

Fact Sheet: LHAAP-19, Construction Materials Landfill

Site History

The landfill was in use sporadically from 1985 until 2009 when closure activities were conducted at the site. It was permitted to receive non-friable asbestos (asbestos which cannot be crumbled or reduced to powder by hand pressure) and other demolition debris. The Preliminary Review Unit Checklist from the 1988 evaluation states that one trench was excavated each week for that week's waste, and was covered at the end of the week. The most recent use includes demolition debris from the buildings in the production area that were demolished between 1996 and 2006, with materials consisting of non-friable asbestos, wood and metal studs, corrugated metal walls/roofs, concrete rubble, steel re-bar, etc.

Site Characteristics

LHAAP-19, the Construction Materials Landfill, is located in the southeast portion of Longhorn Army Ammunition Plant, just to the northwest of the Ground Signal Test Area. The landfill was a fenced 400 ft x 800 ft area. The maximum depth of the landfill is thought to be less than 15 feet below the ground surface. The topography generally slopes in all directions from the center of the landfill, with the steepest slopes being along the north side of the area.

Risk Assessment

Soil and groundwater were sampled and evaluated beginning in August 2009. Soil samples were analyzed for TAL metals, VOCs, SVOCs, explosives, and perchlorate. Groundwater samples were obtained by drilling three temporary monitoring wells at the perimeter of the site. Groundwater samples were analyzed for TAL metals, VOCs, SVOCs, explosives, and perchlorate. Contaminant concentrations in soil and groundwater adjacent to the landfill meet standards for residential land use purposes. However, because the waste was left in place, the site is only approved for non-residential future land use, following policies for Risk Reduction Standard Number 3 – Closure/Remediation with controls and certificate of remediation. The required control for this site is a compacted soil cap and topsoil cover for the landfill. Limited monitoring will take place as inspections of the cap and any maintenance required for a period of five years. After the Post-Closure period has ended, reviews and inspections along with cap repair, if needed, will be conducted at five year intervals.

