

Washington D&D Schedule NRC Meeting 4/01

Project Planning

This task is scheduled to start in Spring '01 and to be completed in 4-6 months. The task includes the following:

- Confirm areas and building that need to be removed based upon the site characterization. This includes Building #'s 33 and 37, the lab area in Building #1, and a decision on Building #'s 28 and 32 (floors).
- Develop procedures for free release of equipment and materials.
- Determine criteria for "affected vs. "unaffected" buildings.
- Provide cost estimates and financial assurance as required by the NRC.

Equipment Disposition (South)

This task is scheduled to start upon finalization of the survey procedures for equipment and has been scheduled to start in July '01 and be completed by yearend. The "south" refers to the contents in and around Building #39 only.

- Inventory equipment and material and determine how it was used (roaster applications, FeMo production, etc).
- Make initial decision whether to keep or scrap equipment.
- Classify as low, medium, or high contamination potential.
- Determine whether NORM contamination present.
- Perform radiological free release survey of equipment – survey coverage based on contamination potential.
- Decide whether to decontaminate, reprocess, or dispose of contaminated equipment.
- Develop staging area for segregated equipment.

Building Survey (South)

This task is scheduled to start in March '02 and be completed in 5 months (December thru February are not considered for survey scheduling due to the cold environment):

- Remediate Building #39, if necessary.
- Perform final survey.
- Submit final survey report for NRC review and approval.
- Confirmatory survey by NRC.
- Demolish Building #39 after NRC approval of final survey report.

After the removal of the building and equipment from the south side, Phase 2 is completed south of Caldwell Avenue.

Excavation Design/Engineering (South)

This task consists of designing excavation grids, stockpile sampling plan, etc. Essentially, how we plan on handling the material and what we are going to do with it. This task is independent of Phase 2 activities and is scheduled to start in January '02 with a duration of 4-7 months. The issue of how to handle the overburden material that lies between the surface and the licensed material will need to be resolved.

Procurement/Contracting

This task is dependent on the design task above and is scheduled to be completed between 5/02-8/02. The task includes bid package preparation, solicitation, bid evaluation, and contract award. As a part of the disposal site procurement, it may be necessary to submit a dose assessment to NRC for approval to ship unimportant quantities to a non-licensed site.

License Conditions/Real Estate Issues

This task is satisfying 7 items that need to be completed prior to excavation and disposal activities. They include 4 license conditions and 3 real estate issues. This task is not dependent on any tasks above, but must be completed prior to excavation activities. Therefore, I have the task being initiated now and ending in 8/02:

1. Radiological characterization of the bedrock near the western property boundary.
2. Update groundwater, surface water, and sediment data.
3. Engineering controls and water management plans for encountering groundwater during the excavation.
4. Supplemental characterization plan; survey protocols and methodologies; uranium/thorium ratios.
5. Caldwell Avenue right-of-way issues.
6. Sewer and utility lines in areas of excavation activities.
7. Findlay sewer outfall.

Excavation/Transportation/Disposal (South)

All tasks above must be completed prior to initiating this work. Based upon estimated production rates via rail on a daily basis, and assuming roughly ½ of the licensed material is on the south side, this work will take approximately 9 months to complete (June '03).

Equipment Disposition (North)

The process of equipment inventory and survey is the same as the south with the following exceptions:

- Some of the equipment and buildings are still being utilized in the FeMo production operations, and
- Twenty-one buildings, and the equipment in the buildings, need to be surveyed compared to the one building on the south side.
 - 7-10 buildings need to be surveyed and demolished prior to excavation
 - remaining buildings require final survey prior to license termination

Because of this increase in equipment volume and buildings, it is estimated that the buildings could be cleared of equipment by 4/03.

FeMo Shutdown/Relocate

The date to discontinue/relocate the FeMo business is scheduled for 6/02. The rationale on the "front side" of the schedule is to finish producing existing inventory and the June '02 date will allow approximately 9 months to remove and survey the remaining equipment associated with the operations.

Building Surveys (North)

The process for this task is the same as for the south side but the number of buildings and the amount of equipment requiring survey is significantly greater. As before, Molycorp will disposition equipment, remediate buildings as necessary, final survey buildings and submit report. NRC will review report and perform confirmatory survey. After NRC approval of the final survey report, the buildings will be demolished. This task is expected to begin in 5/03 and be completed by the Spring '04.

Excavation/Transportation/Disposal

Again, this process is similar to the description for the south side with additional utility issues, excavation around the former ponds, and creek bank concerns. This task is expected to be initiated in the Spring '04 and be completed by the Summer '05.

Final Survey/License Termination

The final survey of excavated areas and site lands will continue through the fall of '05. A final survey report will be submitted to NRC in Spring '06, followed by NRC review of report and confirmatory survey. After NRC approval of the final survey report, NRC will issue documentation approving license termination by the end of '06.