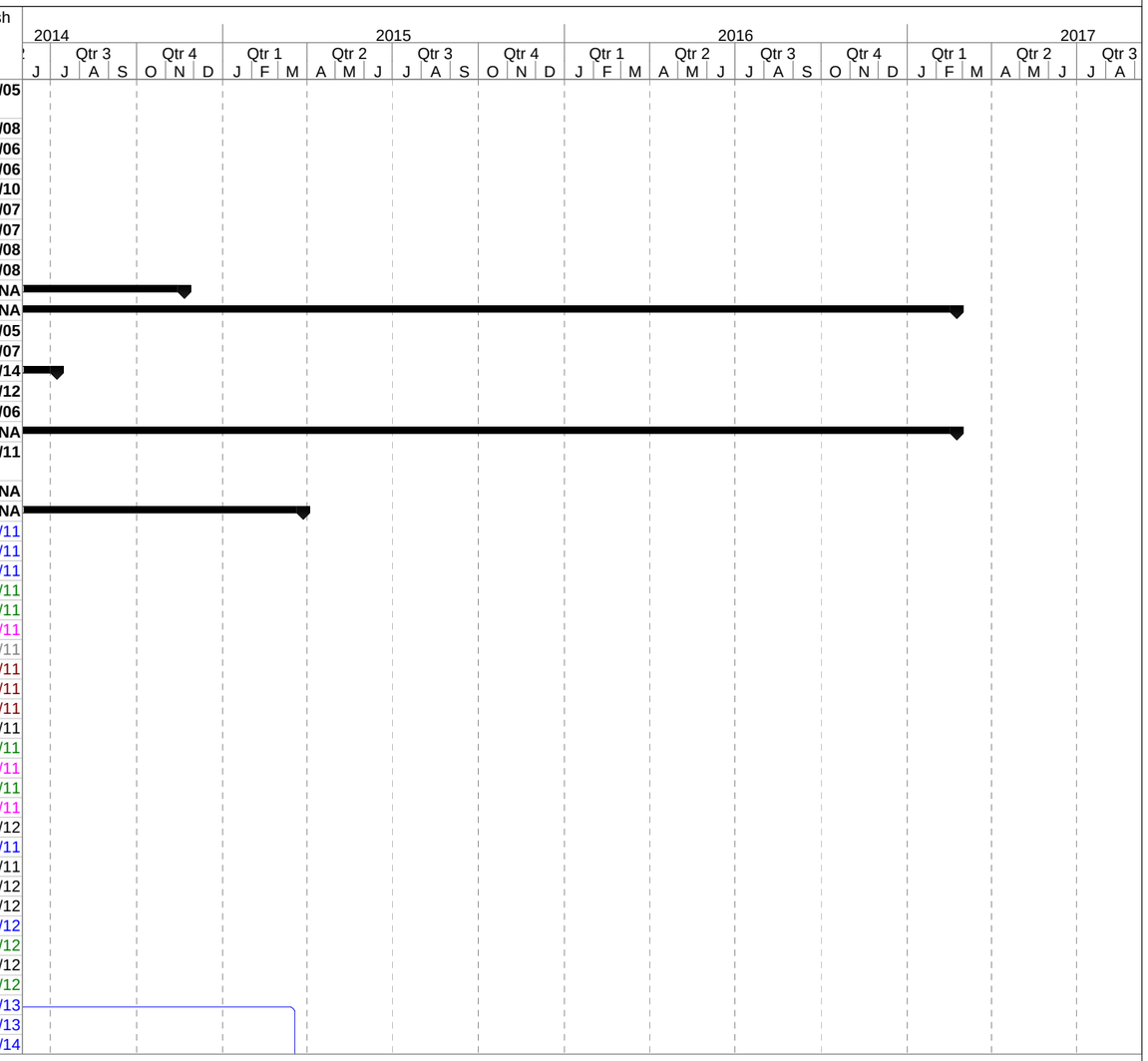
HANDOUT 9A - TOPOCK REMEDIATION PROJECT SCHEDULE (REV. 25)
FEBRUARY 18, 2015 CWG MEETING

ID	Task Name	Duration	Forecasted Start	Forecasted Finish	Actual Start	Actual Finish
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)**	**2077 days**	**Tue 12/19/06**	**Thu 11/20/14**	**Tue 12/19/06**	**NA**
253	**REMEDIAL FACILITY INVESTIGATION/REMEDIAL INVESTIGATION (RFI/RI)**	**5506 days**	**Sat 2/24/96**	**Wed 2/22/17**	**Sat 2/24/96**	**NA**
254	**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**
272	**Prepare Site History Report (Vol 1)**	**466 days**	**Tue 11/15/05**	**Wed 8/15/07**	**Tue 11/15/05**	**Wed 8/15/07**
287	**Prepare RFI/RI Vol 1 Addendum**	**1829 days**	**Wed 7/11/07**	**Tue 7/8/14**	**Wed 7/11/07**	**Tue 7/8/14**
309	**Prepare Final Groundwater RFI/RI (Vol 2)**	**1948 days**	**Mon 6/27/05**	**Fri 11/16/12**	**Mon 6/27/05**	**Fri 11/16/12**
619	**ADEQ Topock Groundwater Study**	**475 days**	**Thu 11/18/04**	**Wed 8/23/06**	**Thu 11/18/04**	**Wed 8/23/06**
623	**Prepare Final Soil RFI/RI (Vol 3)**	**2779 days**	**Sat 7/15/06**	**Wed 2/22/17**	**Sat 7/15/06**	**NA**
624	**Implementation of Off-site Soil Sampling (Part A Phase 1) and Data Gaps Evaluation**	**1215 days**	**Sat 7/15/06**	**Fri 2/25/11**	**Sat 7/15/06**	**Fri 2/25/11**
773	**Draft On-site Soil Sampling (Part B) DQOs**	**1122 days**	**Wed 12/6/06**	**Fri 3/11/11**	**Wed 12/6/06**	**NA**
828	**Soil RFI/RI Work Plan**	**1105 days**	**Tue 1/4/11**	**Fri 3/27/15**	**Tue 1/4/11**	**NA**
829	Receive DTSC's direction to combine Soil Part A and Part B into one Work Plan	1 day	Tue 1/4/11	Tue 1/4/11	Tue 1/4/11	Tue 1/4/11
830	Receive additional directions from agencies on Part A data gaps evaluation	1 day	Fri 2/25/11	Fri 2/25/11	Fri 2/25/11	Fri 2/25/11
831	Prepare/submit Soil Work Plan (assumes no pre-meeting with agencies/Tribes)	50 days	Mon 2/28/11	Fri 5/6/11	Mon 2/28/11	Fri 5/6/11
832	DTSC forward to CWG/TWG	2 days	Mon 5/9/11	Tue 5/10/11	Mon 5/9/11	Tue 5/10/11
833	DTSC review/comment on Soil Work Plan	101.38 edays	Tue 5/10/11	Fri 8/19/11	Tue 5/10/11	Fri 8/19/11
834	DOI review/comment on Soil Work Plan	98.38 edays	Tue 5/10/11	Tue 8/16/11	Tue 5/10/11	Tue 8/16/11
835	CWG/TWG review/comment on Soil Work Plan	83.38 edays	Tue 5/10/11	Mon 8/1/11	Tue 5/10/11	Mon 8/1/11
836	Tribal Consultation	66.38 edays	Fri 5/27/11	Mon 8/1/11	Fri 5/27/11	Mon 8/1/11
837	SHPO Consultation	66.38 edays	Fri 5/27/11	Mon 8/1/11	Fri 5/27/11	Mon 8/1/11
838	FMIT comment on DTSC's/DOI's comments	0 days	Fri 9/9/11	Fri 9/9/11	Fri 9/9/11	Fri 9/9/11
839	FMIT, Hualapai, DTSC and DOI discuss FMIT's comments on Agencies' comments	1 day	Thu 9/15/11	Thu 9/15/11	Thu 9/15/11	Thu 9/15/11
840	DTSC respond to FMIT's comment on DTSC's comments	1 day	Thu 10/6/11	Thu 10/6/11	Thu 10/6/11	Thu 10/6/11
841	DOI respond to FMIT's comment on DOI's comments	1 day	Thu 10/6/11	Thu 10/6/11	Thu 10/6/11	Thu 10/6/11
842	DTSC provides additional direction to PGE	1 day	Fri 10/7/11	Fri 10/7/11	Fri 10/7/11	Fri 10/7/11
843	DOI provides additional direction to PG&E	1 day	Fri 10/7/11	Fri 10/7/11	Fri 10/7/11	Fri 10/7/11
844	Comment resolution	42.2 wks	Mon 8/22/11	Fri 6/15/12	Mon 8/22/11	Fri 6/15/12
845	Draft response to comments to Tribes	1 day	Wed 12/14/11	Wed 12/14/11	Wed 12/14/11	Wed 12/14/11
846	Sitewalk to review soil sample locations	1 day	Thu 12/15/11	Thu 12/15/11	Thu 12/15/11	Thu 12/15/11
847	Final response to comments (RTCs) to CWG/TWG/Agencies/Tribes	0 days	Fri 5/11/12	Fri 5/11/12	Fri 5/11/12	Fri 5/11/12
848	Meeting to discuss RTCs (after 2weeks review of RTCs by CWG/ TWG/Tribes)	0 days	Fri 6/15/12	Fri 6/15/12	Fri 6/15/12	Fri 6/15/12
849	PG&E submits Revised Work Plan including RTCs	16.4 wks	Fri 5/11/12	Wed 9/5/12	Fri 5/11/12	Wed 9/5/12
850	DTSC forward to CWG/TWG	0 days	Mon 9/17/12	Mon 9/17/12	Mon 9/17/12	Mon 9/17/12
851	DOI, DTSC, and Tribes met to discuss Soil RTC process	1 day	Tue 10/16/12	Tue 10/16/12	Tue 10/16/12	Tue 10/16/12
852	DTSC reviews/comments on Revised Work Plan	24 days	Tue 9/18/12	Fri 10/19/12	Tue 9/18/12	Fri 10/19/12
853	PG&E submits Final Work Plan (clean and redline versions)	0 days	Mon 1/14/13	Mon 1/14/13	Mon 1/14/13	Mon 1/14/13
854	Monitoring of Historical/Archaeological Sites in Soil EIR Project Area	8 days	Mon 12/2/13	Wed 12/11/13	Mon 12/2/13	Wed 12/11/13
855	Prepare/submit Final Monitoring Report	3.1 mons	Thu 12/12/13	Wed 3/12/14	Thu 12/12/13	Wed 3/12/14



Project: PG&E Topock Remediation Project
Date: Thu 2/19/15

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

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

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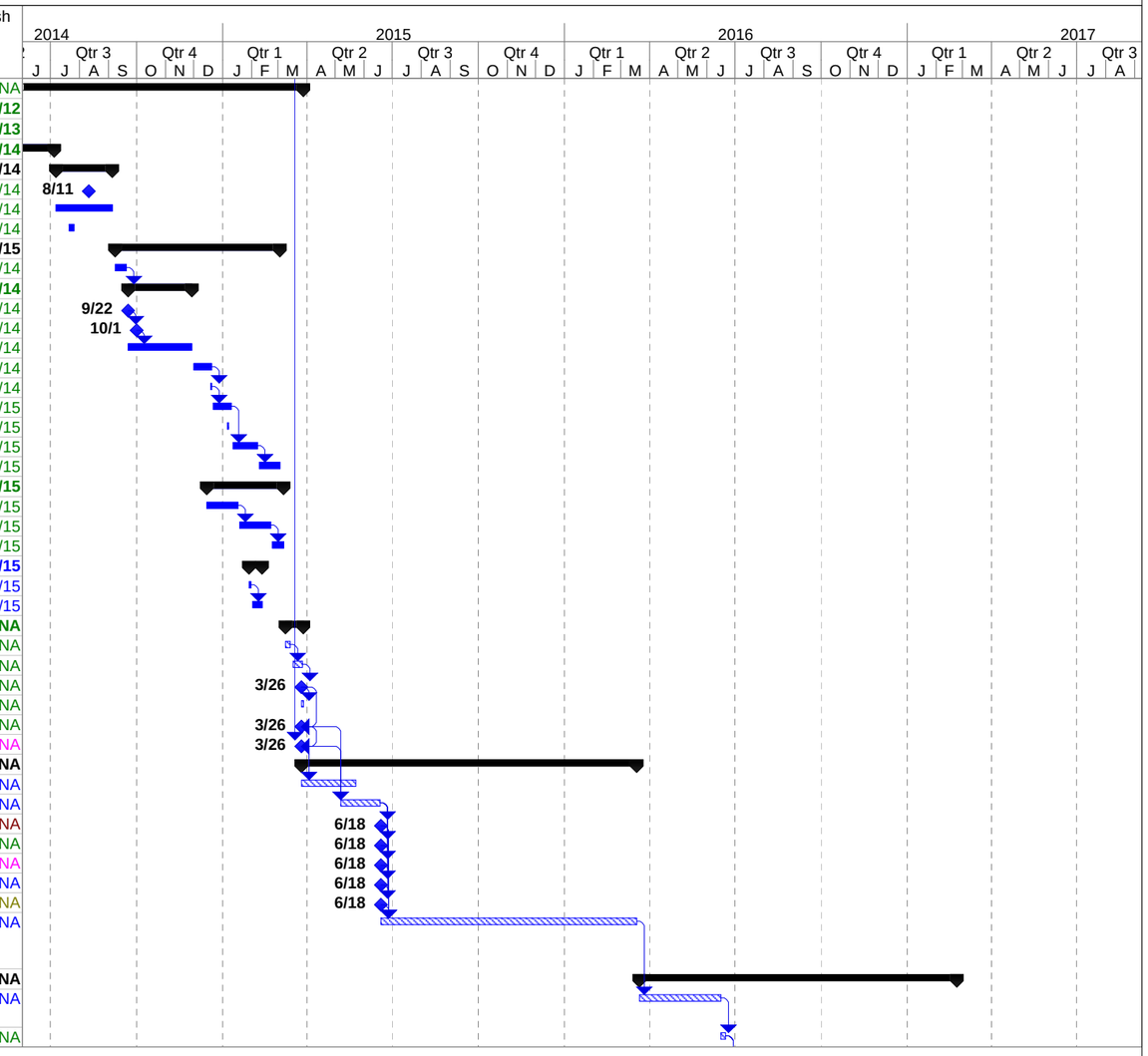
856	State CEQA evaluation	620 days	Mon 11/12/12	Fri 3/27/15	Mon 11/12/12	NA
857	**Prepare Notice of Preparation**	**13 days**	**Mon 11/12/12**	**Wed 11/28/12**	**Mon 11/12/12**	**Wed 11/28/12**
865	**NOP Public Review**	**34 days**	**Wed 11/28/12**	**Mon 1/14/13**	**Wed 11/28/12**	**Mon 1/14/13**
868	**Prepare Draft EIR**	**390 days**	**Mon 1/7/13**	**Fri 7/4/14**	**Mon 1/7/13**	**Fri 7/4/14**
885	**Draft EIR Public Review**	**44 days**	**Mon 7/7/14**	**Fri 9/5/14**	**Mon 7/7/14**	**Fri 9/5/14**
886	DTSC approved a request for extension of the Public Comment Period	0 days	Mon 8/11/14	Mon 8/11/14	Mon 8/11/14	Mon 8/11/14
887	60-Day Public Review	60 edays	Mon 7/7/14	Fri 9/5/14	Mon 7/7/14	Fri 9/5/14
888	Public Meeting/Hearing	4.38 edays	Mon 7/21/14	Fri 7/25/14	Mon 7/21/14	Fri 7/25/14
889	**Final EIR, Response to Comments, Findings, MMRP**	**126 days**	**Mon 9/8/14**	**Mon 3/2/15**	**Mon 9/8/14**	**Mon 3/2/15**
890	DEIR Comment Review and Characterization	2 wks	Mon 9/8/14	Fri 9/19/14	Mon 9/8/14	Fri 9/19/14
891	**ESA Compile & Prepare 1st Admin Draft RTC/EIR revision**	**50 days**	**Mon 9/22/14**	**Fri 11/28/14**	**Mon 9/22/14**	**Fri 11/28/14**
892	DTSC/ESA Response Direction Meeting	0 days	Mon 9/22/14	Mon 9/22/14	Mon 9/22/14	Mon 9/22/14
893	Cultural Resources Mitigation Measure Meeting	0 days	Wed 10/1/14	Wed 10/1/14	Wed 10/1/14	Wed 10/1/14
894	ESA Compiles 1st Admin Draft RTC/EIR	10 wks	Mon 9/22/14	Fri 11/28/14	Mon 9/22/14	Fri 11/28/14
895	DTSC Review 1st Admin Draft RTC/FEIR/Findings/MMRP	3 wks	Mon 12/1/14	Fri 12/19/14	Mon 12/1/14	Fri 12/19/14
896	DTSC/ESA Comment Resolution Meeting	1 day	Fri 12/19/14	Fri 12/19/14	Fri 12/19/14	Fri 12/19/14
897	ESA/DTSC resolve Final EIR Outstanding Issues	3 wks	Mon 12/22/14	Fri 1/9/15	Mon 12/22/14	Fri 1/9/15
898	DTSC/ESA Comment Resolution Meeting	0.2 wks	Tue 1/6/15	Tue 1/6/15	Tue 1/6/15	Tue 1/6/15
899	ESA Prepare Screencheck FEIR	4 wks	Mon 1/12/15	Fri 2/6/15	Mon 1/12/15	Fri 2/6/15
900	DTSC Review Screencheck FEIR	3.2 wks	Mon 2/9/15	Mon 3/2/15	Mon 2/9/15	Mon 3/2/15
901	**Findings, SOCs, Resolutions**	**60 days**	**Mon 12/15/14**	**Fri 3/6/15**	**Mon 12/15/14**	**Fri 3/6/15**
902	ESA Prepare Findings/SOCs/Resolutions and Legal Review	25 days	Mon 12/15/14	Fri 1/16/15	Mon 12/15/14	Fri 1/16/15
903	DTSC Review Findings/SOCs/Resolutions	5 wks	Mon 1/19/15	Fri 2/20/15	Mon 1/19/15	Fri 2/20/15
904	ESA Prepare Final Findings/SOCs/Resolutions	2 wks	Mon 2/23/15	Fri 3/6/15	Mon 2/23/15	Fri 3/6/15
905	**Bat Habitat Assessment**	**10 days**	**Thu 1/29/15**	**Wed 2/11/15**	**Thu 1/29/15**	**Wed 2/11/15**
906	Bat Habitat Assessment	2 days	Thu 1/29/15	Fri 1/30/15	Thu 1/29/15	Fri 1/30/15
907	Bat Habitat Assessment White Paper	8 days	Mon 2/2/15	Wed 2/11/15	Mon 2/2/15	Wed 2/11/15
908	**FEIR Production, Certification, Notice of Determination**	**15 days**	**Mon 3/9/15**	**Fri 3/27/15**	**NA**	**NA**
909	ESA Produces FEIR	5 days	Mon 3/9/15	Fri 3/13/15	NA	NA
910	10 Day FEIR Circulation	10 edays	Mon 3/16/15	Thu 3/26/15	NA	NA
911	DTSC Certifies Final EIR	0 days	Thu 3/26/15	Thu 3/26/15	NA	NA
912	ESA Files Notice of Determination	2 days	Thu 3/26/15	Fri 3/27/15	NA	NA
913	DTSC approve Final Work Plan	0 days	Thu 3/26/15	Thu 3/26/15	NA	NA
914	DOI approve Final Work Plan	0 days	Thu 3/26/15	Thu 3/26/15	NA	NA
915	**Work Plan Implementation/Data Analysis**	**256 days**	**Thu 3/26/15**	**Thu 3/17/16**	**NA**	**NA**
916	Permitting/Planning for Field Work	2 mons	Thu 3/26/15	Fri 5/22/15	NA	NA
917	Field mobilization	30 days	Thu 5/7/15	Wed 6/17/15	NA	NA
918	Stakeholder Attending Kick-Off Meeting at Site*	0 days	Thu 6/18/15	Thu 6/18/15	NA	NA
919	Stakeholder Attending Kick-Off Meeting at Site*	0 days	Thu 6/18/15	Thu 6/18/15	NA	NA
920	Stakeholder Attending Kick-Off Meeting at Site*	0 days	Thu 6/18/15	Thu 6/18/15	NA	NA
921	Stakeholder Attending Kick-Off Meeting at Site*	0 days	Thu 6/18/15	Thu 6/18/15	NA	NA
922	Stakeholder Attending Kick-Off Meeting at Site*	0 days	Thu 6/18/15	Thu 6/18/15	NA	NA
923	Field Implementation (field duration will depend on field conditions, ability to perform field work concurrently, and ability to reach timely decisions on additional sampling needs)	273 edays	Thu 6/18/15	Thu 3/17/16	NA	NA
924	**Reporting (RFI/RI Volume 3)**	**243 days**	**Mon 3/21/16**	**Wed 2/22/17**	**NA**	**NA**
925	Prepare Draft RFI/RI Vol 3 report (duration is estimated and will be verified/adjusted after completion of Soil RFI/RI Field Implementation)	3 mons	Mon 3/21/16	Wed 6/15/16	NA	NA
926	DTSC sends report to CWG/TWG and Tribes	3 days	Thu 6/16/16	Mon 6/20/16	NA	NA



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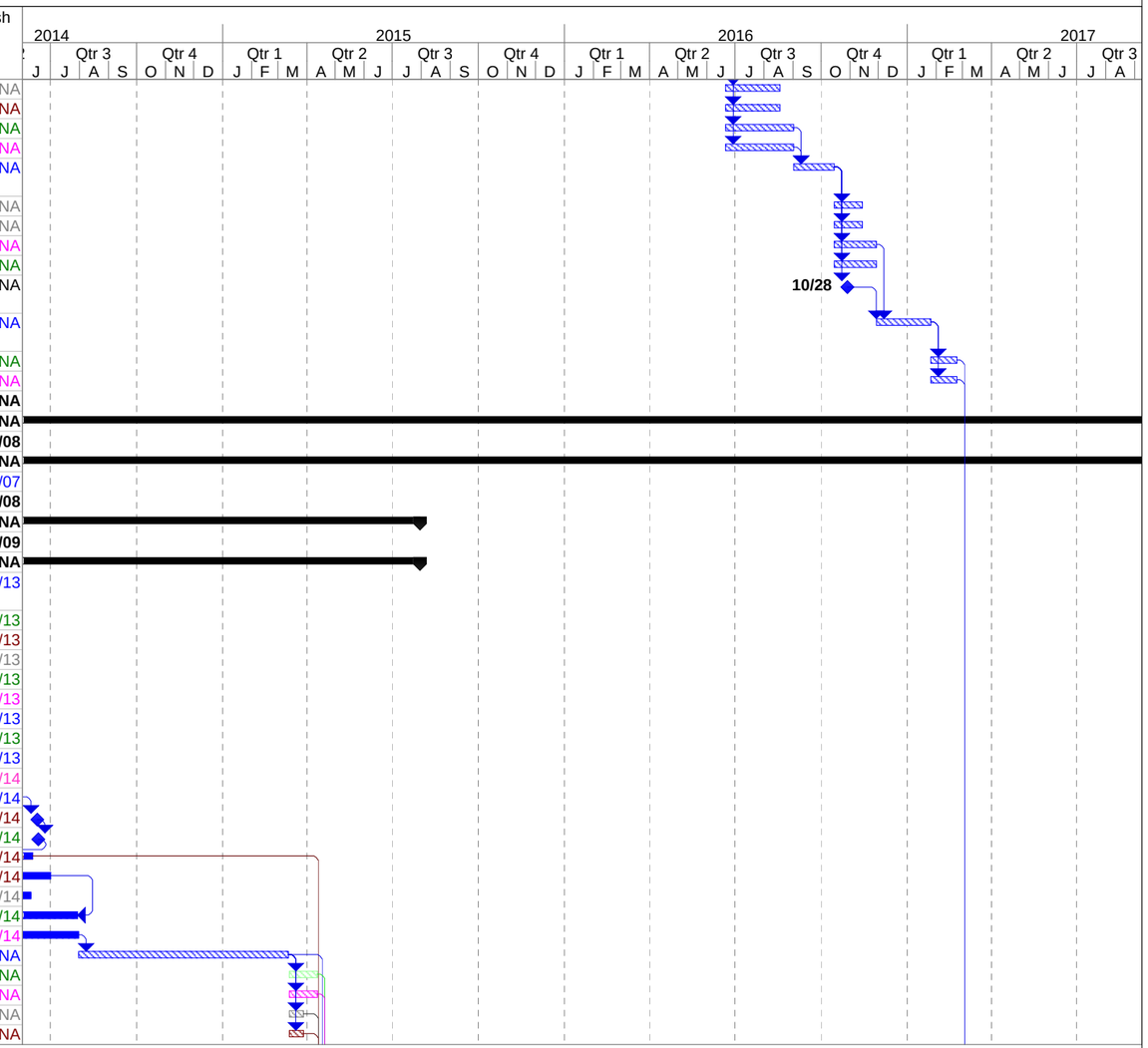
927	CWG/TWG review/comment	2 mons	Tue 6/21/16	Wed 8/17/16	NA	NA
928	Tribes review/comment	2 mons	Tue 6/21/16	Wed 8/17/16	NA	NA
929	DTSC review/comment/provide direction to PG&E	2.5 mons	Tue 6/21/16	Thu 9/1/16	NA	NA
930	DOI review/comment/provide direction to PG&E	2.5 mons	Tue 6/21/16	Thu 9/1/16	NA	NA
931	Prepare RTCs (duration is estimated, to be verified after receipt of comments and direction)	1.5 mons	Thu 9/1/16	Fri 10/14/16	NA	NA
932	CWG/TWG review/comment	30 edays	Fri 10/14/16	Sun 11/13/16	NA	NA
933	Tribes review/comemnt	30 edays	Fri 10/14/16	Sun 11/13/16	NA	NA
934	DOI review/comment	45 edays	Fri 10/14/16	Mon 11/28/16	NA	NA
935	DTSC review/comment	45 edays	Fri 10/14/16	Mon 11/28/16	NA	NA
936	Meeting to discuss RTCs (approx. 2 wks after review by CWG/ TWG/Tribes/ Agencies)	0 days	Fri 10/28/16	Fri 10/28/16	NA	NA
937	Prepare Revised RFI Volume 3 (duration is estimated, to be verified after completion of RTCs)	2 mons	Tue 11/29/16	Wed 1/25/17	NA	NA
938	DTSC review/approve Revised RFI/RI Vol. 3	4 wks	Thu 1/26/17	Wed 2/22/17	NA	NA
939	DOI review/approve Revised RFI/RI Vol. 3 Report	4 wks	Thu 1/26/17	Wed 2/22/17	NA	NA
940	**CORRECTIVE MEASURES/REMEDIAL ALTERNATIVE DEVELOPMENT**	**1527 days**	**Mon 3/29/04**	**Thu 12/31/09**	**Mon 3/29/04**	**NA**
1088	**CORRECTIVE MEASURE STUDY/FEASIBILITY STUDY (CMS/FS) AND RISK ASSESSMENT**	**4171 days**	**Mon 12/16/02**	**Thu 11/1/18**	**Mon 12/16/02**	**NA**
1089	**CMS Work Plan**	**1465 days**	**Mon 12/16/02**	**Tue 6/24/08**	**Mon 12/16/02**	**Tue 6/24/08**
1108	**Risk Evaluation - Scoping and CSM**	**2912 days**	**Tue 10/31/06**	**Wed 12/13/17**	**Tue 10/31/06**	**NA**
1109	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
1110	**Scoping for Ecological Risk Assessment Work Plan**	**282 days**	**Mon 1/22/07**	**Fri 2/15/08**	**Mon 1/22/07**	**Fri 2/15/08**
1120	**Soil/Groundwater Risk Assessment Workplan (RAWP)**	**2027.7 days**	**Mon 10/29/07**	**Thu 7/30/15**	**Mon 10/29/07**	**NA**
1121	**RAWP**	**334 days**	**Mon 10/29/07**	**Thu 2/5/09**	**Mon 10/29/07**	**Thu 2/5/09**
1147	**RAWP Addendum II**	**654.7 days**	**Fri 1/25/13**	**Thu 7/30/15**	**Fri 1/25/13**	**NA**
1148	PG&E submits Revised Arrowweed TM and RAWP Addendum II TM (Proposed Changes to RAWP)	1 day	Fri 1/25/13	Fri 1/25/13	Fri 1/25/13	Fri 1/25/13
1149	DTSC forward to CWG/TWG	2 days	Mon 1/28/13	Tue 1/29/13	Mon 1/28/13	Tue 1/29/13
1150	Tribal review/comment	91.38 edays	Tue 1/29/13	Tue 4/30/13	Tue 1/29/13	Tue 4/30/13
1151	CWG/TWG review on TMs	91.38 edays	Tue 1/29/13	Tue 4/30/13	Tue 1/29/13	Tue 4/30/13
1152	DTSC review/comment on the TMs	91.38 edays	Tue 1/29/13	Tue 4/30/13	Tue 1/29/13	Tue 4/30/13
1153	DOI review/comment on the TMs	91.38 edays	Tue 1/29/13	Tue 4/30/13	Tue 1/29/13	Tue 4/30/13
1154	PG&E prepares/submits Response to Comments	31 days	Wed 5/1/13	Wed 6/12/13	Wed 5/1/13	Wed 6/12/13
1155	DTSC sent RTCs to Tribes	1 day	Mon 6/24/13	Mon 6/24/13	Mon 6/24/13	Mon 6/24/13
1156	Scoping Meetings for RAWP Addendum II	3.05 mons	Tue 6/25/13	Fri 9/20/13	Tue 6/25/13	Fri 9/20/13
1157	Exposure assumptions for Recreational User	0 days	Fri 4/4/14	Fri 4/4/14	Fri 4/4/14	Fri 4/4/14
1158	Prepare/submit RAWP Addendum II	5.38 mons	Tue 10/1/13	Wed 5/7/14	Tue 10/1/13	Wed 5/7/14
1159	Hualapai Tribe requested an extension for review/comment	0 days	Tue 6/17/14	Tue 6/17/14	Tue 6/17/14	Tue 6/17/14
1160	DTSC granted the Hualapai Tribe's extension request	0 days	Wed 6/18/14	Wed 6/18/14	Wed 6/18/14	Wed 6/18/14
1161	FMIT review/comment	34.38 edays	Thu 5/8/14	Wed 6/11/14	Thu 5/8/14	Wed 6/11/14
1162	Hualapai Tribe review/comment	38 days	Thu 5/8/14	Mon 6/30/14	Thu 5/8/14	Mon 6/30/14
1163	CWG/TWG review	32.38 edays	Thu 5/8/14	Mon 6/9/14	Thu 5/8/14	Mon 6/9/14
1164	DTSC review/comment	82.38 edays	Thu 5/8/14	Tue 7/29/14	Thu 5/8/14	Tue 7/29/14
1165	DOI review/comment	83.38 edays	Thu 5/8/14	Wed 7/30/14	Thu 5/8/14	Wed 7/30/14
1166	Prepare Response to Comments	7.62 mons	Thu 7/31/14	Wed 3/11/15	Thu 7/31/14	NA
1167	DTSC review/comment	30 edays	Thu 3/12/15	Sat 4/11/15	NA	NA
1168	DOI review/comment	30 edays	Thu 3/12/15	Sat 4/11/15	NA	NA
1169	CWG/TWG review/comment	15 edays	Thu 3/12/15	Fri 3/27/15	NA	NA
1170	Tribal review/comment	15 edays	Thu 3/12/15	Fri 3/27/15	NA	NA



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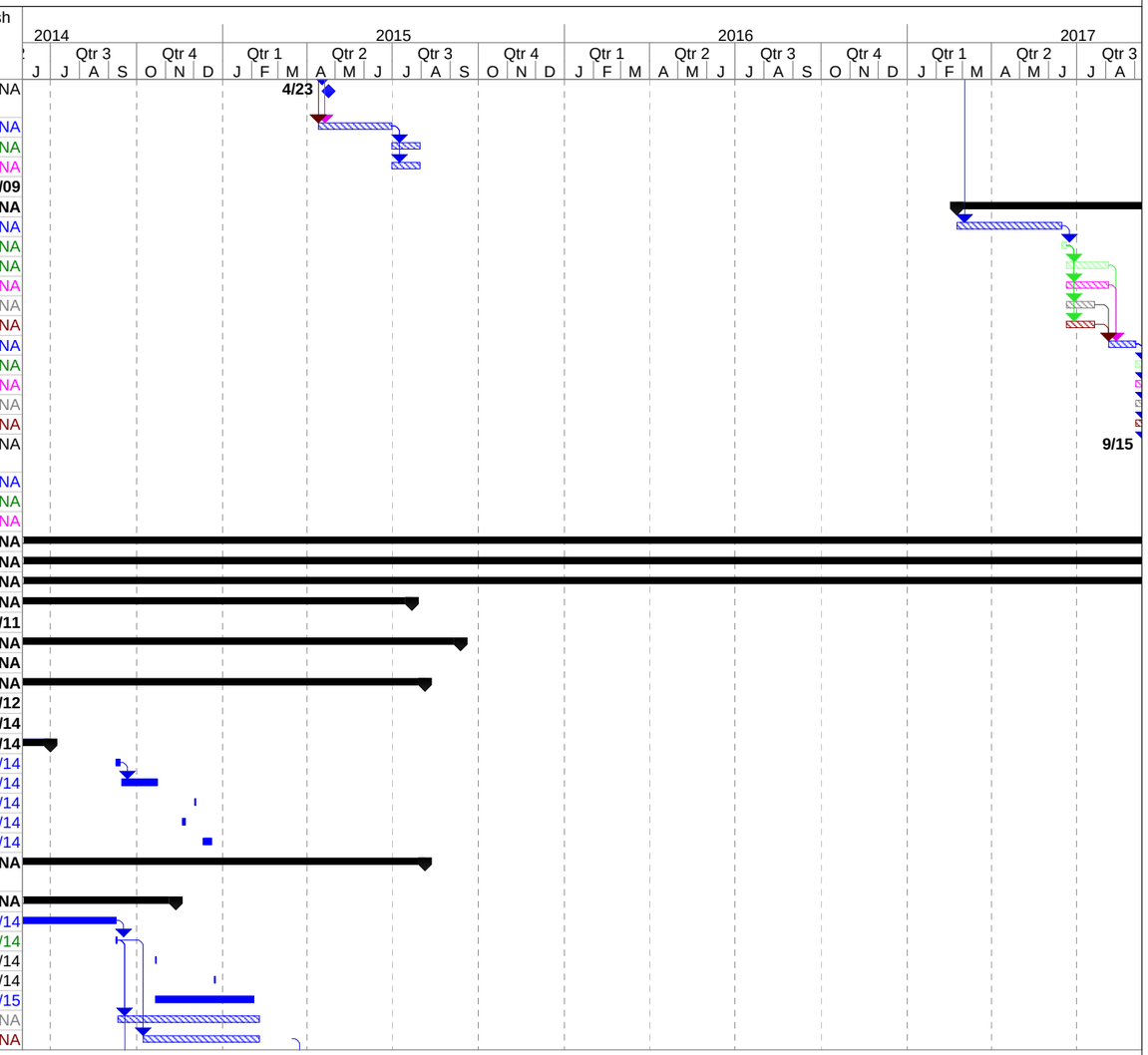
1171	Meeting to discuss response to comments (approx. 2 wks after review by CWG/TWG/Tribes/Agencies)	0 days	Thu 4/23/15	Thu 4/23/15	NA	NA
1172	Submit Final RAWP Addendum II	2.7 mons	Mon 4/13/15	Tue 6/30/15	NA	NA
1173	DTSC review/approve	30 edays	Tue 6/30/15	Thu 7/30/15	NA	NA
1174	DOI review/approve	30 edays	Tue 6/30/15	Thu 7/30/15	NA	NA
1175	**Groundwater Evaluation**	**330 days**	**Wed 9/10/08**	**Tue 12/15/09**	**Wed 9/10/08**	**Tue 12/15/09**
1192	**Soil Evaluation**	**210 days**	**Thu 2/23/17**	**Wed 12/13/17**	**NA**	**NA**
1193	Prepare and submit HH and Eco Soil risk evaluation	16 wks	Thu 2/23/17	Wed 6/14/17	NA	NA
1194	DTSC send Soil Risk Evaluation to CWG/TWG	3 days	Thu 6/15/17	Mon 6/19/17	NA	NA
1195	DTSC review/comment	45 edays	Mon 6/19/17	Thu 8/3/17	NA	NA
1196	DOI review/comment	45 edays	Mon 6/19/17	Thu 8/3/17	NA	NA
1197	CWG/TWG review/comment	30 edays	Mon 6/19/17	Wed 7/19/17	NA	NA
1198	Tribes review/comment	30 edays	Mon 6/19/17	Wed 7/19/17	NA	NA
1199	Prepare Response to Comments	1 mon	Fri 8/4/17	Fri 9/1/17	NA	NA
1200	DTSC review/comment	45 edays	Fri 9/1/17	Mon 10/16/17	NA	NA
1201	DOI review/comment	45 edays	Fri 9/1/17	Mon 10/16/17	NA	NA
1202	CWG/TWG review/comment	30 edays	Fri 9/1/17	Sun 10/1/17	NA	NA
1203	Tribal review/comment	30 edays	Fri 9/1/17	Sun 10/1/17	NA	NA
1204	Meeting to discuss response to comments (approx. 2 wks after review by CWG/TWG/Tribes/ Agencies)	0 days	Fri 9/15/17	Fri 9/15/17	NA	NA
1205	Finalize risk evaluation	1 mon	Tue 10/17/17	Tue 11/14/17	NA	NA
1206	DTSC review/approve	1 mon	Wed 11/15/17	Wed 12/13/17	NA	NA
1207	DOI review/approve	1 mon	Wed 11/15/17	Wed 12/13/17	NA	NA
1208	**CMS/FS Report**	**2668 days**	**Mon 8/18/08**	**Thu 11/1/18**	**Mon 8/18/08**	**NA**
1286	**STATEMENT OF BASIS**	**2416.6 days**	**Mon 1/4/10**	**Wed 4/3/19**	**Mon 1/4/10**	**NA**
1301	**RECORD OF DECISION**	**2517 days**	**Fri 12/18/09**	**Tue 8/6/19**	**Fri 12/18/09**	**NA**
1324	**Section 106 Programmatic Agreement (PA)**	**1772 days**	**Fri 10/10/08**	**Tue 7/21/15**	**Fri 10/10/08**	**NA**
1357	**EIR DOCUMENTATION**	**1449 days**	**Thu 9/1/05**	**Wed 3/2/11**	**Thu 9/1/05**	**Wed 3/2/11**
1430	**DESIGN, PERMITTING, AND CONSTRUCTION OF GROUNDWATER REMEDY**	**1206 days**	**Mon 1/31/11**	**Fri 9/11/15**	**Mon 1/31/11**	**NA**
1431	**Corrective Measure Implementation/Remedial Design (CMI/RD) Workplan**	**199 days**	**Mon 1/31/11**	**Thu 11/3/11**	**Mon 1/31/11**	**NA**
1445	**Remedial Design (Preliminary, Intermediate, and Pre-Final/Final)**	**1012 days**	**Tue 9/20/11**	**Tue 8/4/15**	**Tue 9/20/11**	**NA**
1446	**Preliminary Design**	**174 days**	**Tue 9/20/11**	**Thu 5/17/12**	**Tue 9/20/11**	**Thu 5/17/12**
1458	**Intermediate Design**	**501 days**	**Fri 5/18/12**	**Fri 4/18/14**	**Fri 5/18/12**	**Fri 4/18/14**
1487	**Implementation Plan for Evaluation of Alternative Freshwater Sources**	**422 days**	**Fri 11/16/12**	**Mon 6/30/14**	**Fri 11/16/12**	**Mon 6/30/14**
1526	Field Verification of Archaeological/Historical Sites in Groundwater Remedy Footprint	4 days	Tue 9/9/14	Fri 9/12/14	Tue 9/9/14	Fri 9/12/14
1527	Prepare/submit Field Verification Report	28 days	Mon 9/15/14	Wed 10/22/14	Mon 9/15/14	Wed 10/22/14
1528	Survey of Archaelogical/Historical Sites in Expanded Area at Park Moabi	1 day	Tue 12/2/14	Tue 12/2/14	Tue 12/2/14	Tue 12/2/14
1529	Survey of Biological Resources in Expanded Area at Park Moabi	3 days	Wed 11/19/14	Fri 11/21/14	Wed 11/19/14	Fri 11/21/14
1530	Annual archeological monitoring and site condition assessments	7 days	Thu 12/11/14	Fri 12/19/14	Thu 12/11/14	Fri 12/19/14
1531	**Pre-Final/Final Design (include plan for decommissioning, removal, and restoration of IM3 facility)**	**347 days**	**Mon 4/7/14**	**Tue 8/4/15**	**Mon 4/7/14**	**NA**
1532	**Documents submitted in advance of 90%**	**140 days**	**Wed 4/30/14**	**Tue 11/11/14**	**Wed 4/30/14**	**NA**
1553	Prepare/submit Pre-Final Design Package	5.29 mons	Mon 4/7/14	Mon 9/8/14	Mon 4/7/14	Mon 9/8/14
1554	DTSC forward to CWG/TWG	1 day	Tue 9/9/14	Tue 9/9/14	Tue 9/9/14	Tue 9/9/14
1555	Agencies' direction #1 on Supplemental 90%	1 day	Tue 10/21/14	Tue 10/21/14	Tue 10/21/14	Tue 10/21/14
1556	Agencies' direction #2 on Supplemental 90%	1 day	Tue 12/23/14	Tue 12/23/14	Tue 12/23/14	Tue 12/23/14
1557	Prepare/submit Supplemental Pre-Final Design Package	104.38 edays	Tue 10/21/14	Mon 2/2/15	Tue 10/21/14	Mon 2/2/15
1558	CWG/TWG review/comment on Pre-Final Design Package	187 edays	Wed 9/10/14	Mon 3/16/15	Wed 9/10/14	NA
1559	Tribal Consultation	159 edays	Wed 10/8/14	Mon 3/16/15	Wed 10/8/14	NA



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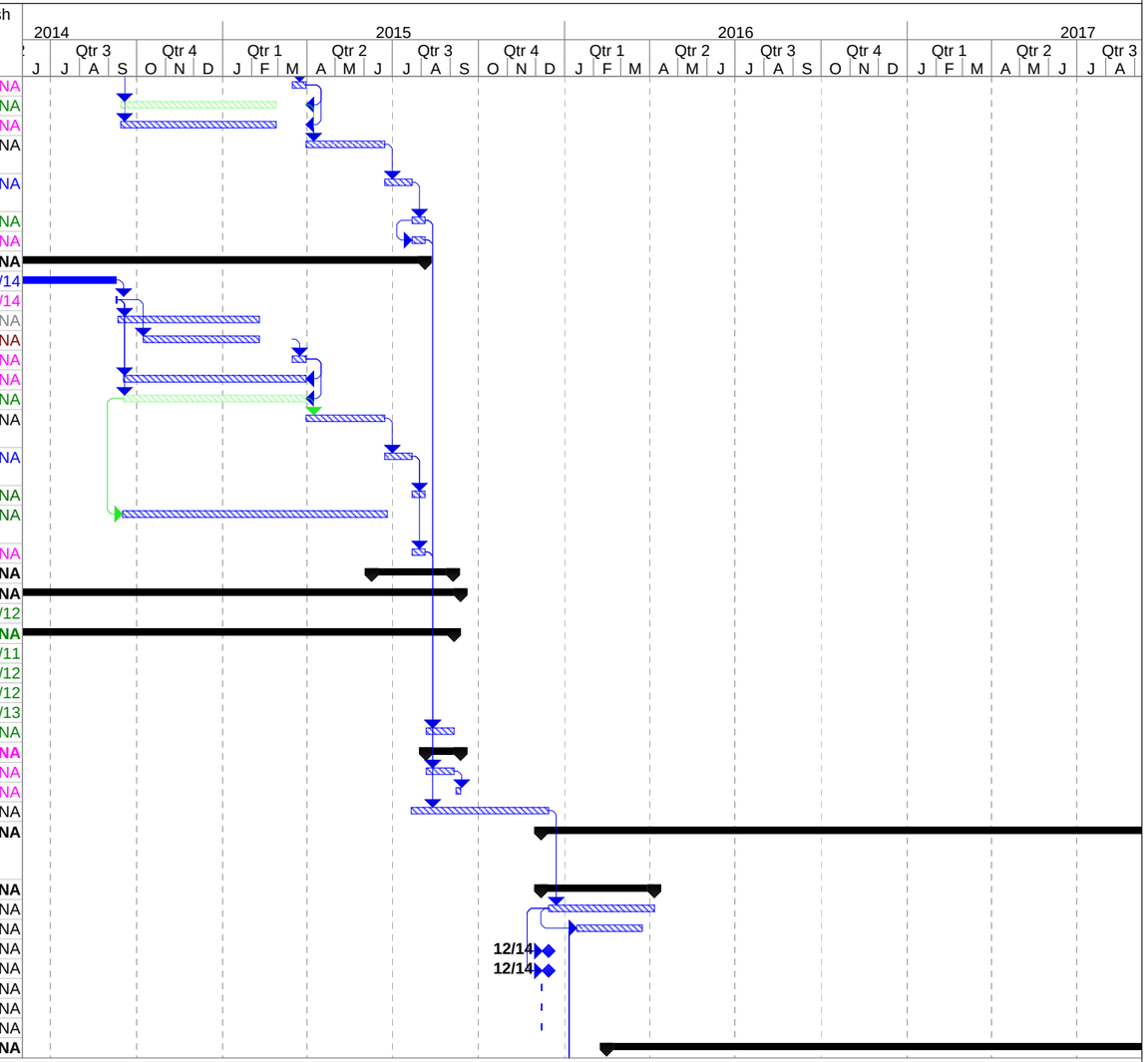
Color Coding:
PG&E Federal Agencies CWG/TWG Public
DTSC Tribes/SHPO Other CA Agencies AZ Agencies

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

HANDOUT 9A - TOPOCK REMEDIATION PROJECT SCHEDULE (REV. 25)
FEBRUARY 18, 2015 CWG MEETING

ID	Task Name	Duration	Forecasted Start	Forecasted Finish	Actual Start	Actual Finish
1560	BLM process after close of comment period	15 edays	Mon 3/16/15	Tue 3/31/15	NA	NA
1561	DTSC review/comment on Final Design Package	202 edays	Wed 9/10/14	Tue 3/31/15	Wed 9/10/14	NA
1562	DOI review/comment on Final Design Package	202 edays	Wed 9/10/14	Tue 3/31/15	Wed 9/10/14	NA
1563	Comments resolution (duration depends on quantity and nature of comment. Duration to be confirmed after discussion of RTC process with stakeholders)	12 wks	Tue 3/31/15	Mon 6/22/15	NA	NA
1564	Prepare/submit Final Design Package (duration to be confirmed after receipt of comments and RTCs)	1 mon	Tue 6/23/15	Tue 7/21/15	NA	NA
1565	DTSC approves design (depending on CEQA review)	2 wks	Wed 7/22/15	Tue 8/4/15	NA	NA
1566	DOI approves design	2 wks	Wed 7/22/15	Tue 8/4/15	NA	NA
1567	**Construction/Remedial Action Work Plan**	**347 days**	**Mon 4/7/14**	**Tue 8/4/15**	**Mon 4/7/14**	**NA**
1568	Prepare/submit Draft Work Plan	5.29 mons	Mon 4/7/14	Mon 9/8/14	Mon 4/7/14	Mon 9/8/14
1569	DOI forward to DTSC/CWG/TWG	1 day	Tue 9/9/14	Tue 9/9/14	Tue 9/9/14	Tue 9/9/14
1570	CWG/TWG review/comment on Draft Work Plan	187 edays	Wed 9/10/14	Mon 3/16/15	Wed 9/10/14	NA
1571	Tribal Consultation on Draft Work Plan	159 edays	Wed 10/8/14	Mon 3/16/15	Wed 10/8/14	NA
1572	BLM process after close of comment period	15 edays	Mon 3/16/15	Tue 3/31/15	NA	NA
1573	DOI review/comment on Draft Work Plan	195.38 edays	Tue 9/16/14	Tue 3/31/15	NA	NA
1574	DTSC review/comment on Draft Work Plan	195.38 edays	Tue 9/16/14	Tue 3/31/15	NA	NA
1575	Comments resolution (duration depends on quantity and nature of comment. Duration to be confirmed after discussion of RTC process with stakeholders)	12 wks	Tue 3/31/15	Mon 6/22/15	NA	NA
1576	Prepare/submit Final Work Plan (duration to be confirmed after receipt of comments and RTCs)	1 mon	Tue 6/23/15	Tue 7/21/15	NA	NA
1577	DTSC approves Final Work Plan (depending on CEQA review)	2 wks	Wed 7/22/15	Tue 8/4/15	NA	NA
1578	CEQA Evaluation of Work Plan (depending on CEQA documentation. To be determined after initiate checklist)	9.65 mons	Tue 9/16/14	Thu 6/25/15	NA	NA
1579	DOI approves Final Work Plan	2 wks	Wed 7/22/15	Tue 8/4/15	NA	NA
1580	**ROWs/Easements/Landowner Agreements/Approvals/Compliance**	**63 days**	**Tue 6/9/15**	**Thu 9/3/15**	**NA**	**NA**
1583	**Community Outreach**	**1027 days**	**Fri 10/7/11**	**Fri 9/11/15**	**Fri 10/7/11**	**NA**
1584	Prepare/Issue Project Update Factsheet	4 mons	Fri 10/7/11	Tue 1/31/12	Fri 10/7/11	Tue 1/31/12
1585	**Community Outreach Activities (State)**	**1022 days**	**Fri 10/7/11**	**Fri 9/4/15**	**Fri 10/7/11**	**NA**
1586	Update mailing list	2.95 mons	Fri 10/7/11	Fri 12/30/11	Fri 10/7/11	Fri 12/30/11
1587	Conduct Community Survey	1.62 mons	Tue 1/31/12	Fri 3/16/12	Tue 1/31/12	Fri 3/16/12
1588	Conduct Community Interview	2 mons	Wed 4/25/12	Thu 6/21/12	Wed 4/25/12	Thu 6/21/12
1589	Prepare/Issue Community Outreach Plan	7.1 mons	Mon 3/19/12	Wed 1/16/13	Mon 3/19/12	Wed 1/16/13
1590	Prepare/Issue factsheet for Corrective Measures Implementation	30 edays	Wed 8/5/15	Fri 9/4/15	NA	NA
1591	**Outreach/Public Participation Activities (Federal)**	**27 days**	**Wed 8/5/15**	**Fri 9/11/15**	**NA**	**NA**
1592	Prepare/issue factsheet for Remedy Implementation	30 edays	Wed 8/5/15	Fri 9/4/15	NA	NA
1593	Open house (Multiple Locations)	1 wk	Mon 9/7/15	Fri 9/11/15	NA	NA
1594	Project Contracting	5 mons	Tue 7/21/15	Mon 12/14/15	NA	NA
1595	**Construction (this is a preliminary construction schedule for planning purposes only. See Section 3, Construction Approaches and Sequencing, of the Construction/Remedial Action Work Plan for details)**	**1017.5 days**	**Mon 12/7/15**	**Wed 10/30/19**	**NA**	**NA**
1596	**Pre-Construction**	**87 days**	**Mon 12/7/15**	**Tue 4/5/16**	**NA**	**NA**
1597	Mobilization	113 edays	Mon 12/14/15	Tue 4/5/16	NA	NA
1598	Site Preparation	70 edays	Wed 1/13/16	Wed 3/23/16	NA	NA
1599	Stakeholder Attending Kick-Off Meeting at Site	0 days	Mon 12/14/15	Mon 12/14/15	NA	NA
1600	Stakeholder Attending Kick-Off Meeting at Site	0 days	Mon 12/14/15	Mon 12/14/15	NA	NA
1601	Stakeholder Attending Kick-Off Meeting at Site	1 day	Mon 12/7/15	Mon 12/7/15	NA	NA
1602	Stakeholder Attending Kick-Off Meeting at Site	1 day	Mon 12/7/15	Mon 12/7/15	NA	NA
1603	Stakeholder Attending Kick-Off Meeting at Site	1 day	Mon 12/7/15	Mon 12/7/15	NA	NA
1604	**Construction Activities**	**941.8 days**	**Mon 2/15/16**	**Tue 9/24/19**	**NA**	**NA**



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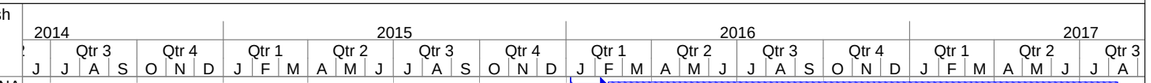
1605	Pipelines/Access Pathways Installation	18.5 mons	Mon 2/15/16	Thu 8/10/17	NA	NA
1606	Remediation and Monitoring Wells Installation	19 mons	Mon 3/14/16	Thu 9/21/17	NA	NA
1607	Vertical Structures Installation	28 mons	Mon 2/15/16	Wed 5/16/18	NA	NA
1608	Commissioning	8.5 mons	Wed 11/22/17	Mon 7/30/18	NA	NA
1609	Construction Closeout	14.3 mons	Tue 7/31/18	Tue 9/24/19	NA	NA
1610	**Reporting**	**934.5 days**	**Thu 3/31/16**	**Wed 10/30/19**	**NA**	**NA**
1611	Prepare/submit monthly construction progress reports	44.5 mons	Thu 3/31/16	Wed 10/30/19	NA	NA
1612	**Startup**	**316 days**	**Mon 7/30/18**	**Tue 10/15/19**	**NA**	**NA**
1613	Shutdown IM extraction/treatment/injection	1 day	Mon 7/30/18	Tue 7/31/18	NA	NA
1614	Inject carbon/build NTH IRZ (6-12mons)	12 mons	Tue 7/31/18	Thu 7/18/19	NA	NA
1615	Inject freshwater(3-6mons)	6 mons	Wed 1/23/19	Thu 7/18/19	NA	NA
1616	Activate Inner recirculation loop (3-6mons)	6 mons	Mon 4/22/19	Tue 10/15/19	NA	NA
1617	Activate TCS recirculation loop (3-6mons)	6 mons	Mon 4/22/19	Tue 10/15/19	NA	NA
1618	Startup complete/start full remedy operations	0 days	Tue 10/15/19	Tue 10/15/19	NA	NA
1619	Start Operation and Maintenance	0 days	Tue 10/15/19	Tue 10/15/19	NA	NA



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