

Luckey Formerly Utilized Sites Remedial Action Program Site News from the Corps

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Hello from the U.S. Army Corps of Engineers Buffalo District:

Cleanup is underway at the Luckey FUSRAP Site! Our primary activity now is ensuring our contamination control procedures are working as designed to prevent the movement of contaminants during the soils cleanup at the site. We are using dust control measures during the excavation, sorting, and stockpiling of site soils to ensure FUSRAP-contaminated soils do not become airborne during cleanup activities. Dust control measures in the excavation area include spraying water on the roads and using a water spray to dampen the materials as they are being excavated.

Our excavation activities are focused in the Phase-I cleanup area located in the southeastern corner along Gilbert Road. As of May 24, 2018, 345-cubic yards of soils were excavated from Lagoon A in the Phase 1 cleanup area. The excavated soils were placed into a feed pile until enough soils were available to process. A fixative was applied to the awaiting feed pile to prevent dust generation from wind.

The excavated soils are being fed through the soil sorter on a conveyor belt system to separate them based on their level of radioactivity. Several specially designed nozzles spray a fine water mist on the soils as they move through the sorter to prevent airborne dust. The soil sorter uses a fast-acting, reversing conveyor to mechanically sort the excavated soils based on our radioactive cleanup goals for the site. Soils which contain radioactive contamination greater than our cleanup goals are diverted and loaded directly from the conveyor belt into containers for off-site disposal. Soils which contain radioactive contamination that meets or is below the site's cleanup goals for radioactive contamination are stacked in 100-cubic yard stockpiles. These stockpiles are then sampled for beryllium, lead, and other contaminants. Soils which are above the site cleanup goals for beryllium and lead will be packaged and transported off-site for disposal. Soils that meet or are below the site cleanup goals for beryllium and lead may be used as backfill in the excavation areas or remain on-site.

We will publish a news update when we expect transportation of FUSRAP-related materials for disposal at the US Ecology facility in Wayne, Michigan, to begin.