

**PRELIMINARY ASSESSMENT/SITE INSPECTION REPORT  
AND SOLID WASTE MANAGEMENT UNIT (SWMU) ASSESSMENT REPORT**

**UNIT NUMBER:** 10

**UNIT NAME:** C-746-T Inert Landfill

**DATE:** September 17, 1999

**REGULATORY STATUS:** Subtitle D Industrial Landfill (SWMU)

**LOCATION:** Approximately ¼ mile north of security area, immediately north of KY-358

**APPROXIMATE DIMENSION:** Permitted area is 20.1 acres per the permit application surveyed area submitted on January 18, 1985. As part of the closure requirements, the area was surveyed and is 18.94 acres as specified by Dummer Surveying Company, January 12, 1995.

**FUNCTION:** Utilized for industrial trash disposal as stated in the previous SWMU Assessment Report.

**BRIEF HISTORY:** On January 18, 1985, the Department of Energy (DOE) submitted the completed permit application was submitted to the Kentucky Division of Waste Management (KDWM). The construction permit was issued February 5, 1985, by KDWM. Wastestreams to be disposed of per the permit application included fly ash and bottom, concrete, wood, roofing, rubber tires, asbestos, and other construction debris. The landfill stopped receiving waste in June 1992 and underwent closure per the regulations. This landfill was certified closed by Howard K. Bell Consulting Engineers, Inc., on November 12, 1992. DOE submitted the closure certification on December 8, 1992, to the Kentucky Department for Environmental Protection. Based upon personnel interviews and internal documentation, this area was used as a discard area for scrap and waste materials prior to the construction and permitting of the C-746-T Landfill, which is the associated with SWMU 145.

**OPERATIONAL STATUS:** Post-closure maintenance. Unit is capped and not receiving wastes.

**DATES OPERATED:** 1985 to 1992 as a permitted unit.

**SITE/PROCESS DESCRIPTION:** Per the previous SWMU Assessment Report, industrial wastes such as construction debris were placed in the landfill cell. Steam plant fly ash was used as filler material. The cells were closed by covering with clay and vegetative cover as required by the operating permit.

**WASTE DESCRIPTION:** Per the previous SWMU Assessment Report, construction waste such as concrete, wood, and rock. Fly ash from coal burning operations was used as fill. A small amount of uncontaminated scrap metal was also burned.

**WASTE QUANTITY:** A rough estimate is 403,000 cubic yards per calculations from the landfill manager. Engineering drawings are available which may be used to calculate more accurate estimates.

**SUMMARY OF ENVIRONMENTAL SAMPLING DATA:** Sampling of surface water and groundwater is conducted quarterly in accordance with Kentucky closure regulations and the landfill permit.

**DESCRIPTION OF RELEASE AND MEDIA AFFECTED:**

**GROUNDWATER:** Quarterly groundwater monitoring is conducted in accordance with the Kentucky closure regulations and the landfill permit. See the quarterly groundwater monitoring reports for analytical results.

**SURFACE WATER:** Quarterly surface water monitoring is conducted in accordance with the Kentucky closure regulations and the landfill permit. See the quarterly surface water monitoring reports for analytical results.

**SOIL:** NA

**OTHER:** Per internal correspondence, on February 28, 1992, leachate was discovered seeping from the vicinity of closed cells #1 and #2. The Kentucky Division of Water and KDWM were notified the same day. Samples were obtained and split with the state. Analytical results indicated the leachate did not contain elevated contaminant levels. On March 2, 1992, the request was made to KDWM to repair the leachate sites by using clay and soil. KDWM indicated this was the appropriate response.

**ECOLOGY AFFECTED (i.e., endangered/threatened species):** None known

**DOCUMENTATION OF NO RELEASE:** NA

**IMPACT ON OR BY OTHER SWMU/AOC:** SWMU 9 is south of this unit, SWMU 208 is north of this unit, and SWMU 145 surrounds and is under this unit. SWMU 58, the North-South Diversion Ditch outside the plant security fence, is west of this unit.

**PRG COMPARISON:** NA

**RFI NECESSARY:** No. Unit was permitted and closed with clay cap and vegetative cover. Therefore, an RFI is unnecessary.

**NOTE:** Elements included in this outline shall be considered and incorporated, as appropriate, when developing the above-referenced document.

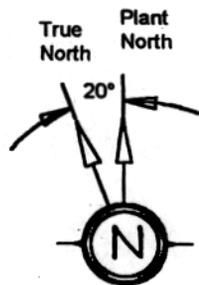
OLD\_WATERLINE\_ROAD

SWMU010

C-746-T

C-746-S

STATE ROUTE 358



600 0 600 1200 Feet

A horizontal scale bar with alternating black and white segments. The segments are labeled '600', '0', '600', and '1200 Feet' from left to right.

SWMU010

