

**PRELIMINARY ASSESSMENT/SITE INSPECTION REPORT
AND AOC/SWMU ASSESSMENT REPORT**

UNIT NUMBER: 490

UNIT NAME: McGraw Fuel Facility Waste Oil Underground Storage Tank

DATE: 10/15/01

REGULATORY STATUS: SWMU

LOCATION: Center of C-746-K (south) cylinder yard. See enclosed map.

APPROXIMATE DIMENSION: Approximately 18 feet in length and 7 feet in diameter.

FUNCTION: Waste Oil Storage Tank

BRIEF HISTORY: An underground storage tank (UST) was discovered as a result of the C-745-K (South) cylinder yard construction project on August 16, 2001. During excavation, a steel vertical collar was discovered in the center of the C-745-K (South) cylinder yard. As the area was further excavated with the backhoe, a flange fitting was broken loose and approximately a pint of oil was released from where the flange fitting had been located. Work was immediately stopped in the area and the area was roped off. Spill pads were placed on the oil spill and over the tank opening where the flange fitting had broken off. The tank contents were sampled on August 17, 2001. The openings in the tank were plugged to prevent further release of materials. At that time, the estimated amount of used oil released from the tank was approximately 2 gallons. The tank area was covered with plastic to prevent rainfall from contacting the exposed tank and potentially contaminated soils. This information was reported to the appropriate state agencies.

On August 29, 2001, oil was observed on top of the plastic. Oil had leaked from the plugged hole and had seeped through a hole in the plastic. It is estimated

approximately two to five gallons of oil had been released during this time. The cause of the release was that the plug was inadequate. On August 31, 2001, and September 4, 2001, approximately 5100 gallons of water was removed from the tank. An estimated 20 gallons of rainwater with an oil sheen was containerized from the UST excavation area. Soils contaminated with the used oil from the tank were excavated and containerized in 1½ B-25 boxes. Plastic was placed over the UST excavation area until the UST is removed. The UST was registered in accordance with the Kentucky Underground Storage Tank regulations. A notice of intent to close the tank was submitted on September 21, 2001, to the state.

OPERATIONAL STATUS:

Out of Service.

DATES OPERATED:

Presumed 1951 to 1954.

SITE/PROCESS DESCRIPTION:

This tank appears to be a waste oil tank used by F.H. McGraw Company during the construction of the PGDP. This tank was used as part of a temporary filling and maintenance station.

WASTE DESCRIPTION:

Tank, oil, contaminated water, rain water, and contaminated soil.

WASTE QUANTITY:

Tank - approximately 18 feet in length and 7 feet in diameter; approximately 85 gallons of oil; 5100 gallons of water; 1 ½ B-25 Boxes of soil; and 20 gallons of rain water.

SUMMARY OF ENVIRONMENTAL SAMPLING DATA:

No sample data is available at this time.

DESCRIPTION OF RELEASE AND MEDIA AFFECTED:

Approximately two to five gallons of oil were released from this tank during August 2001. Soil and contained rainwater were contaminated. No samples have been collected at this time.

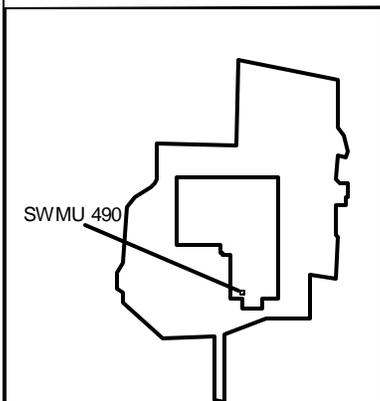
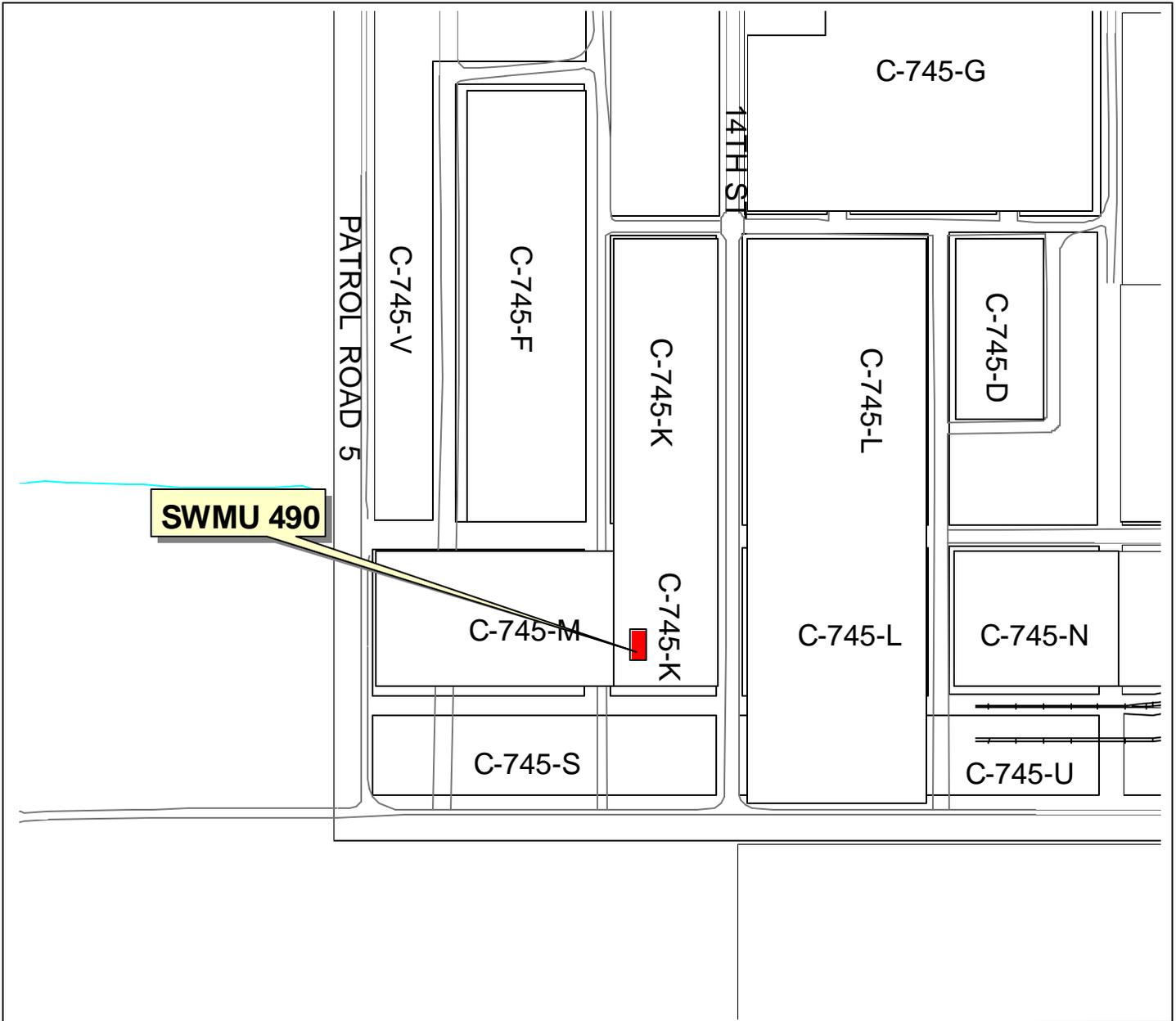
GROUNDWATER:

NA

SURFACE WATER:

NA

SOIL:	NA
ECOLOGY AFFECTED (i.e., endangered/threatened species):	NA
DOCUMENTATION OF NO RELEASE:	NA
IMPACT ON OR BY OTHER SWMU/AOC:	This unit is located within SWMU 193.
PRG COMPARISON:	NA
RFI NECESSARY:	No. The unit will be closed in accordance with the Kentucky UST Branch regulations. These regulations provide for remediation of contaminated materials and any materials that have been released.



LEGEND:

- SWMU 490 Area
- Buildings

70 0 70 140 Feet



U.S. DEPARTMENT OF ENERGY
DOE OAK RIDGE OPERATIONS
PADUCAH GASEOUS DIFFUSION PLANT



BECHTEL JACOBS COMPANY LLC
MANAGED FOR THE U.S. DEPARTMENT OF ENERGY UNDER
U.S. GOVERNMENT CONTRACT DE-AC-05-98OR22700
Oak Ridge, Tennessee Paducah, Kentucky Portsmouth, Ohio

SWMU 490 McGraw Fuel Facility Waste Oil Underground Storage Tank





SWMU 490 McGraw Fuel Facility Waste Oil Underground Storage Tank