

UNIT: X-749A Classified Material Burial Grounds

POTENTIAL CONTAMINANT SOURCE(S): Burial Grounds (Landfill)

POTENTIAL HAZARDOUS CONTAMINANTS: See list of buried items below.

PERIOD OF OPERATION: 1953 to 1994

COORDINATES & GENERAL LOCATION: N 6.9, E 8.9, Southeast

DESCRIPTION:

Buried classified wastes which include:

- (70) 55-gallon drums of aluminum dross (slag)
- Security ashes
- • Part of a nickel powder processing plant which may be contaminated with nickel carbonyl, uranium and/or asbestos. (Nickel carbonyl degrades very rapidly; consequently, it is extremely improbable that it would be present as a contaminant. Nickel carbonyl absorbs moisture from the air causing the decomposition of a corresponding amount of nickel carbonyl into basic carbonate and hydrate of nickel with evolution of CO₂).
- Barrier scrap, tube sheets, seal parts.

VOLUME, AREA AND DEPTH OF WASTES:

→ The X-749A Classified Materials Burial Ground had been used since 1955 for burial of classified, nonhazardous materials. The total area of the facility was approximately 5.0 acres. Burial trenches in X-749A were generally fourteen feet deep and were backfilled to surface grade with a minimum of six feet of soil. Wastes buried in the X-749A included metallic process scrap, floor sweepings from the X-700 and X-705, computer-media, centrifuge scrap, aluminum dross (slag) security ashes, and miscellaneous scrap of a classified nature. In October 1979, part of a nickel processing plant was buried at this facility. The plant contained traces of nickel carbonyl.

CLOSURE OF THE LANDFILL

The X-749A Landfill cap includes (from the top down):

- grass cover,
- drainage layer,
- synthetic layer,
- compacted clay layer,
- gas vent system, and
- fill layer.

X-749A is 3.0 acres in size and was closed as a Solid Waste Subtitle C Landfill.