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NSA MID SOUTH
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STATEMENT OF BASIS SOLID WASTE MANAGEMENT UNIT 63 FORMER UNDERGROUND
WASTE TANK MILLINGTON SUPPACT TN

**Statement of Basis
Solid Waste Management Unit 63
Former Underground Waste Tank
Naval Support Activity Mid-South
Millington, Tennessee**

INTRODUCTION

This Statement of Basis contains a summary of the location, operating history, contaminants detected, and remedy selected for Solid Waste Management Unit (SWMU) 63, Former Underground Waste Tank, Naval Support Activity Mid-South, Millington, Tennessee. It should be noted that all analytical data for soils was compared to Region III Risk Based-Screening Criteria (RBCs). Groundwater analytical data was compared to Maximum Contaminant Levels (MCLs). Where there was no groundwater MCL, Region III RBC's were used for comparison.

SPECIFIC SITE

SWMU 63, on NSA Mid-South's Southside (Figure 1) consists of an approximately 7-foot by 7.5-foot area adjacent to the southwest corner of Building S-75 (boiler plant) that formerly contained a 65-gallon, stainless steel underground waste tank which was removed in April 1992.

SUMMARY OF CONTAMINANT EVALUATION

When the 65-gallon underground waste tank at SWMU 63 was removed in April 1992, no soil contamination was evident. Analysis of the contents from the tank, prior to its removal, detected elevated solvent concentrations. After removal of the tank, four soil samples were collected from the excavated tank pit. Although analytical results showed that all parameters tested were undetected in the soil samples, the 1990 RFA recommended that a RCRA Facility Investigation (RFI) be conducted to confirm whether hazardous substances were present.

During the Investigation, one boring was advanced in the area of the former tank, from which a surface soil (0-1 foot) sample and two subsurface soil samples were collected. The subsurface samples were collected from approximately 6-8 feet below ground surface (bgs), and from 14-16 feet bgs, the latter depth interval similar to that estimated for the bottom of the removed tank. To assess whether the former tank had impacted the groundwater, a groundwater sample was also collected from the upper portion of the fluvial deposits aquifer at the same boring location. The boring location can be found on Figure 2. Samples were analyzed for volatile organic compounds (VOCs). No additional samples were collected for the RFI.

Soils

None of the analytes detected exceeded relevant action levels.

Groundwater

No VOCs were detected in the groundwater sample collected from the boring at SWMU 63.

SELECTED REMEDY

Investigations at SWMU 63 indicate no release of contaminants above relevant action levels. Based on the available information, the proposed remedy is no further action (NFA).

REFERENCES

- National Salvage and Service Corporation. (1992, July). *Underground Storage Tank Closure Report, Tank No. S-75W*. Bloomington, Indiana.
- ERC/EDGE. (1990, September). *RCRA Facility Assessment, NAS Memphis*. Nashville, Tennessee.
- EnSafe/Allen & Hoshall. (1996, July 8). *Assembly F Site Investigation Plan, RCRA Facility Investigation, Naval Support Activity Memphis, Millington, Tennessee — Confirmatory Sampling Investigation, SWMUs 20, 22 and 63, 30, and 39*. Revision 1. Memphis, Tennessee.
- EnSafe Inc. (1998, July 31). *Confirmatory Sampling Investigation Report, Assembly F, SWMUs 20, 22/63, 30, and 39, Naval Support Activity Memphis, Millington, Tennessee*. Revision 2. Memphis, Tennessee.
- EnSafe Inc. (2000, September 15). *RCRA Facility Investigation Report Assembly F — SWMUs 17, 19, 20, 22, 39, and 63, Naval Support Activity Mid-South, Millington, Tennessee*. Revision 1. Memphis, Tennessee.

FIGURES FOR SWMU 63

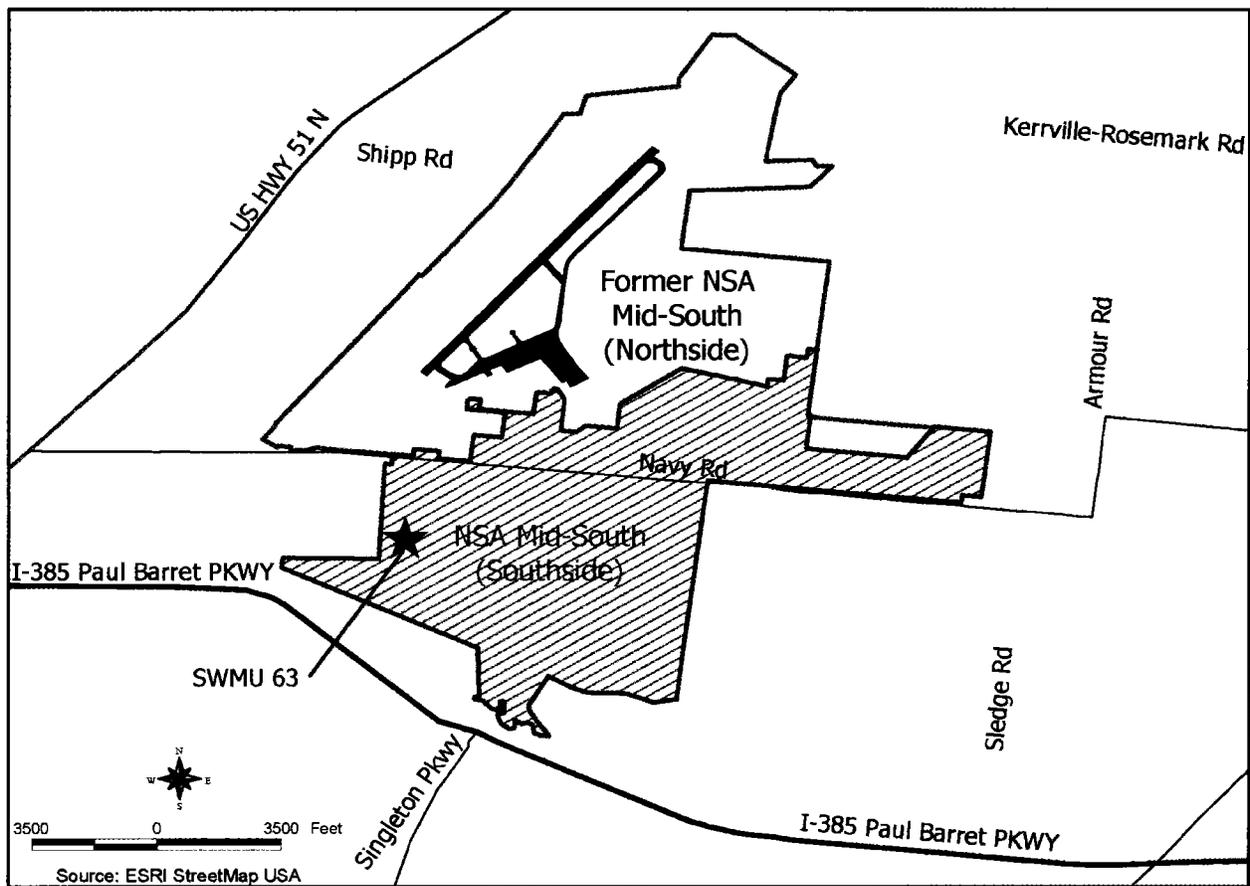
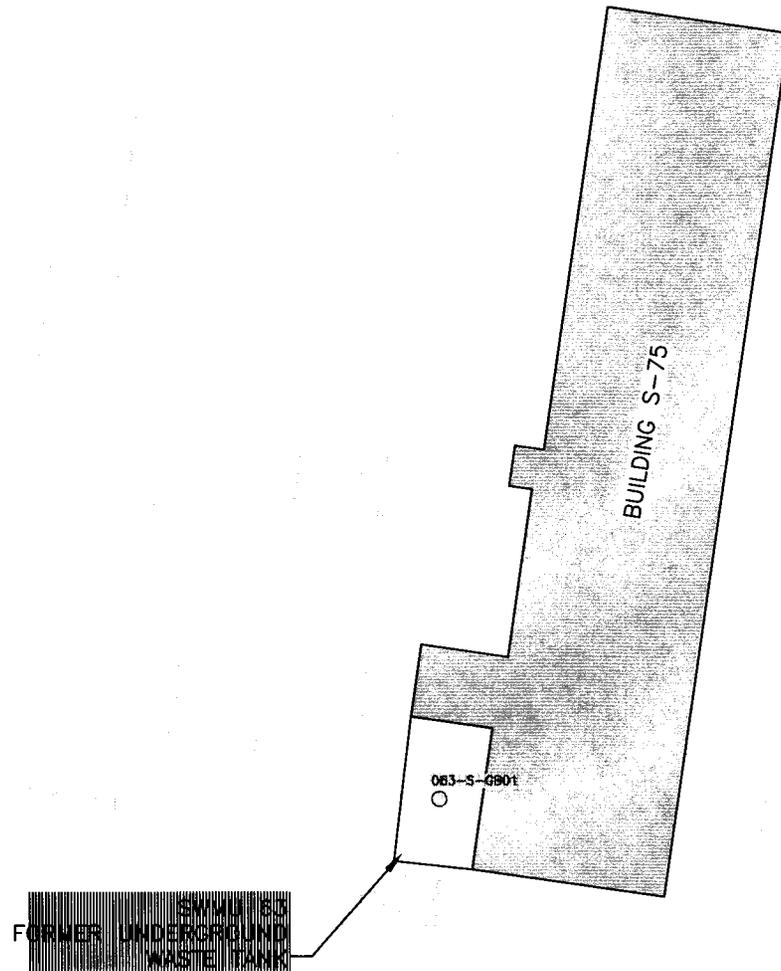


Figure 1: SWMU 63 Location at NSA Mid-South, Millington, Tennessee
Former Underground Waste Tank

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AREA OF INTEREST



LEGEND

- - SAMPLE LOCATION FOR SOIL AND GROUNDWATER
- 063-S-GB01 - BORING NUMBER
- - NSA MID-SOUTH BOUNDARY
- - AREA OF INVESTIGATION
- ▨ - BUILDING
- - EXCAVATION AREA

- - NSA MID-SOUTH BOUNDARY
- - AREA OF INVESTIGATION

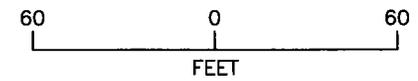


FIGURE 2
SWMU 63 STATEMENT OF BASIS
SOIL & GROUNDWATER SAMPLING LOCATION