

REVISED
PRELIMINARY ASSESSMENT/SITE INSPECTION REPORT
AND SWMU ASSESSMENT REPORT

UNIT NUMBER: 159

UNIT NAME: C-746-H3 Storage Pad

DATE: 1992
Revised 07/02/02
Revised 09/16/02
Revised 03/11/05

REGULATORY STATUS: Solid Waste Management Unit (SWMU)

LOCATION: This SWMU is located north of C-720 building on Tennessee Avenue.

APPROXIMATE DIMENSIONS: 170 ft wide by 350 ft long

FUNCTION: Storage of investigation derived waste.

BRIEF HISTORY: This area has been used from 1988 to present for temporary storage of materials. These materials include Toxic Substance Control Act regulated wastes, low-level wastes, and a separate 90-day accumulation area for temporary storage of hazardous wastes. Wastes are stored in various containers, such as 55-gallon drums and 85-gallon overpacks. On January 18, 2002, the Department of Energy received a Notice of Violation (NOV) from the Kentucky Division of Waste Management (KDWM) for storage of a container of treated sodium azide in an unpermitted storage area. This item was removed from the SWMU (Row I-07), labeled as hazardous waste, and was transferred into permitted storage. Row I-07 will undergo a RCRA closure.

As of January 4, 2005 the newly discovered waste removed from this area consists of a 6 watt light bulb, a light starter, and mercury vapor light bulbs. The light bulb and light starter were removed from Row H-02 whereas the mercury vapor light bulbs were removed from Row H-08. These items were labeled as hazardous waste and placed into a Satellite Accumulation Area (SAA) or

Resource Conservation and Recovery Act (RCRA) permitted storage.

OPERATIONAL STATUS: Active

DATES OPERATED: 1988 to present

SITE/PROCESS DESCRIPTION: A concrete pad surrounded by a fence for access control. Two clam shell facilities are constructed on the C-746-H3 pad, which cover approximately 10,000 square feet each.

WASTE DESCRIPTION: Soil cuttings, drill mud, purge and development water, personal protective equipment, decon water are stored in containers (drums and tanks) on the pad, TSCA waste, low-level waste, a 90-day storage area. Materials containing RCRA constituents have been removed from this area and transferred to either a SAA or RCRA permitted storage. See the Brief History section for a listing of the newly discovered waste removed from this SWMU.

512 cubic feet of deteriorated vinyl panels from the clamshells at the C-746-H3 Pad were removed and placed in B-25 boxes for disposal in August 2002. The panels were determined to be alpha contaminated.

WASTE QUANTITY: Building has a design capacity of 56,150 ft²; however, the waste quantity is subject to change.

SUMMARY OF ENVIRONMENTAL SAMPLING DATA:
N/A

DESCRIPTION OF RELEASE AND MEDIA AFFECTED:
Spills of non-hazardous decontamination and development water, and PCBs contaminated materials are known to have occurred. Upon discovery, spills and releases at the C-746-H3 pad were immediately cleaned up. Any PCB spill that occurred in this area was decontaminated according to 40 CFR 761 Subpart G, PCB Spill Clean Up Policy.

GROUNDWATER: N/A

SURFACE WATER: N/A

SOIL: N/A

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

DOCUMENTATION OF NO RELEASE:

There have been no known spills to reach soils, surface water, or groundwater.

IMPACT ON OR BY OTHER SWMU/AOC:

SWMU 395 and 483 is located in the area. There was no evidence of any impact on or by any other SWMU.

PRG COMPARISON: N/A

RFI NECESSARY:

No. This area poses no threat to the human health and the environment. No spills or other releases to the environment from this area are known. This SWMU is included in Appendix A-5 of the Paducah RCRA Permit, which identifies SWMUs included in the Decontamination and Decommissioning Operable Unit.



**SWMU 159 C-746-H3 Pad, Row H 08
March 2005**

