



TECHNICAL MEMORANDUM

Date: October 6, 2004
To: Indian Head Installation Restoration Team
From: Kim C. Turnbull, Tetra Tech NUS, Inc.
Subject: Decision Document
Site 9 – Patterson Avenue Oil Spill
Naval District Washington, Indian Head
Indian Head, Maryland

1.0 INTRODUCTION

This technical memorandum is a Decision Document (DD) addressing Installation Restoration (IR) Program Site 9, Patterson Avenue Oil Spill, at Naval District Washington, Indian Head (NDW-IH) in Indian Head, Maryland. The DD describes the history of Site 9, summarizes key findings from a review of available documents from the period 1983 to 2004, and recommends a site management decision based on the document review findings.

This DD was prepared by Tetra Tech NUS, Inc. (TtNUS) under the Comprehensive Long-Term Environmental Action Navy (CLEAN) Contract Number N62472-03-D-0057, Contract Task Order Number 0007.

Site 9 was identified in Appendix A of the Federal Facilities Agreement (FFA) (EPA and DoN, 2000) for NDW-IH as a Site Screening Area (SSA) with suspected contamination requiring investigation under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Program. Utilizing existing site information, this DD was prepared in accordance with Section 9.3D(3) of the FFA for an SSA that has been determined to not warrant a Remedial Investigation (RI) or status as an Accelerated Operable Unit (AOU) (FFA Section 2.1.A).

2.0 SITE DESCRIPTION AND OPERATIONAL HISTORY

Site 9 is located in the north-central portion of the Main Area of NDW-IH. The site was reportedly the location of a 1958 fuel spill from a tanker truck at the intersection of Strauss Avenue and Patterson Avenue near Building 320. Approximately 10,000 gallons of an unspecified fuel oil were reportedly spilled when the vehicle overturned. The facility recovered an unknown amount of the fuel oil immediately

following the spill. It is unlikely that the reported volume of the spill is correct. Larger tanker trucks have a maximum capacity of 5,000 to 6,000 gallons because of road weight restrictions. Also, it is unlikely that the entire volume of the tanker was released.

3.0 INVESTIGATION HISTORY

An Initial Assessment Study (IAS) was completed in 1983 to determine if the potential for contamination existed at Site 9 (Hart, 1983). No environmental sampling has been conducted specifically for Site 9; however, samples were collected during the closure of underground storage tanks (USTs) at nearby Buildings D-6 and D-8.

4.0 DOCUMENT REVIEW

The following documents and information were reviewed as part of the preparation of this DD for Site 9:

- Initial Assessment Study (Hart, 1983).
- Sample data and information from NDW-IH UST Program files related to closure of USTs at Buildings D-6 and D-8.

5.0 SUMMARY OF KEY FINDINGS

A site reconnaissance during the IAS did not indicate any signs of spillage or stressed vegetation in the site area. Further study was not recommended. A site visit conducted by TtNUS and NDW-IH personnel in April 2004 confirmed the findings of the IAS.

Buildings D-6 and D-8 are located approximately 100 feet and 200 feet downgradient, respectively, from the location of the reported spill. A large fuel oil spill could readily migrate to these locations. Samples were collected during the closure of USTs associated with these buildings. The USTs were closed with concurrence from the Maryland Department of the Environment (MDE) Oil Control Program. This indicates that there is no residual petroleum contamination in excess of regulatory limits at the site.

6.0 RECOMMENDATIONS

The evaluation of existing information indicates that no further action for Site 9 is required to protect human health and the environment. The existence of the site will be reported to the MDE Oil Control Program for consideration of future action.

7.0 REFERENCES

EPA and DoN (USEPA Region III and U.S. Department of the Navy), 2000. Federal Facility Agreement. U.S. Department of the Navy, Naval Surface Warfare Center, Indian Head Division, Indian Head, Maryland. Docket Number: III-FCA-CERC-018.

Hart (Hart, Fred C. Associates, Inc.), 1983. Initial Assessment Study, Naval Ordnance Station, Indian Head, Maryland. New York, New York.

