

AGENDA

NRC Staff and Strata Energy, Inc. Ross Project Status

SUA-1601

Ross

1. Status of project

- Wellfield drilling begun in mid-January. Concentrating on historic borehole plugging and monitor well installation for MU1.
- Plant construction will begin in mid-February. Site civil work for CPP site, access roads, surface water diversion features, and CBW is essentially complete from late 2013. Expected completion in late July.
- Drilling DDW expected to begin in mid-February. 90 day drilling time expected. Need to sample to determine whether an aquifer exemption may be required (i.e., <10,000 TDS).

2. Scalable plant design (see preliminary general arrangement drawing)

- Phase 1 will include a satellite plant with one half the IX capacity shown in the application. Flow will be approximately 3,750 (1/2 permitted flow) with annual production up to 1M pounds. Building footprint is designed for the satellite only. Only process chemicals will be oxygen/CO₂/Bicarb.
- Phase 2 will add additional IX capacity, elution/precipitation/two dryers. Building will be expanded to the north allowing all construction in a clean area until the building wall is removed. Flow will be up to the licensed capacity of 7500 gpm with up to 2M pounds annual production capacity. Building footprint of full CPP is approximately 2/3 that of the design submitted with application (was 200 ft. by 370 ft.). Timing of Phase 2 is market-dependent.
- Phase 3 adds additional elution/precipitation/dryer to expand to 3M pound nameplate capacity with IX resin shipments from other facilities. Timing of Phase 3 is market-dependent

3. CPP site design (see preliminary site layout)

- Due to reduction in CPP size the administration building has been moved near the CPP to reduce surface impacts. Warehouse/maintenance building not needed at this time.

4. Overall construction and commissioning schedule (see Gantt schedule)

- Drilling and wellfield installation for MU1 through August 2015
- CPP and site construction through July 2015
- Staff mentioned 1 day site visit prior to preoperational inspection at May 15, 2014 meeting. Continued need with reduced plant design and timing of this?
- Estimate notice for Pre-op inspection in early June per LC 12.6 (90 days' notice by LC; NRC mentioned 6 months' notice at public meeting held on May 15, 2014). Schedule shows all preoperational submittals will be made by that time except MU1 wellfield package

5. Regulatory approval schedule (see Gantt schedule)

- Incremental Surety for prelicense construction originally submitted July 14; full 2015 estimate submitted to NRC and DEQ Jan 14. NRC review schedule? Action if DEQ completes review ahead of NRC?
- Submittal requirements for preoperational LCs (amendment request to remove specific LC?)
- Submittal methods for SOPs to support preoperational inspection.
- Status of pre-op license condition requirements:
 - LC12.1 (other permits/authorizations); all permits in place except Permit to Construct ponds from EPA R8 status, COE approval for wetlands impacts.
 - LC 12.2 Coordinate emergency services status (April through June after plan development).
 - LC 12.3 New private wells – completed as part of annual report. 1 well – Strata PWS
 - LC 12.4 Rad staff quals – need rad staff, submit around mid-April
 - LC 12.5 Byproduct agreement – in works, if proprietary then affidavit necessary
 - LC 12.6 Notification for inspection – early June
 - LC 12.7 Airborne monitoring – submit by end of February – interim staff guidance on radon status?
 - LC 12.8 Contamination survey - submit by end of February
 - LC 12.9 Dose to the public - submit by end of February
 - LC 12.10 QA plan – submit by mid-April; suggested format and level of detail;
 - LC 12.11 SOPs
 - A Low yield wells – SOP developed and in EMP (submit?)
 - B CPP dewatering – submitted January 16
 - C CPP effluent – submitted January 16
 - D Emergency Response – submit by mid-April
 - E Transportation - submit by end of February
 - LC 12.12 Groundwater detection monitoring program - submitted January 16
 - LC12.13 Meteorology - submitted on May 1, 2014
- MU1 Wellfield Package – expected submittal in early July (approx. 75 calendar days before injection).
 - Issues identified in previous reviews?
 - Possible use of ProUCL?

6. Programmatic Agreement

- Additional Testing Plan submittal and review schedule
- Tribal report to Keeper—Path forward and timing?
- Possible assistance by Strata in preparation of Keeper submittal
- Strata has contracted Jim Shive at Legacy Consulting Services of Butte, Montana. 40 years' experience including a decade at Georgia Power working with NRC. Action necessary if we want Jim to work directly with NRC?

Kendrick Expansion Area (see draft facilities layout)

1. Summary of design and operating plans
2. Amendment application schedule e.g. March
3. PTM No. 802 amendment application in April

4. Assessment of ERB/safety work load as Ross pre-op reviews will come ahead of KEA amendment if they end up on the same desks
5. Unusual/unique conditions and conceptual solutions i.e. DM, size/extent, other?

Admin, action items, other

1. Final Ross TR as modified through RAI responses and license condition finalization?
2. SUA-1601 expiration date?