

Handout 9B
Schedule Highlights
Summary of Key Schedule Changes

Consultative Work Group Meeting
July 17, 2013

Schedule Highlights

Groundwater Remedy Design

- Met with the Water Boards on April 25, 2013 on the need for treatment of HNWR-1 water – awaiting decision from State Board
- Intermediate (60%) Design
 - ✓ PG&E submitted intermediate design – 4/5/13
 - ✓ Site visit to facilitate review – 4/18/13
 - ✓ Stakeholders review – 4/9 to 8/8/13
 - ✓ Tribal consultation - 4/25 to 8/8/13
 - ✓ Agencies provide comments/direction to PG&E – 8/23/13
 - ✓ Comments resolution – 8/8 through 12/18/13

Groundwater Remedy Design

- **Alternative Fresh Water Source Implementation Plan**

- ✓ PG&E submitted Implementation Plan – 11/20/12
- ✓ Tribal Consultation – 11/21/12 to 1/9/13
- ✓ CWG/TWG review/comment – 11/21 to 12/17/12
- ✓ DTSC review/comment – 11/21 to 12/21/12
- ✓ DOI review/comment – 11/21/12 to 1/9/13
- ✓ **Response to Comments (RTCs)/Comment Resolution**
 - Agencies/PG&E resolve comments – 1/3 to 1/11/13
 - Submitted Revised Implementation Plan including RTCs – 1/28/13
 - Consultation meeting with Tribes – 3/13/13
 - DOI issued direction to PG&E – 3/26/13
 - Prepare/submit RTCs – 3/27 to 5/2/13
 - Meeting to discuss RTCs – 5/14/13, 5/21/13
 - Completion of Comment Resolution – 5/31/13
 - Submit Final Implementation Plan – 7/19/13 (redline to DTSC/DOI)
- ✓ **CEQA Review** – 11/16/12 to early August
- ✓ **DTSC/DOI approve Implementation Plan** – anticipated mid August

Groundwater Remedy Design

- Implementation of Alternative Fresh Water Source Evaluation
 - ✓ Field Implementation – 8/13 through 11/12/13 (est.)
- Addendum to Intermediate (60%) Design
 - ✓ DTSC's direction to PG&E – eliminate 60% addendum due to anticipated schedule to begin 90% design from completion of freshwater evaluation. PG&E will prepare a technical memorandum (summarize freshwater results & describe piping/infrastructure associated with freshwater conceptually), findings will be used in 90% design.

Soil Activities

- Soil RFI/RI Work Plan schedule to be updated at October 16, 2013 CWG

Soil Activities

- Addendum to RFI/RI Volume 1 Report
 - ✓ PG&E submitted draft report - 3/26/13
 - ✓ CWG/TWG/Tribes review – 4/9 to 9/9/13
 - ✓ Agencies review – 4/9 to 9/9/13
 - ✓ RTCs/Comment Resolution – 9/9 to 12/3/13
 - ✓ Submit final report – target December 2013
 - ✓ Agencies approval – anticipated January 2014

Risk Assessment Work Plan (RAWP) Addendum II

- Submit RAWP Addendum II TM: 1/25/13
 - ✓ CWG/TWG/Tribes/Agencies review TMs: 1/30 – 4/30/13
 - ✓ Prepare/submit RTCs: 5/1 – 6/12/13
 - ✓ DTSC send RTCs to Tribes – 6/24/13
 - ✓ Scoping meetings to finalize scope for RAWP Addendum II: 6/25 – 8/28/13 (dates to be confirmed)
- Submit Draft RAWP Addendum II: Target Jan 2014
- Submit Final RAWP Addendum II: Target June 2014
 - ✓ Agencies approval – anticipated July 2014

Summary of Key Schedule Changes

Handout 9B

Summary of Key Schedule Changes since August 15, 2007 (Rev. 19)

July 17, 2013 changes highlighted in Yellow – changes are from April 17, 2013

Activities	Forecast Schedule Deviation	Key Reasons
Groundwater		
Intermediate (60%) Design (through Comment Resolution) (Lines 1440-1454)	<ul style="list-style-type: none"> • FF 3/30/2011 (Rev. 11) • FF 4/9/2011 (Rev. 12) • FF 6/14/2012 (Rev. 13) • FF 8/9/2012 (Rev. 14) • FF 12/11/12 (Rev. 15) • FF 06/28/2013 (Rev. 16) • FF 10/1/2013 (Rev. 17) • FF 12/18/2013 (Rev. 19) 	<ul style="list-style-type: none"> • Cascading extension of schedule from Preliminary (30%) Design. • Additional time to incorporate comments and prepare 60% Design. • Extend duration for CWG/TWG review from 30 to 60 calendar days. • Extend duration for Tribal Consultation from 30 to 60 calendar days. • Extend duration of DTSC/DOI review from 45 to 75 calendar days. • Adjusted schedule to allow for additional time to evaluate freshwater options that do not require arsenic treatment. • Schedule reflected DTSC's directive in the 12/31/2012 letter. • Updated the RTC process per the 10/16/12 meeting. • Extend duration to reflect: a) a request for a 45-day extension for review and comment on the 60% design, b) additional time for meetings to discuss response to comments from 1 day to 1 week, and c) additional step for PG&E to finalize and resubmit RTCs.
Implementation of Alternative Freshwater Source Evaluation including CEQA Review (Lines 1456-1483)	<ul style="list-style-type: none"> • FF 6/7/2013 (Rev. 17) • FF 8/7/2013 (Rev. 18) • FF 11/12/2013 (Rev. 19) 	<ul style="list-style-type: none"> • Schedule reflected additional time for consultation, response to comments, and finalizing the Implementation Plan. • Extend duration to reflect timing for responding to comments, finalizing the Final Implementation Plan, State CEQA review, and Agencies approval.
Addendum to Intermediate (60%) Design (through Comment Resolution)	<ul style="list-style-type: none"> • FF 10/29/2013 (Rev. 17) • FF 1/8/2014 (Rev. 18) • Remove 60% Design Addendum, add Technical Memorandum (Rev. 19) 	<ul style="list-style-type: none"> • Schedule reflected DTSC's directive in the 12/31/2012 letter • Schedule reflected implementation of the Alternative Freshwater Source Evaluation Plan, including the Groundwater EIR Addendum. • Schedule reflected additional time required for comment resolution, consultation, including RTCs and finalize the Implementation Plan. • At DTSC's direction, this step was removed from the schedule to allow for the 90% design to move forward expeditiously. PG&E will submit a Technical Memorandum to summarize the freshwater studies results and describing conceptually the piping and infrastructure associated with the freshwater source. The result of the field work will be included in the 90% design. DTSC and DOI will provide direction to PG&E on the freshwater

		source after receipt of the Technical Memorandum (target 1/24/14).
Pre-Final (90%)/Final (100%) Design (through Approvals) (Lines 1487-1498)	<ul style="list-style-type: none"> • FF 9/24/2012 (Rev. 11) • FF 10/2/2012 (Rev. 12) • FF 11/30/2012 (Rev. 13) • FF 1/29/2013 (Rev. 14) • FF 7/2/2013 (Rev. 15) • FF 1/20/2014 (Rev. 16) • FF 5/22/2014 (Rev. 17) • FF 9/8/2014 (Rev. 18) • FF 10/7/2014 (Rev. 19) 	<ul style="list-style-type: none"> • Cascading extension of schedule from Preliminary (30%) Design. • Extend duration for CWG/TWG review from 30 to 60 calendar days. • Extend duration for Tribal Consultation from 30 to 60 calendar days. • Extend duration of DTSC/DOI review from 45 to 75 calendar days. • Cascading changes from Intermediate (60%) Design and 60% Design Addendum.
Construction/Remedial Action Work Plan (through Approvals) (Lines 1499-1510)	<ul style="list-style-type: none"> • FF 9/24/2012 (Rev. 11) • FF 10/2/2012 (Rev. 12) • FF 11/30/2012 (Rev. 13) • FF 1/29/2013 (Rev. 14) • FF 7/2/2013 (Rev. 15) • FF 1/20/2014 (Rev. 16) • FF 5/22/2014 (Rev. 17) • FF 9/8/2014 (Rev. 18) • FF 10/7/2014 (Rev. 19) 	<ul style="list-style-type: none"> • Cascading extension of schedule from Preliminary (30%) Design. • Extend duration for CWG/TWG review from 30 to 60 calendar days. • Extend duration for Tribal Consultation from 30 to 60 calendar days. • Extend duration of DTSC/DOI review from 45 to 75 calendar days. • Cascading changes from Intermediate (60%) Design and 60% Design Addendum.
Right of Ways/Easements/Landowner Agreements/Other Approvals/Compliance/Community Outreach (Lines 1511-1527)	<ul style="list-style-type: none"> • FF 12/28/2012 (Rev. 11) • FF 1/7/2013 (Rev. 12) • FF 2/27/2013 (Rev. 13) • FF 4/15/2013 (Rev. 14) • FF 9/13/2013 (Rev. 15) • FF 2/21/2014 (Rev. 16) • FF 6/23/2014 (Rev. 17) • FF 10/10/2014 (Rev. 18) • FF 11/10/2014 (Rev. 19) 	<ul style="list-style-type: none"> • Cascading extension of schedule from Preliminary (30%) Design. • Cascading extension of schedule from Intermediate (60%) Design. • Added details on community outreach activities – State/Federal. • Cascading changes from Intermediate (60%) Design and 60% Design Addendum.
Construction (Lines 1528-1543)	FF for completion of construction <ul style="list-style-type: none"> • 6/18/2014 (Rev. 11) • 6/26/2014 (Rev. 12) • 8/18/2014 (Rev. 13) • 9/29/2014 (Rev. 14) • 2/26/2015 (Rev. 15) • 9/17/2015 (Rev. 16) • 12/4/2015 (Rev. 17) • 9/16/2016 (Rev. 18) • 10/17/2016 (Rev. 19) 	<ul style="list-style-type: none"> • Cascading extension of schedule from Preliminary (30%) Design. • Cascading extension of schedule from Intermediate (60%) Design Addendum. • Added high level details on construction activities at 60% design stage. • Cascading changes from Intermediate (60%) Design and 60% Design Addendum.

<p>Start-up (Lines 1549-1556)</p>	<p>FF for completion of startup</p> <ul style="list-style-type: none"> • 12/14/2015 (Rev. 14) • 5/13/2016 (Rev. 15) • 12/2/2016 (Rev. 16) • 2/20/2017 (Rev. 17) • 11/23/2017 (Rev. 18) • 1/2/2018 (Rev. 19) 	<ul style="list-style-type: none"> • Cascading extension of schedule from the above items. • Cascading changes from Intermediate (60%) Design and 60% Design Addendum.
<p>Soil (next update to soil schedule will be at the October 16, 2013 CWG Meeting)</p>		
<p>RFI/RI Volume 1 Addendum (Lines 287-308)</p>	<ul style="list-style-type: none"> • FF 11/12/13 (Rev. 18) 	
<p>Soil RFI/RI Work Plan (Draft, Final, and Work Plan Approvals including CEQA review) (Lines 824-884)</p>	<ul style="list-style-type: none"> • Extend FF by 1.5 mos. • Extend FF by 2 weeks • Submitted RTCs on 5/5/08 • Submitted letter on Part B phasing on 7/17/08. In agencies review (Rev. 4) • 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) • FF 12/6/2011 (Rev. 12) • FF 3/1/2012 (Rev. 13) • FF 5/11/2012 (Rev. 14) • FF 9/6/2012 (Rev. 15) • FF 10/31/2012 (Rev. 16) • FF 9/13/2013 (Rev. 17) • FF 1/24/14 (Rev. 18) 	<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). • Adjusted schedule to reflect additional time for Tribal consultation (total of 55 calendar days), followed by SHPO consultation (assume 30 calendar days). • Adjusted schedule to reflect the comment resolution period, including time for site visits requested by DTSC and the Tribes. • Schedule extension reflected additional time for comment resolution. • Schedule extension also reflected additional time for revising work plan to incorporate responses to comments. • Additional two weeks for CWG/TWG/Tribes to review responses to

		<p>comments.</p> <ul style="list-style-type: none"> • TWG meeting to discuss responses to comments. • Added approx. 4 weeks for comment resolution. • The current anticipated approval date for the Final Soil RFI/RI Work Plan is an estimate and is pending CEQA review. • Adjusted schedule to reflect additional time required to respond to DTSC's comments on the September 2012 Work Plan and to revise the Work Plan. • Adjusted schedule to include the Soil EIR and to reflect the new agency approval date for the Soil Work Plan. • Additional time required for Tribal discussion on mitigation measures (Soil EIR). • Additional time required for survey and reporting of historical/archaeological sites in the Soil EIR Project Area. Additional time to incorporate the survey information into the Soil EIR.
<p>Work Plan Implementation/ Data Analysis (Lines 885 - 893)</p>	<ul style="list-style-type: none"> • FF 8/16/2013 (Rev. 15) • FF 10/24/2013 (Rev. 16) • FF 9/8/2014 (Rev. 17) • FF 1/19/2015 (Rev. 18) 	<ul style="list-style-type: none"> • Adjusted schedule to reflect current anticipated approval date and scope of the Final Soil RFI/RI Work Plan.
<p>RFI/RI Vol. 3 Reporting (Draft, RTCs, Final, Approvals) (Lines 894 - 909)</p>	<ul style="list-style-type: none"> • FF 7/8/2014 (Rev. 15) • FF 10/1/2014 (Rev. 16) • FF 8/18/2015 (Rev. 17) • FF 12/29/2015 (Rev. 18) 	<ul style="list-style-type: none"> • Adjusted schedule to reflect current anticipated approval date and scope of the Final Soil RFI/RI Work Plan.
<p>Risk Assessment Work Plan Addendum II (through Approvals) (Lines 1121-1141)</p>	<ul style="list-style-type: none"> • FF 1/24/2014 (Rev. 16) • FF 3/12/2014 (Rev. 17) • FF 5/11/2014 (Rev. 18) 	<ul style="list-style-type: none"> • Adjusted schedule to reflect the additional time required for review/comment on the proposed changes to the RAWP and the Arrowweed tech memo.
<p>Risk Assessment (through Approvals) (Lines 1159 - 1174)</p>	<ul style="list-style-type: none"> • FF 7/22/2015 (Rev. 16) • FF 6/7/2016 (Rev. 17) • FF 10/18/2016 (Rev. 18) 	<ul style="list-style-type: none"> • Adjusted schedule to reflect current anticipated schedule for approval of Final Soil RFI/RI Work Plan, completion of Work Plan Implementation/Data Analysis, approval of RFI/RI Vol. 3 Reporting, and approval of the Risk Assessment Work Plan Addendum II.
<p>CMS/FS Report (through Approvals) (Lines 1235 - 1252)</p>	<p>FF for approval of CMS/FS</p> <ul style="list-style-type: none"> • 2/21/12 (Rev. 2) • 7/3/2012 (Rev. 3) • 8/21/2012 (Rev. 5) • 2/15/2013 (Rev. 6) • 12/4/2013 (Rev. 7) 	<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. • Cascading delay from Part A approval. • Cascading delay from Part A Phase 1 data gaps evaluation.

	<ul style="list-style-type: none"> • 5/16/2014 (Rev. 8) • 5/14/2014 (Rev. 9) • 5/23/2014 (Rev. 10) • 5/21/2014 (Rev. 11) • 8/27/2014 (Rev. 12) • 11/19/2014 (Rev. 13) • 1/29/2015 (Rev. 14) • 5/27/2015 (Rev. 15) • 6/9/2016 (Rev. 16) • 4/26/2017 (Rev. 17) • 9/6/2017 (Rev. 18) 	<ul style="list-style-type: none"> • 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. • Added a hard link between the completion of the risk assessment and the start of the CMS/FS. • Adjusted schedule to reflect current anticipated schedule for approval of Final Soil RFI/RI Work Plan, completion of Work Plan Implementation/Data Analysis, approval of RFI/RI Vol. 3 Reporting, and approval of the Risk Assessment Work Plan Addendum II.
<p>Statement of Basis (Lines 1261 – 1267)</p> <p>Public Notice/Supplemental EIR (Lines 1397 – 1409)</p>	<p>Extend NOD filing to:</p> <ul style="list-style-type: none"> • FF 12/7/2012 (Rev. 3) • FF 1/25/2013 (Rev. 5) • FF 7/22/2013 (Rev. 6) • FF 5/8/2014 (Rev. 7) • FF 11/20/2014 (Rev. 8) • FF 11/16/2014 (Rev. 9) • FF 10/27/2014 (Rev. 10) • FF 10/2/2014 (Rev. 11) • FF 1/8/2015 (Rev. 12) • FF 4/2/2015 (Rev. 13) • FF 7/13/2015 (Rev. 14) • FF 11/8/2015 (Rev. 15) • FF 10/21/2016 (Rev. 16) • FF 9/26/2017 (Rev. 17) • FF 2/6/2018 (Rev. 18) 	<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. • Adjusted schedule to reflect current anticipated schedule for approval of Final Soil RFI/RI Work Plan, completion of Work Plan Implementation/Data Analysis, approval of RFI/RI Vol. 3 Reporting, and approval of the Risk Assessment Work Plan Addendum II.
<p>Proposed Plan/ROD (Lines 1280 – 1290)</p>	<p>Extend ROD issuance to:</p> <ul style="list-style-type: none"> • FF 9/6/2012 (Rev. 3) • FF 1/17/ 2013 (Rev. 4) • FF 3/7/2013 (Rev. 5) • FF 11/20/2013 (Rev. 6) • FF 9/8/2014 (Rev. 7) • FF 2/18/2015 (Rev. 8) • FF 2/16/2015 (Rev. 9) • FF 2/25/2015 (Rev. 10) 	<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. • Added a hard link (similar to the Groundwater ROD) between approval of the CMS/FS and the start of the Proposed Plan. • Adjusted schedule to reflect current anticipated schedule for approval of Final Soil RFI/RI Work Plan, completion of Work Plan Implementation/Data Analysis, approval of RFI/RI Vol. 3 Reporting, and approval of the Risk Assessment Work Plan Addendum II.

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| | <ul style="list-style-type: none">• FF 2/23/2015 (Rev. 11)• FF 6/1/2015 (Rev. 12)• FF 8/24/2015 (Rev. 13)• FF 11/3/2015 (Rev. 14)• FF 2/29/2016 (Rev. 15)• FF 3/14/2017 (Rev. 16)• FF 1/29/2018 (Rev. 17)• FF 6/11/2018 (Rev. 18) | |
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