

**Scrap Material and Burial Area West of C-746-A
Solid Waste Management Unit (SWMU) Assessment Report**

SWMU/AOC NUMBER: 520

DATE OF ORIGINAL SAR: 2/18/02

DATE OF SAR REVISIONS: 06/14/10

REGULATORY STATUS: SWMU

LOCATION: SWMU 520 is located west of the C-746-A Building and north of SWMU 472.

APPROXIMATE DIMENSION OR CAPACITY: 232,000 ft²

FUNCTION: This area is used as a storage area for old equipment and materials.

BRIEF HISTORY: Since the 1970s, the area west of C-746-A was used as a storage area for old equipment and material. Geophysics surveys were conducted in February 2009 at this location and revealed potential buried material in the area. (See attached map.)

PRESENT OPERATIONAL STATUS: Active

DATES OPERATED: 1970s to present.

SITE/PROCESS DESCRIPTION: An outside DOE storage area containing potential buried material located within the plant security fence.

WASTE DESCRIPTION: Old pallets; old equipment, such as tow motors, forklifts, welding rigs and fixtures; vehicles; and vehicle trailers are located in this area, as well as wooden saddles from the cylinder yards.

WASTE QUANTITY: Since January 2007, 33,000 ft³ has been dispositioned. The waste quantity is not static because waste is routinely added to the storage area and moved out of the area for off-site shipment or disposal.

SUMMARY OF ENVIRONMENTAL SAMPLING DATA: No sampling of environmental media has occurred.

DESCRIPTION OF RELEASE AND MEDIA AFFECTED: None Known

GROUNDWATER:	None Known
SURFACE WATER:	None Known
SOIL:	None Known
ECOLOGY AFFECTED: (i.e., threatened/endangered species):	None Known

DOCUMENTATION OF NO RELEASE: No documents were identified indicating a spill or release at this unit.

IMPACT ON OR BY OTHER SWMU/AOC: There is no evidence that this SWMU impacts or is impacted by other SWMUs.

PRG COMPARISON: N/A

RFI NECESSARY: Yes.

OPERABLE UNIT ASSIGNMENT: Soils Operable Unit and Additional Burial Grounds Sources Operable Unit (as part of the post-gaseous diffusion plant shutdown activities).



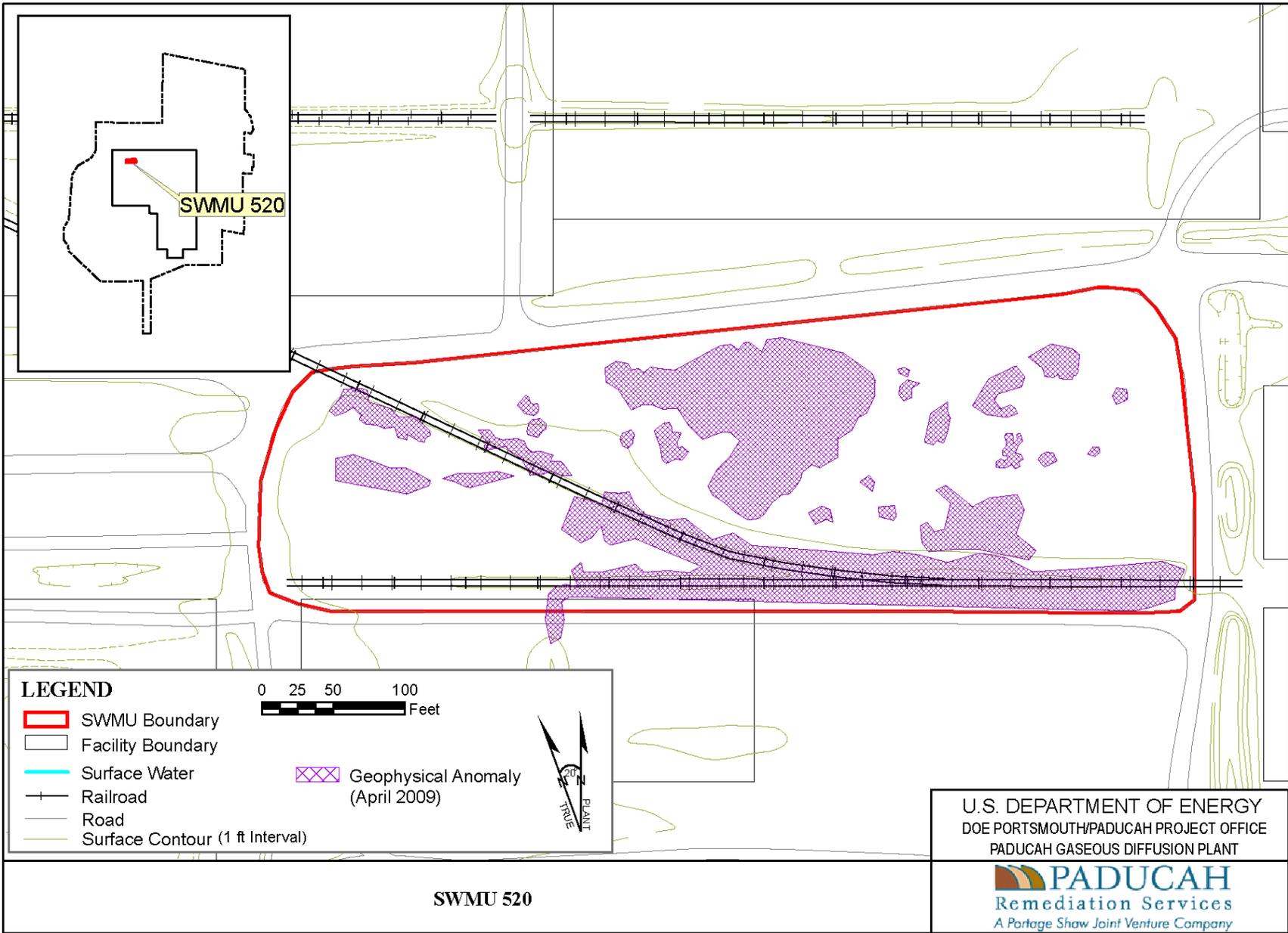
SWMU 520
View Looking South
February 18, 2002



SWMU 520
View Looking Northwest
January 2007



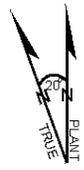
SWMU 520
View Looking West
April 2009



LEGEND

- SWMU Boundary
- Facility Boundary
- Surface Water
- Railroad
- Road
- Surface Contour (1 ft Interval)
- Geophysical Anomaly (April 2009)

0 25 50 100
Feet



SWMU 520

U.S. DEPARTMENT OF ENERGY
DOE PORTSMOUTH/PADUCAH PROJECT OFFICE
PADUCAH GASEOUS DIFFUSION PLANT



Figure No. bgou\swmu520_sar.mxd
DATE 10-02-09