/4/09	NA	NA																									
901	Soil	1396 days	Tue 5/30/06	Thu 9/22/11	Tue 5/30/06	Thu 9/22/11	Tue 5/30/06	NA																									
902	Prepare Soil CMS/FS	84 days	Mon 1/31/11	Thu 5/26/11	Mon 1/31/11	Thu 5/26/11	NA	NA																									
903	Define Remedial Objectives and Remedial Alternatives	3 mons	Mon 1/31/11	Wed 4/27/11	Mon 1/31/11	Wed 4/27/11	NA	NA																									
904	Evaluate Remedial Alternatives per CERCLA and RCRA criteria	1 mon	Thu 4/28/11	Thu 5/26/11	Thu 4/28/11	Thu 5/26/11	NA	NA																									
905	PG&E outreach with Tribes	1 mon	Thu 4/28/11	Thu 5/26/11	Thu 4/28/11	Thu 5/26/11	NA	NA																									
906	DTSC send Draft Soil CMS/FS to CWG/TWG	3 days	Fri 5/27/11	Tue 5/31/11	Fri 5/27/11	Tue 5/31/11	NA	NA																									
907	DTSC review and comment	1 mon	Fri 5/27/11	Fri 6/24/11	Fri 5/27/11	Fri 6/24/11	NA	NA																									
908	DOI review and comment	1 mon	Fri 5/27/11	Fri 6/24/11	Fri 5/27/11	Fri 6/24/11	NA	NA																									
909	CWG/TWG review and comment	30 edays	Thu 5/26/11	Sat 6/25/11	Thu 5/26/11	Sat 6/25/11	NA	NA																									
910	FMIT provide written comments to DTSC/DOI	1 mon	Fri 5/27/11	Fri 6/24/11	Fri 5/27/11	Fri 6/24/11	NA	NA																									
911	Chemehuevi provide written comments to DTSC/DOI	30 edays	Wed 4/27/11	Fri 5/27/11	Wed 4/27/11	Fri 5/27/11	NA	NA																									
912	CRIT provide written comments to DTSC/DOI	30 edays	Wed 4/27/11	Fri 5/27/11	Wed 4/27/11	Fri 5/27/11	NA	NA																									
913	Haulapai provide written comments to DTSC/DOI	30 edays	Wed 4/27/11	Fri 5/27/11	Wed 4/27/11	Fri 5/27/11	NA	NA																									
914	PG&E respond to comments and revise CMS/FS Report	1 mon	Mon 5/30/11	Mon 6/27/11	Mon 5/30/11	Mon 6/27/11	NA	NA																									
915	DTSC review and comment	1 mon	Tue 6/28/11	Tue 7/26/11	Tue 6/28/11	Tue 7/26/11	NA	NA																									
916	DOI review and comment	1 mon	Tue 6/28/11	Tue 7/26/11	Tue 6/28/11	Tue 7/26/11	NA	NA																									
917	PG&E finalizes CMS/FS Report	1 mon	Wed 7/27/11	Wed 8/24/11	Wed 7/27/11	Wed 8/24/11	NA	NA																									
918	DTSC approval	1 mon	Thu 8/25/11	Thu 9/22/11	Thu 8/25/11	Thu 9/22/11	NA	NA																									
919	DOI approval	1 mon	Thu 8/25/11	Thu 9/22/11	Thu 8/25/11	Thu 9/22/11	NA	NA																									
920	Soil ARARs Identification/Compilation	1396 days	Tue 5/30/06	Thu 9/22/11	Tue 5/30/06	Thu 9/22/11	Tue 5/30/06	NA																									

Handout 4A - Topock Remediation Project Schedule Update August 15, 2007

ID	Task Name	Forecasted Duration	Baseline Start	Baseline Finish	Forecasted Start	Forecasted Finish	Actual Start	Actual Finish	2006				2007				2008				2009				2010				2011				2
									Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2			
921	Identify Draft Potential ARARs	110 edays	Tue 5/30/06	Sun 9/17/06	Tue 5/30/06	Sun 9/17/06	Tue 5/30/06	Sun 9/17/06																									
922	DOI compile and review initial results	1 mon	Mon 9/18/06	Mon 10/16/06	Mon 9/18/06	Mon 10/16/06	Mon 9/18/06	Mon 10/16/06																									
923	Draft Potential ARARs sent to CWG (chemical/location/action)	540 days	Tue 10/17/06	Fri 10/31/08	Tue 10/17/06	Fri 10/31/08	Tue 10/17/06	NA																									
924	PG&E review and comment	30 edays	Fri 10/31/08	Sun 11/30/08	Fri 10/31/08	Sun 11/30/08	NA	NA																									
925	CWG/TWG review and comment	30 edays	Fri 10/31/08	Sun 11/30/08	Fri 10/31/08	Sun 11/30/08	NA	NA																									
926	DTSC review and comment	30 edays	Fri 10/31/08	Sun 11/30/08	Fri 10/31/08	Sun 11/30/08	NA	NA																									
927	Tribal review and comment	30 edays	Fri 10/31/08	Sun 11/30/08	Fri 10/31/08	Sun 11/30/08	NA	NA																									
928	DOI revise ARARs	3 mons	Mon 12/1/08	Wed 2/25/09	Mon 12/1/08	Wed 2/25/09	NA	NA																									
929	DOI Send Revised ARARs to CWG	11 days	Thu 2/26/09	Thu 3/12/09	Thu 2/26/09	Thu 3/12/09	NA	NA																									
930	PG&E review and comment	30 edays	Thu 3/12/09	Sat 4/11/09	Thu 3/12/09	Sat 4/11/09	NA	NA																									
931	CWG/TWG review and comment	30 edays	Thu 3/12/09	Sat 4/11/09	Thu 3/12/09	Sat 4/11/09	NA	NA																									
932	DTSC review and comment	30 edays	Thu 3/12/09	Sat 4/11/09	Thu 3/12/09	Sat 4/11/09	NA	NA																									
933	Tribal review and comment	30 edays	Thu 3/12/09	Sat 4/11/09	Thu 3/12/09	Sat 4/11/09	NA	NA																									
934	Finalize ARARs	605 days	Fri 5/29/09	Thu 9/22/11	Fri 5/29/09	Thu 9/22/11	NA	NA																									
935	BIOLOGICAL ASSESSMENT REPORT (Final Remedy)	663 days	Thu 5/7/09	Tue 11/22/11	Thu 5/7/09	Tue 11/22/11	NA	NA																									
936	Groundwater	175 edays	Thu 5/7/09	Thu 10/29/09	Thu 5/7/09	Thu 10/29/09	NA	NA																									
937	Soil	175 edays	Tue 5/31/11	Tue 11/22/11	Tue 5/31/11	Tue 11/22/11	NA	NA																									
938	STATEMENT OF BASIS	603 days	Fri 10/16/09	Tue 2/7/12	Fri 10/16/09	Tue 2/7/12	NA	NA																									
939	Groundwater	86 days	Fri 10/16/09	Sun 2/14/10	Fri 10/16/09	Sun 2/14/10	NA	NA																									
940	Prepare fact sheet for proposed remedy	1 mon	Mon 12/7/09	Mon 1/4/10	Mon 12/7/09	Mon 1/4/10	NA	NA																									
941	Prepare public notice package/Statement of Basis	1 mon	Fri 10/16/09	Fri 11/13/09	Fri 10/16/09	Fri 11/13/09	NA	NA																									
942	Public Notice/Comment Period	45 edays	Tue 12/1/09	Fri 1/15/10	Tue 12/1/09	Fri 1/15/10	NA	NA																									
943	Public Hearing	30 edays	Tue 12/1/09	Thu 12/31/09	Tue 12/1/09	Thu 12/31/09	NA	NA																									
944	Response to public comments	30 edays	Fri 1/15/10	Sun 2/14/10	Fri 1/15/10	Sun 2/14/10	NA	NA																									
945	DTSC approves final remedy	0 days	Sun 2/14/10	Sun 2/14/10	Sun 2/14/10	Sun 2/14/10	NA	NA																									
946	Soil	88 days	Fri 10/7/11	Tue 2/7/12	Fri 10/7/11	Tue 2/7/12	NA	NA																									
947	Prepare fact sheet for proposed remedy	1 mon	Fri 10/7/11	Fri 11/4/11	Fri 10/7/11	Fri 11/4/11	NA	NA																									
948	Prepare public notice package/Statement of Basis	25 days	Fri 10/7/11	Thu 11/10/11	Fri 10/7/11	Thu 11/10/11	NA	NA																									
949	Public Notice/Comment Period	45 edays	Thu 11/24/11	Sun 1/8/12	Thu 11/24/11	Sun 1/8/12	NA	NA																									
950	Public Hearing	30 edays	Thu 11/24/11	Sat 12/24/11	Thu 11/24/11	Sat 12/24/11	NA	NA																									
951	Response to public comments	30 edays	Sun 1/8/12	Tue 2/7/12	Sun 1/8/12	Tue 2/7/12	NA	NA																									
952	DTSC approves final remedy	0 days	Tue 2/7/12	Tue 2/7/12	Tue 2/7/12	Tue 2/7/12	NA	NA																									
953	RECORD OF DECISION	656 days	Thu 10/1/09	Sat 4/7/12	Thu 10/1/09	Sat 4/7/12	NA	NA																									
954	Groundwater	140 days	Thu 10/1/09	Thu 4/15/10	Thu 10/1/09	Thu 4/15/10	NA	NA																									
955	Develop Proposed Plan	61 edays	Thu 10/1/09	Tue 12/1/09	Thu 10/1/09	Tue 12/1/09	NA	NA																									
956	Public Review and Comment	45 edays	Tue 12/1/09	Fri 1/15/10	Tue 12/1/09	Fri 1/15/10	NA	NA																									
957	Tribes Review and Comment	45 edays	Tue 12/1/09	Fri 1/15/10	Tue 12/1/09	Fri 1/15/10	NA	NA																									
958	CWG Review and Comment	45 edays	Tue 12/1/09	Fri 1/15/10	Tue 12/1/09	Fri 1/15/10	NA	NA																									
959	PG&E Review and Comment	45 edays	Tue 12/1/09	Fri 1/15/10	Tue 12/1/09	Fri 1/15/10	NA	NA																									
960	Prepare ROD	30 edays	Fri 1/15/10	Sun 2/14/10	Fri 1/15/10	Sun 2/14/10	NA	NA																									
961	DOI Approval Process	60 edays	Sun 2/14/10	Thu 4/15/10	Sun 2/14/10	Thu 4/15/10	NA	NA																									
962	Issue Groundwater ROD	0 days	Thu 4/15/10	Thu 4/15/10	Thu 4/15/10	Thu 4/15/10	NA	NA																									
963	Soil	141 days	Thu 9/22/11	Sat 4/7/12	Thu 9/22/11	Sat 4/7/12	NA	NA																									
964	Develop Proposed Plan	63 edays	Thu 9/22/11	Thu 11/24/11	Thu 9/22/11	Thu 11/24/11	NA	NA																									
965	Public Review and Comment	45 edays	Thu 11/24/11	Sun 1/8/12	Thu 11/24/11	Sun 1/8/12	NA	NA																									
966	Tribes Review and Comment	45 edays	Thu 11/24/11	Sun 1/8/12	Thu 11/24/11	Sun 1/8/12	NA	NA																									
967	CWG Review and Comment	45 edays	Thu 11/24/11	Sun 1/8/12	Thu 11/24/11	Sun 1/8/12	NA	NA																									
968	PG&E Review and Comment	45 edays	Thu 11/24/11	Sun 1/8/12	Thu 11/24/11	Sun 1/8/12	NA	NA																									
969	Prepare ROD	30 edays	Sun 1/8/12	Tue 2/7/12	Sun 1/8/12	Tue 2/7/12	NA	NA																									
970	DOI Approval Process	60 edays	Tue 2/7/12	Sat 4/7/12	Tue 2/7/12	Sat 4/7/12	NA	NA																									
971	Issue Soil ROD	0 days	Sat 4/7/12	Sat 4/7/12	Sat 4/7/12	Sat 4/7/12	NA	NA																									
972	EIR DOCUMENTATION	1637 days	Thu 9/1/05	Thu 11/24/11	Thu 9/1/05	Thu 11/24/11	Thu 9/1/05	NA																									
973	Scoping of EIR needs	45 days	Thu 9/1/05	Tue 11/1/05	Thu 9/1/05	Tue 11/1/05	Thu 9/1/05	Tue 11/1/05																									
974	DTSC/PG&E, MOU signed for EIR	40 days	Wed 11/2/05	Tue 12/27/05	Wed 11/2/05	Tue 12/27/05	Wed 11/2/05	Tue 12/27/05																									

Handout 4A - Topock Remediation Project Schedule

Update August 15, 2007

ID	Task Name	Forecasted Duration	Baseline Start	Baseline Finish	Forecasted Start	Forecasted Finish	Actual Start	Actual Finish	2006				2007				2008				2009				2010				2011				2
									Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
975	EIR Contractor Interviews and Contract Negotiations	47 days	Thu 7/27/06	Fri 9/29/06	Thu 7/27/06	Fri 9/29/06	Thu 7/27/06	Fri 9/29/06																									
976	Project Initiation	1 day	Tue 1/2/07	Tue 1/2/07	Tue 1/2/07	Tue 1/2/07	Tue 1/2/07	Tue 1/2/07																									
977	Project and Remedy Alternatives Description and Technical Work Plan	230.7 days	Thu 6/28/07	Wed 5/14/08	Thu 6/28/07	Wed 5/14/08	Thu 6/28/07	NA																									
978	DTSC and EDAW to conduct outreach meetings to discuss EIR process	90 days	Thu 6/28/07	Tue 10/30/07	Thu 6/28/07	Tue 10/30/07	Thu 6/28/07	NA																									
979	EDAW defines elements and text of the project description, project objectives, various remedy alternatives, project components and	90 days	Thu 6/28/07	Tue 11/20/07	Thu 6/28/07	Tue 11/20/07	Thu 6/28/07	NA																									
980	DTSC reviews elements, project description et.al, and provides comments back to EDAW.	30 days	Tue 11/20/07	Tue 1/1/08	Tue 11/20/07	Tue 1/1/08	NA	NA																									
981	EDAW submits request for Work Authorization for preparation of NOP and	5 days	Tue 11/20/07	Tue 11/27/07	Tue 11/20/07	Tue 11/27/07	NA	NA																									
982	PG&E issues Work Authorization for preparation of NOP and participation i	15 days	Tue 11/27/07	Tue 12/18/07	Tue 11/27/07	Tue 12/18/07	NA	NA																									
983	EDAW prepares draft Environmental Impact Report (EIR) outline for review	12.5 days	Tue 12/18/07	Thu 1/3/08	Tue 12/18/07	Thu 1/3/08	NA	NA																									
984	DTSC reviews EIR outline and provides comment back to EDAW.	30 days	Thu 1/3/08	Thu 2/14/08	Thu 1/3/08	Thu 2/14/08	NA	NA																									
985	EDAW prepares the draft technical work plan.	11.5 days	Thu 2/14/08	Mon 3/3/08	Thu 2/14/08	Mon 3/3/08	NA	NA																									
986	DTSC reviews technical work plan and provides comment back to EDAW for final document.	30 days	Mon 3/3/08	Mon 4/14/08	Mon 3/3/08	Mon 4/14/08	NA	NA																									
987	EDAW submits request for Work Authorization for final technical work plan	5 days	Mon 4/14/08	Mon 4/21/08	Mon 4/14/08	Mon 4/21/08	NA	NA																									
988	PG&E issues Work Authorization for final technical work plan and Draft EIF	15 days	Mon 4/21/08	Mon 5/12/08	Mon 4/21/08	Mon 5/12/08	NA	NA																									
989	EDAW prepares final technical work plan.	2.5 days	Mon 5/12/08	Wed 5/14/08	Mon 5/12/08	Wed 5/14/08	NA	NA																									
990	NOP and scoping	236.5 days	Wed 8/1/07	Wed 6/25/08	Wed 8/1/07	Wed 6/25/08	NA	NA																									
991	EDAW prepare draft project information fact sheet	15 days	Tue 12/18/07	Tue 1/8/08	Tue 12/18/07	Tue 1/8/08	NA	NA																									
992	DTSC reviews and provides comments on fact sheet	25 days	Tue 1/8/08	Tue 2/12/08	Tue 1/8/08	Tue 2/12/08	NA	NA																									
993	EDAW prepare draft Notice of Preparation (NOP) and revised project infor	5 days	Tue 2/12/08	Tue 2/19/08	Tue 2/12/08	Tue 2/19/08	NA	NA																									
994	DTSC reviews and provides comments on NOP and revised fact sheet	10 days	Tue 2/19/08	Tue 3/4/08	Tue 2/19/08	Tue 3/4/08	NA	NA																									
995	EDAW incorporates comments for final NOP and fact sheet	10 days	Tue 3/4/08	Tue 3/18/08	Tue 3/4/08	Tue 3/18/08	NA	NA																									
996	DTSC distributes NOP to State Clearinghouse, tribes, other agencies and individuals; NOP circulates for 30 days	30 days	Tue 3/18/08	Tue 4/29/08	Tue 3/18/08	Tue 4/29/08	NA	NA																									
997	EDAW compiles and reviews comments from NOP	25 days	Tue 4/29/08	Tue 6/3/08	Tue 4/29/08	Tue 6/3/08	NA	NA																									
998	Scoping meetings are conducted with tribal representatives	60 days	Wed 8/1/07	Mon 10/22/07	Wed 8/1/07	Mon 10/22/07	NA	NA																									
999	Scoping meetings are conducted with federal, state, and local entities	60 days	Wed 8/1/07	Mon 10/22/07	Wed 8/1/07	Mon 10/22/07	NA	NA																									
1000	EDAW compiles and addresses verbal and written comments received from scoping meetings and distribution of NOP and provides to DTSC for review	17.5 days	Tue 2/5/08	Thu 2/28/08	Tue 2/5/08	Thu 2/28/08	NA	NA																									
1001	Additional studies are conducted, if needed	66.5 days	Tue 3/25/08	Wed 6/25/08	Tue 3/25/08	Wed 6/25/08	NA	NA																									
1002	Program EIR	267.3 days	Mon 5/12/08	Wed 5/20/09	Mon 5/12/08	Wed 5/20/09	NA	NA																									
1003	Draft EIR preparation	150 days	Mon 5/12/08	Mon 12/8/08	Mon 5/12/08	Mon 12/8/08	NA	NA																									
1004	EDAW prepares first administrative draft EIR.	80 days	Mon 5/12/08	Mon 9/1/08	Mon 5/12/08	Mon 9/1/08	NA	NA																									
1005	DTSC reviews first administrative draft EIR and NOC and provides cor	30 days	Mon 9/1/08	Mon 10/13/08	Mon 9/1/08	Mon 10/13/08	NA	NA																									
1006	EDAW addresses and incorporates comments into second draft.	10 days	Mon 10/13/08	Mon 10/27/08	Mon 10/13/08	Mon 10/27/08	NA	NA																									
1007	DTSC reviews second administrative draft EIR and NOC and provides comments to EDAW.	30 days	Mon 10/27/08	Mon 12/8/08	Mon 10/27/08	Mon 12/8/08	NA	NA																									
1008	EDAW prepares public notices, fact sheets and Notice of Availability fo	10 days	Mon 9/1/08	Mon 9/15/08	Mon 9/1/08	Mon 9/15/08	NA	NA																									
1009	EDAW provides screencheck draft EIR and NOC to DTSC.	7.5 days	Mon 9/15/08	Wed 9/24/08	Mon 9/15/08	Wed 9/24/08	NA	NA																									
1010	DTSC provides comments to EDAW.	15 days	Wed 9/24/08	Wed 10/15/08	Wed 9/24/08	Wed 10/15/08	NA	NA																									
1011	EDAW incorporates comments into draft EIR and NOC.	5 days	Wed 10/15/08	Wed 10/22/08	Wed 10/15/08	Wed 10/22/08	NA	NA																									
1012	Draft EIR public review process	57.3 days	Wed 10/22/08	Fri 1/9/09	Wed 10/22/08	Fri 1/9/09	NA	NA																									
1013	DTSC files draft EIR and NOC with SCH. Notice of Availability is circulated/published. Draft EIR circulates for 45 calendar days.	45 edays	Wed 10/22/08	Sat 12/6/08	Wed 10/22/08	Sat 12/6/08	NA	NA																									
1014	DTSC and EDAW conduct public hearing with public, tribes, and agen	1 day	Fri 10/31/08	Mon 11/3/08	Fri 10/31/08	Mon 11/3/08	NA	NA																									
1015	PG&E review and comment	30 edays	Wed 10/22/08	Fri 11/21/08	Wed 10/22/08	Fri 11/21/08	NA	NA																									
1016	CWG review and comment	30 edays	Wed 10/22/08	Fri 11/21/08	Wed 10/22/08	Fri 11/21/08	NA	NA																									
1017	Tribal review and comment	30 edays	Wed 10/22/08	Fri 11/21/08	Wed 10/22/08	Fri 11/21/08	NA	NA																									
1018	Draft EIR public comment period closes.	1 day	Fri 12/5/08	Fri 12/5/08	Fri 12/5/08	Fri 12/5/08	NA	NA																									
1019	EDAW assimilates comments and prepares responses for inclusion in	25 days	Mon 12/8/08	Fri 1/9/09	Mon 12/8/08	Fri 1/9/09	NA	NA																									

Project: Expanded Groundwater Extraction and Treatment
Date: Fri 8/10/07

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
*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 4A - Topock Remediation Project Schedule
Update August 15, 2007

ID	Task Name	Forecasted Duration	Baseline Start	Baseline Finish	Forecasted Start	Forecasted Finish	Actual Start	Actual Finish	2006				2007				2008				2009				2010				2011				2	
									Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
1025	EDAW prepares screencheck final EIR.	7.5 days	Wed 3/18/09	Fri 3/27/09	Wed 3/18/09	Fri 3/27/09	NA	NA																										
1026	DTSC reviews screencheck final EIR and provides comments to EDAI	15 days	Fri 3/27/09	Fri 4/17/09	Fri 3/27/09	Fri 4/17/09	NA	NA																										
1027	EDAW prepares draft Mitigation Monitoring Plan (MMP) for review by I	7.5 days	Fri 3/27/09	Tue 4/7/09	Fri 3/27/09	Tue 4/7/09	NA	NA																										
1028	DTSC distributes final EIR to public/commenting agencies/tribal repres	1 day	Fri 4/17/09	Mon 4/20/09	Fri 4/17/09	Mon 4/20/09	NA	NA																										
1029	Final EIR hearing conducted by DTSC; EIR certified.	0 days	Mon 4/20/09	Mon 4/20/09	Mon 4/20/09	Mon 4/20/09	NA	NA																										
1030	Notice of Determination filing	22 days	Mon 4/20/09	Wed 5/20/09	Mon 4/20/09	Wed 5/20/09	NA	NA																										
1031	Notice of Determination (NOD) is filed with County Clerk; NOD posts for 30 calendar days.	30 edays	Mon 4/20/09	Wed 5/20/09	Mon 4/20/09	Wed 5/20/09	NA	NA																										
1032	EIR Addendum - Soil	127 days	Wed 6/1/11	Thu 11/24/11	Wed 6/1/11	Thu 11/24/11	NA	NA																										
1033	Prepare Addendum	2 mons	Wed 6/1/11	Thu 7/28/11	Wed 6/1/11	Thu 7/28/11	NA	NA																										
1034	Review/Comment/Approve	3 mons	Fri 7/29/11	Tue 10/25/11	Fri 7/29/11	Tue 10/25/11	NA	NA																										
1035	Notice of Determination filing	22 days	Tue 10/25/11	Thu 11/24/11	Tue 10/25/11	Thu 11/24/11	NA	NA																										
1036	Notice of Determination (NOD) is filed with County Clerk; NOD posts for 30 calendar days.	30 edays	Tue 10/25/11	Thu 11/24/11	Tue 10/25/11	Thu 11/24/11	NA	NA																										
1037	DESIGN AND PERMITTING	420 days	Thu 4/15/10	Mon 1/23/12	Thu 4/15/10	Thu 11/24/11	NA	NA																										
1038	Groundwater	420 days	Thu 4/15/10	Mon 1/23/12	Thu 4/15/10	Thu 11/24/11	NA	NA																										
1039	Start Design and Permitting	0 days	Thu 4/15/10	Thu 4/15/10	Thu 4/15/10	Thu 4/15/10	NA	NA																										
1040	CMI Workplan/Design	4 mons	Fri 4/16/10	Wed 8/11/10	Fri 4/16/10	Wed 8/11/10	NA	NA																										
1041	DTSC Review and Approval	2 mons	Thu 8/12/10	Fri 10/8/10	Thu 8/12/10	Fri 10/8/10	NA	NA																										
1042	WDRs	4 mons	Mon 10/11/10	Thu 2/3/11	Mon 10/11/10	Thu 2/3/11	NA	NA																										
1043	CUPA	4 mons	Mon 10/11/10	Thu 2/3/11	Mon 10/11/10	Thu 2/3/11	NA	NA																										
1044	USFWS Section 7 Consultation	4 mons	Mon 10/11/10	Thu 2/3/11	Mon 10/11/10	Thu 2/3/11	NA	NA																										
1045	Other Permits	4 mons	Mon 10/11/10	Thu 2/3/11	Mon 10/11/10	Thu 2/3/11	NA	NA																										
1046	Prepare Mitigation Monitoring Program	2 mons	Mon 10/11/10	Tue 12/7/10	Mon 10/11/10	Tue 12/7/10	NA	NA																										
1047	Implementation/Construction/O&M Work Plans	3 mons	Mon 10/11/10	Wed 1/5/11	Mon 10/11/10	Wed 1/5/11	NA	NA																										
1048	DTSC Review and Approval	2 mons	Thu 1/6/11	Fri 3/4/11	Thu 1/6/11	Fri 3/4/11	NA	NA																										
1049	Procurement / Construction	9 mons	Mon 3/7/11	Thu 11/24/11	Mon 3/7/11	Thu 11/24/11	NA	NA																										
1050	Corrective Measure Construction Complete	0 days	Thu 11/24/11	Thu 11/24/11	Thu 11/24/11	Thu 11/24/11	NA	NA																										
1051	Start Operation of Final Remedy	0 days	Thu 11/24/11	Thu 11/24/11	Thu 11/24/11	Thu 11/24/11	NA	NA																										