

Handout 7B
Schedule Highlights
Summary of Key Schedule Changes

CWG Meeting
March 16, 2011

Schedule Highlights

Groundwater Remedy Decision

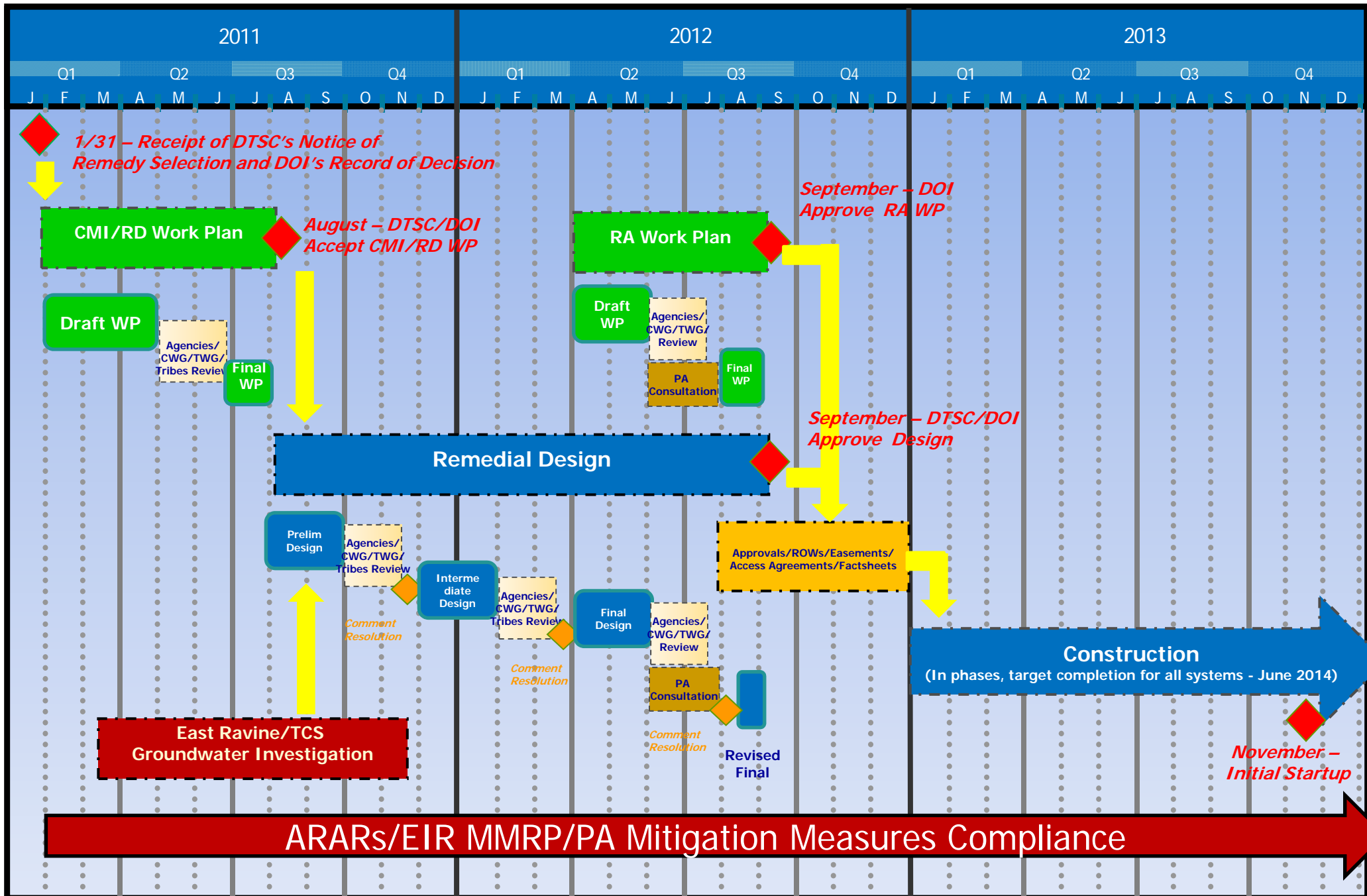
- State

- ✓ **January 31, 2011** - Certified Final EIR and issued decision package (Statement of Decision, Resolution of Approval, and Final Statement of Basis)
- ✓ **January 31, 2011** – Notified PG&E of DTSC's selection of Alternative E as the groundwater remedy, subject to mitigation measures and conditions of approval
 - ✓ Directed PG&E to submit the Corrective Measure Implementation Work Plan within 90 days

- Federal

- ✓ **January 20, 2011** – Signed Record of Decision, selected Alternative E as the remedy

Topock Remediation Project Groundwater Remedy Design and Construction (2011-2013)



Timeline for CMI/RD Work Plan

- Corrective Measure Implementation/Remedial Design (CMI/RD) Work Plan
 - ✓ PG&E submits draft work plan - May 2
 - ✓ 30-day Review Period - May 5 through June 4
 - ✓ Agencies provide comments/direction to PG&E – June 19
 - ✓ PG&E submits final work plan – July 18
 - ✓ Agencies review/accept work plan – August 1

East Ravine Phase 2/Compressor Station Wells Activities

- Field implementation
 - ✓ Start March 16, 2011
- Completion of drilling at primary sites
 - ✓ Summer 2011
- Completion report
 - ✓ Fall 2011

Key Soil Activities

- Soil RFI/RI Work Plan
 - ✓ PG&E submits draft work plan – May 6
 - ✓ Agencies/CWG/TWG review (30 days) – May 11 through June 10
 - ✓ Consultation (55 days) – May 11 through July 5
 - ✓ PG&E provides response to comments – August 5
 - ✓ Agencies review response to comments – August 8 through September 2
 - ✓ Agencies approve Work Plan – September 5
- Field Implementation
 - ✓ Start – Fall 2011

Summary of Key Schedule Changes

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Summary of Key Schedule Changes since August 15, 2007 (Rev. 11)

March 2011 changes highlighted in Yellow – changes are from October 5, 2010

Activities	Forecast Schedule Deviation	Key Reasons
Groundwater		
East Ravine Groundwater Investigation Phase 2/ Compressor Station Wells Work Plan Addendum and Approvals (Lines 556-572)	<ul style="list-style-type: none"> • FF 10/13/2010 (Rev. 8). • FF 11/26/2010 (Rev. 9). • FF 1/20/2011 (Rev. 10). • AF 2/24/2011 (Rev. 11). 	<ul style="list-style-type: none"> • Anticipate agencies' direction on well locations on June 2, 2010 (after 4/15 TWG meeting). • Received agencies' direction on well locations on July 28, 2010. • Submitted Final Revised Work Plan Addendum on December 31, 2010. • Received DOI's approval of the Work Plan Addendum for implementation on 2/4/2011. • Received DTSC's approval of the Work Plan Addendum on 2/24/2011.
East Ravine Groundwater Investigation Phase 2/ Compressor Station Wells Field Implementation (Lines 573-579)	<ul style="list-style-type: none"> • FF 12/2/2011 for field implementation (Rev. 9). • FF 1/27/2012 for field implementation (Rev. 10). • FF 10/31/2011 for field implementation/reporting of primary sites (Rev. 11). 	<ul style="list-style-type: none"> • Duration of field work will be verified after receipt of work plan approval.
Remedy Selection/ Statement of Basis (Lines 1200-1205)	<ul style="list-style-type: none"> • DTSC approval of Final Remedy – delay FF from 2/14/2010 to 8/27/2010 (6 mos) (Rev. 3). • Schedule adjusted to reflect the change in CMS/FS schedule. DTSC approval of Final Remedy is 1/22/2010 (Rev. 4). • Extend FF from 1/22 to 2/12/2010 (Rev. 5). • Extend FF from 2/12 to 6/15/2010 (Rev. 6). • Extend FF from 6/15/2010 to 10/18/2010 (Rev. 7). • Extend FF from 10/18 to 11/8/2010 (Rev. 8). 	<ul style="list-style-type: none"> • Public notice package delay due to cascading delay from CMS/FS Groundwater. • Extension of DTSC approval of Final Remedy due to: a) cascading delay from CMS/FS Groundwater, b) the new DTSC-requested FF linkage from Public Review of Draft EIR to Public Notice/Comment Period of Statement of Basis; also increase duration of review period from 45 edays to 60 edays, and c) the new DTSC-requested FF linkage from DTSC approval of Final Remedy to Final EIR certified. • Cascading delay from CMS/FS (due to delay in RA). • Cascading delay from Groundwater CMS/FS. • Align timeframe for public comment/public notice of Statement of Basis and the Draft EIR. • Delay start of public comment period from 4/27 to 6/4, and reduce the duration from 60 to 45 calendar days.

<p>NOP and Scoping/ Program EIR/NOD Filing (Lines 1287-1337)</p>	<ul style="list-style-type: none"> • AF 1/31/2011 (Rev. 11). • Extend NOD from 4/20/2009 to 8/27/2010. • Extend NOD filing date to 9/28/2010. • Schedule adjusted to reflect the change in CMS/FS schedule. NOD filing date is 1/22/2010 (Rev. 4). • Extend FF from 1/22 to 2/12/2010 (Rev. 5). • Extend FF from 2/12 to 6/15/2010 (Rev. 6). • Extend FF from 6/15 to 10/18/2010 (Rev. 7). • Extend FF from 10/18 to 11/8/2010 (Rev. 8). • AF 1/31/2011 (Rev. 11). 	<ul style="list-style-type: none"> • Extension of NOD due to: a) cascading delay from CMS/FS Groundwater, b) the new DTSC-requested FF linkage from Public Review of Draft EIR to Public Notice/Comment Period of Statement of Basis; also increase duration of review period from 45 edays to 60 edays, and c) the new DTSC-requested FF linkage from DTSC approval of Final Remedy to Final EIR certified. • Change selected links between tasks for Draft EIR - does not impact completion dates. • Cascading delay from Approval of Final Remedy. • Adjust Draft EIR timeframe to reflect revised CMS/FS schedule and coordination with the development of the Statement of Basis. • Set public comment period as 4/27/2010 to 6/27/2010. • Reduce the duration of Final EIR from 101.5 to 80.4 work days. • Delay start of public comment period from 4/27 to 6/4, and reduce the duration from 60 to 45 calendar days. Provide Advanced Draft EIR to Tribes and TLP on 4/27/10.
<p>Proposed Plan/ROD (Lines 1215-1224)</p>	<ul style="list-style-type: none"> • Delay FF from 4/15/10 to 6/17/10 (Rev. 2) • Extend FF from 6/17 to 7/21/2010. • Schedule adjusted to reflect the change in CMS/FS schedule. ROD issuance date is 12/5/2009 (Rev. 4). • Extend FF from 12/5 to 1/25/2010 (Rev. 5). • Extend FF from 1/25/2010 to 6/16/2010 (4+ months) (Rev. 6). • Extend FF from 6/16 to 11/30/2010 (Rev. 7). • AF 1/20/2011 (Rev. 11). 	<ul style="list-style-type: none"> • Cascading delay from CMS/FS (due to delay in RA). • Revise the "Tribal review/comment period" step to "Tribal Consultation (Section 106) followed by SHPO Consultation (Section 106)". • Cascading delay from Groundwater CMS/FS. • Synchronized DTSC and DOI public review/comment period on the Statement of Basis and the Proposal Plan (increased DOI's duration from 45edays to 60edays). Added a 30-days response to public comments period on the Proposed Plan. • Increased the duration of DOI Approval Process for ROD from 60 to 90edays. • Cascading delay from CMS/FS. • Align timeframe for public comment of Proposed Plan and Statement of Basis/Draft EIR. • Delay start of public comment period from 4/27 to 6/4, and reduce the duration from 60 to 45 calendar days. • Start Tribal Consultation on 3/12. • Reduce DOI approval process from 90 to 74 calendar days.
<p>Section 106 Programmatic Agreement</p>	<ul style="list-style-type: none"> • FF 9/15/2010 (Rev. 7). • FF 10/19/2010 (Rev. 9). 	<ul style="list-style-type: none"> • The Draft PA schedule is under development and is subject to change pending discussion with Consulting Parties.

(Lines 1237-1257)	<ul style="list-style-type: none"> FF 11/10/2010 (Rev. 10). AF 10/26/2010 (Rev. 11). 	<ul style="list-style-type: none"> Reflect delay in Draft PA from 5/15 to 6/19/2010. Reflect an extension (from August 30 to September 10, 2010) for Consulting Parties to review/comment on Final Draft PA.
Key PA Stipulations (Lines 1258-1266)	<ul style="list-style-type: none"> See Rainbow schedule (Rev. 11). 	
Corrective Measure Implementation/Remedial Design (CMI/RD) Work Plan - Draft, Final, and Work Plan Acceptance (Lines 1354-1364)	<ul style="list-style-type: none"> FF 8/1/2011 (Rev. 11). 	<ul style="list-style-type: none"> Per the Consent Agreement, the Draft Work Plan is due 90 days after receipt of DTSC's selection of the final remedy. The due date for the Draft Work Plan is May 2, 2011.
Remedial Design and Approvals - Preliminary/Intermediate/Final Design (Lines 1365-1392)	<ul style="list-style-type: none"> FF 9/24/2012 (Rev. 11). 	
Remedial Action (RA) Work Plan (Lines 1393-1401)	<ul style="list-style-type: none"> FF 9/24/2012 (Rev. 11). 	
Right of Ways/Easements/Landowner Agreements/Other Approvals/Compliance/Outreach (Lines 1402-1408)	<ul style="list-style-type: none"> FF 12/28/2012 (Rev. 11). 	
Construction/Startup (Lines 1409-1414)	<ul style="list-style-type: none"> FF for construction 6/18/2014 (Rev. 11). FF for initial startup 11/29/2013 (Rev. 11). 	
Soil		
Part A data gaps evaluation	<ul style="list-style-type: none"> Extend FF from 7/31/08 to 9/15/09 (Rev. 1) 	<ul style="list-style-type: none"> Site kick-off meeting - August 21, 2008. Add DTSC/DOI review/concurrence on the approach in the Soil

(Lines 764-774)

- Extend FF from 9/15/08 to 11/24/08 (Rev. 2)
- Extend FF to 3/11/09 (Rev. 3).
- Extend FF from 3/11/09 to 4/30/09 (Rev. 5).
- Extend FF from 4/30 to 11/5/09 (Rev. 6).
- Extend FF from 11/5/09 to 6/9/10 (Rev. 7).
- Extend FF from 6/9/10 to 11/25/10 (Rev. 8).
- Reduce FF from 11/25/10 to 11/15/10 (Rev. 9).
- Reduce FF from 11/15/10 to 11/12/10 (Rev. 10).
- AF 2/25/2011 (Rev. 11).

- Background Technical Memorandum (duration of 2 weeks).
- Field implementation – FF was 10/9/08, AF was 10/23/08 (2 wks extension due to field conditions encountered at AOC-4 requiring additional discussion with agencies). In addition, 2 wks extension in laboratory analysis of soil background samples due to matrix issues.
 - Added details for TM#4 – agency review/approvals of screening values for organic COPECs.
 - Added Tribal review/comment of Soil Background TM.
 - Extend FF for TM#4 from 1/9 to 1/19/09 and add DQO documentation and stakeholder review/agencies approval process. These two factors add about 2-3 weeks to the overall Part A Data Gaps Evaluation schedule (discussed at January 7 RCRA/CERCLA meeting).
 - Schedule extension reflected additional review time for soil tech memos (lower priority than groundwater) and adding time for response to comments for Soil Background TM and ECV TM#4.
 - Received agencies concurrence on Soil Background TM (5/12/09) and ECV TM#4.
 - DTSC provided comments on soil DQO TM (8/14/09).
 - Add time to resolve DQO TM comments related to risk assessment (anticipate completion early November, lower priority than GWRA).
 - Modify Data Gaps Evaluation process as follows:
 - Add time for agencies/tribes to review data gaps evaluation packages for each AOC (include maps, tables, and if applicable, proposed Phase 2 locations/rationale).
 - After receipt of comments, PG&E will prepare/submit RTCs.
 - Add Comments Resolution meeting after agencies/Tribes review RTCs.
 - After comments resolution is complete, PG&E prepares/submits Data Gaps Evaluation Tech Memo (incorporate resolved comments).
 - Agencies review/concur with Tech Memo.
 - Add time for agency review of Draft Part A DQO Tech Memo.
 - Add time for PG&E to revise Part A DQO Tech Memo.
 - Adjust schedule to reflect State of CA furlough ending 6/1/2010.
 - Add time to prepare/submit Data Summary Report (DQO steps 6-7), and time for meeting to discuss with Tribes/Stakeholders.
 - Modify the Part A data gaps evaluation process (DQO Steps 6-7) to maximize early inputs from Tribes/Stakeholders. The modified process is envisioned to include several working sessions between agencies, Tribes/Stakeholders, and PG&E over a 6-week period. The goal of the

		<p>working sessions is to go over the data and discuss any potential data gaps (areas where more investigation is needed). Adjustments to the process will be made as needed based on participants' inputs and feedback.</p> <ul style="list-style-type: none"> • DTSC sent the Draft Data Gaps Evaluation Report to CWG/TWG 2 days early. • Two 2-day working sessions to discuss Soil Part A Data Gaps Evaluation were held at PG&E Compressor Station on October 6-7, 2010 and November 2-3, 2010. FMIT and Hualapai Tribes provided comments in November and December 2010, respectively. • Agencies met with Tribes in a follow-up meeting on December 7, 2010. • Agencies, Tribes, and PG&E met in a follow-up meeting on January 13, 2011. • Agencies issued additional direction to PG&E on Soil Part A evaluation on February 25, 2011.
<p>Part B DQO, Soil RFI/RI Work Plan (Draft, Final, and Work Plan Approvals) (Lines 803-845)</p>	<ul style="list-style-type: none"> • Extend FF by 1.5 mos. • Extend FF by 2 weeks • Submitted Response to Comments on 5/5/08. • Submitted letter on Part B phasing on 7/17/08. In agencies review (Rev. 4). • PG&E submitted details on approach to Part B Phase 1 on 9/30/08. In agencies review (Rev. 5). Part B is on hold until agencies complete this review (Rev. 6). • Extend FF to 12/1/2011 (Rev. 7). • Reduce FF to 1/19/2011 (Rev. 8). • Extend FF to 5/25/2011 (Rev. 9). • Extend FF to 7/28/2011 (Rev. 10). • FF 8/31/2011 (Rev. 11). 	<ul style="list-style-type: none"> • 1 month due to DQO discussion and past data evaluation. • 0.5 month due to incorporation of perimeter sampling walk/ verification. • Additional time for agency review of Part B Work Plan. • DTSC completed review of Part B Phase 1 proposal (7/2/09), issued request letter to PG&E. • PG&E responded to DTSC's 7/2/09 letter (8/14/09). • PG&E received DTSC's final direction on Part B (10/5/09), to resume Part B activities in February 2010. • Added time for agency review and direct on conflicting comments on Draft Part B Work Plan. • Adjusted schedule to reflect State of CA furlough ending 6/1/2010. • Align the start of Section 106 Consultation with the start of stakeholders/ agencies review of Final Part B Work Plan. • Added time for preparation/submittal/concurrence with Draft DQO TM. • Added time for preparation/submittal of Draft DQO TM. • Adjusted time for revision of Draft Part B DQO TM, combination of Part A and Part B into one Work Plan, and reflection of PA consultation (55 calendar days).
<p>RFI/RI Vol. 3/Risk Assessment-Soil/CMS/FS-Soil</p>	<ul style="list-style-type: none"> • Extend FF for CMS/FS from 11/10/11 to 2/21/12 (Rev. 2) • Extend FF for CMS/FS from 2/21/12 to 7/3/2012 (Rev. 3). 	<ul style="list-style-type: none"> • Approx. 2 months due to cascading delay from Part A Phase 1 workplan/ approval/permitting. • 1 month from adding a link between tribal review of CMS/FS and PG&E response to comments.

	<ul style="list-style-type: none"> • Extend FF from 7/3 to 8/21/2012 (Rev. 5). • Extend FF from 8/12 to 2/15/2013 (Rev. 6). • Extend FF from 2/15/2013 to 12/4/2013 (Rev. 7). • Extend FF from 12/4/2013 to 5/16/2014 (Rev. 8). • Reduce FF to 5/14/2014 (Rev. 9). • Extend FF to 5/23/2014 (Rev. 10). • FF 5/21/2014 (Rev. 11). 	<ul style="list-style-type: none"> • Cascading delay from Part A approval. • Cascading delay from Part A Phase 1 data gaps evaluation. • Revise the Soil CMS/FS steps to mirror the Groundwater CMS/FS steps <ul style="list-style-type: none"> • E.g., discussion draft, draft, resolution to comments, final. • Use the duration of the Groundwater CMS/FS steps as placeholders. • Keep the sequential order of RFI/RI and Risk before CMS/FS. • Reflect revised Part A and B schedule. • Added time for “Prepare Response to Comments” before CMS/FS comments resolution. • Reflect revised soil work plan schedule.
Public Notice/Statement of Basis/Supplemental EIR	<ul style="list-style-type: none"> • Extend NOD from 12/13/2011 to 7/27/2012 • Extend NOD from 7/27/12 to 12/7/2012 (Rev. 3). • Extend NOD from 12/7 to 1/25/2013 (Rev. 5). • Extend NOD from 1/25 to 7/22/2013 (Rev. 6). • Extend NOD from 7/22/2013 to 5/8/2014 (Rev. 7). • Extend NOD from 5/8/2014 to 11/20/2014 (Rev. 8). • Reduce NOD to 11/16/2014 (Rev. 9). • Extend NOD to 10/27/2014 (Rev. 10). • NOD filing to 10/2/2014 (Rev. 11). 	<ul style="list-style-type: none"> • Cascading delay from CMS/FS Soil • Addition of links from a) Supplemental EIR public comment to Statement of Basis public comment and b) Supplemental EIR certification to DTSC approval of Soil Remedy. • Cascading delay from CMS/FS Soil. • Reflect revised soil work plan schedule.
Proposed Plan/ROD	<ul style="list-style-type: none"> • Extend FF from 5/26/2012 to 9/6/2012 • Extend FF from 9/6 to 1/17/2013. • Extend FF from 1/17 (Rev. 4) to 3/7/2013 (Rev. 5). • Extend FF from 3/7 to 11/20/2013 (Rev. 6). 	<ul style="list-style-type: none"> • Cascading delay from CMS/FS Soil. • Increased the duration of DOI Approval Process for ROD from 60 to 90edays. • Reflect revised soil work plan schedule.

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| | <ul style="list-style-type: none">• Extend FF from 11/20/2013 to 9/8/2014 (Rev. 7).• Extend FF from 9/8/2014 to 02/18/2015 (Rev. 8).• Reduce FF to 2/16/2015 (Rev. 9).• Extend FF to 2/25/2015 (Rev. 10).• FF to 2/23/2015 (Rev. 11). | |
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