

Handout 9B
Schedule Highlights
Summary of Key Schedule Changes

Consultative Work Group Meeting
August 7, 2019

Schedule Highlights

Groundwater Remedy Construction

- Project Initiation – 10/2/18
- Phase 1 Construction – 10/2/18 to 6/28/21
 - Construction schedule is communicated via:
 - **Daily** list of construction activities
 - **Weekly** emails of 6-week look ahead
 - **Monthly** progress reports
- Turn off IM/IRZ Start-up – Forecast 6/30/21

Soil Risk Assessment

- Risk Assessment Report
 - ✓ Draft Report – submitted 9/10/18
 - ✓ Review and Comment
 - Tribes and Stakeholder Review: 9/11 – 12/10/18
 - Agencies Review: 9/11/18 – 1/8/19
 - Risk Assessment Walk-Thru via WebEx – 9/26/18
 - Comment Clarification Meeting – Determined to not be needed
 - ✓ Response to Comments/Comment Resolution
 - Prepared/sent RTC Table – 5/17/19
 - Sent meeting agenda – 6/5/19
 - Held comment resolution meeting – 6/20-6/21/19
 - Sent Final RTC table with changes recorded during meeting – 7/17/19
 - ✓ Final Report – target 10/31/19

Soil RFI/RI Reporting (Volume 3)

- Soil RFI/RI Report
 - ✓ Draft Report - Tentative submittal 10/31/19
 - ✓ Tribes and Stakeholder Review: 11/14 – 12/4/19
 - ✓ Agencies Review: 11/14 – 11/19/19

Summary of Key Schedule Changes

Handout 9B

Summary of Key Schedule Changes since August 15, 2007 (Rev. 41)

December 5, 2018 changes highlighted in Yellow – changes are from December 5, 2018

| Activities | Forecast Schedule Deviation | Key Reasons |
|---|---|--|
| Groundwater | | |
| Construction (Lines 1704-1712, 1715) | 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) • 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) • 10/15/2018 (Rev. 26) • 12/18/2019 (Rev. 27) • 1/29/2020 (Rev. 28) • Phase 1 - 1/28/2019 (Rev. 29 and 30) • Phase 2 - 1/26/2021 (Rev. 29 and 30) • Phase 1 - 3/7/2019 (Rev. 31) • Phase 2 - 3/5/2021 (Rev. 31) • Phase 1 - 5/20/2019 (Rev. 32/ 33) • Phase 2 - 5/18/2021 (Rev. 32/ 33) • Phase 1 - 6/27/2019 (Rev. 34) • Phase 2 - 6/25/2021 (Rev. 34) • Phase 1 - 9/6/2019 (Rev. 35) • Phase 2 - 9/6/2021 (Rev. 35) • Phase 1 - 10/25/2019 (Rev. 36) | <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. • Cascading changes from certification of Final SEIR and Agencies' approval of Final Design and C/RAWP. • Implementation of phased construction approach. <li style="background-color: yellow;">• Extension of Phase 1 construction schedule reflects temporary shutdown of project in Jan 2019 due to PG&E Chapter 11 bankruptcy filing, approved work variance requests, and current implementation challenges. <li style="background-color: yellow;">• Extension of Phase 2 construction schedule reflects the cascading effects of Phase 1 and an extended period for initial operation of the NTH IRZ from 12 to 24 months to get data from a full IRZ operation cycle (6 months on, 18 months off). |

| | | |
|---|--|---|
| | <ul style="list-style-type: none"> • Phase 2 - 10/25/2021 (Rev. 36) • Phase 1 - 10/2/2020 (Rev. 37) • Phase 2 - 9/7/2022 (Rev. 37) • Phase 1 - 9/15/2020 (Rev. 38, 39, & 40) • Phase 1 - 6/28/2021 (Rev. 41) • Phase 2 - 7/1/2024 (Rev. 41) | |
| <p>Start-up (Lines 1714 and 1716)</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) • 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) • 12/31/2019 (Rev. 26) • 3/4/2021 (Rev. 27) • 4/15/2021 (Rev. 28) • NTH IRZ - 1/28/2020 (Rev. 29 and 30) • Remaining System - 1/31/2022 (Rev. 29 and 30) • NTH IRZ - 3/6/2020 (Rev. 31) • Remaining System - 3/10/2022 (Rev. 31) • NTH IRZ - 5/19/2020 (Rev. 32/33) • Remaining System - 5/23/2022 (Rev. 32/33) • NTH IRZ - 6/26/2020 (Rev. 34) • Remaining System - 6/30/2022 (Rev. 34) • NTH IRZ - 9/7/2020 (Rev. 35) • Remaining System - 9/9/2022 (Rev. 35) • NTH IRZ - 10/26/2020 (Rev. 36) • Remaining System - 10/28/2022 (Rev. 36) • NTH IRZ - 9/20/2020 (Rev. 37) • Remaining System - 8/25/2022 (Rev. 37) • NTH IRZ - 9/16/2020 (Rev. 38, 39, & 40) • NTH IRZ - 6/30/2023 (Rev. 41) | <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. • Cascading changes from approval of Final Design and C/RAWP. • Implementation of phased construction approach. • Extension of the completion of NTH IRZ start-up/initial operation reflects changes in a) Phase 1 construction (see above) and b) duration of initial operation from 12 to 24 months to get data from a full IRZ operation cycle (6 months on, 18 months off). |

| Soil | | |
|---|--|--|
| <p>Soil Risk Assessment (Draft, RTCs, Final, Approvals) (Lines 979 - 998)</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) • FF 4/17/2018 (Rev. 26) • FF 5/15/2018 (Rev. 27) • FF 5/22/2017 (Rev. 28 and 29) • FF 6/5/2017 (Rev. 30) • FF 4/20/2018 (Rev. 32 and 33) • FF 6/8/2018 (Rev. 34) • FF 7/30/2018 (Rev. 35 and 36) • FF 3/15/2019 (Rev. 37 and 38) • FF 7/29/2019 (Rev. 39 and 40) • FF 10/31/19 (Rev. 41) | <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. • Accelerate Soil Risk Assessment Activities to overlap with Soil Investigation Activities. • Cascading changes from Soil Work Plan implementation/Data Gaps Analysis. • Adjusted schedule to reflect the preparation of a Data Summary for EPCs Calculation, and a RTC process in accordance with the October 29, 2012 letter from DTSC to Tribes, titled Response to Comments Process - PG&E Topock Compressor Station, Needles, California • Cascading changes from Work Plan Implementation/Data Gaps Evaluation. • Schedule reflects implementation of Soil RFI-RI-RA RTC protocol. • Schedule reflects additional time required for preparation of the Draft Soil Risk Assessment Report, and review/comment on the draft report. • Extension of the completion schedule reflects temporary shutdown of project in Jan 2019 due to PG&E Chapter 11 bankruptcy filing, the time required to respond to comments and resolve comments, and to finalize the report. |
| <p>RFI/RI Vol. 3 Reporting (Draft, RTCs, Final, Approvals) (Lines 999 - 1016)</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. • Cascading changes from Soil Work Plan implementation/Data Gaps Analysis. • Adjusted schedule to incorporate results from the soil risk assessment into the RFI/RI Vol. 3 Report, and to reflect a RTC |

| | | |
|--|--|---|
| | <ul style="list-style-type: none"> • FF 6/27/2017 (Rev. 26) • FF 7/25/2017 (Rev. 27) • FF 2/16/2017 (Rev. 28 and 29) • FF 11/15/2017 (Rev. 30) • FF 10/29/2018 (Rev. 32 and 33) • FF 12/17/2018 (Rev. 34) • FF 2/7/2019 (Rev. 35 and 36) • FF 9/24/2019 (Rev. 37 and 38) • FF 2/7/2020 (Rev. 39 and 40) • FF 6/9/2020 (Rev. 41) | <p>process in accordance with the October 29, 2012 letter from DTSC to Tribes, titled Response to Comments Process - PG&E Topock Compressor Station, Needles, California</p> <ul style="list-style-type: none"> • Cascading changes from Work Plan Implementation/Data Gaps Evaluation. • Schedule reflects implementation of Soil RFI-RI-RA RTC protocol. • Cascading changes from Soil Risk Assessment. |
|--|--|---|