

Handout 9B
Schedule Highlights
Summary of Key Schedule Changes

Consultative Work Group Meeting
February 18, 2015

Schedule Highlights

Groundwater Remedy Design (updated per 2/18/15 CWG)

- Pre-final (90%) Design
 - ✓ PG&E submit design (9/8/14), supplemental design (2/2/15)
 - ✓ Stakeholders/Tribes Review Comments - 3/16/15
 - ✓ Agencies Review Comments – 3/31/15
 - ✓ Comment Resolution – 3/31 – 6/22/15

Soil Activities

- Soil RFI/RI work plan
 - ✓ PG&E submitted final work plan – 1/14/13
 - ✓ CEQA review – 11/12/12 to 3/26/15
 - ✓ Agencies approve Soil Work Plan – anticipated 3/26/15
- Work Plan Implementation
 - ✓ Field Implementation/Data Analysis – March 2015 through March 2016
- Reporting
 - ✓ RFI/RI Volume 3 - Target start March 2016
 - ✓ Soil Risk Assessment – Target start February 2017

Risk Assessment Work Plan (RAWP) Addendum II

- Submitted Draft RAWP Addendum II: May 7, 2014
 - ✓ Tribes/CWG/TWG review/comment – 5/8-6/30/14
 - ✓ Agencies review/comment – 5/8-7/30/14
 - ✓ PG&E prepare/submit RTCs – 3/11/15 (target)
- Submit Final RAWP Addendum II: Target June 2015
 - ✓ Agencies approval – anticipated July 2015

Summary of Key Schedule Changes

Handout 9B

Summary of Key Schedule Changes since August 15, 2007 (Rev. 25)

October 29, 2014 changes highlighted in Yellow – changes are from October 29, 2014

Activities	Forecast Schedule Deviation	Key Reasons
Groundwater		
Pre-Final (90%)/Final (100%) Design (through Approvals) (Lines 1553 – 1566)	<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) • FF 10/29/2014 (Rev. 20) • FF 12/31/2014 (Rev. 21) • FF 3/26/2015 (Rev. 22) • FF 4/3/2015 (Rev. 23) • FF 6/30/2015 (Rev. 24) • FF 8/4/2015 (Rev. 25) 	<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. • Cascading changes from the Freshwater Source Evaluation and Comment Resolution schedule. • Extension of schedule reflected a) the additional time required to complete resolution of 60% comments and b) the added time anticipated for resolution of 90% (from 1 month to 3 months). • Extend duration for Agencies' review/approval of design to 2 work weeks. • Addition of supplemental design. Extend duration for Agencies/ Stakeholders/Tribes review.
Construction/Remedial Action Work Plan (through Approvals) (Lines 1567 – 1579)	<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) • FF 10/29/2014 (Rev. 20) • FF 12/31/2014 (Rev. 21) • FF 3/26/2015 (Rev. 22) • FF 4/3/2015 (Rev. 23) • FF 6/30/15 (Rev. 24) • FF 8/4/2015 (Rev. 25) 	<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. • Cascading changes from the Freshwater Source Evaluation and Comment Resolution schedule. • Cascading changes from Pre-Final (90%) Design. • Addition of CEQA review of final design step. • Extend duration for Agencies' review/approval of Final Work Plan to 2 work weeks. • Addition of supplemental design. Extend duration for Agencies/ Stakeholders/Tribes review.

<p>Right of Ways/Easements/ Landowner Agreements/ Other Approvals/ Compliance/Community Outreach</p> <p>(Lines 1580 - 1582)</p>	<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) • FF 12/1/2014 (Rev. 20) • FF 2/2/2015 (Rev. 21) • FF 4/27/2015 (Rev. 22) • FF 5/4/2015 (Rev. 23) • FF 7/30/15 (Rev. 24) • FF 9/3/15 (Rev. 25) 	<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. • Cascading changes from the Freshwater Source Evaluation and Comment Resolution schedule. • Cascading changes from Pre-Final (90%) Design. • Cascading changes from Pre-Final (90%) Design.
<p>Construction (through Commissioning)</p> <p>(Lines 1596 - 1608)</p>	<p>FF for completion of construction</p> <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) • 11/8/2016 (Rev. 20) • 1/10/2017 (Rev. 21) • 4/5/2017 (Rev. 22) • 4/13/2017 (Rev. 23) • 6/25/2018 (Rev. 24) • 7/30/2018 (Rev. 25) 	<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. • Cascading changes from the Freshwater Source Evaluation and Comment Resolution schedule. • Cascading changes from Pre-Final (90%) Design. • Updated the construction schedule per the September 8, 2014 Pre-Final (90%) Design Submittal.
<p>Start-up</p> <p>(Lines 1612-1618)</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. • Cascading changes from the Freshwater Source Evaluation schedule. • Cascading changes from Pre-Final (90%) Design. • Cascading changes from Construction line items.

- 1/24/2018 (Rev. 20)
- 3/28/2018 (Rev. 21)
- 6/21/2018 (Rev. 22)
- 6/29/2018 (Rev. 23)
- 9/10/2019 (Rev. 24)
- 10/15/2019 (Rev. 25)

Soil

Soil RFI/RI Work Plan (Draft, Final, and Work Plan Approvals including CEQA review) (Lines 828-909)

- 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)
- FF 8/22/2014 (Rev.20)
- FF 11/21/2014 (Rev. 22)
- FF 11/20/2014 (Rev. 23)
- FF 3/6/2015 (Rev. 24)
- FF 3/26/2015 (Rev. 25)

- 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 comments.
- TWG meeting to discuss responses to comments.
- Added approx. 4 weeks for comment resolution.

		<ul style="list-style-type: none"> • 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. • Schedule reflected additional time for Soil EIR/Work Plan approval (e.g., data gaps evaluation, Tribal inputs on land use and key view, view shed visual analysis). • Extension of an additional 15 days for review of Draft Soil EIR by Tribes. • Additional time for a) compiling/responding to comments received, b) preparing a second draft Screen Check Soil EIR, if needed, and c) circulating the Final Soil EIR for 10 days. • Addition of Bat Habitat Assessment and time for finalizing the Soil EIR.
<p>Work Plan Implementation/ Data Analysis (Lines 915-923)</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) • FF 8/17/2015 (Rev.20) • FF 11/16/2015 (Rev. 22) • FF 11/13/2015 (Rev. 23) • FF 2/29/2016 (Rev. 24) • FF 3/17/2016 (Rev. 25) 	<ul style="list-style-type: none"> • Adjusted schedule to reflect current anticipated approval date and scope of the Final Soil RFI/RI Work Plan. • Cascading changes from Soil Work Plan approval and Soil EIR. • Cascading changes from Soil Work Plan approval.
<p>RFI/RI Vol. 3 Reporting (Draft, RTCs, Final, Approvals) (Lines 924 - 939)</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) • FF 7/26/2016 (Rev.20) • FF 10/25/2016 (Rev. 22) • FF 10/24/2016 (Rev. 23) • FF 2/7/2017 (Rev. 24) • FF 2/22/2017 (Rev. 25) 	<ul style="list-style-type: none"> • Adjusted schedule to reflect current anticipated approval date and scope of the Final Soil RFI/RI Work Plan. • Cascading changes from Soil Work Plan approval and Soil EIR. • Cascading changes from Soil Work Plan approval and implementation.
Risk Assessment Work Plan	<ul style="list-style-type: none"> • FF 1/24/2014 (Rev. 16) 	<ul style="list-style-type: none"> • Adjusted schedule to reflect the additional time required for

<p>Addendum II (through Approvals) (Lines 1147-1174)</p>	<ul style="list-style-type: none"> • FF 3/12/2014 (Rev. 17) • FF 5/11/2014 (Rev. 18) • FF 12/7/2014 (Rev. 20) • FF 1/15/2015 (Rev. 23) • FF 7/12/2015 (Rev. 24) • FF 7/30/2015 (Rev. 25) 	<p>review/comment on the proposed changes to the RAWP and the Arrowweed tech memo.</p> <ul style="list-style-type: none"> • Cascading changes from Soil Work Plan approval and Soil EIR. • Additional time required for review/comment of RAWP Addendum II. • Additional time for agencies' direction on Addendum II. • Additional time for discussion of recreational use scenario with Tribes, evaluation of comments received, and responding to comments.
<p>Risk Assessment (through Approvals) (Lines 1192 - 1207)</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) • FF 5/16/2017 (Rev. 20) • FF 8/15/2017 (Rev. 22) • FF 8/14/2017 (Rev. 23) • FF 11/28/17 (Rev. 24) • FF 12/13/17 (Rev. 25) 	<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. • Cascading changes from Soil Work Plan approval and implementation.
<p>CMS/FS Report (through Approvals) (Lines 1268 - 1285)</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) • 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) • 4/4/2018 (Rev. 20) • 6/30/2018 (Rev. 22) • 6/29/2018 (Rev. 23) • 10/17/2018 (Rev. 24) • 11/1/2018 (Rev. 25) 	<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. • 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. • Cascading changes from Soil Work Plan approval and implementation.