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STATEMENT OF BASIS FOR SOLID WASTE MANAGEMENT UNIT 28 NS MAYPORT FL  
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**STATEMENT OF BASIS**  
**Solid Waste Management Unit 28**  
**Naval Station Mayport**  
**Jacksonville, Florida**



**USEPA ID #FL9 170 024 260**

**April 14, 2014**



**Facility/Unit Type: Naval Station**

**Contaminants: Soil - Arsenic Exceeds Residential Cleanup Target Levels, But Does Not Exceed NAVSTA Mayport Background Screening Values**  
**Groundwater - No Contaminants Exeed Residential Cleanup Target Levels**

**Media: Soil and Groundwater**

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

## **SUMMARY**

The proposed corrective action at **Solid Waste Management Unit (SWMU) 28**, Defense Reutilization and Marketing Office (DRMO) Storage Area, at Naval Station (NAVSTA) Mayport is **No Action** for **soils** and **groundwater**. SWMU 28 is currently used for staging scrap metal and salvaged items, and in the past has been used to store transformers, paints, and solvents. The SWMU is an entirely fenced area located on an abandoned asphalt runway south of the former Oily Waste Pit (SWMU 6) and the Oily Waste Treatment Plant sludge drying beds (SWMU 7). **No contaminants of concern (COCs)** were identified at SWMU 28 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 28, 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 28. 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 28 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 28, the DRMO Storage Area, is located in northern portion of NAVSTA Mayport (see Figure 2).

Figure 1. Naval Station Mayport Location Map

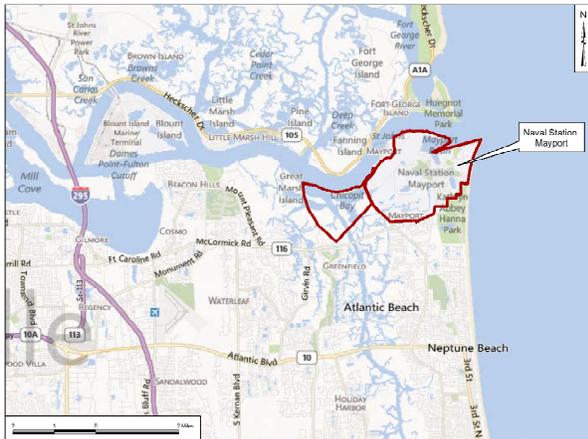


Figure 2. SWMU Location Map



The site is located on an abandoned asphalt runway south of the former oily waste pit (SWMU 6) and the Oily Waste Treatment Plant sludge drying beds (SWMU 7). The storage area is located on an abandoned runway approximately 1,300 feet long by 150 feet wide and is oriented west to east parallel to the St. Johns River. An area of runway extends to the south approximately 800 feet from the western end of the SWMU. The entire DRMO area is fenced.

SWMU 28 is used for staging scrap metal and other items turned in to the DRMO for salvage. The area has been in use since 1967, and items stored there include transformers (oils and polychlorinated biphenyls [PCBs]), paints (lead), and solvents (chlorinated and non-chlorinated) that may have leaked or spilled. SWMU 28 was identified as Naval Installation Restoration Program Site 10 in the Initial Assessment Study, in which it estimated that less than 200 gallons of liquid had been spilled in the area. The RFA recommended that soil samples be collected in the vicinity of the runway pad based on the inventory of materials stored at and possibly spilled in the area.

Confirmatory sampling was conducted by ABB Environmental Services, Inc. in August 1994 as part of the RFA-SV. Field activities consisted of collection of surface and subsurface soil samples and groundwater samples. Thirty-five surface samples and six subsurface samples were collected and analyzed for volatile organic compounds, semivolatile organic compounds, pesticides, PCBs, metals, and cyanide during the RFA-SV. Five groundwater samples were also collected during the RFA-SV. Arsenic exceeded the FDEP Soil Cleanup Target Levels (SCTLs) for residential direct exposure in the surface and subsurface soil in the 1994 sampling event. The concentration of arsenic did not exceed the NAVSTA Mayport Background Screening Value (BSV) approved in 2008. Benzo(a)pyrene equivalents exceeded SCTLs for residential direct exposure in the subsurface soil. A confirmatory soil sample was collected in March 2007 to verify the 1994 results. The subsurface soil sample did not exceed the FDEP SCTLs for residential direct exposure for benzo(a)pyrene equivalents. 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 28.

## Human Health Risk Assessment

Soils. Arsenic exceeded the SCTL for residential direct exposure criteria in surface and subsurface soil, but since the concentration did not exceed the NAVSTA Mayport BSV, arsenic was not selected to be a COC. No COCs were identified in the soils at SWMU 28.

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

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## SCOPE OF CORRECTIVE ACTION

No COCs are identified in the soils and groundwater at SWMU 28; therefore, No Action is proposed for the soils and groundwater at SWMU 28.

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## SUMMARY OF ALTERNATIVES

No Action is the only alternative selected.

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## EVALUATION OF THE PROPOSED REMEDY AND ALTERNATIVES

No evaluation of alternatives is required.

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## RECOMMENDATIONS

No Action is recommended for the soils and groundwater at SWMU 28.

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## PUBLIC PARTICIPATION

The FDEP is soliciting public review and comment on this SB for the proposed corrective action for SWMU 28 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, 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

### NAVY

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### FDEP

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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 28 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.

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## KEY WORDS

BSV	Background Screening Value
CFR	Code of Federal Regulations
CMS	Corrective Measures Study
COC	Chemical of Concern
COPC	Chemical of Potential Concern
DRMO	Defense Reutilization and Marketing Office
FDEP	Florida Department of Environmental Protection
HSWA	Hazardous and Solid Waste Amendments
NAVSTA	Naval Station
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

## 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 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 28**

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Place  
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