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STATEMENT OF BASIS FOR SOLID WASTE MANAGEMENT UNIT 56 NS MAYPORT FL
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STATEMENT OF BASIS
Solid Waste Management Unit 56
Naval Station Mayport
Jacksonville, Florida



USEPA ID #FL9 170 024 260

April 14, 2014



Facility/Unit Type: Naval Station

Contaminants: Soil - No Contaminants Exceeding Residential Cleanup Target Levels
Groundwater - Iron and Manganese Exceed Cleanup Target Levels, But Are Less Than NAVSTA Mayport Background Screening Levels

Media: Soil and Groundwater

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

SUMMARY

The proposed corrective action at **Solid Waste Management Unit (SWMU) 56**, Building 1552 Accumulation Area, at Naval Station (NAVSTA) Mayport is **No Action** for **soils** and **groundwater**. SWMU 56 is a 90-day satellite storage area for steel drums containing wastes such as solvents, paint thinners, used rags, aerosol cans, and waste oils. The SWMU is located south of the squadron helicopter hangar. No **contaminants of concern (COCs)** were identified at SWMU 56 in any media.

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** for NAVSTA Mayport on August 17, 2009.

This **Statement of Basis (SB)** identifies the proposed corrective action for SWMU 56, explains why the selected corrective action was chosen, solicits public review and comment on this decision, and provides information as to 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 Assessment Sampling Visit (RFA-SV)** and **Corrective Measures Study (CMS)** reports. 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 56. 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 action at SWMU 56 at NAVSTA Mayport is No Action.

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 56, the Building 1552 Accumulation Area, is located in the central part of NAVSTA Mayport (see Figure 2). The site is located south of the squadron helicopter hangar.

Figure 1. Naval Station Mayport Location Map

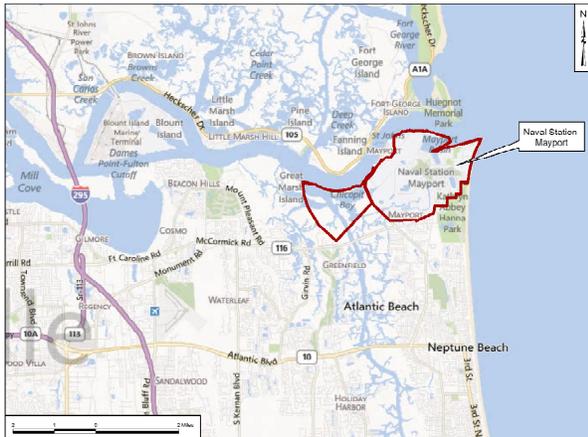


Figure 2. SWMU Location Map



SWMU 56 has been in operation since 1985. SWMU 56 consists of a stained area of stressed vegetation. The site is a 90-day accumulation area (satellite storage area) for steel drums containing wastes such as solvents, paint thinners, used rags, aerosol cans, and waste oils.

Four surface and four subsurface soil samples were collected in 1992 and analyzed for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), pesticides, polychlorinated biphenyls (PCBs), metals, and cyanide. VOCs, SVOCs, metals, and cyanide were detected in various combinations and concentrations in surface soil samples collected during the 1992 sampling event. Pesticides and PCBs were not detected in the surface and subsurface soil samples.

Confirmatory sampling of soil and groundwater at SWMU 56 was performed during September 1994 by collecting additional four surface and four subsurface soil samples, installing a single monitoring well, and collecting a groundwater sample. All soil and groundwater samples collected were analyzed for VOCs, SVOCs, pesticides, PCBs, metals, and cyanide. Iron and manganese concentrations exceeded FDEP Groundwater Cleanup Target Levels (GCTLs). The NAVSTA Mayport Background Screening Values (BSVs) were calculated and approved by FDEP in their letter dated April 16, 2001, based upon naturally-occurring conditions in the soil and groundwater. The groundwater samples, which exceeded FDEP GCTLs, did not exceed the NAVSTA Mayport BSVs for iron and manganese. No contaminants were identified as COCs in the surface soil, subsurface soil, or groundwater.

SUMMARY OF FACILITY RISKS

The FDEP Cleanup Target Levels (CTLs) are based upon human health risk criteria. Sample results that exceed the FDEP CTLs indicate a potential concern for SWMU 56.

Human Health Risk Assessment

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

Groundwater. Groundwater sample results were compared to the FDEP GCTLs and the NAVSTA Mayport BSVs. Iron and manganese exceeded GCTLs, but did not exceed the NAVSTA Mayport BSVs. No COCs were identified for groundwater at SWMU 56; therefore, a groundwater COC evaluation is not required.

SCOPE OF CORRECTIVE ACTION

No COCs are identified in the soils at SWMU 56; therefore, No Action is proposed for the soil and groundwater at SWMU 56.

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 soils and groundwater at SWMU 56.

PUBLIC PARTICIPATION

The FDEP is soliciting public review and comment on this SB for the proposed corrective action for SWMU 56 at NAVSTA Mayport. The FDEP will use the comments from the public to determine the final decision and to incorporate the corrective measures into the HSWA permit. 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 RFA-SV, CMS, 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, telephone (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

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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 56 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
CFR	Code of Federal Regulations
CMS	Corrective Measures Study
COC	Chemical of Concern
FDEP	Florida Department of Environmental Protection
GCTL	Groundwater Cleanup Target Level
HSWA	Hazardous and Solid Waste Amendments
NAVSTA	Naval Station
PCB	Polychlorinated Biphenyl
RCRA	Resource Conservation and Recovery Act
RFA-SV	RCRA Facility Assessment-Site Visit
SB	Statement of Basis
SVOC	Semivolatile Organic Compound
SWMU	Solid Waste Management Unit
USEPA	United States Environmental Protection Agency
VOC	Volatile Organic Compound

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.

Chemical 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 an 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.

Human Health Baseline Risk Assessment: Study to determine the likelihood that a given exposure or series of exposures may have damaged or will damage human health.

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 Assessment-Site Visit (RFA-SV): ????

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.

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 56**

Place
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