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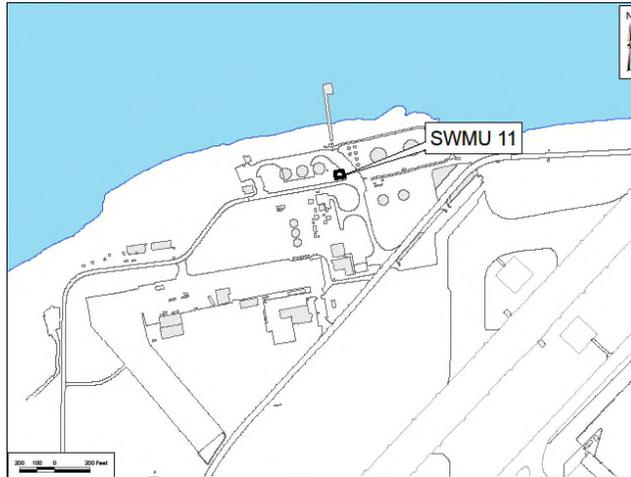
STATEMENT OF BASIS FOR SOLID WASTE MANAGEMENT UNIT 11 NS MAYPORT FL
4/14/2014
TETRA TECH

STATEMENT OF BASIS
Solid Waste Management Unit 11
Naval Station Mayport
Jacksonville, Florida



USEPA ID #FL9 170 024 260

April 14, 2014



Facility/Unit Type: Naval Station

Contaminants: No Contaminants Exceed Florida Soil/Groundwater Cleanup Target Levels

Media: Soil and Groundwater

Corrective Action: Soil – No Action; Groundwater – No Action

SUMMARY

The proposed corrective action for **Solid Waste Management Unit (SWMU) 11** at Naval Station (NAVSTA) Mayport is **No Action** for **soils** and **groundwater**. SWMU 11 was impacted by a release of petroleum fuel near the fuel loading rack. No **contaminants of concern (COCs)** are identified for soil or groundwater at SWMU 11.

The public is invited to comment on this proposed corrective action or any other **corrective measure** alternative including those not previously studied. Information on how the public may participate in this decision-making process is provided in the Public Participation section of this document.

INTRODUCTION

Pursuant to the **Resource Conservation and Recovery Act (RCRA)**, as amended by the 1984 **Hazardous and Solid Waste Amendments (HSWA)**, the **Florida Department of Environmental Protection (FDEP)** issued the renewed HSWA permit to NAVSTA Mayport on August 17, 2009.

This **Statement of Basis (SB)** identifies the proposed corrective action for SWMU 11, explains why the selected corrective action was chosen, solicits public review and comment on this decision, and provides information regarding how the public can be involved in the corrective action selection process. Additional details regarding the facility, environmental investigations, and the evaluation of the corrective measure alternatives may be found in the **RCRA Facility Investigation (RFI)** and **Corrective Measures Study (CMS)**. These documents are kept as part of the Administrative Record at the **Information Repository**. Refer to the Public Participation section of this document for their location. A glossary, which defines some of the technical terms contained herein, is included at the end of this document.

The corrective measures reflected in this SB are those proposed by the United States Navy and the FDEP for implementation at SWMU 11. Changes to the proposed corrective measure or a change from the proposed corrective action to another appropriate solution will require public participation as described in this document.

PROPOSED CORRECTIVE ACTION

The proposed corrective measure at NAVSTA Mayport SWMU 11 is No Action for soils and groundwater.

FACILITY BACKGROUND

NAVSTA Mayport is located near the town of Mayport within the city limits of Jacksonville, Florida, in northeastern Duval County on the southern shore of the confluence of the St. Johns River and the Atlantic Ocean (see Figure 1). SWMU 11 is located in the northwestern portion of NAVSTA Mayport (see Figure 2).

SWMU 11 (Fuel Loading Rack) is adjacent to the fuel loading rack that is used to load tanker trucks. Soil borings were advanced in the mid-1980s to assess an identified release of petroleum fuel that was anticipated to be JP-4, JP-5, or diesel marine fuel. The release was suspected to originate from the waste oil pit formerly located east of the Fuel Farm area. An expanded investigation into the release was completed in 1987 and consisted of soil boring samples and installation and sampling of three groundwater wells.

The RFI at SWMU 11 was conducted by ABB Environmental Services, Inc. between 1993 and 1994 as part of the Group II field investigation activities. Field activities consisted of field screening, collection of surface and subsurface soil samples, and collection of groundwater samples. The initial RFI recognized a release of petroleum had occurred based on subsurface exceedances for total petroleum hydrocarbons (TPH); however, no specific actions were recommended for remediation for SWMU 11.

In 2006 and 2007, Tetra Tech conducted an RFI Addendum to compare data to new FDEP Cleanup Target Levels (CTLs) promulgated in 2005. During the RFI Addendum, surface soil and subsurface soil samples were collected and analyzed for volatile organic compounds (VOCs), semivolatle organic compounds (SVOCs), polychlorinated biphenyls (PCBs), metals, and TPH. To assess groundwater impacts at SWMU 11, newly installed and existing monitoring wells were sampled. Groundwater samples were analyzed for VOCs, SVOCs, PCBs, metals, and TPH.

Analytical results of the RFI Addendum soil and groundwater sampling were compared to the 2005 FDEP CTLs and the NAVSTA Mayport Background Screening Values (BSVs). No surface soil sample results exceeded the FDEP Soil Cleanup Target Levels (SCTLs) or NAVSTA Mayport BSVs. Four subsurface soil samples' results exceeded residential,

industrial, and leachability SCTLs for TPH. Further research showed the samples had been collected in the saturated zone, and were evaluated with groundwater. Groundwater samples results for SWMU 11 did not exceed Groundwater Cleanup Target Levels (GCTLs); therefore, no COCs for groundwater are identified.

Figure 1. Naval Station Mayport Location Map

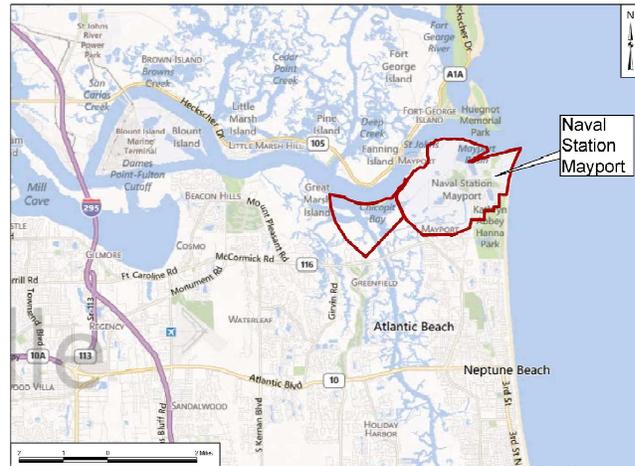
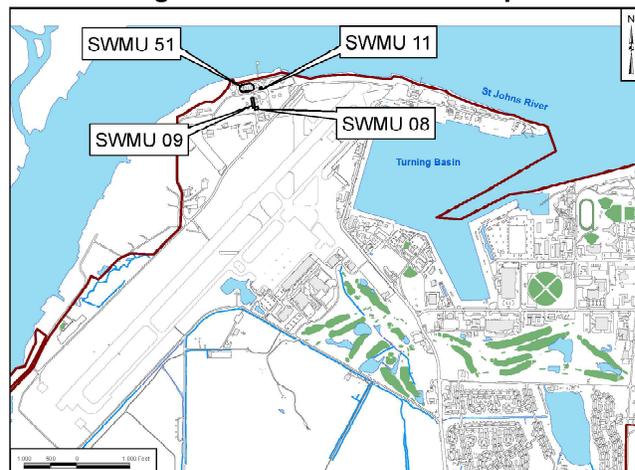


Figure 2. SWMU Location Map



SUMMARY OF FACILITY RISKS

The FDEP CTLs are based upon human health risk criteria. Sample results that exceed the FDEP CTLs indicate a potential concern for SWMU 11.

Human Health Risk Assessment

Soil. No analytes were detected at concentrations exceeding residential screening values; therefore, no human health risks were identified for soil.

Groundwater. No analytes were detected at concentrations exceeding residential screening values; therefore, no human health risks were identified for groundwater.

SCOPE OF CORRECTIVE ACTION

No COCs have been identified for soil or groundwater. The proposed corrective action for SWMU 11 is No Action.

SUMMARY OF ALTERNATIVES

No Action is the only alternative selected.

EVALUATION OF THE PROPOSED REMEDY AND ALTERNATIVES

No evaluation of alternatives is required.

RECOMMENDATIONS

No Action is recommended for the soil and groundwater at SWMU 11.

PUBLIC PARTICIPATION

To make a final decision and incorporate corrective measures into the HSWA permit, the FDEP is soliciting public review and comment on this SB for the proposed corrective action for SWMU 11 at NAVSTA Mayport. The 40 Code of Federal Regulations (CFR) 124.10(6) requires a 45-day comment period for a permit modification request made by the permittee under RCRA. The FDEP has undertaken the lead role on this request initiated by the Navy (the permittee). The comment period will begin on April 14, 2014, and will be published in the *Jacksonville Daily Record*.

Copies of the RFI, CMS Report, and the SB are available for public review at the Information Repository located at the Jacksonville Public Library - Beaches Branch, 600 3rd Street, Neptune Beach, Florida, 32266 [Phone (904) 241-1141].

A public hearing will be held if one is requested. To request a public hearing, to obtain more information about this SB, or to submit written comments, please contact Paul Malewicki or John Winters (contact information provided below).

All comments must be postmarked no later than May 30, 2014.

CONTACT

NAVY

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Next Steps

Unless otherwise indicated, the FDEP will modify the HSWA permit to incorporate the final decision on the RCRA permit modification request when the permit is renewed. The final decision will detail the corrective measure chosen for SWMU 11 and will consider comments received during the **public comment period** in a **Response to Comments Summary**.

When the permit is modified, notice will be given to the Navy and to each person who has submitted written comments or who has requested notice of the final decision. The final permit decision shall become effective 30 days after the issuance of the notice of the decision unless a later date is specified or review is requested under 40 CFR 124.19. If no comments are received requesting a change in the draft permit, the final permit modification shall become effective immediately upon issuance.

KEY WORDS

BSV	Background Screening Value	RCRA	Resource Conservation and Recovery Act
CFR	Code of Federal Regulations	RFI	RCRA Facility Investigation
CMS	Corrective Measures Study	SB	Statement of Basis
COC	Contaminant of Concern	SCTL	Soil Cleanup Target Level
CTL	Cleanup Target Level	SVOC	Semivolatile Organic Compound
FDEP	Florida Department of Environmental Protection	SWMU	Solid Waste Management Unit
GCTL	Groundwater Cleanup Target Level	TPH	Total Petroleum Hydrocarbons
HSWA	Hazardous and Solid Waste Amendments	USEPA	United States Environmental Protection Agency
NAVSTA	Naval Station	VOC	Volatile Organic Compound
PCB	Polychlorinated Biphenyl		

GLOSSARY

Aquifer: An underground layer of permeable rock sediment, or soil capable of storing and transporting water within cracks and pore spaces or between grains.

Contaminant of Concern (COC): A chemical detected in environmental media at a concentration that may adversely affect human health or ecological receptors.

Corrective Measure: The actual construction or cleanup phase following the selection of cleanup alternatives.

Corrective Measures Study (CMS): An engineering analysis and report that identifies, evaluates, and compares the most appropriate technical approaches for addressing contamination at a SWMU.

Florida Department of Environmental Protection (FDEP): The state agency responsible for implementing Florida environmental laws.

Groundwater: Water found within an aquifer.

Hazardous and Solid Waste Amendments (HSWA): Amendments to RCRA, passed in 1984, which greatly expand the nature and complexity of activities covered under RCRA.

Information Repository: A public file containing technical reports, reference documents, and other materials relevant to the SWMU cleanup.

No Action: Recommendation or decision indicating no contaminants above regulatory limits.

Permit: A RCRA permit, issued for NAVSTA Mayport, establishes the facility's operating conditions for managing hazardous waste.

Public Comment Period: A legally required opportunity for the community to provide written and oral comments on a proposed environmental action.

RCRA Facility Investigation (RFI): Evaluates the nature and extent of the releases of hazardous waste.

Resource Conservation and Recovery Act (RCRA) of 1976: Requires each hazardous waste treatment, storage, and disposal facility to manage hazardous waste in accordance with a permit issued by the USEPA or a state agency that has a hazardous waste program approved by the USEPA.

Response to Comments Summary: A document summarizing the public comments received and the responses to the comments.

Risk Assessment: A study estimating the potential risk a SWMU poses to human health and the environment.

Soils: Soils include surface soil, which is soil from 0 to 2 feet below land surface, and subsurface soil, which is soil 2 feet below land surface and deeper.

Solid Waste Management Unit (SWMU): Any discernible unit (to include regulated units) at which RCRA regulated waste has been placed at any time, irrespective of whether the unit was intended for the management of solid or hazardous waste.

Statement of Basis (SB): A public participation document detailing the proposed corrective measure at an SWMU.

United States Environmental Protection Agency (USEPA): The federal agency responsible for implementing United States environmental laws.

**Comments on the Statement of Basis for
Solid Waste Management Unit 11**

Place
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