

Appendix F – Closure and Reclamation Measures



Special Use Permit Application

Energy Fuels Resources Corporation (“Energy Fuels”) will commence closure and reclamation activities at the Piñon Ridge Mill Facility (the “Project” or the “Facility”) following the productive life of the Facility. Closure and reclamation activities are anticipated to occur over an approximate three-year period. The primary components of closure and reclamation activities include:

- Decommissioning and removal/disposal of all process equipment and facilities;
- Decommissioning of the ore pad and waste management facilities;
- Removal of ancillary facilities and infrastructure;
- Capping the tailings cells with engineered, soil covers;
- Recontouring and revegetation of disturbed areas; and
- Post-closure monitoring of revegetation performance, water and air quality.

The objectives of the closure and reclamation plan are to establish a stable long-term land configuration and repository for any residual radioactive materials, while returning the remainder of the site to its original land use of livestock grazing with a self-sustaining ecosystem. Additional details regarding the proposed closure and reclamation measures are provided below.

Mill Facility

All process equipment, tanks, mill buildings, concrete pads, foundations and other structures will be dismantled and removed. Materials that can be decontaminated and any remaining reagents and chemicals will be sold and recycled wherever practicable. All other materials will be consolidated and encapsulated within the final tailings cell. The former mill area will then be scanned for radiation. Soils exhibiting radiation levels above established background levels will be delineated, excavated and placed in the final tailings cell. After removal of all materials and contaminated soils, the mill area will be graded to be free draining and seeded to create a vegetative cover.

Waste Management Facilities

Tailings Impoundment

When milling operations conclude, the tailings will be capped with an engineered soil cover designed to limit radon emissions from the tailings to a level that does not exceed the health-based regulatory standard. The interim or initial cap will consist of soils excavated from the ore pad, evaporation ponds and mill area containing low levels of radioactive contamination. The final cover will consist of soils borrowed on site containing only background levels of radioactivity as well as selected coarse-grained soils imported from offsite sources, as needed. To the extent practicable, soil materials used for site construction and operations will be recycled for use in the engineered soil cover. The cover will be contoured to create gradual slopes and then revegetated. A permanent chain-link fence topped with barbed wire will be installed around the capped area.



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Evaporation Ponds

Once the process water has evaporated from the ponds, the precipitated salts and the liner materials will be excavated and placed in the final tailings cell. The area around the evaporation ponds and tailings cells will also be tested for radiation. Soils exhibiting radiation levels above background (typically occurring immediately downwind of waste management facilities) will be placed as the initial cover over the final tailings cells. Following removal of materials and contaminated soils, the pond area will be regraded to be free draining and seeded to create a vegetative cover.

Ore Pad Facility

The ore pad will be reclaimed in a similar manner to the evaporation ponds. Liners, concrete structures and materials with elevated radioactivity levels will be excavated, consolidated and placed in the final tailings cell. The protective soil and gravel covering the pad liner will be salvaged and used in the tailings cell cover. Following removal of all materials and contaminated soils, the pad area will be regraded to be free draining and seeded to create a vegetative cover.

Ancillary Facilities

Ancillary facilities that are located outside the restricted area such as the Administration Facility, primary roads and the water supply well field can be retained for the post-operation land use provided they pass the required radiation screening. Facilities not retained for future land use will be removed from the site. Monitoring wells will be properly abandoned in accordance with state regulations.

