






Handout 4A - Topock Remediation Detailed Project Schedule October 5, 2010 (Revision 10)

| ID | Task Name | Duration | Forecasted Start | Forecasted Finish | Actual Start | Actual Finish | 2010 | | | | | | | | | | | | 2011 | | | | | | | | | | | | 2012 | | | | | | | | | | | |
|-----|---|--------------|------------------|-------------------|--------------|---------------|-------|---|---|-------|---|---|-------|---|---|-------|---|---|-------|---|---|-------|---|---|-------|---|---|-------|---|---|-------|---|---|-------|---|---|-------|---|---|-------|---|---|
| | | | | | | | Qtr 1 | | | Qtr 2 | | | Qtr 3 | | | Qtr 4 | | | Qtr 1 | | | Qtr 2 | | | Qtr 3 | | | Qtr 4 | | | Qtr 1 | | | Qtr 2 | | | Qtr 3 | | | Qtr 4 | | |
| | | | | | | | J | F | M | A | M | J | J | A | S | O | N | D | J | F | M | A | M | J | J | A | S | O | N | D | J | F | M | A | M | J | J | A | S | O | N | D |
| 1 | IM Installation (Note that IM3 is currently in operation and will remain in operation until directed otherwise by agencies) | 512 days | Thu 1/22/04 | Tue 12/20/05 | Thu 1/22/04 | Tue 12/20/05 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32 | IM3 Cultural Resources Management Plan (IM3 CRMP) | 986 days | Thu 7/1/04 | Mon 3/10/08 | Thu 7/1/04 | Mon 3/10/08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 37 | Extraction Well PE-1/Facilities | 230 days | Mon 3/21/05 | Fri 1/27/06 | Mon 3/21/05 | Fri 1/27/06 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 47 | Supplemental Extraction Well and Facilities | 127 days | Fri 7/29/05 | Thu 1/19/06 | Fri 7/29/05 | Thu 1/19/06 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55 | Decommissioning of IM2 Batch Treatment | 1182 days | Fri 8/5/05 | Fri 1/29/10 | Fri 8/5/05 | Fri 1/29/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 66 | Interim Measures and Treated Water Management | 751 days | Mon 5/3/04 | Fri 2/16/07 | Mon 5/3/04 | Fri 2/16/07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 210 | Public Participation Plan | 578 days | Mon 12/20/04 | Fri 2/9/07 | Mon 12/20/04 | Fri 2/9/07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 219 | Baseline Resources Assessments | 897 days | Mon 11/1/04 | Mon 3/10/08 | Mon 11/1/04 | Mon 3/10/08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 233 | Sitewide CEQA Documentation | 586 days | Wed 5/17/06 | Fri 8/1/08 | Wed 5/17/06 | Fri 8/1/08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 237 | Programmatic Biological Assessment (PBA) | 35 days | Tue 12/19/06 | Wed 1/31/07 | Tue 12/19/06 | Wed 1/31/07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 243 | REMEDIAL FACILITY INVESTIGATION/REMEDIAL INVESTIGATION (RFI/RI) | 4503.55 days | Sat 2/24/96 | Tue 4/23/13 | Sat 2/24/96 | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 244 | 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 262 | Prepare Site History Report (Vol 1) | 466 days | Tue 11/15/05 | Wed 8/15/07 | Tue 11/15/05 | Wed 8/15/07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 277 | Prepare RFI/RI Vol 1 Addendum | 1190 days | Wed 7/11/07 | Wed 1/25/12 | Wed 7/11/07 | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 301 | Prepare Final Groundwater RFI/RI (Vol 2) | 1779 days | Mon 6/27/05 | Tue 3/27/12 | Mon 6/27/05 | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 302 | Response to comments on Feb. 2005 RFI/RI Report | 258 days | Tue 10/3/06 | Wed 9/19/07 | Tue 10/3/06 | Wed 9/19/07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 309 | Floodplain Data Gap Investigation | 93 days | Fri 1/6/06 | Fri 5/12/06 | Fri 1/6/06 | Fri 5/12/06 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 312 | Pore Water and Seepage Study | 151 days | Mon 6/27/05 | Tue 1/17/06 | Mon 6/27/05 | Tue 1/17/06 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 325 | Additional Plume Characterization Investigation | 1442 days | Fri 9/29/06 | Tue 3/27/12 | Fri 9/29/06 | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 326 | CA Slant Drilling | 305 days | Fri 9/29/06 | Wed 11/21/07 | Fri 9/29/06 | Wed 11/21/07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 374 | AZ Groundwater Investigation | 657 days | Fri 12/1/06 | Fri 5/29/09 | Fri 12/1/06 | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 444 | Additional Bedrock Investigation | 1427 days | Fri 10/20/06 | Tue 3/27/12 | Fri 10/20/06 | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 445 | PGE-7/PGE-8 Hydraulic Test and PGE-6 Decommissioning | 393 days | Fri 10/20/06 | Mon 4/14/08 | Fri 10/20/06 | Mon 4/14/08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 508 | East Ravine Groundwater Investigation | 516 days | Mon 10/29/07 | Mon 10/19/09 | Mon 10/29/07 | Mon 10/19/09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 546 | East Ravine Groundwater Investigation Phase 2/TCS wells | 239 days | Thu 2/25/10 | Thu 1/20/11 | Thu 2/25/10 | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 547 | DOI issued letter directing PG&E to initiate planning for ERGI Phase 2/TCS wells | 1 day | Thu 2/25/10 | Thu 2/25/10 | Thu 2/25/10 | Thu 2/25/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 548 | DTSC present and discuss the process for ERGI 2/TCS Wells to TWG | 1 day | Tue 3/16/10 | Tue 3/16/10 | Tue 3/16/10 | Tue 3/16/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 549 | Second TWG meeting to discuss ERGI 2/TCS Wells | 0 days | Thu 4/15/10 | Thu 4/15/10 | Thu 4/15/10 | Thu 4/15/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 550 | DTSC provide direction on well locations (given TWG inputs) | 0 days | Wed 7/28/10 | Wed 7/28/10 | Wed 7/28/10 | Wed 7/28/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 551 | DOI provide direction on well locations (given TWG inputs) | 0 days | Wed 7/28/10 | Wed 7/28/10 | Wed 7/28/10 | Wed 7/28/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 552 | Prepare Draft Work Plan Addendum | 30.38 edays | Wed 7/28/10 | Fri 8/27/10 | Wed 7/28/10 | Fri 8/27/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 553 | DTSC send Draft Workplan Addendum to CWG/TWG | 11 days | Mon 8/30/10 | Mon 9/13/10 | Mon 8/30/10 | Mon 9/13/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 554 | CWG/TWG review and comment | 30 edays | Tue 9/14/10 | Thu 10/14/10 | Tue 9/14/10 | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 555 | DTSC review and comment | 30 edays | Tue 9/14/10 | Thu 10/14/10 | Tue 9/14/10 | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 556 | DOI review and comment | 14.38 edays | Tue 9/14/10 | Tue 9/28/10 | Tue 9/14/10 | Tue 9/28/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 557 | Section 106 Consultation | 55 days | Thu 9/23/10 | Wed 12/8/10 | Thu 9/23/10 | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 558 | Tribal Consultation | 30 edays | Thu 9/23/10 | Sat 10/23/10 | Thu 9/23/10 | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 559 | BLM sends consultation package to SHPO | 7 days | Mon 10/25/10 | Tue 11/2/10 | NA | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 560 | SHPO Review | 30 edays | Tue 11/2/10 | Thu 12/2/10 | NA | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 561 | BLM to forward SHPO comments | 3 days | Fri 12/3/10 | Tue 12/7/10 | NA | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 562 | DOI provides comments on Draft Work Plan | 1 day | Wed 12/8/10 | Wed 12/8/10 | NA | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 563 | Prepare Final Work Plan Addendum (duration to be verified after receipt of comments) | 1 mon | Thu 12/9/10 | Thu 1/6/11 | NA | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 564 | DTSC review/approve Final WP Addendum | 2 wks | Fri 1/7/11 | Thu 1/20/11 | NA | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 565 | DOI review/approve Final WP Addendum | 2 wks | Fri 1/7/11 | Thu 1/20/11 | NA | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 566 | Field Implementation | 236 days | Fri 3/4/11 | Fri 1/27/12 | NA | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|--|-------------|--|---|---|
| Project: PG&E Topock Remediation Project | Page 1 of 7 | Tasks Not Started/In Progress  | Baseline Schedule  | Overall Task Duration  |
| Date: Fri 10/1/10 | | Tasks Finished  | Milestone  | |

edays = calendar days; days = work days
 Baseline Schedule is the 8/15/07 CWG Schedule (rev 1, 12/12/07).
 *Timeframes shown are for planning purpose. Actual timeframes may vary.

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

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

Handout 4A - Topock Remediation Detailed Project Schedule October 5, 2010 (Revision 10)

| ID | Task Name | Duration | Forecasted Start | Forecasted Finish | Actual Start | Actual Finish | 2010 | | | | | | | | | | | | 2011 | | | | | | | | | | | | 2012 | | | | | | | | | | | |
|------|---|--------------------|---------------------|---------------------|---------------------|---------------|-------|---|---|-------|---|---|-------|---|---|-------|---|---|-------|---|---|-------|---|---|-------|---|---|-------|---|---|-------|---|---|-------|---|---|-------|---|---|-------|---|---|
| | | | | | | | Qtr 1 | | | Qtr 2 | | | Qtr 3 | | | Qtr 4 | | | Qtr 1 | | | Qtr 2 | | | Qtr 3 | | | Qtr 4 | | | Qtr 1 | | | Qtr 2 | | | Qtr 3 | | | Qtr 4 | | |
| | | | | | | | J | F | M | A | M | J | J | A | S | O | N | D | J | F | M | A | M | J | J | A | S | O | N | D | J | F | M | A | M | J | J | A | S | O | N | D |
| 1233 | Prepare public notice package/Statement of Basis | 5.29 mons | Mon 1/4/10 | Fri 6/4/10 | Mon 1/4/10 | Fri 6/4/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1234 | Public Notice/Comment Period | 45.38 edays | Fri 6/4/10 | Mon 7/19/10 | Fri 6/4/10 | Mon 7/19/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1235 | Public Hearing | 15.38 edays | Mon 6/21/10 | Tue 7/6/10 | Mon 6/21/10 | Tue 7/6/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1236 | Prepare Responsive Summary for Final Remedy | 30.38 edays | Mon 7/19/10 | Wed 8/18/10 | Mon 7/19/10 | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1237 | DTSC adopts Final Remedy | 0 days | Mon 11/8/10 | Mon 11/8/10 | NA | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1238 | Soil | 100.6 days | Mon 6/9/14 | Mon 10/27/14 | NA | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1245 | RECORD OF DECISION | 1357 days | Fri 12/18/09 | Wed 2/25/15 | Fri 12/18/09 | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1246 | Groundwater | 250 days | Fri 12/18/09 | Tue 11/30/10 | Fri 12/18/09 | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1247 | Develop Proposed Plan | 83.38 edays | Fri 12/18/09 | Thu 3/11/10 | Fri 12/18/09 | Thu 3/11/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1248 | Prepare factsheet | 168.38 edays | Fri 12/18/09 | Fri 6/4/10 | Fri 12/18/09 | Fri 6/4/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1249 | Tribal Consultation | 129.38 edays | Fri 3/12/10 | Mon 7/19/10 | Fri 3/12/10 | Mon 7/19/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1250 | Public Review and Comment | 45 edays | Fri 6/4/10 | Mon 7/19/10 | Fri 6/4/10 | Mon 7/19/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1251 | CWG Review and Comment | 45 edays | Fri 6/4/10 | Mon 7/19/10 | Fri 6/4/10 | Mon 7/19/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1252 | PG&E Review and Comment | 45 edays | Fri 6/4/10 | Mon 7/19/10 | Fri 6/4/10 | Mon 7/19/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1253 | Response to Comments | 30 edays | Mon 7/19/10 | Wed 8/18/10 | Mon 7/19/10 | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1254 | Prepare ROD and Responsiveness Summary | 30 edays | Wed 8/18/10 | Fri 9/17/10 | NA | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1255 | DOI Approval Process | 74 edays | Fri 9/17/10 | Tue 11/30/10 | NA | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1256 | Issue Groundwater ROD | 0 days | Tue 11/30/10 | Tue 11/30/10 | NA | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1257 | Soil | 198 days | Fri 5/23/14 | Wed 2/25/15 | NA | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1268 | Section 106 Programmatic Agreement (PA) | 547 days | Fri 10/10/08 | Wed 11/10/10 | Fri 10/10/08 | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1269 | On-going Programmatic Agreement (PA) Tribal Consultation and Consultation Party discussions | 520 days | Fri 10/10/08 | Mon 10/4/10 | Fri 10/10/08 | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1270 | On-going Programmatic Agreement (PA) Tribal Consultation and Consultation Party discussions | 520 days | Fri 10/10/08 | Mon 10/4/10 | Fri 10/10/08 | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1271 | On-going Programmatic Agreement (PA) Tribal Consultation and Consultation Party discussions | 520 days | Fri 10/10/08 | Mon 10/4/10 | Fri 10/10/08 | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1272 | Preparation of Discussion Draft PA | 174 days | Thu 1/1/09 | Tue 9/1/09 | Thu 1/1/09 | Tue 9/1/09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1273 | Consulting Parties review/comment on Discussion Draft PA | 28 days | Wed 9/2/09 | Fri 10/9/09 | Wed 9/2/09 | Fri 10/9/09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1274 | Meeting scheduled with Consulting Parties | 1 day | Thu 12/3/09 | Thu 12/3/09 | Thu 12/3/09 | Thu 12/3/09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1275 | Consulting parties submit preamble clauses | 27 days | Fri 12/4/09 | Mon 1/11/10 | Fri 12/4/09 | Mon 1/11/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1276 | Consulting parties submit preamble clauses | 27 days | Fri 12/4/09 | Mon 1/11/10 | Fri 12/4/09 | Mon 1/11/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1277 | Meeting scheduled with Consulting Parties | 2 days | Wed 1/27/10 | Thu 1/28/10 | Wed 1/27/10 | Thu 1/28/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1278 | Meeting scheduled with Consulting Parties | 2 days | Tue 2/16/10 | Wed 2/17/10 | Tue 2/16/10 | Wed 2/17/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1279 | Meeting scheduled with Consulting Parties | 2 days | Thu 3/18/10 | Fri 3/19/10 | Thu 3/18/10 | Fri 3/19/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1280 | Meeting scheduled with Consulting Parties | 2 days | Mon 4/26/10 | Tue 4/27/10 | Mon 4/26/10 | Tue 4/27/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1281 | Meeting scheduled with Consulting Parties | 2 days | Wed 5/19/10 | Thu 5/20/10 | Wed 5/19/10 | Thu 5/20/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1282 | Meeting scheduled with Consulting Parties | 2 days | Mon 6/14/10 | Tue 6/15/10 | Mon 6/14/10 | Tue 6/15/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1283 | Meeting scheduled with Consulting Parties | 1 day | Tue 6/22/10 | Tue 6/22/10 | Tue 6/22/10 | Tue 6/22/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1284 | Prepare Final Draft Agreement Document/send for comments | 25 days | Wed 6/23/10 | Mon 7/26/10 | Wed 6/23/10 | Mon 7/26/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1285 | Consulting parties review/comment on Final Draft PA | 46.38 edays | Mon 7/26/10 | Fri 9/10/10 | Mon 7/26/10 | Fri 9/10/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1286 | Consulting parties review/comment on Final Draft PA | 46.38 edays | Mon 7/26/10 | Fri 9/10/10 | Mon 7/26/10 | Fri 9/10/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1287 | Prepare Final PA/send out for signatures | 32.38 edays | Mon 9/13/10 | Fri 10/15/10 | Mon 9/13/10 | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1288 | PA Complete | 26 edays | Fri 10/15/10 | Wed 11/10/10 | NA | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1289 | EIR DOCUMENTATION | 2424.6 days | Thu 9/1/05 | Thu 11/27/14 | Thu 9/1/05 | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1290 | Scoping of EIR needs | 45 days | Thu 9/1/05 | Tue 11/1/05 | Thu 9/1/05 | Tue 11/1/05 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1291 | 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1292 | EIR Contractor Interviews and Contract Negotiations | 47 days | Thu 7/27/06 | Fri 9/29/06 | Thu 7/27/06 | Fri 9/29/06 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1293 | Project Initiation | 1 day | Tue 1/2/07 | Tue 1/2/07 | Tue 1/2/07 | Tue 1/2/07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1294 | Project and Remedy Alternatives Description and Technical Work Plan | 376 days | Mon 9/10/07 | Mon 2/16/09 | Mon 9/10/07 | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Project: PG&E Topock Remediation Project
Date: Fri 10/1/10

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

edays = calendar days; days = work days
 Baseline Schedule is the 8/15/07 CWG Schedule (rev 1, 12/12/07).
 *Timeframes shown are for planning purpose. Actual timeframes may vary.

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

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

Handout 4A - Topock Remediation Detailed Project Schedule October 5, 2010 (Revision 10)

| ID | Task Name | Duration | Forecasted Start | Forecasted Finish | Actual Start | Actual Finish | 2010 | | | | | | | | | | | | 2011 | | | | | | | | | | | | 2012 | | | | | | | | | | | |
|------|---|-------------|------------------|-------------------|--------------|---------------|-------|---|---|-------|---|---|-------|---|---|-------|---|---|-------|---|---|-------|---|---|-------|---|---|-------|---|---|-------|---|---|-------|---|---|-------|---|---|-------|---|---|
| | | | | | | | Qtr 1 | | | Qtr 2 | | | Qtr 3 | | | Qtr 4 | | | Qtr 1 | | | Qtr 2 | | | Qtr 3 | | | Qtr 4 | | | Qtr 1 | | | Qtr 2 | | | Qtr 3 | | | Qtr 4 | | |
| | | | | | | | J | F | M | A | M | J | J | A | S | O | N | D | J | F | M | A | M | J | J | A | S | O | N | D | J | F | M | A | M | J | J | A | S | O | N | D |
| 1309 | NOP and scoping | 277 days | Thu 1/10/08 | Fri 1/30/09 | Thu 1/10/08 | Fri 1/30/09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1319 | Program EIR | 619.5 days | Tue 7/29/08 | Wed 12/8/10 | Tue 7/29/08 | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1320 | Draft EIR preparation | 456 days | Tue 7/29/08 | Tue 4/27/10 | Tue 7/29/08 | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1341 | Draft EIR public review process | 85 days | Tue 4/27/10 | Wed 8/18/10 | Tue 4/27/10 | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1342 | DTSC provides Advanced Draft EIR to Tribes and Topock Leadership Partnership | 1 day | Tue 4/27/10 | Tue 4/27/10 | Tue 4/27/10 | Tue 4/27/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1343 | DTSC files Draft EIR (DEIR), NOC w/ SCH. Notice of Availability is circulated/published. Circulate DEIR | 0.38 edays | Fri 6/4/10 | Fri 6/4/10 | Fri 6/4/10 | Fri 6/4/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1344 | DTSC and AECOM conduct public hearing with public, tribes, and agencies | 8.38 edays | Tue 6/22/10 | Wed 6/30/10 | Tue 6/22/10 | Wed 6/30/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1345 | PG&E review and comment | 45 edays | Fri 6/4/10 | Mon 7/19/10 | Fri 6/4/10 | Mon 7/19/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1346 | CWG review and comment | 45 edays | Fri 6/4/10 | Mon 7/19/10 | Fri 6/4/10 | Mon 7/19/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1347 | Tribal review and comment | 45 edays | Fri 6/4/10 | Mon 7/19/10 | Fri 6/4/10 | Mon 7/19/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1348 | Draft EIR public comment period closes | 0 edays | Mon 7/19/10 | Mon 7/19/10 | Mon 7/19/10 | Mon 7/19/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1349 | AECOM assimilates comments and prepares Responsive Summary for Final EIR | 30.38 edays | Mon 7/19/10 | Wed 8/18/10 | Mon 7/19/10 | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1350 | Final EIR | 80.5 days | Mon 7/19/10 | Mon 11/8/10 | Mon 7/19/10 | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1351 | AECOM Submits Request for Work Authorization for Final EIR | 5 days | Mon 7/19/10 | Fri 7/23/10 | Mon 7/19/10 | Fri 7/23/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1352 | PG&E Issues Work Authorization for Final EIR | 20 days | Mon 7/26/10 | Fri 8/20/10 | Mon 7/26/10 | Fri 8/20/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1353 | AECOM prepares first administrative draft of final EIR for DTSC review | 30 edays | Wed 8/18/10 | Fri 9/17/10 | NA | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1354 | DTSC reviews first administrative draft final EIR; provides comments to EDAW | 20 edays | Fri 9/17/10 | Thu 10/7/10 | NA | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1355 | AECOM prepares screencheck final EIR | 7.5 days | Thu 10/7/10 | Mon 10/18/10 | NA | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1356 | DTSC reviews screencheck final EIR and provides comments to EDAW | 10 days | Mon 10/18/10 | Mon 11/1/10 | NA | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1357 | AECOM prepares draft Mitigation Monitoring Plan (MMP) for review by DTSC | 7.5 days | Mon 10/18/10 | Wed 10/27/10 | NA | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1358 | DTSC distributes final EIR to public/commenting agencies/tribal representatives | 5 days | Mon 11/1/10 | Mon 11/8/10 | NA | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1359 | Notice of Determination filing | 22 days | Mon 11/8/10 | Wed 12/8/10 | NA | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1360 | Notice of Determination (NOD) is filed with County Clerk; posts for 30 calendar days | 30 edays | Mon 11/8/10 | Wed 12/8/10 | NA | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1361 | Supplemental EIR - Soil | 245.6 days | Thu 12/19/13 | Thu 11/27/14 | NA | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1374 | DESIGN, PERMITTING, AND CONSTRUCTION OF GROUNDWATER REMEDY | 790.5 days | Tue 11/30/10 | Wed 12/11/13 | NA | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1375 | Corrective Measure Implementation/Remedial Design/Remedial Action (CMI/RD/RA) Workplan | 134.5 days | Tue 11/30/10 | Tue 6/7/11 | NA | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1376 | Receipt of notification of DTSC's selection of the corrective measure | 0 days | Wed 12/8/10 | Wed 12/8/10 | NA | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1377 | Receipt of notification of DOI's selection of the corrective measure | 0 days | Tue 11/30/10 | Tue 11/30/10 | NA | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1378 | Prepare/submit Draft Workplan (include HSE) | 90 edays | Wed 12/8/10 | Tue 3/8/11 | NA | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1379 | Prepare/update Public Involvement Plan | 90 edays | Wed 12/8/10 | Tue 3/8/11 | NA | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1380 | DTSC forward Draft Workplan to CWG/TWG | 3 days | Tue 3/8/11 | Fri 3/11/11 | NA | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1381 | CWG/TWG review of Draft Workplan | 30 edays | Fri 3/11/11 | Sun 4/10/11 | NA | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1382 | Tribes review of Draft Workplan | 30 edays | Fri 3/11/11 | Sun 4/10/11 | NA | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1383 | DTSC review/comment on Draft Workplan | 45 edays | Fri 3/11/11 | Mon 4/25/11 | NA | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1384 | DOI review/comment on Draft Workplan | 45 edays | Fri 3/11/11 | Mon 4/25/11 | NA | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1385 | Prepare/submit Final Workplan (duration to be confirmed after receipt of comments) | 1 mon | Mon 4/25/11 | Tue 5/24/11 | NA | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1386 | DTSC review/approve Final Workplan | 2 wks | Tue 5/24/11 | Tue 6/7/11 | NA | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1387 | DOI review/approve Final Workplan | 2 wks | Tue 5/24/11 | Tue 6/7/11 | NA | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1388 | Design (Preliminary, Intermediate if needed, and Final RD/RA)/Section 106 Consultation | 206 days | Tue 6/7/11 | Wed 3/21/12 | NA | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1389 | Preliminary Design | 101 days | Tue 6/7/11 | Wed 10/26/11 | NA | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1390 | Prepare/submit Prelim Design Package (Draft Plans/Specs/Construction Work Plan/O&M Plan) | 2 mons | Tue 6/7/11 | Thu 8/4/11 | NA | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1391 | DTSC forward to CWG/TWG | 3 days | Thu 8/4/11 | Tue 8/9/11 | NA | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1392 | DTSC review/comment on Draft Design Package | 45 edays | Tue 8/9/11 | Fri 9/23/11 | NA | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1393 | DOI review/comment on Draft Design Package | 45 edays | Tue 8/9/11 | Fri 9/23/11 | NA | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1394 | CWG/TWG review of Draft Design Package | 30 edays | Tue 8/9/11 | Thu 9/8/11 | NA | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1395 | Section 106 Consultation | 56 days | Tue 8/9/11 | Wed 10/26/11 | NA | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Project: PG&E Topock Remediation Project
Date: Fri 10/1/10

Tasks Not Started/In Progress Baseline Schedule Overall Task Duration

Tasks Finished Milestone

edays = calendar days; days = work days
Baseline Schedule is the 8/15/07 CWG Schedule (rev 1, 12/12/07).
*Timeframes shown are for planning purpose. Actual timeframes may vary.

Color Coding:
PG&E Federal Agencies CWG/TWG Public
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Major Assumptions
- Permits, CWG/ stakeholder review, and DTSC review & approvals are estimated.
- Actual dates may vary depending on field conditions.

Handout 4A - Topock Remediation Detailed Project Schedule October 5, 2010 (Revision 10)

| ID | Task Name | Duration | Forecasted Start | Forecasted Finish | Actual Start | Actual Finish | 2010 | | | | 2011 | | | | 2012 | | | | | | | | | |
|------|--|-----------------|---------------------|---------------------|--------------|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---|---|---|---|---|---|
| | | | | | | | Qtr 1 | Qtr 2 | Qtr 3 | Qtr 4 | Qtr 1 | Qtr 2 | Qtr 3 | Qtr 4 | Qtr 1 | Qtr 2 | Qtr 3 | Qtr 4 | | | | | | |
| | | | | | | | J | F | M | A | M | J | J | A | S | O | N | D | J | F | M | A | M | J |
| 1396 | Tribal Consultation | 30 edays | Tue 8/9/11 | Thu 9/8/11 | NA | NA | | | | | | | | | | | | | | | | | | |
| 1397 | BLM sends consultation package to SHPO | 7 days | Thu 9/8/11 | Mon 9/19/11 | NA | NA | | | | | | | | | | | | | | | | | | |
| 1398 | SHPO Review | 30 edays | Tue 9/20/11 | Thu 10/20/11 | NA | NA | | | | | | | | | | | | | | | | | | |
| 1399 | BLM forward SHPO comments | 3 days | Thu 10/20/11 | Tue 10/25/11 | NA | NA | | | | | | | | | | | | | | | | | | |
| 1400 | DOI provides comments/direction to PG&E | 1 day | Tue 10/25/11 | Wed 10/26/11 | NA | NA | | | | | | | | | | | | | | | | | | |
| 1401 | Final Design/RD/RA | 105 days | Wed 10/26/11 | Wed 3/21/12 | NA | NA | | | | | | | | | | | | | | | | | | |
| 1402 | Prepare/submit Final Design Package (Final Plans/Specs/Construction Plan/O&M Plan) | 2 mons | Wed 10/26/11 | Fri 12/23/11 | NA | NA | | | | | | | | | | | | | | | | | | |
| 1403 | DTSC forward to CWG/TWG | 3 days | Fri 12/23/11 | Wed 12/28/11 | NA | NA | | | | | | | | | | | | | | | | | | |
| 1404 | DTSC review/approve Final Design Package | 45 edays | Wed 12/28/11 | Sat 2/11/12 | NA | NA | | | | | | | | | | | | | | | | | | |
| 1405 | DOI review/comment on Final Design Package | 45 edays | Wed 12/28/11 | Sat 2/11/12 | NA | NA | | | | | | | | | | | | | | | | | | |
| 1406 | CWG/TWG review of Final Design Package | 30 edays | Wed 12/28/11 | Fri 1/27/12 | NA | NA | | | | | | | | | | | | | | | | | | |
| 1407 | Section 106 Consultation | 60 days | Wed 12/28/11 | Wed 3/21/12 | NA | NA | | | | | | | | | | | | | | | | | | |
| 1408 | Tribal Consultation (over holidays) | 30 edays | Wed 12/28/11 | Fri 1/27/12 | NA | NA | | | | | | | | | | | | | | | | | | |
| 1409 | BLM sends consultation package to SHPO | 7 days | Fri 1/27/12 | Tue 2/7/12 | NA | NA | | | | | | | | | | | | | | | | | | |
| 1410 | SHPO Review | 30 edays | Wed 2/8/12 | Fri 3/9/12 | NA | NA | | | | | | | | | | | | | | | | | | |
| 1411 | BLM sign off on SHPO concurrence | 3 days | Fri 3/9/12 | Wed 3/14/12 | NA | NA | | | | | | | | | | | | | | | | | | |
| 1412 | DOI Approval for Implementation | 5 days | Wed 3/14/12 | Wed 3/21/12 | NA | NA | | | | | | | | | | | | | | | | | | |
| 1413 | Approvals/ARARs Compliance/Agreements | 84 days | Wed 3/21/12 | Tue 7/17/12 | NA | NA | | | | | | | | | | | | | | | | | | |
| 1414 | ESA Section 7 Consultation (PBA Addendum) | 60 days | Wed 3/21/12 | Wed 6/13/12 | NA | NA | | | | | | | | | | | | | | | | | | |
| 1415 | Other Approvals and ARARs Compliance | 4 mons | Wed 3/21/12 | Tue 7/17/12 | NA | NA | | | | | | | | | | | | | | | | | | |
| 1416 | Landowner Agreements/Leasing/ROW Agreements | 4 mons | Wed 3/21/12 | Tue 7/17/12 | NA | NA | | | | | | | | | | | | | | | | | | |
| 1417 | Implementation (Note that 106 Consultation will occur during implementation if well locations need to change or more wells are needed and during maintenance and monitoring if new wells are added) | 365 days | Wed 7/18/12 | Wed 12/11/13 | NA | NA | | | | | | | | | | | | | | | | | | |
| 1418 | Prepare/issue factsheet for Corrective Measures Implementation requirements | 30 edays | Wed 7/18/12 | Fri 8/17/12 | NA | NA | | | | | | | | | | | | | | | | | | |
| 1419 | Prepare/issue factsheet for Remedy Implementation | 30 edays | Wed 7/18/12 | Fri 8/17/12 | NA | NA | | | | | | | | | | | | | | | | | | |
| 1420 | Public briefing | 1 day | Fri 8/17/12 | Mon 8/20/12 | NA | NA | | | | | | | | | | | | | | | | | | |
| 1421 | Procurement/Construction | 12 mons | Mon 8/20/12 | Wed 8/7/13 | NA | NA | | | | | | | | | | | | | | | | | | |
| 1422 | Start Operation of Final Remedy | 0 days | Wed 8/7/13 | Wed 8/7/13 | NA | NA | | | | | | | | | | | | | | | | | | |
| 1423 | Prepare/submit Construction Completion Report | 60 days | Wed 8/7/13 | Wed 10/30/13 | NA | NA | | | | | | | | | | | | | | | | | | |
| 1424 | DOI review and approval of Construction Completion Report | 30 days | Wed 10/30/13 | Wed 12/11/13 | NA | NA | | | | | | | | | | | | | | | | | | |
| 1425 | DTSC review and approval of Construction Completion Report | 30 days | Wed 10/30/13 | Wed 12/11/13 | NA | NA | | | | | | | | | | | | | | | | | | |

Tasks Not Started/In Progress Baseline Schedule
 Tasks Finished Milestone
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