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ENVIRONMENTAL BASELINE SURVEY NAVAL STATION MAYPORT SHIPYARDS NAS
MAYPORT FL
09/01/2004
NAVFAC SOUTHERN

**Environmental Baseline Survey
Naval Station Mayport Shipyards
Mayport, Florida**



September 2004

Prepared for:

**Southern Division
Naval Facilities Engineering Command
North Charleston, South Carolina**

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MAYPORT, FLORIDA**

LIST OF ACRONYMS AND ABBREVIATIONS

ACM	asbestos containing material
AMI	Atlantic Marine Inc.
asl	above sea level
AST	aboveground storage tank
ASTM	American Society of Testing and Materials
bgs	below ground surface
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CMS	Corrective Measures Study
COC	contaminants of concern
DoD	Department of Defense
DoN	Department of the Navy
EBS	Environmental Baseline Survey
EBSR	Environmental Baseline Survey Report
EI	Earl Industries, LLC
FDEP	Florida Department of Environmental Protection
HSWA	Hazardous and Solid Waste Amendments
IAS	Initial Assessment Study
ICRMP	Integrated Cultural Resources Management Plan
IM	Interim Measure
IR	Installation Restoration
JSI	Jacksonville Shipyard Inc.
LUC	land use controls
msl	mean sea level
NAVFACENGCOM	Naval Facilities Engineering Command
NFS	North Florida Shipyards, Inc.
NS	Naval Station
PCB	polychlorinated biphenyl
PRI	Project Resources Inc.
RCRA	Resource Conservation and Recovery Act
REC	recognized environmental condition
SOW	statement of work
USEPA	United States Environmental Protection Agency
UST	underground storage tank

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EXECUTIVE SUMMARY

Project Resources Inc. (PRI) conducted an Environmental Baseline Survey (EBS) on three parcels at the Naval Station (NS) Mayport in Mayport, Florida. The Navy leases these parcels of land to Earl Industries, LLC (EI), which is portion of former Jacksonville Shipyard Inc. (JSI), North Florida Shipyard, Inc. (NFS), and Atlantic Marine, Inc. (AMI). The Navy issues the private entities an easement in order to gain access to these areas. The environmental condition of the three parcels was assessed during this EBS. For the purpose of this EBS, the “subject property” refers to these areas.

As part of the EBS, a visit to the subject property was conducted in August 2004. Representative photographs were taken of the subject and adjacent properties, and are included as Appendix A. During the EBS, the potential presence of environmentally hazardous conditions or concerns was assessed.

Recognized environmental conditions (RECs) associated with the subject property or immediate vicinity are pieces of property that may be reasonably assumed as potentially contaminated. The following RECs have been identified at the subject property:

Hazardous Materials / Waste Management

Paints, solvents, and compressed gases are stored at each parcel in a secured area for the storage of hazardous materials. No incidence has been reported regarding the storage of hazardous materials.

Petroleum Products

A total of three aboveground storage tanks (ASTs) are located at the subject property. Two 250-gallon ASTs are used for the storage of gasoline were observed at the EI parcel. One 1500-gallon AST is used for the storage of diesel fuel was observed at the AMI parcel. Based on a review of available records, no release of petroleum products has occurred from these tanks. In addition, 55-gallon drums containing waste oil were observed at each of the parcels. No incidence has been reported regarding the storage of these petroleum products.

In addition, based on a review of the RCRA Facility Assessment dated September 1989, USTs are suspected within the former JSI parcel at SWMU 23, but not within the current parcel leased by EI. Because these UST sites are located adjacent to the subject property, these sites should be considered a possible threat to the environmental integrity of the subject property.

Environmental Restoration

NS Mayport assigns Solid Waste Management Unit (SWMU) identification numbers to its Resource Conservation and Recovery Act (RCRA)-permitted facilities. The subject property includes the following SWMU units: SWMU 23 EI (portion of former JSI), SWMU 24 NSI, and SWMU 25 AMI. Contaminants of concern (COCs) have been identified at the subject property.

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The COCs in groundwater at the subject property include metals (antimony, arsenic, iron, manganese, silver, and zinc) and miscellaneous parameters (ammonia, chloride, sodium, and total dissolved solids). Approximately 1,900,000 gallons of contaminated groundwater are estimated to be present at the subject property. The recommended corrective measures for the groundwater are land use controls (LUCs) and monitored natural attenuation.

SWMU 23 Earl Industries, LLC (portion of former JSI)

An abrasive blasting compound was previously identified covering a portion of the ground at SWMU 23. COCs exceeding residential soil standards at SWMU 23 include benzo(a)pyrene, benzo(b)fluoranthene, indeno(1,2,3-cd)pyrene, Aroclor-1254, Aroclor-1260, antimony, arsenic, chromium, copper, lead, and nickel. Current concentrations of COCs within soils are within the acceptable levels defined by the Florida Department of Environmental Protection (FDEP). The recommended corrective measure for soil at SWMU 23 is the implementation of LUCs.

SWMU 24 North Florida Shipyard, Inc.

COCs exceeding residential soil standards at SWMU 24 include benzo(a)anthracene, benzo(a)pyrene, dibenzo(a,h)anthracene, Aroclor-1260, arsenic, and copper. Current concentrations of COCs within soils are within the acceptable levels defined by the FDEP. The recommended corrective measure for soil at SWMU 24 is the implementation of LUCs.

SWMU 25 Atlantic Marine Inc.

COCs exceeding residential soil standards at SWMU 25 include aldrin, dieldrin, arsenic and vanadium. All COCs within soils (with the exception of vanadium) also exceed industrial use standards for soils. Aldrin, dieldrin, and arsenic were not detected in groundwater at concentrations of concern. The recommended corrective measures for soil at SWMU 25 include capping the contaminated soils and the implementation of LUCs.

Asbestos-Containing Material

Based on interviews and review of available environmental records, it appears that no asbestos assessment has been performed at the subject property. Due to the construction date of the buildings, it is possible for asbestos-containing material (ACM) to be present.

Lead-Based Paint

Based on interviews and review of available environmental records, it appears that no lead assessment has been performed at the subject property. Due to the construction date of the buildings, it is possible for lead-based paint (LBP) to be present on interior and exterior surfaces.

Property Classification

Based on analysis of the available data and RECs identified during this EBS, the subject property may be classified as category 4 using the DoD Environmental Condition of Property System. Category 4 (dark green) is defined as areas where a release, disposal, and/or migration of hazardous substances has occurred, and all remedial actions necessary to protect human health and the environment have been taken.

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The findings presented in this EBS are relative to the dates of PRI's survey in 2004 and should not be relied upon to represent conditions at substantially later dates. See Section 8.0 for further limitations.

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1.0 INTRODUCTION

1.1 Introduction and Background

The Naval Station (NS) Mayport is located near the town of Mayport within the city limits of Jacksonville, Florida, in northeastern Duval County on the south shore of the confluence of the Saint Johns River and the Atlantic Ocean (see Figure 1-1). The Navy leases three parcels of land to Earl Industries, LLC (EI), (portion of former Jacksonville Shipyard Inc. [JSI]), North Florida Shipyard, Inc. (NFS), and Atlantic Marine, Inc (AMI). The Navy issues the private entities an easement to gain access to these areas. Department of Defense (DoD) and Department of the Navy (DoN) policy requires an Environmental Baseline Survey (EBS) before any property can be sold, leased, transferred, or acquired.

For the purpose of this EBS, the “subject property” refers to the three leased parcels (see Figure 1-2). The environmental condition of the properties was assessed during this EBS. A site visit was conducted by Project Resources Inc. (PRI) in August 2004, and representative photographs are included as Appendix A.

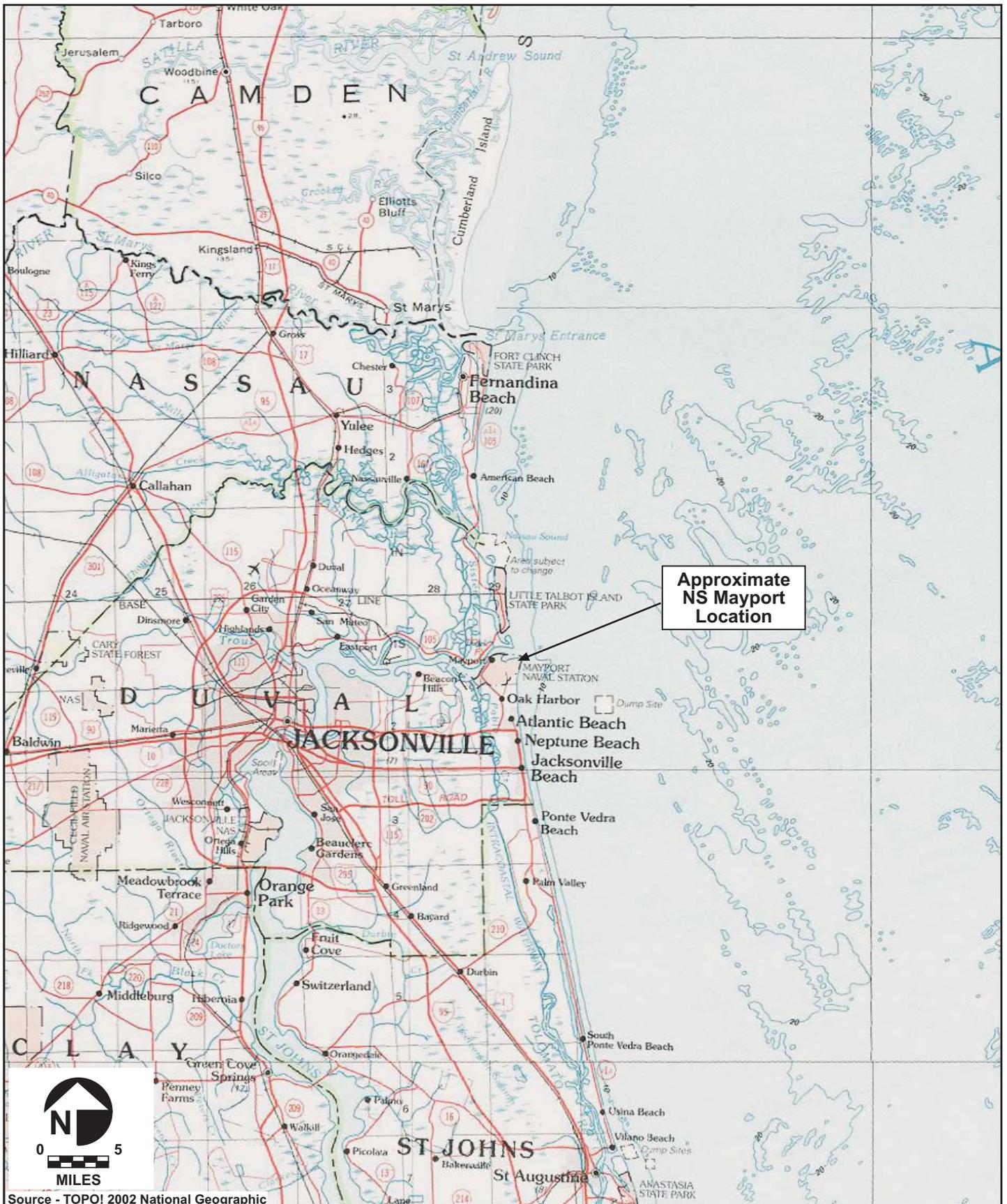
This EBS Report (EBSR) summarizes readily available relevant information into a single document to establish a baseline for use by the DoN in making decisions concerning real property transaction involving the subject property. It will also be used by the DoN in meeting its obligations under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), 42 U. S. Code Section 9620(h), as amended by the Community Environmental Response Facilitation Act (Public Law 102-426).

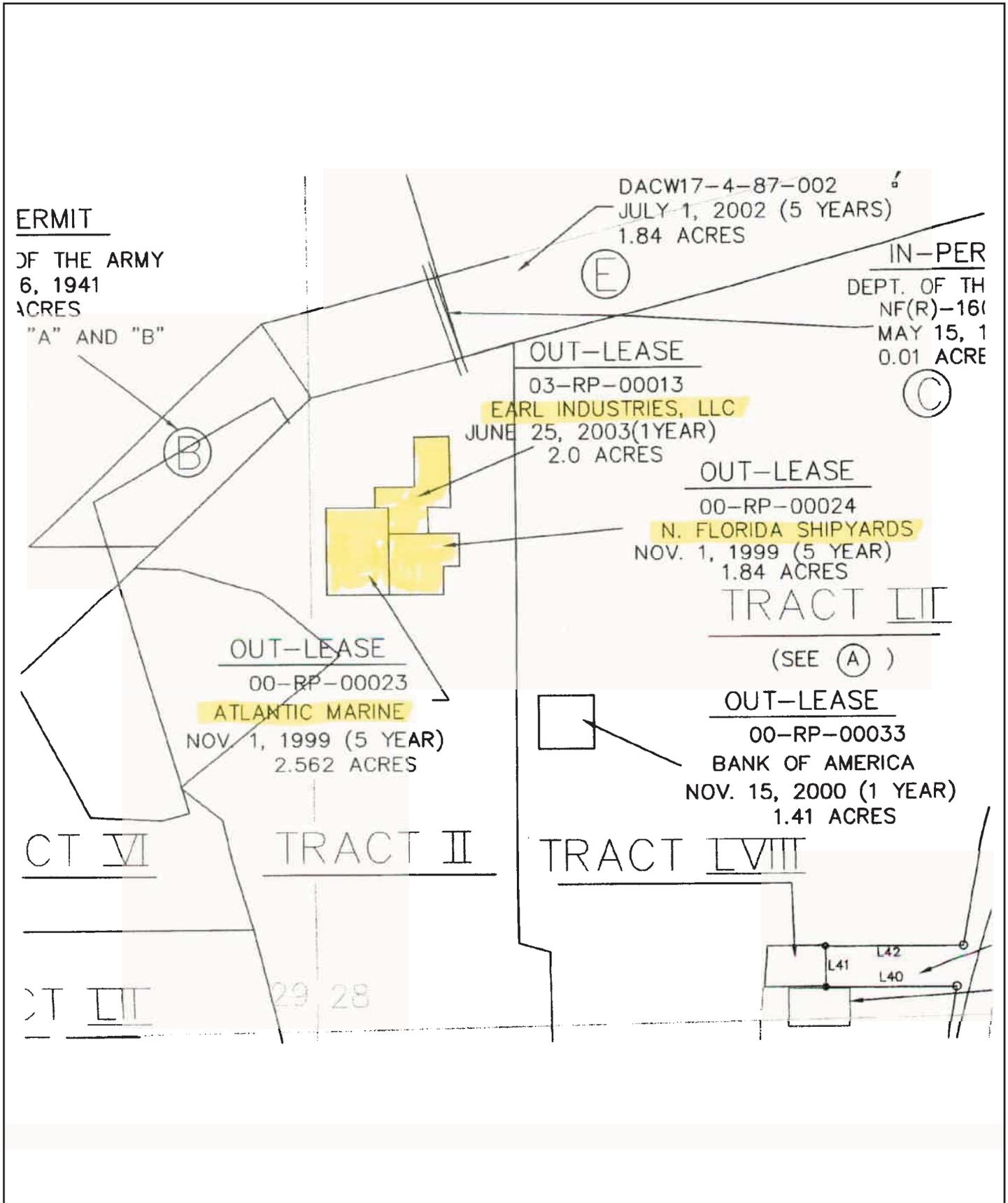
1.2 Organization of EBSR

The organization of this EBSR follows the format for a base-wide EBS prescribed by the Naval Facilities Engineering Command Environmental Baseline Survey Guidance, March 1995. PRI has performed this EBS and prepared this EBSR following the Scope of Work (SOW) [969] for the former Jacksonville Shipyard Area. Guidelines were followed from the American Society of Testing and Materials (ASTM D 6008-96).

1.3 Parcel Identification and Boundaries

The subject property is located within NS Mayport at the northern boundary, south of the Mayport Turning Basin and the Saint Johns River (see Figure 1-3). Parcel number 03-RP-00013, leased by EI, is 2.0 acres in size. This parcel is a portion of a larger four-acre parcel formerly leased by JSI. Parcel number 00-RP-00024, leased by NFS, is 1.84 acres in size. Parcel number 00-RP-00023, leased by AMI, is 2.562 acres in size. The irregular shaped parcels are located adjacent to one another with EI, to the north, AMI to the southwest, and NFS to the southeast.





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2.0 SURVEY METHODOLOGY

2.1 Approach and Rationale

This EBS employed a variety of methods to obtain the necessary information to assess the environmental condition of the subject property. This includes the following:

1. Search and review of available information and records in the possession of the Navy, and records made available by the regulatory agencies or other involved federal agencies.
2. Review of reasonably obtainable federal, state, and local government records of each adjacent facility where there has been a release or likely release of any hazardous substance or petroleum product or its derivatives, and which is likely to cause or contribute to a release or threatened release of any hazardous substance or petroleum product or its derivative on the subject property.
3. Interviews with current occupants of the property.
4. Visual assessment of the subject property, and of properties immediately adjacent to the subject property, noting sewer lines, runoff patterns, evidence of environmental impact (e. g. , stained soil, stressed vegetation, or dead or ill wildlife), and other observations, which indicate actual or potential release of hazardous substances or petroleum products.
5. Review of ongoing response actions that have been taken at the subject property or adjacent properties (either those properties contiguous to the boundaries of the parcel being surveyed or other nearby properties).

2.2 Project Classification

Based on analysis of the available data and RECs identified during this EBS, the subject property may be classified into one or more of the following seven categories from the DoD Environmental Condition of Property System:

- CATEGORY 1** **WHITE:** Areas where no release or disposal of hazardous substances or petroleum products occurred (including no migration of these substances from adjacent properties).
- CATEGORY 2** **BLUE:** Areas where only a release or disposal of petroleum products or their derivatives has occurred.
- CATEGORY 3** **LIGHT GREEN:** Areas where release, disposal, and/or migration of hazardous substances has occurred, but at concentrations that do not require removal or remedial action.

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- CATEGORY 4** **DARK GREEN:** Areas where a release, disposal, and/or migration of hazardous substances has occurred, and all remedial actions necessary to protect human health and the environment have been taken.
- CATEGORY 5** **YELLOW:** Areas where release, disposal, and/or migration of hazardous substances have occurred, and removal and remedial actions are underway, but all required remedial actions have not taken place.
- CATEGORY 6** **RED:** Areas where release, disposal, and/or migration of hazardous substances have occurred, but required actions have not been implemented.
- CATEGORY 7** **GREY:** Areas that are not evaluated or require additional evaluation

2.3 Related Reports

The following is a listing of the documents that have been reviewed for this EBS:

- ABB Environmental Services, Inc. 1994a. *Special Purpose Investigation Former Jacksonville Shipyard Administration Building*. January 1994.
- ABB Environmental Services, Inc. 1994b. *RCRA Facility Investigation Workplan Supplemental Sampling Plan Group III SWMUs*. November 1994.
- ABB Environmental Services, Inc. 1997. *Interim Measure Performance Specifications Group III SWMUs 23, 24, and 25*. September 1997.
- A. T. Kearney, Inc. 1989. *RCRA Facility Assessment of the Naval Station Mayport*. September 1989.
- Atlantic Marine, Inc – Mayport Division. 2004. *Environmental Management Plan* Mayport, Florida. Revised July 2004.
- Hardy Heck Moore, Inc. 2001. *Integrated Cultural Resource Management Plan (ICRMP) and Cold War Update Naval Station Mayport*. October 2001.
- Naval Station Mayport. 2002. *Naval Station Mayport Hazardous Waste Management Plan*. May 2002.
- North Florida Shipyards 2002. *Environmental Hazardous Waste and Contingency and Management Plan*. October 2002.
- Tetra Tech NUS, Inc. 2003. *Corrective Measures Study for Solid Waste Management Units 1, 23, 24, and 25*. June 2003.

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3.0 PAST AND CURRENT USE

3.1 Subject Property

The subject property, also designated as Solid Waste Management Units (SWMUs) 23, 24 and 25, is collectively called the “Shipyard” area. The subject property has historically been leased by Navy contractors for a wide variety of activities in support of ship maintenance and repair. Hazardous substances (e.g., fuels, paints, solvents, lubricants, and abrasives) have been used and stored at the subject property; however, neither waste disposal nor long-term waste storage has been reported.

SWMU 23, currently leased by Earl Industries LLC, is occupied by office space and a building under construction. The parcel was formerly part of the JSI in operation from 1961 until 1992, which conducted general ship maintenance. Activities at the subject property will resume upon completion of the construction.

SWMU 24, currently leased by NFS, has been operational since 1982. Activities include general repairs to ships, including structural and electrical repairs. Maintenance is commonly performed on piping, rudders, propellers, valves, and pumps. Other services provided include painting and paint stripping in two blast and paint rooms (60’x100’ and 25’x25’). The dry-docking capacity at the property is 390 feet x 57 feet with 15 feet over blocks. Rigging and hauling services are available. Equipment used includes a tugboat, three work barges (100’x 30’, 12’x 40’, and 120’x 40’), cranes, and man lifts. Structural steel fabrication and installation is performed. Machine shop equipment includes balance machines, ironworkers, lathes, mills, shears, breaks, chop saws, and drill presses.

SWMU 25, currently leased by AMI, has been operational since 1980. Processes conducted at the subject property include painting, metalworking, degreasing, paint stripping, and welding. General ship maintenance activities include the fabrication and repair of ship structural, mechanical and electrical components. In addition, pipe and piping component fabrication and the repair and installation of thermal and acoustical systems is performed. Plant facilities at the subject property include approximately 135,000 square feet of the following workshops:

- A self-contained Blast & Paint Facility
- Fully automated Steel Surface Preparation and Coating Facility
- A modernized Pipe Shop consisting of automatic pipe welder and automatic pipe bender
- A Steel Fabrication Facility with numerically controlled plasma cutting system
- A Machine Shop with modern equipment

3.2 Adjacent Property

NS Mayport, commissioned in 1942, occupies the land surrounding the subject property. The mission of NS Mayport includes use by patrol craft, target boats, rescue boats, and aircraft

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carriers. The subject property is bound to the west by a parking area, and to the south by Bailey Avenue. The former JSI Administration building is located adjacent to the east of the subject property in SWMU 1, Landfill A. SWMUs 44 and 45 are located adjacent to the northeast of the subject property at the NS Mayport Wastewater Treatment Plant.

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4.0 ENVIRONMENTAL SETTING

4.1 Location

NS Mayport is located near the town of Mayport within the city limits of Jacksonville, Florida, in northeastern Duval County. NS Mayport is located on the northern end of a peninsula bounded by the Atlantic Ocean to the east and the Saint Johns River to the north and west. The subject property is located near the northern boundary of NS Mayport.

4.2 Physiography

NS Mayport is located in the southeastern Coastal Plain physiographic province. The topography of this region is controlled by the remnants of two ancient marine terraces, the Pamlico and the Silver Bluff. These terraces have been modified by development, stream erosion, dredging, and filling activities. Few surface water drainage features are present at the subject property because the soils along the Saint Johns River are high in sand content and water infiltration rates. (A. T. Kearney Inc., 1989)

4.3 Geology

Three separate geologic units have been identified at NS Mayport. The uppermost unit is comprised of a surficial deposit of material dredged from the Mayport Turning Basin and the Saint Johns River to depths of approximately 8 to 16 feet below ground surface (bgs). Beneath this is a uniform, poorly graded, well-sorted, sand identified as undifferentiated post-Hawthorn deposits. This unit grades at depth into the third unit, the Coosawhatchi Formation of the upper Hawthorn Group. The natural soils at NS Mayport consist of three major groups: soils of the sand ridges, tidal marsh, and flatwoods. (ABB Environmental Services, 1994)

4.4 Hydrogeology

The direction of groundwater flow at the subject property is generally north toward the Mayport Turning Basin entrance channel and the Saint Johns River. Tidal influence on the direction of groundwater flow is not expected. The elevation of the water table ranges from approximately 3 to 6 feet above mean sea level (msl). The depth to groundwater ranges from approximately 4 to 11 feet bgs. (Tetra Tech NUS Inc., 2003)

4.5 Topography

NS Mayport is located within the Jacksonville, Florida, 7.5-Minute Topographic Quadrangle Map (Figure 4-1). The topography of NS Mayport is generally flat. Elevations at NS Mayport range from approximately 0 to 30 feet above msl.

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Figure 1-4

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4.6 Natural Resources

While rare, threatened, and endangered species are present at NS Mayport, based on the available information, the subject property does not appear to present a significant threat to the environmental integrity of endangered / threatened species or critical habitats at NS Mayport. In addition, no wetlands have been identified within the subject property.

4.7 Cultural and Archeological Resources

According to the NS Mayport Natural and Cultural Resource Manager, no known cultural or archeological resources are located on or adjacent to the subject property.

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5.0 ENVIRONMENTAL CONDITIONS

5.1 Federal/State Regulatory Agreements

The remedial activities at NS Mayport are driven by Section 120 of CERCLA, which addresses procedures to be followed by federal facilities during the investigation and cleanup of environmental problems. To implement CERCLA, the U.S. Environmental Protection Agency (USEPA) initiated the National Oil and Hazardous Substances Pollution Contingency Plan.

5.2 Hazardous Materials / Waste Management

Each parcel has a secured area for the storage of hazardous materials. The Environmental Management Plans of each parcel were reviewed. The plans are followed to help ensure the safe handling and use of potentially hazardous materials, and the collection, segregation, accumulation, and disposal of regulated or generated waste. Paints, solvents, and compressed gases are stored at each parcel within the subject property. Hazardous materials lists and management plans are included in Appendix B. A summary of the hazardous materials used at each parcel is included as Table. 5-1.

Table 5-1. Summary of Hazardous Materials

SWMU 23 EI	SWMU 24 NFS	SWMU 25 AMI
Miscellaneous Paints		
Duraplate primer and paint Mixed paint Novaplate primer and paint Tankguard primer and paint	Formula 151 (A and B), 152, and 156 primer and paint Haze gray paint PSX 700 paint Soft White paint	Amercoat paint Formula 124, 150, 151, 152, 154, and 156 primer and paint Interbond paints Intergard paint Interlac paints Intershield paints Intertuf paints Spray paints
Other Materials		
Denatured Alcohol Mineral Spirits Terra Cotta Enamel	1,2,4-Trimethyl Benzene Barium Metaborate Hydrate Benzyl Alcohol Butyl Acetate Butyl Alcohol Citrus Acid Denatured Alcohol F-130 Solvent High Flash Naphtha	14A Magnaglo 3M Scotch Grip 1357 Abrasives Adhesives Alcosol Solvent Argon gas Adhesives Anti-Seize compounds Belray Termaline grease

Table 5-1. Summary of Hazardous Materials (continued)

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SWMU 23 EI	SWMU 24 NFS	SWMU 25 AMI
	Nitric Acid Polyamine Adduct	Belzona bases and agents Chlorine (liquid) Cleaners Degreasers Gloss silicone enamels Nitric Acid Sealants Sigma Edgeguard hardeners Solvents Sealants Zinc filler

According to the occupants of each parcel, no spills or leaks have occurred at the hazardous substance storage areas. Based on visual observations and environmental records reviewed to date, the hazardous substance areas do not appear to have had an adverse impact on the environmental integrity of the subject property.

5.3 Petroleum Products

SWMU 23 Earl Industries, LLC (portion of former JSI)

According to onsite personnel, no known active underground storage tanks (USTs) exist at the subject property. Two aboveground storage tanks (ASTs) are located in the subject property at SWMU 23. The 250-gallon ASTs are used for the storage of gasoline to fuel maintenance equipment. Based on a review of available records, no release of petroleum products appears to have occurred from these tanks. In addition, 55-gallon drums containing waste oil were observed at the subject property. No incidence has been reported regarding the storage of these drums.

Based on a review of the RCRA Facility Assessment dated September 1989, USTs are suspected within the former JSI parcel at SWMU 23, but not within the current parcel leased by EI. Because these UST sites are located adjacent to the subject property, these sites should be considered a possible threat to the environmental integrity of the subject property.

SWMU 24 North Florida Shipyard, Inc.

According to onsite personnel, no known active USTs or ASTs exist at the subject property. 55-gallon drums containing waste oil were observed at the subject property. No incidence has been reported regarding the storage of these drums.

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SWMU 25 Atlantic Marine Inc.

According to onsite personnel, no known active USTs exist at the subject property. One AST is located at the subject property at SWMU 25. The 1500-gallon AST is used for the storage of diesel fuel. In addition, 55-gallon drums containing waste oil were observed at the subject property. No incidence has been reported regarding the storage of these petroleum products.

Two oil / water separators (OWSs) were identified at SWMU 25. No evidence of leaks or spills were observed during PRI's site visit or previously reported. Based on visual observations and environmental records reviewed to date, the OWS does not appear to have had an adverse impact on the environmental integrity of the subject property.

5.4 Environmental Restoration

Based on review of the environmental records at NS Mayport, it appears that SWMUs are designated instead of Installation Restoration (IR) sites. The subject property is divided into the following SWMU units: SWMU 23 EI (portion of former JSI), SWMU 24 NSI, and SWMU 25 AMI. Contaminants of concern (COCs) have been identified at the subject property. While the operations at each parcel are under control of its occupants, the SWMU and groundwater are under jurisdiction of the NS Mayport.

A Hazardous and Solid Waste Amendments (HSWA) permit FL9 170 024 260 was issued by the USEPA on March 25, 1988, and revised on June 15, 1993. The HSWA program is designed to identify and remediate releases of hazardous substances at RCRA-permitted facilities. A Corrective Measures Study (CMS) was performed in June 2003 to determine corrective measure alternatives for the subject property. Land use controls (LUCs) at the subject property require site-specific implementation plans, routine monitoring, and close coordination with regulatory agencies.

The subject property, along with SWMU 1 and portions of SWMU 44 and 45, are labeled as the Group III SWMU area in the northeastern portion of NS Mayport. The groundwater for Group III SWMUs was assessed as a group because of the SWMU's common geographic location, common drainage to the Saint Johns River, similarity of past waste disposal activities, and potential for similar corrective actions. The COCs in groundwater include metals (antimony, arsenic, iron, manganese, silver, and zinc) and miscellaneous parameters (ammonia, chloride, sodium, and total dissolved solids). Approximately 1,900,000 gallons of contaminated groundwater are estimated to be present at the subject property. The recommended corrective measures for the groundwater are LUCs and monitored natural attenuation.

The following sections address reported soil contamination at the subject property:

SWMU 23 Earl Industries, LLC (portion of former JSI)

An abrasive blasting compound was previously identified covering a portion of the ground at SWMU 23. The blasting media had been used to remove paint from metal objects (RCRA Facility Assessment 1989). COCs exceeding residential soil standards at SWMU 23 include

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benzo(a)pyrene, benzo(b)fluoranthene, indeno(1,2,3-cd)pyrene, Aroclor-1254, Aroclor-1260, antimony, arsenic, chromium, copper, lead, and nickel. Current concentrations of COCs were within the acceptable levels defined by the Florida Department of Environmental Protection (FDEP). The recommended corrective measure for soil at SWMU 23 is the implementation of LUCs for industrial usage.

SWMU 24 North Florida Shipyard, Inc.

COCs exceeding residential soil standards at SWMU 24 include benzo(a)anthracene, benzo(a)pyrene, dibenzo(a,h)anthracene, Aroclor-1260, arsenic, and copper. Current concentrations of COCs were within the acceptable levels defined by the FDEP. The recommended corrective measure for soil at SWMU 24 is the implementation of LUCs for industrial usage.

SWMU 25 Atlantic Marine Inc.

COCs exceeding residential soil standards at SWMU 25 include aldrin, dieldrin, arsenic and vanadium. All COCs (with the exception of vanadium) also exceed industrial use standards for soil. Aldrin, dieldrin, and arsenic were not detected in groundwater at concentrations of concern. Contaminated soil was identified in three separate areas and ranges in thickness from 1 to 2 feet. Surface soil contamination is estimated to be 1,280 square feet. Subsurface soil contamination is estimated to be 1,080 square feet. The recommended corrective measures for soil at SWMU 25 include capping the contaminated soils and the implementation of LUCs for industrial usage.

The Interim Measure (IM) Performance Specification report indicates that a likely source of aldrin and dieldrin is the pre- and post-treatment of the building foundation for termites. The chemicals were applied appropriately as a termiticide under the Federal Insecticide, Fungicide, and Rodenticide Act as amended by the Federal Pesticide Control Act of 1972. No further action is necessary regarding the presence of aldrin and dieldrin.

5.5 Polychlorinated Biphenyls Compliance

Polychlorinated biphenyls (PCBs) are potentially toxic substances that are commonly found in electrical transformers. The commercial use of PCBs has been banned since 1979. Interviews with onsite personnel indicated that a base-wide program to identify PCB-containing transformers and oil switches was completed in the early 1990s. This program included testing existing transformers/oil switches for PCB-content, wipe testing visible stains adjacent to the transformers, and retro-filling transformers identified as PCB-containing insulating fluid with non-PCB containing insulating fluid.

Due to the efforts of the base-wide PCB identification program completed in the early 1990's, it appears that the previous presence of PCB-containing transformers and oil switches is not anticipated to have an adverse impact on the environmental integrity of the subject property. Additionally, the current transformers appear in good condition with no evidence of leaks or spills

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5.6 Asbestos-Containing Material

Based on interviews and review of available environmental records, it appears that no asbestos assessment has been performed at the subject property. Due to the construction date of the buildings, it is possible for asbestos-containing material (ACM) to be present.

5.7 Lead-Based Paint

Based on interviews and review of available environmental records, it appears that no lead assessment has been performed at the subject property. Due to the construction date of the buildings, it is possible for lead-based paint (LBP) to be present on interior and exterior surfaces.

5.8 Pesticides and Herbicides

Based on interviews with NS Mayport Public Works personnel, it appears that vegetated areas are sprayed with commercially available pesticides and herbicides. There is a low probability of impact from pesticides and herbicides to the subject property due to the limited use and low mobility of contaminants.

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MAYPORT, FLORIDA**

6.0 ADJACENT PROPERTY

Land immediately adjacent to the subject property is within the boundaries of NS Mayport. The subject property is bound to the west by a parking area and to the south by Bailey Avenue. The former JSI Administration building is located adjacent to the east of the subject property within SWMU 1, Landfill A. SWMUs 44 and 45 are located adjacent to the northeast of the subject property at the NS Mayport Wastewater Treatment Plant.

SWMU 1 is the former Landfill A operated by the Navy from 1942 to 1960. The landfill covered approximately four acres. Industrial and sanitary wastes were disposed including waste oils, paints, solvents, sanitary garbage, and construction rubble. Burning of wastes was performed weekly. Identified COCs at the SWMU exceeding residential soil standards include arsenic and benzo(a)pyrene. The recommended corrective measures for soil at SWMU 1 are LUCs and site monitoring. This area is also the location of the former JSI Administration Building, and is currently occupied by the NS Mayport Public Works Department.

SWMU 44 is identified as the wastewater treatment facility clarifiers 1,2, and 3. The clarifiers are aboveground, square concrete tanks, with a capacity of approximately 40,500 gallons. The clarifiers were used to contain and remove floating free-phase oil from waste. The effluent is currently treated at the oily waste treatment plant before returning to the wastewater treatment plant.

SWMU 45 is identified as the wastewater treatment facility sludge drying beds, each divided into four cells with an area of approximately 14,000 square feet. The sand bottoms were reported to have received digested sludge from aerobic digesters. The drying beds have since been replaced with a vacuum dewatering filter press.

The subject property, along with SWMU 1 and portions of SWMU 44 and 45, are labeled as the Group III SWMU area in the northeastern portion of NS Mayport. The groundwater for Group III SWMUs was assessed as a group. The COCs in groundwater at the subject and adjacent properties include metals (antimony, arsenic, iron, manganese, silver, and zinc) and miscellaneous parameters (ammonia, chloride, sodium, and total dissolved solids). The recommended corrective measures for the groundwater are land use controls (LUCs) for industrial usage and monitored natural attenuation.

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7.0 PROPERTY CLASSIFICATION AND ASSESSMENT

The following RECs were observed during this EBS:

Hazardous Materials / Waste Management

Paints, solvents, and compressed gases are stored at each parcel in a secured area for the storage of hazardous materials. No incidence has been reported regarding the storage of hazardous materials.

Petroleum Products

A total of three ASTs are located at the subject property. Two 250-gallon ASTs are used for the storage of gasoline were observed at the EI parcel. One 1500-gallon AST is used for the storage of diesel fuel was observed at the AMI parcel. Based on a review of available records, no release of petroleum products has occurred from these tanks. In addition, 55-gallon drums were observed containing waste oil at each of the parcels.

In addition, based on a review of the RCRA Facility Assessment dated September 1989, USTs are suspected within the former JSI parcel at SWMU 23, but not within the current parcel leased by EI. Because these UST sites are located adjacent to the subject property, these sites should be considered a possible threat to the environmental integrity of the subject property.

Environmental Restoration

NS Mayport assigns SWMU identification numbers to its Resource Conservation and Recovery Act (RCRA)-permitted facilities. The subject property includes the following SWMU units: SWMU 23 EI (portion of former JSI), SWMU 24 NSI, and SWMU 25 AMI. COCs have been identified at the subject property.

The COCs in groundwater at the subject property include metals (antimony, arsenic, iron, manganese, silver, and zinc) and miscellaneous parameters (ammonia, chloride, sodium, and total dissolved solids). Approximately 1,900,000 gallons of contaminated groundwater are estimated to be present at the subject property. The recommended corrective measures for the groundwater are LUCs and monitored natural attenuation.

SWMU 23 Earl Industries, LLC (portion of former JSI)

An abrasive blasting compound was previously identified covering a portion of the ground at SWMU 23. COCs exceeding residential soil standards at SWMU 23 include benzo(a)pyrene, benzo(b)fluoranthene, indeno(1,2,3-cd)pyrene, Aroclor-1254, Aroclor-1260, antimony, arsenic, chromium, copper, lead, and nickel. Current concentrations of COCs within soils are within the acceptable levels defined by the FDEP. The recommended corrective measure for soil at SWMU 23 is the implementation of LUCs.

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SWMU 24 North Florida Shipyard, Inc.

COCs exceeding residential soil standards at SWMU 24 include benzo(a)anthracene, benzo(a)pyrene, dibenzo(a,h)anthracene, Aroclor-1260, arsenic, and copper. Current concentrations of COCs within soils are within the acceptable levels defined by the FDEP. The recommended corrective measure for soil at SWMU 24 is the implementation of LUCs.

SWMU 25 Atlantic Marine Inc.

COCs exceeding residential soil standards at SWMU 25 include aldrin, dieldrin, arsenic and vanadium. All COCs within soils (with the exception of vanadium) also exceed industrial use standards for soils. Aldrin, dieldrin, and arsenic were not detected in groundwater at concentrations of concern. The recommended corrective measures for soil at SWMU 25 include capping the contaminated soils and the implementation of LUCs.

Asbestos-Containing Material

Based on interviews and review of available environmental records, it appears that no asbestos assessment has been performed at the subject property. Due to the construction date of the buildings, it is possible for ACM to be present.

Lead-Based Paint

Based on interviews and review of available environmental records, it appears that no lead assessment has been performed at the subject property. Due to the construction date of the buildings, it is possible for LBP to be present on interior and exterior surfaces.

Property Classification

Based on analysis of the available data and RECs identified during this EBS, the subject property may be classified as category 4 using the DoD Environmental Condition of Property System. Category 4 (dark green) is defined as areas where a release, disposal, and/or migration of hazardous substances has occurred, and all remedial actions necessary to protect human health and the environment have been taken.

**ENVIRONMENTAL BASELINE SURVEY
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8.0 CERTIFICATION

This report describes the pertinent information obtained during the EBS. The findings presented in this EBSR are relative to the dates of PRI's site visit in 2004, and should not be relied upon to represent conditions at substantially later dates. PRI's observations reflect site conditions as of the latest visit to particular areas of the subject property, and should not be construed as representing previous or future site conditions. Any opinions included herein are based on the information obtained during this study and PRI's experience with similar assessments. Although this EBS has attempted to identify the potential for environmental impacts to the subject property resulting from possible contamination, sources may have escaped detection due to: 1) the limited scope of this study; 2) the inaccuracy of public records; 3) the presence of undetected or unreported environmental incidents; or 4) other site and area-specific factors. It has not been the purpose of this study to determine the actual presence, degree or extent of contamination, if any, at the site.

I certify that the property conditions stated in this report are based on a review of available records, visual inspections, and interviews as noted, and are true and correct, with the above qualifications, to the best of my knowledge and belief.

Date

Jeremiah D. Jackson, PhD, PE
Program Manager
Project Resources Inc.

APPENDIX A

Site Visit Photographs

Environmental Baseline Survey
Naval Station Mayport Shipyards



Exterior view of Atlantic Marine Inc. (SWMU 25)



Hazardous materials storage area at Atlantic Marine Inc.

Environmental Baseline Survey
Naval Station Mayport Shipyards



Exterior view North Florida Shipyard Inc. (SWMU 24)



Hazardous materials storage area at North Florida Shipyard Inc.

Environmental Baseline Survey
Naval Station Mayport Shipyards



Exterior view of Jacksonville Shipyards Inc. (SWMU 23)



Hazardous materials storage area at Jacksonville Shipyards Inc.

APPENDIX B

Hazardous Substances at Subject Property

SUPSHIP JACKSONVILLE
LOCAL STANDARD ITEM

FY-05 (CH-2)

ITEM NO: 099-60JA
DATE: 12 APR 2004
CATEGORY: I

1. SCOPE:

1.1 Title: General Environmental Requirements for Naval Station Mayport Availabilities; accomplish

2. REFERENCES:

2.1 29 CFR 1910, Occupational Safety and Health Standards

2.2 40 CFR, Protection of Environment

2.3 49 CFR, Transportation

3. REQUIREMENTS:

3.1 **Provide a written** Environmental Management Plan **which shall be implemented** to ensure no adverse environmental impact **occurs**.

3.1.1 Submit one legible copy, in hard copy or electronic media, of the plan to the SUPERVISOR no later than 15 days prior to the start of the contract availability period.

3.1.1.1 Submit revisions to the Environmental Management Plan when personnel, telephone numbers, or plan processes change. A cover letter indicating Environmental Management Plan previously submitted has been reviewed and is applicable or a revised plan shall be submitted prior to start of work.

3.2. The plan shall include the requirements of Attachment A and the following:

3.2.1 Spill Contingency and Control Plan:

3.2.1.1 Provide name(s) of Spill Contingency Team and telephone number for a 24-hour emergency coordinator with alternate.

3.2.1.2 Provisions for notification of the SUPERVISOR (after normal working hours) or Environmental Office (during normal working hours) immediately upon discovery of any improper discharge.

3.2.1.3 Provide employee spill response procedure including spill reporting information requirements, employee reporting protocol, location and use of spill kit, clean-up and decontamination requirements, and disposal procedure.

3.2.1.4 Describe use and location of personal protective equipment in accordance with 2.2.

3.2.2 Hazardous Waste:

3.2.2.1 Hazardous waste is defined by 2.3 and applicable state Hazardous Waste Management Regulations.

3.2.2.2 Indicate that the contractor is responsible for properly determining waste identification, including laboratory analysis if necessary under the requirements of 2.3, so that the proper Department of Transportation (DOT) shipping name can be determined for disposal of the hazardous waste in accordance with 2.4. Copies of laboratory analyses and manifests shall be provided to the SUPERVISOR, Code 140, prior to or at time of hazardous waste shipment from the Government facility.

3.2.2.3 Identify the proposed transporter and transporter EPA ID number who will deliver the hazardous waste to the disposal site. Certify in writing that the proposed transporter meets all Federal, state, and local laws/requirements for the services to be provided. This information shall be submitted to the SUPERVISOR.

3.2.2.4 Describe the design (similar to requirements of Local Standard Item 099-53JA), security, signage, container management, labeling, waste compatibility, spill kit contents, eye wash station, management responsibilities, and location of the segregated hazardous waste storage area that will be utilized by the contractor for storage of hazardous waste.

3.2.2.5 Describe and use a log to document daily hazardous waste storage area inspections. Log shall be submitted to Naval Station Mayport (N4E) at the end of each work week.

3.2.2.6 Develop and use a checklist to ensure that transporter's vehicles comply with all applicable DOT requirements of 2.4.

3.2.2.7 Provide certification that the disposal site is legally authorized to accept the identified hazardous waste.

3.2.2.8 Provide documentation of hazardous waste training for all required personnel in accordance with 2.2 through 2.4.

3.2.2.9 Indicate that hazardous waste will not be turned over to Ship's Force or any Government agency.

3.2.3 Hazardous Material:

3.2.3.1 Provide documentation of training for personnel using hazardous materials as required by 2.2.

3.2.3.2 Indicate that no hazardous material shall be stored on the ship or craft.

3.2.3.3 Indicate that hazardous material containers, including those used by subcontractors, shall be marked with a unique identifier (e.g., company name or logo).

3.2.4 Solid Waste: (See 4.2)

3.2.4.1 Indicate that waste (e.g., scrap, trash, garbage) shall not be deposited in Government waste receptacles, including dumpsters, roll-off boxes, tri-walls, or plastic bags.

4. NOTES:

4.1 The SUPERVISOR will:

4.1.1 Retain the right to inspect all hazardous waste/material management activities performed by the contractor as a result of this Job Order.

4.1.2 Retain the right to take any/all wastes/materials from the contractor, if deemed necessary to protect the Government's interests. In this event, appropriate credit may be taken by the Navy for any and all work not performed.

4.1.3 Retain the right to stop contractor work/operations in the event of serious safety and environmental problems/violations.

4.1.4 Provide oversight (as necessary) to all spill clean-up operations.

4.1.5 Review documentation of all contractor efforts to comply with Federal, state, and local environmental laws and regulations. This review includes, but is not limited to, compliance with any minimization efforts chosen by the contractor.

4.2 The approval for site location of solid waste receptacles shall be coordinated between the contractor, the Naval Station, and the SUPERVISOR. If receptacles are located on piers, the contractor will be responsible for all waste deposited within the container.

ATTACHMENT A

Naval Station Mayport Florida
Environmental Regulations

1. General Requirements for Hazardous Waste (HW) Management:

a. Contractors shall:

- (1) Accept/retain liability, including all associated fines and penalties, for improper management or disposal of HW.
- (2) Immediately upon request, provide NAVSTA Mayport N4E a key to conduct inspections of locked HW and HM storage units.
- (3) Conduct daily inspections of their HW storage sites and provide NAVSTA Mayport N4E a copy of the daily inspection report. Immediately correct any deficiencies identified in inspections.
- (4) Obtain from the SUPERVISOR, Code 140 approval for HW storage, including location and type of storage (i.e. Satellite or 60-Day Accumulation).
- (5) Remove all HM upon completion of contract. NAVSTA Mayport will dispose of any HM abandoned by a contractor and charge the contractor with all associated costs.
- (6) Remove all HW upon completion of contract. NAVSTA Mayport will dispose of any HW abandoned by a contractor and charge the contractor with all associated costs. Abandoned HW shall be characterized as an unknown, properly disposed of, and the Contractor billed for all associated costs.
- (7) Be aware that NAVSTA Mayport shall notify the SUPERVISOR of the improper disposal of contractor generated HM/HW. NAVSTA Mayport may notify regulatory agencies of improper disposal of HW by the contractor.
- (8) Immediately correct any deficiencies identified during NAVSTA Mayport or SUPERVISOR inspections.
- (9) Provide NAVSTA Mayport N4E access to HW records.
- (10) Used petroleum-based products such as hydraulic fluids, lubricating oils, diesel fuel marine, JP-5, and fuels with flash points above 100 degrees Fahrenheit are considered Used Oil.

2. Contractor-Generated HW:

a. Contractors shall:

- (1) Obtain an EPA/FDEP Generator Identification Number (ID) pursuant to applicable law.

(2) Ensure all HW manifests bear only the EPA/FDEP ID number issued to the contractor.

(3) Ensure disposal of HW in accordance with federal, state, and local regulations.

3. Co-generated HW:

a. Contractors shall:

(1) Notify the SUPERVISOR before HW generation. With NAVSTA Mayport N4E agreement, documents related to Co-generated HW shall bear both the Contractor's and NAVSTA Mayport's EPA/FDEP ID number. List the Contractor's ID number in the "Generator Number" box and NAVSTA Mayport's ID number in the "Special Handling Instructions and Additional Information" block pursuant to applicable law.

(2) Provide access to all documents related to Co-generated HW for review by NAVSTA Mayport N4E. and receive concurrence from NAVSTA Mayport for the HW characterization before transportation off station.

(3) Track the manifests and immediately notify the SUPERVISOR, Code 140, of any discrepancies.

4. 60-Day Accumulation Sites:

a. 60-day Accumulation Sites must comply with applicable federal, state, local, and Navy regulations and shall be approved by NAVSTA Mayport N4E4.

b. Control access at all times, fence the area, and limit access by keeping locked or locating within a secured building.

c. Secondary containment is required for all containers (concrete curb or spill pallets).

d. Store incompatible wastes separately. Use berms to prevent incompatible materials from coming into contact with each other in the event of a spill or leak.

e. A fire extinguisher, an eyewash station, and an internal communication device (telephone or two-way radio) or alarm system capable of summoning emergency assistance (fire department) shall be located at or near the storage area.

f. Post weather-resistant signs stating "NO SMOKING WITHIN 50 FEET" on all exterior sides of the fenced area. Each sign shall be clearly visible from a distance of 50 feet.

g. Weather resistant signs reading "DANGER - UNAUTHORIZED PERSONNEL KEEP OUT" and "HAZARDOUS WASTE STORAGE AREA" shall be posted on each entrance. Each sign shall be clearly visible from a distance of 25 feet.

h. Spill containment kits are required for all 60-day Accumulation Sites and should include at a minimum:

(1) Readily accessible and clearly marked "HW/HM SPILL KIT".

(2) All material and equipment necessary to contain the specific type HW accumulated.

(3) If flammable liquids are accumulated, have absorbent (i.e., kitty litter or cloth absorbents), non-sparking shovel or dust pan to remove contaminated spill residue, gloves, face shields, rubber boots, etc.

(4) Containers and labels for spilled material.

i. Maintain sufficient aisle space (30 to 36 inches) around all HW containers to allow the unobstructed movement of personnel for fire protection, spill control, and access to decontamination equipment.

j. Position all containers so that the HW labels are clearly visible for inspection.

k. Label all containers using indelible ink; the accumulation date is the date that HW is first placed in the container.

l. HW shall not be stored more than 60 days.

m. Complete and document daily inspections on the inspection sheet provided by NAVSTA N4E. The inspection sheets are design to document a week of daily inspections. If the activity is secure and not working on a particular day, such as a weekend or holiday, indicate that on the form. Submit the completed inspection sheets to NAVSTA Mayport N4E for the previous week not later than the close of business the following Tuesday.

5. Satellite Accumulation Point (SAP):

a. Satellite Accumulation Point (SAP) must comply with applicable federal, state, local and Navy regulations and shall be approved by NAVSTA Mayport N4E.

b. SAP shall be located at or near the work area and under control of the generator.

c. SAP shall accumulate less than 55 gallons of wastes. The 55-gallon limit includes all waste; example, if five (5) different types of HW are accumulated, the total combined amount of all five (5) shall not exceed 55-gallons. Once the 55-gallon threshold is reached, date the container and transfer it to the 60-Day Accumulation Site or manifest and transport to a HW treatment and storage facility within three (3) calendar days.

Note: The 55 gallon limit does NOT included non-HW or Used Oil.

d. Complete daily inspections, document on the inspection sheet and submit to NAVSTA Mayport N4E not later than the close of business the follow Tuesday.

6. Container Management:

a. All containers shall be in good condition (minor surface rust or dents are allowed), sealed, non-leaking, and compatible with the material being stored. HW containers shall be closed at all times except when adding or sampling.

b. Seal containers properly to prevent spills or leaks during transport. All lids shall be closed and tightened.

c. Drums with rings shall have rings properly positioned with the bolt down and tightened.

CAUTION: USE NON-SPARKING TOOLS ON CONTAINERS OF FLAMMABLE MATERIALS.

d. Immediately transfer material from any container that does not properly seal.

e. Containers shall have no evidence of spills on the outside of the container; no dry or wet paint on the exterior sides.

7. HW labeling:

a. Complete all labels with indelible ink.

b. Label each container of HW with a yellow HW label.

Label must include EPA I.D. #
Name and address of generator
The proper shipping name of the waste
EPA Waste Numbers
Accumulation start date when required.
Manifest Number when transported off station.

c. Label non-HW containers with a completely filled out Non-HW label. Used Oil, antifreeze and grease are examples of non-HW.

8. Management of HW Storage Trailers or CONEX Boxes:

a. NAVSTA Mayport N4E must approve the location of HW storage trailers or CONEX boxes before use.

b. Contractor shall provide a temporary facility for HW storage generated during contracted work activities.

c. Contractor upon request shall immediately provide access and accompany NAVSTA Mayport N4E during inspections of locked units.

d. Contractor shall conduct daily inspections of their sites and provide NAVSTA Mayport N4E, via the SUPERVISOR, Code 140, a copy of the daily inspection report not later than noon Tuesday for the previous week.

e. The HW storage facility shall conform to applicable standards and contract specifications.

9. Management of Operations on Waterfront and Piers:

a. Contractor shall not store HW, HM, fuel tanks and oil products on the pier. However, a two-day paint supply may be stored adjacent to a contractor's temporary pier work facility.

b. Store no more than a two days supply of paints in a locked, steel "gang box" equipped with a fire extinguisher and signs reading: "FLAMMABLE" and "NO SMOKING OR OPEN FLAME."

c. Secondary containment (drip pan) is required for stationary and mobile equipment (if in the same location for more than four hours). The containment shall be capable of holding 110 percent of the fuels/oils carried on the equipment and labeled "Used Oil."

d. Leaking equipment (oil or fuel) shall not have drip pans permanently installed (hanging) under leak source due to potential oil spills from hanging drip pan.

e. Empty and clean all drip pans daily.

f. Remove equipment with excessive leaks from the piers for repairs.

g. Do not place HW, HM, oil, Used Oil, oily waste containers and stationary equipment containing fuel/oil within 15 feet of a pier edge and or storm drain unless approved by NAVSTA Mayport N4E.

i. Contractors utilizing portable equipment, i.e. tanks, tankers, trucks that contain hazardous materials, oil, or oily waste and must be within 15 feet of pier drains shall install drain covers during operation of the equipment. Drain covers shall be installed in accordance with manufacturers instructions. Drain cover shall be chemical resistant, flexible PVC equal to JOMAC or HIPPO Brand. The cost of the reusable drain covers and clean-up following each use will be borne by the contractors and will not be reimbursed by the Government.

j. Rubber drain covers will be used in addition to and are not considered a substitute for drip pans stenciled "Used Oil". The drip pans are mandated by SOPA Instructions and must be obtained and used.

10. Bulk Storage Tanks on the Waterfront and Piers:

a. Bulk mobile storage tanks are prohibited unless the tank can be readily removed within four hours of notification. FRAC tanks are the only exception to this prohibition.

b. Do not place non-mobile bulk storage on pier without written approval from NAVSTA Mayport N4E.

c. *Secondary containment for tank/tanker, storage, including FRAC (Baker) tanks if in the same pier location for more than four (4) hours:*

(1) Secondary containment berm height shall be a minimum of five (5) inches.

(2) Containment liner shall be 20 mil minimum thickness, high density polyethylene film equivalent to HTHD20 Black manufactured by MPD Plastics, <http://www.mpdplastics.com>.

(3) Liner/berm shall be secured to prevent effects from weather.

(4) Berm shall extend a minimum of two (2) feet from the sides of the tank/tanker.

(5) FRAC tanks stored on the pier shall have a minimum of three (3) feet separation between tanks to allow for inspection and maintenance.

(6) Containment shall be pumped/drained a minimum of 12 hours after a rain event or prior to overflow.

11. Equipment Discharges:

a. Equipment discharges of any substance including water, oil, solvents, solids, sludge, gases, etc. onto the pier is prohibited. Emissions and discharges from equipment will be collected and disposed of in accordance with local, state, and federal regulations.



EARL INDUSTRIES, L.L.C.
JACKSONVILLE DIVISION

Table of Contents PAINTS

Earl Industries

- (E01) F-150 mixed
- (E02) F-151 mixed
- (E03) F-152 mixed
- (E04) F-154 mixed
- (E05) F-156 mixed
- (E06) Tankguard primer part A
- (E07) Tankguard primer part B
- (E08) Tank guard gray part A
- (E09) Tankguard white part A
- (E10) Tankguard blue part A
- (E11) Tankguard blue, white, gray part B
- (E12) Duraplate gold primer part A
- (E13) Duraplate gold primer part B
- (E14) Duraplate white part A
- (E15) Duraplate white part B
- (E16) Duraplate green part B
- (E17) Novaplate buff primer part A
- (E18) Novaplate light gray part A
- (E19) Novaplate part B
- (E20) 24635 gloss stripping blue
- (E21) 24635 gloss red
- (E22) 24635 gloss yellow
- (E23) 24635 gloss brown stripping
- (E24) 24635 gloss green stripping
- (E25) 24635 JP5 gloss purple
- (E26) 24635 gloss black
- (E27) 24635 haze gray
- (E28) LSA haze gray
- (E29) 24635 bow # light gray
- (E30) 24635 bow # ocean gray
- (E31) 24635 deck gray
- (E32) 24635 semi gloss black 24635 flat black
- (E33) F-111
- (E34) F-84 zinc molybdate primer
- (E35) F-121 A
- (E36) F-129 A
- (E37) F-124 soft white
- (E38) Pastel blue
- (E39) Pastel green



EARL INDUSTRIES, L.L.C.
JACKSONVILLE DIVISION

Table of Contents Paints

Earl Industries

- (E040) Beach sand
- (E041) F-25A bright white
- (E042) F-25A soft white latex 24596A
- (E043) F-25A beach sand latex
- (E044) F-130 solvent
- (E045) MAK
- (E046) Mineral Spirits
- (E047) Denatured Alcohol
- (E048) Euro A K & S
- (E049) Euro B K
- (E050) Euro B S
- (E051) Interbond 998 red
- (E052) Interbond 998 off white
- (E053) Interbond 998 converter
- (E054) PSX 700 A
- (E055) PSX 700 B
- (E056) Dimetcote A
- (E057) Dimetcote B
- (E058) PSX 892 HS
- (E059) Niles LSA haze gray 24635
- (E060) Niles LSA non-staining haze gray 24635
- (E061) 957Niles LSA deck gray 24635
- (E062) Niles Insignia blue 24635
- (E063) Niles LSA gray latex
- (E064) 959MS7CZ A
- (E065) MS7CZ B Hardner
- (E066) MS 375 G A Base
- (E067) MS 375 B Hardner
- (E068) Terra Cotta Enamel – voc compliant
- (E069) 24635 Gloss Brown
- (E070) 24635 Gloss Dark Blue

EARL INDUSTRIES HAZARDOUS WASTE LOG

Solid & Liquid

DATE STORED	DATE REMOVED	TYPE	AMOUNT	SOLID OR LIQUID
7 16 04		SOFT WHITE, FILL, HAZE GRAY USA, CONTAMINATED W/ RAIN WATER	1 GAL	LIQUID
7 16 04		F150, F151, F152, F157, F158, F159, F160, F161, F162, F163, F164, F165, F166, F167, F168, F169, F170, F171, F172, F173, F174, F175, F176, F177, F178, F179, F180, F181, F182, F183, F184, F185, F186, F187, F188, F189, F190, F191, F192, F193, F194, F195, F196, F197, F198, F199, F200, F201, F202, F203, F204, F205, F206, F207, F208, F209, F210, F211, F212, F213, F214, F215, F216, F217, F218, F219, F220, F221, F222, F223, F224, F225, F226, F227, F228, F229, F230, F231, F232, F233, F234, F235, F236, F237, F238, F239, F240, F241, F242, F243, F244, F245, F246, F247, F248, F249, F250, F251, F252, F253, F254, F255, F256, F257, F258, F259, F260, F261, F262, F263, F264, F265, F266, F267, F268, F269, F270, F271, F272, F273, F274, F275, F276, F277, F278, F279, F280, F281, F282, F283, F284, F285, F286, F287, F288, F289, F290, F291, F292, F293, F294, F295, F296, F297, F298, F299, F300, F301, F302, F303, F304, F305, F306, F307, F308, F309, F310, F311, F312, F313, F314, F315, F316, F317, F318, F319, F320, F321, F322, F323, F324, F325, F326, F327, F328, F329, F330, F331, F332, F333, F334, F335, F336, F337, F338, F339, F340, F341, F342, F343, F344, F345, F346, F347, F348, F349, F350, F351, F352, F353, F354, F355, F356, F357, F358, F359, F360, F361, F362, F363, F364, F365, F366, F367, F368, F369, F370, F371, F372, F373, F374, F375, F376, F377, F378, F379, F380, F381, F382, F383, F384, F385, F386, F387, F388, F389, F390, F391, F392, F393, F394, F395, F396, F397, F398, F399, F400, F401, F402, F403, F404, F405, F406, F407, F408, F409, F410, F411, F412, F413, F414, F415, F416, F417, F418, F419, F420, F421, F422, F423, F424, F425, F426, F427, F428, F429, F430, F431, F432, F433, F434, F435, F436, F437, F438, F439, F440, F441, F442, F443, F444, F445, F446, F447, F448, F449, F450, F451, F452, F453, F454, F455, F456, F457, F458, F459, F460, F461, F462, F463, F464, F465, F466, F467, F468, F469, F470, F471, F472, F473, F474, F475, F476, F477, F478, F479, F480, F481, F482, F483, F484, 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F817, F818, F819, F820, F821, F822, F823, F824, F825, F826, F827, F828, F829, F830, F831, F832, F833, F834, F835, F836, F837, F838, F839, F840, F841, F842, F843, F844, F845, F846, F847, F848, F849, F850, F851, F852, F853, F854, F855, F856, F857, F858, F859, F860, F861, F862, F863, F864, F865, F866, F867, F868, F869, F870, F871, F872, F873, F874, F875, F876, F877, F878, F879, F880, F881, F882, F883, F884, F885, F886, F887, F888, F889, F890, F891, F892, F893, F894, F895, F896, F897, F898, F899, F900, F901, F902, F903, F904, F905, F906, F907, F908, F909, F910, F911, F912, F913, F914, F915, F916, F917, F918, F919, F920, F921, F922, F923, F924, F925, F926, F927, F928, F929, F930, F931, F932, F933, F934, F935, F936, F937, F938, F939, F940, F941, F942, F943, F944, F945, F946, F947, F948, F949, F950, F951, F952, F953, F954, F955, F956, F957, F958, F959, F960, F961, F962, F963, F964, F965, F966, F967, F968, F969, F970, F971, F972, F973, F974, F975, F976, F977, F978, F979, F980, F981, F982, F983, F984, F985, F986, F987, F988, F989, F990, F991, F992, F993, F994, F995, F996, F997, F998, F999, F1000	12 GAL	SOLID
7 17 04		SOFT WHITE, HAZE GRAY, DECK GRAY, FILL, ENAMLS CONTAMINATED W RAIN WATER	3 QT	LIQUID
7 17 04		F150, NON SKID, EPOXY, SOFT WHITE, HAZE GRAY, PASTEL BLUE, DECK GRAY ENAMLS, BRUSHES ROLLERS, RAGS, SOLVENT RAGS, BUCKET LINERS 1 QT CONTAINERS	7 GAL	SOLID
7 18 04		F150, F151, EPOXY, SOFT WHITE, HAZE GRAY, DECK GRAY, PURPLE, BLUE, YELLOW, TELS COITTA ENAMLS, BRUSHES, RAGS, RAGS, RAGS, SOLVENT RAGS, BUCKET LINERS 1 QT CONTAINERS	9 GAL ^{Full 0.12}	SOLID
7 19 04		F150, F152, EPOXY, SOFT WHITE, HAZE GRAY, DECK GRAY ENAMLS, BRUSHES ROLLERS, RAGS, SOLVENT RAGS, BUCKET LINERS, 1 QT CONTAINERS	10 GAL ^{NEW FROM}	SOLID
7 20 04		F150, F157, F158, EPOXY, SOFT WHITE, HAZE GRAY ENAMLS, BRUSHES ROLLERS RAGS SOLVENT RAGS, BUCKET LINERS, 1 QT PLASTIC CONTAINERS	8 GAL	SOLID
7 21 04		F150, F151, F152, F157, F158 EPOXY, SOFT WHITE, HAZE GRAY, DECK GRAY ENAMLS, BRUSHES ROLLERS RAGS, SOLVENT RAGS, BUCKET LINERS, 1 QT PLASTIC CONTAINERS	10 GAL	SOLID
7 22 04		F150, F151, F156, EPOXY, SOFT WHITE, DECK GRAY, HAZE GRAY, FILL, ENAMLS, RAGS SOLVENT RAGS, BRUSHES, ROLLERS, BUCKET LINERS, + ZINC POLYDATE ENAMEL	7 GAL	SOLID
7 22 04		F150, F151, EPOXY, SOFT WHITE, HAZE GRAY DECK GRAY, BEACH SAND MORTAR ENAMLS, BRUSHES, ROLLERS, RAGS, SOLVENT RAGS, BUCKET LINERS, DYE PENETRANT WIPES, GARBAGE CONTAMINATED WITH EPOXY RESINS + ENAMEL PAINTS	20 GAL ^{Full 0.12}	SOLID
7 23 04		HAZE GRAY, SOFT WHITE, FILL	1/2 GAL	LIQUID

53.75
+ 7.25
61.00

EARL INDUSTRIES HAZARDOUS WASTE LOG

DATE STORED	DATE REMOVED	TYPE	AMOUNT <small>20 GAL SOLID</small>	SOLID OR LIQUID
7 6 05		F150, F156, TANK COATS BLUE EPOXY, ZINC MILD P-24, SOFT WHITE, FLAT BLACK, HAZE GRAY, ENAMELS, BRUSH HANDS, ROLLERS, RAGS, BUCKET LINERS, SOLVENT RAGS	15 GAL	SOLID
7 6 05		FLAT BLACK ENAMEL EXPIRED ZINC MILD DATE PRIMER CONTAMINATED W/RAIN WATER	7 GAL 1QT	LIQUID
7 7 05		F151, F152, F150, EPOXY, SOFT WHITE, HAZE GRAY, ZINC MILD P-24, BLACK, ENAMELS, BRUSHES, RAGS, ROLLERS, SOLVENT RAGS, BUCKET LINERS CONTAMINATED CALB BOARD	20 GAL <small>NEW DRUM</small>	SOLID
7 8 04		SOFT WHITE & DECK GRAY ENAMELS CONTAMINATED W/RAIN WATER		LIQUID
7 8 04		F150, F152, F156 EPOXY, SOFT WHITE, HAZE GRAY, DECK GRAY ENAMELS, BRUSHES, ROLLERS, RAGS, SOLVENT RAGS, BUCKET LINERS, 1 QT PLASTIC CONTAINERS	12 GAL <small>NEW DRUM</small>	SOLID
7 9 04		HAZE GRAY CONTAMINATED W/RAIN WATER	2 QT	LIQUID
7 10 04		F150, F151, EURO PRIMER, EURO RED EPOXY, SOFT WHITE, HAZE GRAY, DECK GRAY ENAMELS, BRUSHES, ROLLERS, RAGS, SOLVENT RAGS, BUCKET LINERS, 1 QT PLASTIC CONTAINERS	10 GAL	SOLID
7 12 04		F150, TANK COATS BLUE, EURO RED ENAMELS, SOFT WHITE HAZE GRAY DECK GRAY ENAMELS, BRUSHES, ROLLERS, RAGS, SOLVENT RAGS, BUCKET LINERS, 1 QT CONTAINERS CONTAMINATE BLACK ENAMEL	18 GAL	SOLID
7 12 04			1 QT <small>FULL</small>	LIQUID
7 13 04		F150, EPOXY, SOFT WHITE, HAZE GRAY, DECK GRAY, BLUE, BLACK, PURPLE ENAMELS, BRUSHES, ROLLERS, RAGS, SOLVENT RAGS, BUCKET LINERS, 1 QT CONTAINERS SPENT SOLVENT	15 GAL <small>FULL DRUM</small> 7 GAL <small>NEW DRUM</small>	SOLID LIQUID
7 14 04		F150, TANK COATS PRIMER & BLUE, F151, EPOXY, DECK GRAY, EURO COAT, SOFT WHITE, HAZE GRAY ENAMELS, BRUSHES, ROLLERS, RAGS, SOLVENT RAGS, 1 QT PLASTIC CONTAINERS, BUCKET LINERS	15 GAL <small>NEW DRUM</small>	SOLID
7 15 04		F151, EPOXY, SOFT WHITE, DECK GRAY, ENAMELS, BRUSHES, ROLLERS, RAGS, SOLVENT RAGS, BUCKET LINERS & 1 QT PLASTIC CONTAINERS	12 GAL	SOLID

EARL INDUSTRIES HAZARDOUS WASTE LOG

DATE STORED	DATE REMOVED	TYPE	AMOUNT	SOLID OR LIQUID
6 21 04		SOLVENT RAG	^{NEW} 102	SOLID
6 22 04		FISO, TANGUARD BLUE, EPOXY, SOFT WHITE, MAZE GRAY, RED ENAMELS, MAZE GRAY LATEX, BRUSHES, ROLLERS, RAGS, BUCKET LINERS & LIDS	10 GAL	SOLID
6 23 04		CONTAMINATED SOFT WHITE SPENT SOLVENT	2 GAL	LIQUID
6 23 04		FISO, EPOXY, SOFT WHITE, MAZE GRAY, DECK GRAY ENAMELS, BRUSHES, ROLLERS, RAGS, SOLVENT RAGS, BUCKET LINERS.	9 GAL	SOLID
6 24 04		CONTAMINATED MAZE GRAY & DECK GRAY ENAMEL	1 PT	LIQUID
6 25 04		SOFT WHITE, MAZE GRAY, BLACK, RED, PURPLE ENAMELS CONTAMINATED	1/2 GAL	LIQUID
6 25 04		FISO, F152, EPOXY, SOFT WHITE, MAZE GRAY, BLACK, RED, PURPLE ENAMELS, BRUSHES, ROLLERS, RAGS, BUCKET LINERS, 1 ST CONTAINER & ZINC MORTAR PATCH ENAMEL	9 GAL	SOLID
6 26 04		FISO, F151, F152 EPOXY, SOFT WHITE, F111 MAZE GRAY, BLACK, ENAMELS, BRUSHES, ROLLERS, RAGS, BUCKET LINERS, SOLVENT & ALCOHOL RAGS	15 GAL	SOLID
6 28 04		EXPIRED DARK BLUE ENAMEL & SPENT SOLVENT	4 GAL	LIQUID
6 29 04		FISO, F151, F152 EPOXY, SOFT WHITE, MAZE GRAY TERRACOTA, ZINC MORTAR PATCH ENAMELS, BRUSHES, ROLLERS, RAGS, SOLVENT RAGS, BUCKET LINERS	^{NEW DRUM} 13 GAL	SOLID
6 30 04		FISO, F151, F152 TANGUARD BLUE EPOXY, MAZE GRAY ENAMEL, BRUSHES, ROLLERS, RAGS, BUCKET LINERS, 1 ST CONTAINERS	8 GAL	SOLID
7 1 04		SOFT WHITE CONTAMINATED WITH RAIN WATER	1/2 GAL	LIQUID
7 2 04		F150, F151, F152, TANGUARD PAINTER, TANGUARD BLUE EPOXY, SOFT WHITE MAZE GRAY, DECK GRAY, ENAMELS, BRUSHES, ROLLERS, RAGS, BUCKET LINERS.	17 GAL	SOLID
7 2 04		SOFT WHITE CONTAMINATED WITH RAIN WATER	2 OR 1 PT	LIQUID

50
15
25
90

30%

EARL INDUSTRIES HAZARDOUS WASTE LOG

DATE STORED	DATE REMOVED	TYPE	AMOUNT	SOLID OR LIQUID
6 3 04		F150, F151, EPOXY RES, EPOXYS, SOFT WHITE, PASTE GREEN, BLUE, FILL ENAMELS, BRUSHES, ROLLERS RAGS, POP CAN, SOLVENT RAGS, BUCKET LINERS, 1 GALLON CONTAINERS	20 GAL ^{NEW DRUM}	SOLID
6 4 04		PASTEL GREEN TPO 24607 EXPIRED	1 GAL 1 QT	LIQUID
6 4 04		F150, F151 EPOXYS, SOFT WHITE, HAZE GRAY, PASTEL GREEN ENAMELS, BRUSHES, ROLLERS, RAGS, BUCKET LINERS	5 GAL	SOLID
6 5 04		SPENT SOLVENT & CONTAMINATED SOFT WHITE	8 GAL	LIQUID
		SPRAY CAN RESIDUE & SPENT SOLVENT	2 1/2 GAL	LIQUID
6 7 04		CONTAMINAT SOFT WHITE	3 PT	LIQUID
6 7 04		F150, F151, EPOXYS, SOFT WHITE, HAZE GRAY, BLUE, BLACK ENAMELS, BRUSHES, ROLLERS, RAGS, BUCKET LINERS	6 GAL	SOLID
6-8-04		Buckets Liners BISSUCANONS, HAZE GRAY ISOPOXY DYE - RAGS	10 GAL.	SOLID.
6-9-04		RAGS acetone soaked AND DIED.	5 GAL.	SOLID
6-11-04		CAN - SPENT PAINT EPOXY ISO SOFT WHITE - CONTAMINATED	NEW DRUM 59 GAL	SOLID LIQUID
6-14-04		10 GAL. SPENT PAINT/WHITE RAGS CONTAMINANT/DECK GRAY	10 GAL	SOLID
6 17 04		F150, F151, NOD SKID PRIMER, EPOXYS, SOFT WHITE, DECK GRAY, HAZE GRAY, FINE S MEXY'S ENAMELS, BRUSHES, ROLLERS, RAGS, BUCKET LINERS, DYE PENETRANT WIPES	20 GAL	SOLID
6 18 04		F151, NOD SKID PRIMER, EPOXYS, SOFT WHITE, FILL, DECK GRAY, PSX 892 HS ENAMELS, BRUSHES, ROLLERS, RAGS, BUCKET LINERS, DYE PENETRANT WIPES	10 GAL	SOLID
6 21 04		F150, F151, NOD SKID PRIMER, NOD SKID, TANK GAUGE PRIMER EPOXYS, SOFT WHITE, FILL, BLACK ENAMELS, BRUSHES, ROLLERS, RAGS, BUCKET LINERS, 1 BUCKET, DYE PENETRANT WIPES		SOLID

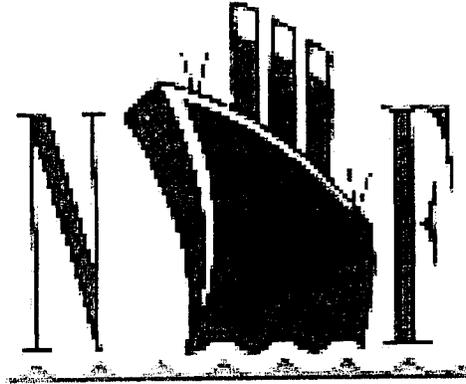
EARL INDUSTRIES HAZARDOUS WASTE LOG

DATE STORED	DATE REMOVED	TYPE	AMOUNT	SOLID OR LIQUID
6 3 04		F150, F151, EPOXY RES, EPOXYS, SOFT WHITE, PASTE GREEN, BLUE, FILL ENAMELS, BRUSHES, ROLLERS, RAGS, POP CANS, SOLVENT RAGS, BUCKET LINERS, 1 GASKET CONTAINERS	20 GAL ^{NEW DRUM}	SOLID
6 4 04		PASTEL GREEN TPO 24607 EXPIRED	1 GAL 1 QT	LIQUID
6 4 04		F150, F151 EPOXY, SOFT WHITE, HAZE GRAY, PASTEL GREEN ENAMELS, BRUSHES, ROLLERS, RAGS, BUCKET LINERS	5 GAL	SOLID
6 5 04		SPENT SOLVENT & CONTAMINATED SOFT WHITE SPRAY CAN RESIDUE & SPENT SOLVENT	8 GAL 2 1/2 GAL	LIQUID LIQUID
6 7 04		CONTAMINANT SOFT WHITE	3 PT	LIQUID
6 7 04		F150, F151, EPOXY, SOFT WHITE, HAZE GRAY, BLUE, BLACK ENAMELS, BRUSHES, ROLLERS, RAGS, BUCKET LINERS	6 GAL	SOLID
6-8-04		Buckets Liners BRUSHES, RAGS, HAZE GRAY ISOPOXY DYE - RAGS	10 GAL	SOLID
6-9-04		RAGS acetone soaked AND DIED.	5 GAL	SOLID
6-11-04		CAN - SPENT PAINT EPOXY ISO SOFT WHITE - CONTAMINANT	NEW DRUM 59 GAL	SOLID
6-14-04		10 GAL SPENT PAINT/WHITE RAGS CONTAMINANT/DECK GRAY	10 GAL	SOLID
6 17 04		F150, F151, NEW SPIN PRIMER EPOXY SOFT WHITE, DECK GRAY, HAZE GRAY, FINE S METER ENAMELS, BRUSHES, ROLLERS, RAGS, BUCKET LINERS, DYE PENETRANT WIPES	20 GAL	SOLID
6 18 04		F151, NEW SPIN PRIMER EPOXY, SOFT WHITE, FILL, DECK GRAY, BLACK ENAMELS, BRUSHES, ROLLERS, RAGS, BUCKET LINERS, DYE PENETRANT WIPES	10 GAL	SOLID
6 20 04		F150, F151, NEW SPIN PRIMER, NEW ACID, TANK GRADE PRIMER EPOXY, SOFT WHITE, FILL, BLACK ENAMELS, BRUSHES, ROLLERS, RAGS, BUCKET LINERS, 1 BUCKET, DYE PENETRANT WIPES		SOLID

EARL INDUSTRIES

HAZARDOUS WASTE LOG

DATE STORED	DATE REMOVED	TYPE	AMOUNT	SOLID OR LIQUID
5 19 04		F150, F151, F154, F156, EPOXY'S, FILL, SOFT WHITE, HAZE GRAY, DECK GRAY, PURPLE, BLUE, RED ENAMELS, BRUSHES, RAGS, BUCKET LINERS, SOLVENT RAGS, BUCKET LINERS, EPOXY CANS	NEW BORN 20 GAL	SOLID
5 20 04		F150, EURO RED EPOXY'S, SOFT WHITE HAZE GRAY DECK GRAY, FILL, BLACK ENAMELS, BRUSHES ROLLERS, RAGS, BUCKET LINERS, SCRAPER + ZINC MOLYBDATE	12 GAL	SOLID
5 21 04		SPENT SOLVENT + SPENT MINERAL SPIRITS F150 RESIN UNKNOWN ORIGIN NOT CANS	3.5 GAL	LIQUID
5 21 04		F150, F151, EURO RED OXIDE, EPOXY'S, BLACK DECK GRAY, SOFT WHITE, HAZE GRAY, FILL ENAMELS, BRUSHES, RAGS, BUCKET LINERS, EPOXY CAN	10 GAL	SOLID
5 24 04		CONTAMINATED SOFT WHITE	3 PT	LIQUID
5 25 04		FINE BLACK ENAMEL EXPANDED	40 OZ	LIQUID
5 25 04		F150, F154, EPOXY'S, SOFT WHITE HAZE GRAY DECK GRAY, BLACK ENAMELS, BRUSHES, ROLLERS, BUCKET LINERS, SOLVENT RAGS, SIGAL CANS SOLIDIFIED EPOXY	13 GAL ^{FULL}	SOLID
5 26 04		F150, F154, EPOXY'S, SOFT WHITE, HAZE GRAY ZINC MOLYBDATE ENAMELS, RAGS, ROLLERS SOLVENT RAGS, BUCKET LINERS	NEW 6 GAL	SOLID
5 27 04		F154 EXPIRED SOLIDIFIED IN CANS	10 GAL	SOLID
5 29 04		F150, F151, EURO RED OXIDE EPOXY'S SOFT WHITE, ZINC MOLYBDATE, DECK GRAY, HAZE GRAY ENAMELS, BRUSHES, ROLLERS, RAGS SOLVENT RAGS, BUCKET LINERS	14 GAL	SOLID
6 1 04		CONTAMINATED SOFT WHITE	1 GAL	LIQUID
6 1 04		F150, F151, EPOXY'S, SOFT WHITE, BLUE, PURPLE, BLACK ENAMELS, BRUSHES, ROLLERS, RAGS, BUCKET LINERS, 1	25 GAL ^{FULL}	SOLID
6 2 04		EXPIRED PASTEL GREEN	2 1/2 GAL	LIQUID



STANDARD OPERATING PROCEDURE

NFSYSOP-A-013 Rev 3

**ENVIRONMENTAL
HAZARDOUS WASTE CONTINGENCY
AND
MANAGEMENT PLAN**

Approved By: _____

J.E. Meierdierck
J.E. Meierdierck
Quality Assurance Director

Reviewed By: _____

Charles W. Bryant
Charles W. Bryant
Environmental/Safety Coordinator



NSYSOP-A-013	Revision 2
Date: 10/08/02	Page 1 of 10

Standard Operating Procedure

Environmental, Hazardous Waste Contingency & Management Plan

1.0 INTRODUCTION:

1.1 The Resource Conservation Recovery Act (RCRA) authorized the Environmental Protection Agency (EPA) to implement regulation for the control of Hazardous Waste (HW) from the point of generation to the point of disposal, thus ensuring that HW does not pose a threat to human health or the environment. State and Federal compliance programs regulate businesses which generate, store, treat, transport or dispose of HW. As per the requirements of 40CFR Chapter 261.5, North Florida Ship Yard, Inc. (NFSY) Mayport Division is a small quantity generator and operates under EPA identification number FL6170023786.

2.0 PURPOSE & SCOPE:

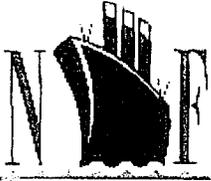
2.1 The purpose of this plan is to comply with appropriate sections of SOPA (Admin) Mayport Instruction 5090.1E and SUPSHIPJAX Local Standard Item 099-60JA. It outlines a functional management system for environmental protection and the collection, segregation, accumulation and disposal of all HW generated by North Florida Ship Yard, Inc. Mayport Division through its shipboard repair and maintenance support operations. North Florida Ship Yard's policy is to protect the environment and to minimize generated HW to the maximum extent possible.

3.0 REFERENCES:

- 3.1 40 CFR Chapter 261.5
- 3.2 29 CFR PART 1915.1000
- 3.3 SOPA (Admin) Mayport Instruction 5090.1E
- 3.4 NAVSEA STANDARD ITEM 009-03
- 3.5 SSJAX Local Standard Item 099-52JA
- 3.6 SSJAX Local Standard Item 099-60JA
- 3.7 OSHA 1910.120 (e)
- 3.8 NFSYSOP-A-009 Rev A, Toxic and Hazardous Substances; control
- 3.9 STD-NF-09952JA Rev A, Notification of HM/HW Transportation

4.0 DEFINITIONS

- 4.1 HAZARDOUS MATERIAL – A substance exhibiting any one of the four characteristics: ignitable, reactive, corrosive, or toxic. Hazardous material usage leads to hazardous waste. Minimal use of a hazardous substance minimizes development of a hazardous waste. The selection and use of substitute non-hazardous materials should be utilized to the maximum extent.
- 4.2 NAVY WASTE – Waste generated by United States Navy personnel. This generated waste should bear their assigned EPA Identification Number.



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LIST OF ATTACHMENTS

<u>ATTACHMENT</u>	<u>TITLE</u>
1	Current Area Directory
2	Hazardous Waste Label
3A	Hazardous waste disposal log
3B	Hazardous Waste Log (Aerosol Cans)
3C	Inspection of Temporary HW Storage Area Daily Report
3D	Inspection of Temporary HW Storage Area Weekly Report
4	NFSY Requisition Form
5	Mayport Emergencies Procedure
6	Emergency Procedures/Contingency Plan HW/Chemical Spill & Phone Numbers
7	Fire Extinguisher Locations
8	Emergency Response Flow Chart
9	Hazardous Communication Standard Record Onsite Subcontractor Form
10A	NFSY Building Layout Plan (floor level)
10B	NFSY Building Layout Plan (upper level)
10C	Hazardous waste location
11	Spill Contingency and Control Plan Response Team
12	Transporter Check List
13	Certificate of Disposal
14	TSD Certificate of Compliance
15	LSI 099-60JA Attachment "A" (Naval Station Mayport Florida Environmental Regulations)
16	HWC Certification of Training



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4.3 CO-GENERATED HAZARDOUS WASTE – Hazardous waste generated by the combined actions of U.S. Navy personnel and North Florida ShipYard personnel. The SUPERVISOR shall be notified before HW generation. With NAVSTA Mayport N4E agreement, documents related to Co-Generated HW shall bear both NFSY's EPA/FDEP ID number and NAVSTA Mayport's EPA/FDEP ID Number. List NFSY's ID number in the "Generator Number" box and NAVSTA Mayport's ID number in the "Special Handling Instructions & Additional Information" block pursuant to applicable law. NFSY shall provide access to all documents related to Co-Generated HW for review by NAVSTA Mayport N4E and receive concurrence from NAVSTA Mayport for HW characteristics before transportation off station. NFSY shall track the manifests and immediately notify the SUPERVISOR, Code 140, of any discrepancies.

4.4 NORTH FLORIDA SHIP YARD HAZARDOUS WASTE – Any waste generated by North Florida Ship yard personnel which is classified as a HW. The use of NFSY's EPA/FDEP identification number (ID), pursuant to applicable law, shall be on all applicable profiles, labels and manifest's. All HW manifests must bear only the EPA/FDEP ID Number issued to NFSY. And shall be disposed of in accordance with federal, state and local regulations. All NFSY employees are responsible for ensuring all measures are taken to control hazardous waste and to maintain and operate their work areas in an environmentally safe manner.

5.0 **DUTIES and RESPONSIBILITIES:**

5.1 Hazardous Waste Coordinator (HWC) – The HWC is responsible for hazardous material control, manifesting, shipping, receiving, warehousing and disposal of hazardous waste. The HWC is responsible for maintaining a log (see attachments 3A, 3B and 3C) of all waste contained in the designated Hazardous Waste Storage Area. The HWC shall immediately, upon request, provide NAVSTA Mayport N4E a key to conduct inspections of locked HW and HM storage areas. The HWC shall conduct daily inspections of HW storage sites and provide NAVSTA Mayport N4E a copy of the daily inspection report and immediately correct any deficiencies identified during NFSY, NAVSTA Mayport or SUPERVISOR inspections. The HWC shall obtain from the SUPERVISOR, Code 140, approval for HW storage, including location and type of storage (i.e. Satellite or 60-Day Accumulation). The HWC shall provide NAVSTA Mayport N4E access to HW records. The HWC shall have completed all required training (see attachment 16).

5.2 Emergency Coordinator (EC) – The EC shall assume command of emergency response operations until relieved by the Naval Station Fire Department.

5.3 North Florida Ship Yard, Inc – Shall accept/retain liability, including all associated fines and penalties for improper management or disposal of HW.

6.0 **HAZARDOUS WASTE TRAINING**

6.1 Initial training for HW operations commences upon hiring at North Florida Ship Yard. Indoctrination training is conducted at NFSY's Commodore's Point facility. Follow-on training of the employee is the responsibility of the individual NFSY Division assigned. The follow-on training shall be in accordance with OSHA 1910.120 (e) and shall include, as a minimum, the following:



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- A. Names of Personnel and alternates responsible for site safety (see attachment 11)
- B. Identification of material
- C. Spill management and decontamination
- D. Equipment and engineering control
- E. Use of personal protective equipment (PPE)
- F. Site Security
- G. Confined Space Entry
- H. Medical Surveillance

7.0 **CHANGES SINCE LAST REVISION:**

7.1 None

8.0 **EQUIPMENT/MATERIALS:**

- 8.1 Hazardous Waste Labels
- 8.2 DOT Approved HW Drums (55 gallon)
- 8.3 Fire Extinguishers (ABC and CO₂)
- 8.4 Absorbent Materials (pads and granular)
- 8.5 Clean rags
- 8.6 Boots
- 8.7 Coveralls
- 8.8 Gloves
- 8.9 Scoop Shovel
- 8.10 Water Barricade
- 8.11 Duct Tape
- 8.12 Safety Goggles
- 8.13 Large and Small Oil Boom
- 8.14 Decontamination Chemicals

9.0 **HAZARDOUS MATERIAL/HAZARDOUS WASTE PROCEDURE:**

9.1 Proper handling, stowage and processing of hazardous materials and hazardous waste are key elements in protecting the environment. All NFSY employees shall strictly adhere to attachment 15 and the following guidelines.

9.2 **Hazardous Material Stowage and Handling:**

9.2.1 Prior to transporting any hazardous material accomplish the requirements of reference 3.9 for notification of Hazardous Materials Transportation (see attachment 1).

9.2.2 Prior to stowing or using any hazardous material, obtain and read the applicable Material Safety Data Sheet (MSDS). The MSDS contains all pertinent information needed to safely store and utilize the hazardous material. All hazardous materials shall be properly labeled and shall be stowed in an approved HAZMAT locker. No HM shall be stored on the ship or craft.



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9.2.3 Prior to hazardous material usage onboard a Naval vessel, accomplish the requirements of reference 3.8.

9.3 Hazardous Waste Stowage, Handling

9.3.1 To ensure all hazardous waste is properly stowed, handled and disposed of the following mandatory requirements must be strictly adhered to.

9.3.2 Stowage and Handling

9.3.2.1 All hazardous waste shall be properly identified and labeled (see attachment 2) using indelible ink. If the substance is unknown, testing by a certified laboratory shall be accomplished to determine its identity and establish whether the substance is hazardous or non-hazardous. The laboratory results shall be maintained for a period of three (3) years. The following information shall be on the yellow HW label;

- A. EPA ID #
- B. Name and address of generator
- C. The proper shipping name of the waste
- D. EPA Waste Numbers
- E. Accumulation start date when required
- F. Manifest number when transported off station

9.3.2.2 A hazardous waste log (see attachments 3A, 3B and 3C) shall be maintained by the HWC. The hazardous waste log shall contain the following information.

- 1) Date
- 2) Time of entry
- 3) Proper shipping name of the waste
- 4) Drum number the HW is placed in
- 5) Amount in pounds and/or gallons
- 6) HWC's printed name
- 7) HWC's signature

9.3.2.3 Commingling of any HW substances shall not be done until a compatibility review of the applicable MSDS's has been accomplished

9.3.2.4 All HW containers are to be in good condition (minor surface rust or dents are allowed), sealed, non-leaking, and compatible with the material being stored. HW containers are to be kept tightly sealed except when receiving HW. Drums with rings shall have rings properly positioned with the bolt down and tightened. USE NON-SPARKING TOOLS ON CONTAINERS OF FLAMMABLE MATERIALS. Immediately transfer material from any container that does not properly seal. Containers shall have no evidence of spills on the outside of the container (no dry or wet paint on the exterior). Containers are to be stowed so that the HW labels are clearly visible for inspection.

9.3.2.5 Containers storing HW liquids shall have at least three (3) inches clearance from the top surface of the liquid to the top of the container for thermal expansion.



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- 9.3.2.6 Maintain sufficient aisle space (30 to 36 inches) around all HW containers to allow the unobstructed movement of personnel for fire protection, spill control, and access to decontamination equipment.
- 9.3.2.7 HW will only be stored in containers marked for hazardous waste and shall not be stored for more than 60 days.
- 9.3.2.8 Rags containing acids, oils, paints and solvents shall be segregated and stored in properly labeled 55 gallon drums. Disposal shall be in accordance with Local, State and Federal Regulations.
- 9.3.2.9 All HW shall be stored in NFSY's designated Hazardous Waste Storage Area (60 day accumulation site) which shall comply with applicable federal, state, local and Navy regulations and be approved by NAVSTA Mayport N4E4.
- A. NFSY's designated hazardous waste storage area description
- 1). Eight (8) foot high chain link fenced with roll gate locked at all times to control access.
 - 2) Berm for containment in the event of spills to preclude commingling
 - 3) Secondary containment for all containers
 - 4) Paved access for vehicles.
 - 4) ABC fire extinguisher.
 - 5) Eyewash Station
 - 6) Weather resistant signs posted on all four (4) sides stating "No Smoking Within 50 Feet". Each sign shall be clearly visible from a distance of 50 feet and weather resistant signs reading "Danger - Unauthorized Personnel Keep Out" and "Hazardous Waste Storage Area" shall be posted on each entrance and shall be clearly visible from a distance of 25 feet.
- 9.3.2.10 Complete and document daily inspections on the inspection sheet provided by NAVSTA N4E (see attachment 3E). The inspection sheets are designed to document a week of daily inspections. If NFSY is secure or not working on a particular day, such as a weekend or holiday, indicate that on the form. Submit the completed inspection sheets to NAVSTA Mayport Code N4E for the previous week not later than the close of business the following Tuesday. (See attachment 3D).
- 9.3.2.11 Satellite Accumulation Point (SAP)
- A. Satellite Accumulation Point (SAP) must comply with applicable federal, state, local and Navy regulations and shall be approved prior to use by NAVSTA Mayport N4E.
 - B. SAP shall be located at or near the work area and under control of the generator.
 - C. SAP shall accumulate less than 55 gallons of wastes. The 55 gallon limit includes all waste; example, if five (5) different types of HW are accumulated, the total combined amount of all five (5) shall not exceed 55 gallons. Once the 55 gallon threshold is reached, and date the container and transfer it to the 60 day accumulation site or manifest and transport to a HW treatment and storage facility within three (3) calendar days.

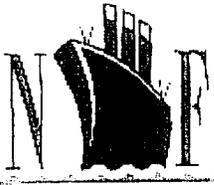


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- D. Complete daily inspections, document on the inspection sheet and submit to NAVSTA N4E no later than the close of business the following Tuesday (see attachment 3D and 3E).
- 9.3.2.12 Used petroleum-based products such as hydraulic fluids, lubricating oils, diesel fuel marine, JP-5, and fuels with flash points above 100 degrees fahrenheit are considered **Used Oil**.
- 9.3.3 - Management of HW storage trailers or conex boxes
- 9.3.3.1 NAVSTA Mayport N4E must approve the location of HW storage trailers or conex boxes before use.
- 9.3.3.2 NFSY, when required, shall provide a temporary facility for HW storage generated during contracted work activities.
- 9.3.3.3 NFSY, upon request, shall immediately provide access and accompany NAVSTA Mayport N4E during inspections of locked units.
- 9.3.3.4 Daily inspections shall be conducted of these sites and a copy of the daily inspection shall be submitted to NAVSTA Mayport N4E, via the SUPERVISOR Code 140, no later than noon Tuesday for the previous week (see attachment 3D & 3E).
- 9.3.3.5 The HW storage facility shall conform to applicable standards and contract specifications.
- 9.3.4 Management of operations on waterfront and piers
- 9.3.4.1 NFSY shall not store HW, HM, fuel tanks and oil products on the pier. However, a two-day paint supply may be stored in a locked steel gang box equipped with a fire extinguisher and properly labeled "Flammable" and "No Smoking or Open Flame", adjacent to a NFSY temporary pier work facility.
- 9.3.4.2 A secondary containment (drip pan) is required for stationary and mobile equipment (if in the same location for more than four hours). The containment shall be capable of holding 110 percent of the fuels/oils carried on the equipment and labeled "Used Oil".
- 9.3.4.3 Leaking equipment (oil or fuel) shall not have drip pans permanently installed (hanging) under leak source due to potential oil spills from hanging drip pan. All drip pans shall be emptied and cleaned daily.
- 9.3.4.4 Equipment with excessive leaks shall be removed from the piers for repairs.
- 9.3.4.5 Do not place HW, HM, oil, used oil, oily waste containers and stationary equipment containing fuel/oil within 15 feet of a pier edge and/or storm drain unless approved by NAVSTA Mayport N4E.



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- 9.3.4.6 When utilizing portable equipment, (i.e. tanks, tankers, trucks that contain hazardous materials, oil, or oily waste that must be within 15 feet of pier drains shall have drain covers installed during operation of the equipment. Drain covers shall be installed in accordance with manufacturers instructions. Drain covers shall be chemical resistant, flexible PVC or equal to JOMAC or HIPPO Brand. The cost of reusable drain covers and clean-up following each use will be borne by NFSY and will not be reimbursed by the Government.
- 9.3.4.7 Rubber drain covers will be used in addition to and are not considered a substitute for drip pans stenciled "Used Oil". The drip pans are mandated by SOPA Instructions and must be obtained and used.
- 9.3.5 Bulk Storage Tanks on the Waterfront and Piers
- 9.3.5.1 Bulk mobile storage tanks are prohibited unless the tank can be readily removed within four hours notification. FRAC tanks are the only exception to this prohibition.
- 9.3.5.2 Non-mobile bulk storage shall not be placed on the pier without prior approval from NAVSTA Mayport N4E.
- 9.3.5.3 Secondary containment is required for stationary and mobile tanks if in the same location for more than four hours and shall be capable of holding 110 percent of the fuels/oils stored in the tank.
- 9.3.6 Equipment Discharges
- 9.3.6.1 Equipment discharges of any substance, including water, oil, solvents, solids, sludge, gases, etc. onto the pier is prohibited. Emissions and discharges from equipment will be collected and disposed of in accordance with local, state and federal regulations.
- 9.3.7 HW Disposal
- 9.3.7.1 Unless directed by the Supervisor, neither NFSY nor NFSY's Sub-Contractor(s) are authorized to dispose of any waste, hazardous or non-hazardous, into any refuge container located on Naval Station Mayport property nor shall any HW be turned over to ship's force or any Govt agency.
- 9.3.7.2 Remove all HM/HW upon completion of contract. NAVSTA Mayport will dispose of any HM/HW abandoned by the contractor and charge the contractor with all associated costs. Abandoned HW will be characterized as unknown, properly disposed of, and the contractor billed for all associated costs.
- 9.3.7.3 All NFSY HW must be disposed of in a timely manner. This will enable NFSY to maintain its small quantity generator status. The HWC shall accomplish the following for disposal of hazardous waste.
- A. Complete and submit a material request form (attachment 4) and forward to NFSY's Purchasing Department for processing.
 - B. Once the Purchase order has been forwarded, the disposal company will notify NFSY's HWC for pick-up arrangements.



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- C. Complete the waste profile sheet.
- D. Accomplish the requirements of reference 3.5 for notification of HW transporting.
- E. Sign all applicable paperwork at time of pick-up.
- F. File the signed documents and retain for a period of at least three (3) years.

9.3.7.4 NAVSTA Mayport will notify the SUPERVISOR of the improper disposal of NFSY generated HM/HW. NAVSTA Mayport will notify regulatory agencies of improper disposal of HW by NFSY.

9.3.7.5 It is NFSY's intention to utilize only certified licensed transporters for the disposal of hazardous waste. The HWC shall inspect the disposal transport vehicle for road-worthiness (see attachment 12) and ensure all documentation is in accordance with all Local, State and Federal regulations.

- A. The current transporter for NFSY is C-Mac Environmental Group, Inc. EPA # ALD981020894.

9.3.7.6 NFSY utilizes only certified Treatment/Storage/Disposal Facilities (TSD). See attachment 13 for the Certificate of Disposal and attachment 14 for the TSD Certificate of Compliance.

10.0 **EMERGENCY RESPONSE** (see attachment 5)

10.1 All fires, explosions, and spills, regardless of size, are classified as an emergency (see attachment 7 for listing of all fire extinguisher locations)

10.2 The Emergency Coordinator (EC) shall assume command of all response operations until relieved by the Naval Station Fire Department. During an emergency situation the EC shall take the following actions:

- A. Sound the alarm, if not already sounded.
- B. Notify NAVSTA Mayport Fire Department (270-5333), CDO (270-5401) SSJAX Environmental (270-5047 working hours) and SSJAX Duty Officer (270-5275 after working hours) and Environmental (270-6730). See attachment 6 for all emergency phone numbers.
- C. Activate the Spill Contingency & Control Plan Response Team (see attachment 11) and utilize the Emergency Response Flow Chart (attachment 8).
- D. Clear the area to a safe distance and secure the area.
- E. Perform rescue operations of individuals only when the EC's safety is not at risk.
- F. Alert adjacent facilities in the event of possible wind spread of toxic vapors or smoke.
 - 1) Atlantic Marine (West)
 - 2) SERMAC (South)
 - 3) RSG Annex Bldg 1320 (East)
 - 4) Earl Industries (North)

10.3 The EC is responsible for maintaining emergency spill equipment. The emergency spill equipment is located as per attachment 10A and consists of the following.

- A. Fifty-five (55) gallon drum spill container labeled "SALVAGE"

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- B. Absorbent material (pads and granular)
- C. Clean rags
- D. Boots
- E. Coverall and gloves
- F. Scoop shovel
- G. Water barricade
- H. Duct tape
- I. Safety Goggles.

10.4 All NFSY employees shall adhere to the following in the event of an Emergency Response.

- A. Sound the alarm.
- B. Notify the NFSY EC
- C. In the event of a spill, stop the release.
- D. Render first aid assistance
- E. Assist the EC, as directed.

10.5 Emergency Evacuation

10.5.1 In the event of an emergency evacuation the EC will notify NFSY's General Foreman. Each Foreman/Leadman is responsible for directing employees and visitors in their work area(s) to the exit locations (see attachment 10A and 10B). When evacuating always walk, DO NO run. The designated safe area is across Bailey St. on the south side of the building.

- A. Do not delay for any reason
- B. Do not assist in fire suppression
- C. Do not use the PA system. The PA system must remain clear for shop-wide instructions.
- D. Do not lock doors when evacuating the facility

10.5.2 Once the building has been evacuated a head-count will be conducted. At this point, building re-entry will be restricted to trained personnel only.

11. **ON-SITE NFSY SUB-CONTRACTORS:**

11.1 On-site NFSY Sub-Contractors shall be advised of NFSY's Hazard Communication program and its elements. These sub-contractors are responsible for their own training and communication of hazards associated with any substance they may supply.

11.2 NFSY Purchasing Department shall be responsible for providing the "Hazardous Communication Standard Record On-Site Sub-Contractors Form" to the NFSY subcontractor (attachment 9).

11.3 NFSY Project Manager is responsible for reviewing attachment 9 prior to the sub-contractor commencing work.

11.4 Prior to utilizing the installed pier oily waste riser system, all frac tanks, tanker trailers and vacuum trucks will be taken to the staging area in the parking lot across from Foxtrot Pier while awaiting analytical results.



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- 11.5 All HW generated by the sub-contractor shall be disposed of in accordance with all applicable Local, State and Federal Regulations.
- 11.6 To protect the environment, any equipment left on the pier for more than four (4) hours shall have a secondary containment for liquids applied as per reference 3.3 Chapter 10.2 (D).
- 11.7 All equipment on the pier will be removed in a timely manner to preclude the opportunity of an environmental hazard.

**Atlantic Marine, Inc (Mayport Division)
List of hazardous Chemicals
Attachment D**

Product Name

**134 HI SOLVE DEGREASER
14 A MAGNAGLO
26270 Grey (MILE24635BTY2CL2-LSA)
3M SCOTCH GRIP 1357 CONTACT ADHESIVE
998 INTERBOND PAINT
ALCOSOL SOLVENT
AMERCOAT 137 BUFF BASE 137B0842
AMERCOAT 137 CLEAR CONVERTER 137C0910
AMERCOAT 137 DARK GRAY BASE W/CONVERTER 137K0248
AMERCOAT 138HR DARK GRAY F/S 36076 Base LSA w/converter
AMERCOAT 235 BUFF 235B1642 BASE
AMERCOAT 235 CLEAR CONVERTER 235C0910
AMERCOAT 235 OFF WHITE 235B3501 BASE
AMERCOAT 235 OXIDE RED 235B7821 BASE
AMERCOAT 7229C HAZE GRAY F/S 26270
ARGON GAS
ARMAFLEX 520 ADHESIVE
ARMITE ANTI-SEIZE THREAD COUMPOUND
BEL-RAY TERMALINE 2 GREASE
BELZONA 1311 CERAMIC METAL BASE
BELZONA 1321 CERAMIC METAL SOLIDIFIER
BELZONA 1591 BASE & SOLIDIFIER
BELZONA 9411 RELEASE AGENT
BELZONA E METAL BASE
BELZONA SUPER METAL BASE
BIG Z
BLP MOBIL ALCOHOL SOLVENT
BLP MOBIL SPRAY PAINT ORANGE
BONDO KITS
BOSTIK MARINE GRADE 920 URETHANE SEALANT
C 5 A ANTI-SEIZE
Cal Bond ASTM C 474-67
Cal Coat Insulation Cement ASTMC 449 (powder)
CARBOGUARD 888 PART A
CARBOGUARD 888 PART B
CARBOTHANE 133HB PART A
CARBOZINC 11/CARBOZINC 11 FG A
CASTROL FLEET 15W-40
CASTROL SUPER CLEAN DEGREASER
CITRO SHIELD FURNITURE POLISH**

CO2
COP-R-TOX WOOD PRESERVATIVE
COSMOLINE RUST INHIBITOR SPRAY
CP-50A Water Based adhesive
CP-82 Duct Adhesive
CRC 3-36 LUBE & CORROSION INHIBITOR
CRC 3-36 LUBRICATE
CRC BRAKLEEN (NAPA)
CRC QD CONTACT CLEANER
CRC QD CONTACT CLEANER
CRC ULTRALITE 3-36 DRY FILM LUBE
CURE 301D00/301D02 (ES301K/ES301L) B COMPONENT
CX 22 CAULKING
DA TORQUE FLUID II TRANSMISSION FLUID
DECK GRAY PAINT
DENATURED ALCOHOL
DODE1115C-MARINE ENAMEL WHITE
DOW CORNING 55 O RING LUBE
DOW CORNING 732 CLEAR MULTI PURPOSE SEALANT
DOW OVEN CLEANER
DURA PLATE UHS ULTRA HIGH SOLIDS EPOXY PART A GOLD PRIMER
DURA-PLATE UHS EPOXY PART B HARDENER
DURA-PLATE UHS HIGH SOLIDS EPOXY PART A WHITE BASE
DURA-PLATE UHS ULTRA HIGH SOLIDS EPOXY PART B HARDENER-CLEAR
DYKEM RED LAYOUT DX 296
DYKEM REMOVER CLEANER & THINNER
DYKEM STEEL BLUE LAYOUT FLUID
EASY OFF OVEN CLEANER
ENAMEL PAINT
ES301 (K,L,S,SXP) EUROBASIC, A COMPONENT
ESTESOL HAND CLEANER
F-124 WHITE PAINT
F-150 (MIL-P-24441) Part A Type IV
F-150 (MIL-P-24441) Part B Type IV
F-150 (MIL-P-24441/20) Part A Type III
F-150 (MIL-P-24441/29) Primer Green Type IV
F-150 GREEN PAINT
F-151 GRAY PAINT
F-152 WHITE PAINT
F-154 DARK GRAY PAINT
F-156 RED PAINT
FEL-PRO CLOVER COMPOUND ABRASIVE PASTE
FLASHBACK ARRESTER LIQUID
FLEXANE 80 LIQUID CURING AGENT
FLEXANE 80 LIQUID RESIN
FLUID FILM RUST & CORROSION PREVENTIVE

FLUID FILM WIE ROPE GREASE
FORM 151/152/153 TOPCOAT CONV
FORMULA 150 PRIMER CONVERTER
FORMULA 150 PRIMER CONVERTER TYPE IV
FORMULA 150 PRIMER GREEN BASE
FORMULA 150 PRIMER TYPE IV GREEN
FORMULA 151 TOPCOAT TYPE IV
FORMULA 152 TOPCOAT TYPE IV WHITE
FORMULA 152 TOPCOAT WHITE BASE
FORMULA 152/153/154 CONVERTER
FORMULA 156 TOPCOAT TYPE IV CONVERTER
FORMULA 156 TOPCOAT TYPE IV RED
GE RTV 60 SILICONE RUBBER COMPOUND
GE SILICONE SEALANT
GOOF OFF STAIN REMOVER
GTA 220 SOLVENT
GUNK ENGINE DEGREASER
HARDMAN EPOXY
HYDROCHLORIC ACID
INDUSRIAL ENAMEL VOC COMPLYING B54V
INTERBOND 988 CONVERTER
INTERBOND 998 HAZE GRAY
INTERBOND 998 LOW TEMP CONVERTER
INTERBOND 998 TERRA COTTA RED
INTERBOND 998 WHITE
INTERGARD 264 BLACK
INTERGARD 264 LIGHT GRAY
INTERGARD 264 OFF WHITE BASE
INTERGARD 264 RED
INTERGARD 264/INTERSEAL 385 CONVERTER
INTERGARD 264/INTERSEAL 385 LTC CONVERTER
INTERGARD 403 BUFF BASE
INTERGARD 403 CONVERTER
INTERGARD 403 LIGHT GRAY
INTERGARD 403 OFF WHITE
INTERLAC 1 ANTI-STAIN FINISH WHITE
INTERLAC 2 DARK GRAY FS26008
INTERLAC 2 HAZE GRAY
INTERLAC 537 DOD-E-24607 SOFT WHITE
INTERNATIONAL THINNER
INTERSHEILD 556 CONVERTER
INTERSHEILD 556 DARK GRAY UV/LSA BASE
INTERSHIELD 259 CONVERTER
INTERSHIELD 349/469 CONVERTER
INTERSHIELD 469 DARK GRAY UV/LSA BASE
INTERSPEED 640 BLACK

INTERSPEED 640 RED ANTIFOULING
INTERTUF 262 BLACK BASE
INTERTUF 262 LIGHT GRAY
INTERTUF 262 RED BASE
INTERTUF 262/INTERSEAL 670/INTERBOND 201 CONVERTER
KENDAL DEXRON III ATF
KHA 302 PAINT
KHA 303 PAINT
KRYLON FLUORESCENT SPRAY PAINT
LEMON DROP DISINFECTANT
LIQUID CHLORINE
LIQUID NAIL ADHESIVE
LOCKTITE ANTI-SEIZE
LOCTITE 2 NON HARDENING GASKET SEALANT
LOCTITE 242 THREAD LOCKER
LOCTITE 404 INSTANT ADHESIVE
LOCTITE 495 INSTANT ADHESIVE
LOCTITE 515 FLANGE SEALANT
LOCTITE 545 THREAD SEALANT
LOCTITE AVIATION GASKET SEALANT
LOCTITE NICKLE ANTI SEIZE
LPS LUBRICATE
LUBRIKI SILICON GREASE
LUBRIPLATE SUPER LUBE 930A
MARKAL LA-CO SLIC-TITE OASTE W/ TEFLON
MARVEL LUBE OIL
METGRIT
METHYL AMYL KETONE
MIL-DTL-15090D #26307 Light Gray
MIL-P-2441 EPOXY POLYAMIDE COATINGS TYPE IV COMPONENT A
MOBIL 629 GEAR OIL
MOBIL AREO-HFA AVIATION HYDRAULIC FLUID
MOBIL SYNTHETIC LUBE GREASE
MOBILE HD 30
MOPAXOL PAINT/VARNISH THINNER
MO-SPRAY-CO
MOSPRAYCO SPRAY PAINT (VARIOUS)
MS-200 BASE COMPONENT
MS-200 HARDENER COMPONENT
N-5174 FLAT BLACK H/S SILICONE
N-5564 GLOSS RED SILICONE ENAMEL
N-5763 GLOSS BLUE SILICONE ENAMEL
N-5838 GLOSS GREEN SILICONE ENAMEL
N-5839 GLOSS YELLOW SILICONE ENAMEL
N-6722 PURPLE ALAKYD ENAMEL
N-6974 LOW VOC ALUM HI TEMP

N-6975 LSA HAZE GRAY LATEX
NABC DISINFECTANT
NAPA 765-1525 CUTTING & GRINDING OIL
NAPA ANTIFEEZE COOLANT
NAPA BATTERY TERM PROCTER
NAPA BRAKE FLUID
NAPA GEAR OIL SAE 80W-85W-90W
NAPA GLASS CLEANER
NAPA HYDRAULIC JACK OIL
NAPA MAC'S 6401 CARBURATOR CLEANER
NAPA POWER STEERING FLUID
NAPA STARTING FLUID
NAPA TECHNIQUE COLD GALV. SPRAY
NEUTRALIZER
NILES ENAMEL SILICONE ALKYD GREEN
NITRIC ACID
NOVAGUARD SILICON COMPOUND G 697
NOVA-PLATE
NOVA-PLATE UHS ULTRA HIGH SOLIDS EPOXY PART B
NOW INTERIOR/EXTERIOR PAINT
ORTHO MALATHION PLUS
OXYGEN
PB BLASTER
PHILLY BOND BLUE
PR-144013 SEALING COMPOUND
PRE LUBE 19 WIRE ROPE LUBE
PROPANE
PSX
QUALCHEM CORROSION INHIBITOR LIQUID COOLING 53009
RANDO HD 32
RIDGID DARK THREAD CUTTING OIL
ROYAL ROYCO 49
RUBBER CEMENT
RUS-KIL
RUST O LEUM MARKING PAINT
RUST-OLEUM FLOURESCENT PAINT
SANFORD EXPO WHITE BOARD CLEANER
SC-200 BASE CLEANER
SD-20 FOAM CLEANER
SELIG'S LINEBACKER RUST INHIBITOR
SENTINEL DOD-G-23549 SYNTHETIC LUBE
SENTINEL DOD-G-24508 SYNTHETIC LUBE
SENTINEL MIL-G-15019C SYMBOL 6135
SENTINEL MIL-G-18458 PART 19044
SENTINEL MIL-G-18709 GREASE
SENTINEL MIL-L-18486B LUBE WORM GEAR OIL

SENTINEL MIL-PRF-2105 GO 85/140
SENTINEL REDUCTION GEAR OIL
SHEILA SHINE STEEL POLISH
SHELL AREOSHELL GREASE 6
SHELL BEARING GREASE
SHELL FS MERCRON/DEXRON III
SHELL TELLUS PLUS OIL 32
SHELL TELLUS PLUS OIL 46
SIGMA EDGEGUARD BASE
SIGMA EDGEGUARD COATING
SIGMA EDGEGUARD HAZE GRAY HARDENER
SIGMA EDGEGUARD OFF WHITE BASE
SIGMA EDGEGUARD OFF WHITE HARDENER
SIGMA EDGEGUARD PRIMER HARDENER
SIGMA EDGEGUARD PRIMER HARDENER
SIGMA EDGEGUARD WELL DECK GREY HARDNER
SIGMA EDGEUARD PRIMER CREAM BASE
SIGMAGUARD 5411B-Q
SIGMAGUARD BT AQUA GREEN BASE
SIGMAGUARD BT PRIMER AMBER BASE
SIGMAGUARD BT PRIMER HARDENER
SILVER SOLDER CADMIUM COAT
SILVERBRAZE FLUX
SKC-HF SPOT CHECK CLEANER
SKD-S2 SPOT CHECK DEVELOPER
SKL-SP SPOT CHECK PENETRANT
SLICK TIGHT
SPARTAN SD-20 DEGREASER
SPIRAX HEAVY DUTY GEAR OIL 80W-90
SPIRAX HEAVY DUTY GEAR OIL 85W-140
SPRAY PAINT (VARIOUS)
SSE CARPET SPOTTER
STERIPHINE II DISINFECTANT
T-10 HINNER 010T0000
T-10 THINNER
TA-30 Epoxy Mil-A-3316 Type II
TAP MAGIC CUTTING FLUID
TAP MAJIC
TELLUS 68 OIL
TELLUS FLUID HD 68
THINNER 215
TP-D-24607 #27880 Soft White
TRICOOL COOLANT
TT-P 28 HIGH HEAT PAINT
TT-P-645B Zinc Molybdate Yellow Primer
TURTLEWAX GLASS CLEANER

TYPE III F150 COMPONENT B
UHS TOPCOAT AND PRIMER
URETHANE CONVERTER 133
UVEX LENS CLEANING SOLUTION
VALVOLINE 2 CYCLE OIL
VIRGINIA KMP #10 N DEGREASING SOLVENT
WD-40
WELDING ELECTRODES (VARIOUS)
WHITE BOND CORRECTION FLUID
XTRACTION II CARPET CLEANER
ZINC FILLER

ENVIRONMENTAL MANAGEMENT PLAN

ATLANTIC MARINE, INC. - MAYPORT DIVISION

Revision: July 2004

1. SCOPE:

THIS DOCUMENT OUTLINES THE PROCEDURES AND PROTOCOLS THAT **ATLANTIC MARINE, INC. - MAYPORT DIVISION (ATLANTIC)** HAS TAKEN TO MANAGE ITS HAZARDOUS MATERIALS, HAZARDOUS AND NON-HAZARDOUS REGULATED WASTE, AND CHEMICAL INVENTORIES WHILE CONCURRENTLY SAFE GUARDING BOTH EMPLOYEE HEALTH AND THE ENVIRONMENT.

THE PURPOSE OF THIS PLAN IS TO CREATE A SYSTEMATIC AND FUNCTIONAL **ENVIRONMENTAL MANAGEMENT PLAN** FOR THE SAFE HANDLING AND USE OF POTENTIALLY HAZARDOUS MATERIALS AND THE COLLECTION, SEGREGATION, ACCUMULATION, AND DISPOSAL OF REGULATED WASTES GENERATED BY ATLANTIC THROUGH ITS SHIP REPAIR, MAINTENANCE AND AFFILIATED SUPPORT OPERATIONS BEING CONDUCTED AT NAVAL STATION - MAYPORT. THE PLAN ASSIGNS RESPONSIBILITIES AND ESTABLISHES PROCEDURES FOR THE MANAGEMENT OF HAZARDOUS CHEMICAL PRODUCTS AND MATERIALS AND THE WASTES GENERATED BY THEIR USE.

THE REQUIREMENTS AND PROCEDURES PRESCRIBED IN THIS PLAN ARE ONLY APPLICABLE TO CONTRACTS INVOKING REFERENCE E (SUPSHIP JACKSONVILLE LOCAL STANDARD ITEM 099-60JA, FY-04 & FY-05).

2. REFERENCES:

THIS PLAN WILL BE USED TO MAINTAIN COMPLIANCE WITH THE NAVSEA GUIDELINES AND THE FEDERAL HAZARDOUS WASTE AND HAZARDOUS MATERIALS REGULATIONS REFERENCED HEREWITH:

- A. NAVSEA STANDARD ITEMS
- B. 29 CFR 1910, OCCUPATIONAL SAFETY AND HEALTH STANDARDS
- C. 40 CFR, PROTECTION OF ENVIRONMENT
- D. 49 CFR, TRANSPORTATION
- E. SUPSHIP JACKSONVILLE LOCAL STANDARD ITEM 099-60JA, FY-04 & FY-05

3. REQUIREMENTS:

- 3.1. THE CONTRACTOR WILL ACCOMPLISH THE FOLLOWING REQUIREMENTS IN ADDITION TO THE SPECIFIC REQUIREMENTS DESCRIBED IN THE CONTRACT JOB ORDERS ASSOCIATED WITH CONTRACTED WORK BEING DONE AT NAVAL STATION - MAYPORT, ABOARD NAVAL SHIPS OR AT THE CONTRACTORS FACILITY.
- 3.2. BY MEANS OF THIS DOCUMENT, THE CONTRACTOR WILL ACCOMPLISH THE REQUIREMENTS OF 009-09 FOR THE DEVELOPMENT, IMPLEMENTATION, AND MAINTENANCE OF AN **ENVIRONMENTAL MANAGEMENT PLAN**. THIS PLAN WILL ADDRESS CONTROLS AND OPERATIONAL ACTIONS THAT WILL BE EMPLOYED TO ELIMINATE OR MINIMIZE POTENTIALLY ADVERSE ENVIRONMENTAL IMPACTS THAT MAY RESULT FROM THE ACCOMPLISHING OF THE CONTRACTED WORK REQUIREMENTS.
 - 3.2.1. SPILL CONTINGENCY AND CONTROL PLAN
 - 3.2.1.1. THE NAMES AND TELEPHONE NUMBERS OF ATLANTIC EMPLOYEES THAT MAY BE USED TO RESPOND TO SPILLS OF HAZARDOUS MATERIALS, INCLUDING THE 24 HOUR EMERGENCY COORDINATOR AND HIS DESIGNATED ALTERNATES, ARE INCLUDED WITH THIS PROCEDURE IN ATTACHMENT A.
 - 3.2.1.2. UPON DISCOVERY OF AN IMPROPER DISCHARGE THAT REQUIRES REPORTING TO STATE OR FEDERAL REGULATORY AGENCIES, DURING NORMAL WORKING HOURS, THE EMERGENCY

COORDINATOR WILL NOTIFY THE SUPERVISOR ENVIRONMENTAL OFFICE. UPON DISCOVERY OF AN IMPROPER DISCHARGE OUTSIDE NORMAL WORKING HOURS, THE EMERGENCY COORDINATOR WILL NOTIFY THE SUPERVISOR DUTY OFFICER. THESE TELEPHONE NUMBERS CAN BE FOUND ON ATTACHMENT B.

3.2.1.3. THIS ENVIRONMENTAL MANAGEMENT PLAN OUTLINES THE PROCEDURES WHICH WILL BE FOLLOWED BY PERSONNEL TO RESPOND TO HAZARDOUS INCIDENTS WHICH CAN RESULT WHILE HAZARDOUS MATERIALS AND HAZARDOUS WASTES ARE MAINTAINED AS INVENTORY, OR GENERATED, OR TEMPORARILY STORED, PRIOR TO PROPER DISPOSAL. RESPONSES TO HAZARDOUS MATERIALS/WASTES SPILLS WILL BE SUPERVISED BY THE EMERGENCY COORDINATOR OR IN THE CASE OF HIS ABSENCE, A DESIGNATED ALTERNATE. IN THE EVENT OF A SPILL OR IMPROPER DISCHARGE, THE EMERGENCY COORDINATOR WILL CONDUCT AN EVALUATION OF THE CIRCUMSTANCES AND CONDITIONS, INCLUDING:

1. IMMEDIATELY IDENTIFYING THE NATURE OF THE SPILL SOURCE AND EXTENT OF ANY RELEASED MATERIALS;
2. DETERMINING IF THE SPILL IS A REPORTABLE QUANTITY (RQ) AS SPECIFIED IN 40 CFR PART 116-117;
3. ASSESSING OF THE IMMEDIATE THREAT TO HUMAN LIFE AND/OR THE ENVIRONMENT BOTH INSIDE SHOP OR DEPARTMENT BUILDINGS, ON OR OUTSIDE ATLANTIC PROPERTY, OR ABOARD A VESSEL;
4. DETERMINING THE APPROPRIATE ACTION NECESSARY TO MITIGATE SITUATION;
5. DETERMINING IF IT IS NECESSARY TOACTIVATE INTERNAL FACILITY ALARMS OR COMMUNICATION SYSTEMS TO NOTIFY ATLANTIC STAFF AND PERSONNEL;
6. DETERMINING IF OUTSIDE EMERGENCY ASSISTANCE IS NEEDED;
7. DETERMINING IF IMPLEMENTATION OF THE FACILITY EMERGENCY CONTINGENCY PLAN, IS REQUIRED;
8. DETERMINING IF INITIATION OF EMERGENCY EVACUATION PROCEDURES IS REQUIRED;
9. DETERMINING IF TECHNICAL ASSISTANCE, PERSONNEL, EQUIPMENT, OR OUTSIDE RESPONSE ASSISTANCE IS NEEDED.

THIS ENVIRONMENTAL MANAGEMENT PLAN WILL BE IMPLEMENTED UNDER THE FOLLOWING CRITERIA:

SPILLS AND/OR IMPROPER DISCHARGES INCLUDING:

1. A SPILL OF A CHEMICAL WITH A DESIGNATED REPORTABLE QUANTITY (RQ);
2. A SPILL COULD RESULT IN RELEASE OF FLAMMABLE LIQUIDS OR VAPORS, THUS CAUSING A FIRE OR GAS EXPLOSION;
3. A SPILL OR LEAK CAUSES THE RELEASE OF TOXIC GASES, VAPORS OR FUMES;
4. A SPILL OR LEAK PRESENTS A THREAT TO THE GROUNDWATER EVEN THOUGH IT MAY HAVE BEEN CONTAINED AND;

5. A SPILL CANNOT BE CONTAINED ON-SITE AND RESULTS IN OFF-SITE SOIL CONTAMINATION AND/OR SURFACE WATER OR GROUNDWATER CONTAMINATION.

SPILL REPORTING REQUIREMENTS

IN THE EVENT OF A SPILL OR IMPROPER DISCHARGE INVOLVING HAZARDOUS MATERIALS OR HAZARDOUS WASTE, THE INCIDENT MUST BE REPORTED IMMEDIATELY BY THE INDIVIDUAL DISCOVERING THE INCIDENT. THE EMPLOYEE THAT DISCOVERS A SIGNIFICANT SPILL OR IMPROPER DISCHARGE SHOULD IMMEDIATELY LOCATE THE NEAREST ATLANTIC SUPERVISOR THAT HAS A COMPANY TWO-WAY RADIO, SO THAT NOTIFICATION OF THE INCIDENT CAN BE BROADCAST TO ALL OTHER SUPERVISORY PERSONNEL. IN THE EVENT THAT IT WOULD BE MORE EXPEDITIOUS TO MAKE THAT NOTIFICATION OVER THE COMPANY TELEPHONE INTER-COM SYSTEM, THIS WILL BE AN ACCEPTABLE MEANS. SITUATIONS WILL VARY BASED ON THE LOCATION OF THE INCIDENT, WHETHER SHIPBOARD OR AT THE FACILITY PROPERTY. UPON INITIAL NOTIFICATION, ALL EFFORTS MUST BE MADE TO IMMEDIATELY NOTIFY THE PRIMARY EMERGENCY COORDINATOR, OR IN HIS KNOWN ABSENCE, ONE OF HIS DESIGNATED ALTERNATES.

IF THE INCIDENT IS DETERMINED TO BE WITHIN ATLANTIC'S EMERGENCY RESPONSE CAPABILITIES, THE EMERGENCY COORDINATOR WILL CONTACT AND DEPLOY THE NECESSARY PERSONNEL TO ADDRESS THE SITUATION. IF THE INCIDENT IS BEYOND IN-HOUSE CAPABILITIES, THE EMERGENCY COORDINATOR WILL CONTACT AN EXTERNAL EMERGENCY RESPONSE ORGANIZATION FOR ASSISTANCE. ATLANTIC IS CURRENTLY A MEMBER OF THE JACKSONVILLE SPILLAGE CONTROL, INC. OIL SPILL RESPONSE COOPERATIVE ORGANIZATION, AND HAS A MASTER SERVICES AGREEMENT WITH MORAN ENVIRONMENTAL RECOVERY GROUP FOR RESPONDING TO HAZARDOUS MATERIALS/WASTES SPILLS. THE EMERGENCY COORDINATOR WILL ALSO CONTACT THE APPROPRIATE LOCAL, STATE, AND FEDERAL AGENCIES, IF SO REQUIRED. A LIST OF AGENCIES, OTHER ORGANIZATIONS, AND PHONE NUMBERS CAN BE FOUND IN ATTACHMENT B.

ANY SPILL THAT REQUIRES THE MOBILIZATION OF THE JACKSONVILLE SPILLAGE CONTROL, INC. COOPERATIVE ORGANIZATION, WILL BE MANAGED BY THEIR USCG APPROVED SPILL RESPONSE PLAN. THE ATLANTIC EMERGENCY COORDINATOR, AND WHERE APPLICABLE, THE FEDERAL ON SCENE COORDINATOR (FOSC), OR THE STATE ON SCENE COORDINATOR (SOSC) WILL BE RESPONSIBLE FOR AND MAINTAIN OVERSIGHT OF SPILL RESPONSE OPERATIONS.

IF HIS INITIAL ASSESSMENT INDICATES THAT EVACUATION OF LOCAL AREAS MAY BE REQUIRED, THE EMERGENCY COORDINATOR WILL IMMEDIATELY NOTIFY APPROPRIATE LOCAL AUTHORITIES.

THE EMERGENCY COORDINATOR WILL ALSO BE AVAILABLE TO AID LOCAL AUTHORITIES IN DETERMINING WHICH FACILITY AREAS SHOULD BE EVACUATED AND TO WHAT EXTENT EVACUATION IS REQUIRED. BASED ON KNOWLEDGE OF THE TYPE INCIDENT AND THE INHERENT HAZARDOUS PROPERTIES OF THE MATERIAL INVOLVED.

WHEN SPILLS OR RELEASES EXCEED REPORTABLE QUANTITY (RQ) VALUES FOR THE MATERIAL(S) CONCERNED, THE **NATIONAL RESPONSE CENTER WILL BE NOTIFIED USING THEIR 24-HOUR TOLL FREE NUMBER 1-800-424-8802**. THE REPORT TO THE CENTER WILL INCLUDE:

- A. NAME AND PHONE NUMBER OF THE CALLER;
- B. NAME AND ADDRESS OF THE FACILITY;
- C. TIME AND TYPE OF INCIDENT (I.E., RELEASE, FIRE);
- D. NAME AND QUANTITY OF MATERIALS INVOLVED, TYPE OF CONTAINER;
- E. EXTENT OF INJURIES, IF ANY; AND
- F. POSSIBLE HAZARDS TO HUMAN HEALTH OR THE ENVIRONMENT

OUTSIDE OF THE FACILITY.

IF THE SPILL OR IMPROPER DISCHARGE IS CHEMICAL IN NATURE, THE **CHEMTREC** ORGANIZATION, A PUBLIC SERVICE OF THE **CHEMICAL MANUFACTURES ASSOCIATION** CAN BE **NOTIFIED AT 1-800-424-9300** FOR INFORMATION ON APPROPRIATE SPILL RESPONSE PROCEDURES AND SAFEGUARDS. THE CALLER SHOULD GIVE THE FOLLOWING INFORMATION CONCERNING THE SPILLED MATERIAL:

1. NAME OF THE PRODUCT
2. NATURE OF THE INCIDENT
3. NAME OF THE CALLER AND CALL BACK TELEPHONE NUMBER
4. LOCATION OF INCIDENT
5. SHIPPER OR MANUFACTURER
6. QUANTITY SPILLED AND CONTAINER TYPE
7. CARRIERS AND/OR CONSIGNEES NAME
8. LOCATION CONDITIONS, WEATHER, AND OTHER ENVIRONMENTAL CONDITIONS, ETC.

NOTE: CHEMTREC IS DESIGNED TO PROVIDE ONLY:

IMMEDIATE OVER-THE-PHONE ADVICE CONCERNING THE NATURE OF CHEMICAL PRODUCTS AND RECOMMENDED EMERGENCY STEPS IN THE EARLY STAGES OF AN ACCIDENT. ADDITIONAL TECHNICAL INFORMATION AND ADVICE INCLUDING ON-THE-SCENE ASSISTANCE (IF NECESSARY) MAY BE AVAILABLE FROM THE SHIPPER OR MANUFACTURER OF THE CHEMICAL PRODUCT.

WHEN A FIRE IS SUSPECTED OR DETECTED, THE FIRE DEPARTMENT WILL BE IMMEDIATELY NOTIFIED VIA THE 9-1-1 EMERGENCY NUMBER.

SPILL RESPONSE PROCEDURES

THE MOST PROBABLE EMERGENCIES INVOLVING SPILLS OR IMPROPER DISCHARGES OF HAZARDOUS MATERIALS OR WASTES AT THE ATLANTIC FACILITY OR ABOARD NAVAL VESSELS ARE:

1. SPILLS CAUSED BY ACCIDENTS DURING SHIPBOARD MAINTENANCE/REPAIR ACTIVITIES OR ASSOCIATED SUPPORT OPERATIONS;
2. SPILLS AS THE RESULT OF VEHICULAR ACCIDENT (I.E., FORKLIFT) DURING IN-FACILITY MOVEMENT OF HAZARDOUS MATERIAL OR HAZARDOUS WASTE CONTAINERS OR COLLISION WITH CHEMICAL CONTAINERS;
3. SPILLS RESULTING FROM THE MOVEMENT OR REMOVAL OF HAZARDOUS MATERIALS OR HAZARDOUS WASTE FROM ONE CONTAINER TO ANOTHER;
4. SPILLS OCCURRING DURING TRANSFER OF HAZARDOUS WASTE FROM GENERATING DEPARTMENTS TO THE HAZARDOUS WASTE STORAGE AREA;
5. SPILLS CAUSED BY LEAKING DRUMS, BULK STORAGE CONTAINERS, OR TANKS;

6. SPILLS RESULTING FROM BURST PIPES OR LEAKING VALVES (I.E., HYDRAULIC, FUEL, OR OILY WATER LINES); AND/OR
7. SPILLS CAUSED BY ACCIDENTS DURING LOADING OR UNLOADING OPERATIONS AT THE HAZARDOUS WASTE STORAGE AREA OR STOREROOM.

FOR PURPOSES OF DETERMINING AND IMPLEMENTING RESPONSE EFFORTS, ONCE THE EMERGENCY COORDINATOR IS NOTIFIED OF A SPILL, HE WILL AUTOMATICALLY MAKE A HAZARD EVALUATION AND ENVIRONMENTAL ASSESSMENT REGARDING THE DEGREE OF HAZARD POSED BY THE SPILL. THIS ASSESSMENT WILL INCLUDE:

1. THE TYPE OF MATERIAL SPILLED;
2. LOCATION OF THE SPILL;
3. QUANTITY SPILLED OR LIKELY TO SPILL BEFORE CONTAINMENT IS ACHIEVED;
4. WHAT ACTION HAS BEEN TAKEN TO CONTAIN THE SPILL, IF ANY;
5. DIRECTION OF SPILL, WIND ASSOCIATED VAPORS, IF ANY;
6. POTENTIAL FOR INJURY AND THREAT OF FIRE OR EXPLOSION;
7. POTENTIAL FOR ENVIRONMENTAL IMPACT (SOIL, SURFACE WATER OR GROUNDWATER).

BASED ON THIS ASSESSMENT, THE EMERGENCY COORDINATOR WILL INITIATE ONE OR MORE OF THE FOLLOWING ACTIONS:

1. MOBILIZE PERSONNEL TO SPILL SITE AND PERSONALLY SUPERVISE CLEAN UP OPERATIONS;
2. IF NECESSARY, CONTACT THE FIRE DEPARTMENT TO HAVE THEM STAND-BY AT THE SPILL SITE FOR FIRE PROTECTION;
3. IF NECESSARY, NOTIFY AN OUTSIDE PROFESSIONAL HAZARDOUS MATERIAL SPILL RESPONSE CONTRACTOR WITH WHOM ATLANTIC HAS PREVIOUSLY ARRANGED FOR EMERGENCY RESPONSE SERVICES (MORAN ENVIRONMENTAL RECOVERY, INC.);
4. NOTIFY APPROPRIATE LOCAL, STATE, AND/OR FEDERAL ENVIRONMENTAL AGENCIES.

DURING RESPONSE EFFORTS FOR SPILLS AND/OR IMPROPER DISCHARGES, THE EMERGENCY COORDINATOR OR HIS DESIGNATED ALTERNATE WILL TAKE ALL REASONABLE MEASURES TO ASSURE THAT FIRES, EXPLOSIONS AND CONTINUED RELEASES DO NOT OCCUR, REOCCUR OR SPREAD TO OTHER AREAS OF THE ATLANTIC FACILITY WHERE HAZARDOUS MATERIALS OR HAZARDOUS WASTE ARE STORED OR IN USE. IN THE EVENT OF FIRE, ALL ADJACENT OPERATIONS WILL BE SHUT DOWN AND THE EMERGENCY COORDINATOR WILL COORDINATE THE FIRE FIGHTING OPERATIONS.

WHEN THERE IS A SPILL OR IMPROPER DISCHARGE OF HAZARDOUS CHEMICALS OR WASTE, THE EMERGENCY COORDINATOR WILL ASSESS THE SITUATION, AND IF REQUIRED, IMMEDIATELY SHUT DOWN OPERATIONS IN THE AFFECTED AREA. THE EMERGENCY COORDINATOR WILL TAKE THE NECESSARY STEPS TO DETERMINE THE SOURCE OF THE SPILL AND COORDINATE THE REPAIR OF ANY CONTAINER LEAKS, RUPTURES IN PIPES, OR DAMAGE TO VALVES OR THEIR EQUIPMENT.

DURING THE RESPONSE EFFORTS, THE EMERGENCY COORDINATOR MUST ALSO MONITOR FOR LEAKS, PRESSURE BUILDUP, GAS/VAPOR GENERATION, OR RUPTURES IN VALVES, PIPES, OR OTHER EQUIPMENT, WHEREVER THIS IS APPROPRIATE. THE EMERGENCY COORDINATOR IS RESPONSIBLE FOR DIRECTING THE RECOVERY AND CONTAINMENT OF RELEASED CHEMICALS AND/OR WASTE.

UPON DISCOVERY OF A SIGNIFICANT SPILL OR IMPROPER DISCHARGE OF TOXIC OR FLAMMABLE MATERIAL, THE IMMEDIATE SPILL SITE WILL BE EVACUATED OF NON-ESSENTIAL PERSONNEL, WHEN POSSIBLE, FOR AT LEAST 25 TO 50 FEET IN ALL DIRECTIONS. RELEASES OF ACIDS AND ALKALINE MATERIAL MAY REQUIRE THE SPILL SITE BE EVACUATED EVEN FURTHER. SAFETY BARRICADES AND OTHER APPROPRIATE WARNING DEVICES WILL BE SET UP TO FORM A LINE OF DEMARCATION TO RESTRICT ACCESS TO THE SPILL AREA AND MINIMIZE THE POTENTIAL OF CONTAMINANTS BEING TRANSPORTED FROM THE INCIDENT SITE TO NON-EFFECTED AREAS. ONLY THOSE INDIVIDUALS INVOLVED IN RESPONSE, SPILL RECOVERY, AND CLEAN-UP OPERATIONS WILL BE ALLOWED INTO THE IMMEDIATE VICINITY OF THE SPILL.

IF THE EMERGENCY COORDINATOR DETERMINES THAT REMEDIATION IS WITHIN THE CAPABILITY OF ATLANTIC PERSONNEL, DESIGNATED EMPLOYEES WILL BE DIRECTED TO BRING ALL NECESSARY EQUIPMENT FOR CONTAINMENT AND CLEAN-UP TO THE SPILL SITE (I.E., PERSONAL PROTECTIVE EQUIPMENT, ABSORBENT MATERIAL, SHOVELS, BROOMS AND RECOVERY DRUMS OR CONTAINERS, ETC.). IN RESPONDING TO AN ACTUAL OR IMMINENT SPILL, ONE OR MORE OF THE FOLLOWING PROCEDURES WILL BE INITIATED BY THE PERSON DISCOVERING THE SPILL OR THE EMERGENCY COORDINATOR:

1. STOP OPERATIONS AND EVACUATE IMMEDIATE AND DOWNWIND EFFECTED AREAS;
2. SOUND EMERGENCY ALARM VOCALLY AND/OR VIA TELECOMMUNICATIONS, NOTIFY ADMINISTRATION AND SECURITY;
3. ASSESS INHERENT CHEMICAL, PHYSICAL, AND HEALTH HAZARDS OF THE SPILLED MATERIAL USING MATERIAL SAFETY DATA SHEETS (MSDS), PRODUCT KNOWLEDGE OR TECHNICAL REFERENCES;
4. CONTAIN SPILLAGE OR CONTROL ITS OFF-SITE MIGRATION BY:
 - A. BLOCKING STORM WATER DRAINS;
 - B. SURROUNDING SPILL WITH ABSORBENT CLAY OR ABSORBENT TUBES;
 - C. CONSTRUCTING EARTHEN DIKES DOWN GRADIENT OF SPILL OR DISCHARGE AREA; AND
 - D. ABSORB SPILLED MATERIALS WITH ABSORBENT CLAY, PADS OR PILLOWS.
5. CONCURRENTLY REMOVE ALL POTENTIAL SOURCES OF IGNITION OR INCOMPATIBLE MATERIALS FROM IMMEDIATE SPILL SITE.
6. WHEN POSSIBLE UPRIGHT OR ROLL TURNED CONTAINERS TO STOP SPILLAGE. SECURE UP GRADIENT VALVES MANUALLY OR REMOTELY, REMOVE ANY REMAINING MATERIALS FROM LEAKING CONTAINER.
7. OVERPACK LEAKING CONTAINERS IN SUITABLE CONTAINERS.
8. SEGREGATE ANY RECOVERED SPILLAGE OR SPILL CLEAN-UP

DEBRIS FROM INCOMPATIBLE MATERIALS AND ENSURE THAT RECOVERY CONTAINERS ARE COMPATIBLE WITH THE MATERIALS THEY ARE EXPECTED TO CONTAIN.

THE EMERGENCY COORDINATOR WILL SUPERVISE ALL CLEAN-UP OPERATIONS AND ASSURE THAT LEAKING CONTAINERS, RECOVERED SPILLED MATERIAL, OR CONTAMINATED ABSORBENT AND OTHER DEBRIS IS PLACED INTO RECOVERY DRUMS, OR SUITABLE COMPATIBLE CONTAINERS. ALL RECOVERED SPILLED MATERIALS OR SPILL CLEAN-UP DEBRIS MUST BE ANALYZED TO DETERMINE ITS REGULATORY STATUS PRIOR TO DISPOSAL.

BASED ON HIS ASSESSMENT OF THE SITUATION, THE EMERGENCY COORDINATOR WILL DETERMINE THE DEGREE OF DECONTAMINATION REQUIRED FOR BOTH THE SPILL/DISCHARGE AREA AND FOR RESPONSE PERSONNEL.

EVACUATION PROCEDURES

IN THE EVENT THAT A SPILL OR IMPROPER DISCHARGE RESULT IN THE NEED FOR THE EVACUATION OF PERSONNEL, THE EMERGENCY COORDINATOR, IS RESPONSIBLE FOR DETERMINING THE NEED FOR EVACUATION OF INDIVIDUAL BUILDINGS, FLOORS, OR INNER OFFICES. SHOULD EVACUATION BE NECESSARY, EFFECTED AREAS, FACILITY BUILDINGS, AND/OR INNER OFFICES WILL BE NOTIFIED BY FIRE ALARMS, TELEPHONE COMMUNICATION, 2-WAY RADIO AND/OR WORD OF MOUTH.

ALL EFFECTED OPERATIONS WILL BE TERMINATED PRIOR TO BEGINNING EVACUATION PROCEDURES. OPERATIONS SHOULD BE SECURED IN A MANNER AS TO NOT RESULT IN ANY ADDITIONAL HAZARDOUS CONDITIONS BEING CREATED. IN EVACUATING FACILITY BUILDINGS, PERSONNEL WILL SELECT THE CLOSEST EXIT TO THEIR AREA OF OPERATIONS, NOT AFFECTED BY THE EMERGENCY. WHEN IT IS NECESSARY TO EVACUATE PERSONNEL FROM A SHIP, EMPLOYEES SHOULD ASSEMBLE IN AN AREA DIRECTLY OUT FROM THE ACCESS BROW, AT A SAFE DISTANCE FROM THE HAZARDOUS CONDITION, AND IN A LOCATION THAT DOES NOT OBSTRUCT EMERGENCY RESPONSE EFFORTS. WHEN IT IS NECESSARY TO EVACUATE PERSONNEL FROM THE ADMINISTRATION BUILDING OR A SHOP/DEPARTMENT AREA, EMPLOYEES SHOULD MAKE THEIR WAY TO PARKING LOT AREA DIRECTLY ACROSS THE STREET FROM THE MAIN ADMINISTRATION BUILDING. THIS AREA WILL SERVE AS A PRIMARY ASSEMBLY POINT AND ALLOW THE EMERGENCY COORDINATOR TO ASSESS THE COMPLETENESS OF EVACUATION AND THAT ALL PERSONNEL CAN BE ACCOUNTED FOR.

IT SHOULD BE NOTED THAT EVACUATION ROUTES AND ASSEMBLY POINTS SELECTED WILL DEPEND ON WIND DIRECTION, CONDITION OF ACCESS ROUTES, MAGNITUDE OF POTENTIAL HAZARDS, AND RELATED CONSIDERATIONS BASED ON INFORMATION AVAILABLE TO THE EMERGENCY COORDINATOR. EVACUATION ROUTES ARE POSTED AT VARIOUS POINTS THROUGHOUT THE FACILITY. RE-ENTRY TO FACILITY BUILDINGS OR AFFECTED WORK AREAS, WILL BE ALLOWED ONLY WHEN THE EMERGENCY COORDINATOR AND/OR APPLICABLE RESPONSE ORGANIZATION OFFICIAL GIVES APPROVAL.

EMERGENCY RESPONSE MATERIAL & EQUIPMENT

EMERGENCY RESPONSE EQUIPMENT AND SPILL CLEAN-UP MATERIALS REQUIRED FOR ADDRESSING FACILITY EMERGENCIES ARE STORED AT STRATEGIC LOCATIONS IN THOSE AREAS WHERE HAZARDOUS MATERIALS OR WASTES ARE USED, GENERATED, OR STORED. SEE ATTACHMENTS C & D. THE MAIN SPILL KIT AND SPILL RESPONSE EQUIPMENT ARE STORED IN A PORTABLE SPILL TRAILER WHICH IS NORMALLY LOCATED IN THE NORTH CENTRAL AREA OF THE FACILITY COMPOUND.

THE SPILL CONTROL AND PERSONAL SAFETY EQUIPMENT LOCATED AT EACH SPILL RESPONSE STATION VARY ACCORDING TO THE TYPES OF OPERATIONS TAKING PLACE WITHIN THE IMMEDIATE VICINITY, KINDS OF CHEMICALS IN USE OR STORAGE, AND THEIR SPECIFIC PHYSICAL AND CHEMICAL PROPERTIES.

THE EMERGENCY COORDINATORS IS RESPONSIBLE FOR ASSURING THAT ALL SPILL CONTROL AND CLEAN-UP EQUIPMENT, LISTED IN THIS PLAN IS ACCOUNTED FOR AT ALL TIMES. RESPONSE EQUIPMENT MUST BE CLEANED OR DECONTAMINATED PRIOR TO ITS BEING RETURNED TO THE SPILL RESPONSE STATION. ANY EXPENDED MATERIALS, BROKEN OR LOST EQUIPMENT MUST BE REPLACED IMMEDIATELY FOLLOWING AN EMERGENCY.

DECONTAMINATION

THE SPILL RESPONSE OPERATION DECONTAMINATION SITE WILL BE ESTABLISHED IN AN AREA SUCH THAT THE SPREAD OF THE SPILLED MATERIAL AND ASSOCIATED WASTE TO THE FACILITY PROPERTY AND/OR PERSONNEL IS MINIMIZED. ONLY THE PERSONS SPECIFICALLY INSTRUCTED IN DECONTAMINATION PRACTICES SHOULD PARTICIPATE IN THE DECONTAMINATION PROCESS.

ALL SPILL RESPONSE PERSONNEL WILL DECONTAMINATE AND/OR DISPOSE OF TOOLS, EQUIPMENT, MATERIALS, AND PERSONAL PROTECTIVE EQUIPMENT UPON COMPLETION OF THE CLEAN-UP OPERATION OR UPON LEAVING THE SPILL AREA, SUCH THAT THE SPREAD OF CONTAMINATION IS MINIMIZED. EXPENDABLE PROTECTIVE CLOTHING SHOULD BE DISCARDED ALONG WITH THE USED DISPOSABLE CLEAN-UP MATERIALS. NOTE: IF PERSONAL CLOTHING SHOULD BECOME CONTAMINATED WITH A HAZARDOUS MATERIAL/WASTE, IT SHOULD BE REMOVED AS SOON AS PRACTICABLY POSSIBLE. NON-EXPENDABLE TOOLS AND EQUIPMENT ARE TO BE WIPED CLEAN WITH SORBENT PADS OR CLOTH RAGS. IF SOLVENT PRODUCTS ARE REQUIRED FOR DECONTAMINATION PURPOSES, THE SPENT PRODUCT AND CLEAN-UP MATERIALS SHOULD BE SEGREGATED FROM THE OTHER WASTE, UNTIL SUCH TIME THAT HAZARD CLASSIFICATION CAN BE DETERMINED.

IF AN EMPLOYEE HAS A SIGNIFICANT QUANTITY OF HAZARDOUS MATERIAL/WASTE COME IN CONTACT WITH THEIR SKIN, THEY SHOULD IMMEDIATELY BEGIN DECONTAMINATION PROCEDURES. COPIOUS AMOUNTS OF SOAP AND WATER SHOULD BE USED ON ANY AREA WHERE HAZARDOUS MATERIAL/WASTE HAS CONTACTED THE SKIN. SHOWER AND CHANGE-ROOM FACILITIES ARE PROVIDED ON-SITE, FOR USE, IN REGARD TO PERSONAL DECONTAMINATION. THE EMERGENCY COORDINATOR WILL DETERMINE IF SPECIALIZED PRODUCTS ARE NECESSARY FOR ADEQUATE DECOMTAMINATION.

DISPOSAL PROCEDURES

AFTER THE RESPONSE EFFORTS HAVE CONCLUDED, THE EMERGENCY COORDINATOR MUST PROVIDE FOR TREATING, STORING, AND/OR DISPOSING OF ANY RECOVERED MATERIAL AND/OR WASTE, CONTAMINATED SOIL OR CLEAN-UP DEBRIS, WASTE WATER, OR ANY OTHER MATERIAL/DEBRIS RESULTING FROM A SPILL, IMPROPER DISCHARGE, OR ASSOCIATED FIRE WITHIN THE FACILITY'S CONTIGUOUS PROPERTY.

THE EMERGENCY COORDINATOR WILL BE RESPONSIBLE FOR DETERMINING WHETHER ANY WASTE OR RECOVERED MATERIALS ARE REQUIRED TO BE MANAGED AS HAZARDOUS WASTE. WHEN REQUIRED, VERIFICATION WILL BE MADE THROUGH CHEMICAL ANALYSIS VIA AN INDEPENDENT LABORATORY. RECOVERED WASTES/MATERIALS, DETERMINED TO BE A HAZARDOUS WASTE MUST BE MANAGED IN ACCORDANCE WITH REQUIREMENTS OF 40 CFR PART 262, AND THE SPECIFICALLY REFERENCED SECTIONS OF PART 265.

DISPOSAL OF RECOVERED PRODUCT, OILY WATER, AND/OR PRODUCT CONTAMINATED CLEAN-UP MATERIALS WILL BE ACCOMPLISHED UNDER THE DIRECTION OF ATLANTIC AND IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL REGULATORY REQUIREMENTS. IF NECESSARY, A HAZARDOUS WASTE DETERMINATION ANALYSIS WILL BE PERFORMED PRIOR TO DETERMINING WHAT TYPE OF DISPOSAL REQUIREMENTS APPLY.

IF POSSIBLE, ATLANTIC WILL INITIATE EFFORTS TO RE-USE OR RECYCLE ANY OF THE SPILLED OR DISCHARGED MATERIAL/PRODUCT THAT CAN BE SUCCESSFULLY RECOVERED. ANY OIL THAT CAN BE RECOVERED WILL BE TAKEN UNDER MANIFEST TO A F.D.E.P. REGISTERED WASTE OIL FACILITY, FOR POSSIBLE RECLAMATION. IF NECESSARY, A HAZARDOUS WASTE DETERMINATION

ANALYSIS WILL BE PERFORMED PRIOR TO SHIPMENT. IN CASES WHERE FIELD TEST CAN NOT ADEQUATELY MAKE THIS DETERMINATION, A F.D.E.P. AUTHORIZED LABORATORY WILL BE UTILIZED.

ANY OILY WATER GENERATED AS A RESULT OF SPILL CLEAN-UP OPERATIONS WILL BE SHIPPED TO A F.D.E.P. REGISTERED OILY WATER RECLAMATION FACILITY.

ALL HAZARDOUS WASTE BEING TRANSPORTED FROM THE FACILITY WILL BE TRANSPORTED BY A STATE OF FLORIDA REGISTERED HAZARDOUS WASTE TRANSPORTER.

POST INCIDENT PROCEDURES

IT SHOULD BE NOTED THAT DURING THE COURSE OF AN INCIDENT, A RECORD OF EVENTS MUST BE KEPT BY THE EMERGENCY COORDINATOR. THIS OPERATING LOG MUST CONTAIN THE TIME, DATE, AND DETAILS OF ANY INCIDENT IN WHICH THIS ENVIRONMENTAL MANAGEMENT PLAN RESPONSE PROCEDURE WAS IMPLEMENTED.

THE EMERGENCY COORDINATOR MUST, WITHIN 15 DAYS FOLLOWING IMPLEMENTATION OF THE ENVIRONMENTAL MANAGEMENT PLAN, COMPILE A WRITTEN REPORT ON THE INCIDENT. THE REPORT MUST INCLUDE:

1. NAME, ADDRESS, AND TELEPHONE NUMBER OF THE OWNER/ OPERATOR OF THE FACILITY;
2. NAME, ADDRESS AND TELEPHONE NUMBER OF THE FACILITY;
3. DATE, TIME, TYPE OF INCIDENT (I.E., SPILL, FIRE/EXPLOSION);
4. NAME AND QUANTITY OF MATERIAL(S) INVOLVED;
5. EXTENT OF PERSONNEL INJURIES, IF ANY;
6. AN ASSESSMENT OF ACTUAL OR POTENTIAL HAZARDS TO HUMAN HEALTH OR THE ENVIRONMENT AND;
7. ESTIMATED QUANTITY AND DISPOSITION OF RECOVERED MATERIAL RESULTING FROM THE INCIDENT.

3.2.1.4. PERSONAL PROTECTIVE EQUIPMENT

RESPONSE TO SPILL OR IMPROPER DISCHARGE OF A HAZARDOUS MATERIAL OR HAZARDOUS WASTE MAY REQUIRE THE USE OF VARIOUS TYPES OF PERSONAL PROTECTIVE EQUIPMENT. PERSONAL PROTECTIVE EQUIPMENT AVAILABLE ON-SITE FOR USE IN SPILL RESPONSE AND CLEANUP IS LOCATED IN THE PORTABLE SPILL KIT, AND CAN BE RELOCATED TO A SPILL SITE IF NECESSARY. THE SPILL KIT IS NORMALLY STAGED AT THE NORTH CENTRAL AREA OF THE FACILITY COMPOUND. OTHER SPILL RESPONSE PERSONAL PROTECTIVE EQUIPMENT IS ALSO KEPT IN THE WAREHOUSE FOR DAILY ISSUE FOR LESS HAZARDOUS SPILL RESPONSES. SMALLER QUANTITIES OF SPILL RESPONSE P.P.E. ARE KEPT IN THE CRAFT SHOPS AND IN THE SPILL TRAILERS THAT ACCOMPANY OIL TRANSFER OPERATIONS.

THE APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT WILL BE WORN BY ALL PERSONS PARTICIPATING IN THE SPILL RESPONSE OPERATIONS WHILE AT THE FACILITY OR ABOARD SHIP. THE ONLY EXEMPTED AREAS FROM THIS REQUIREMENT, ARE THE OFFICE AREAS. ATLANTIC WILL MAKE AVAILABLE THE EQUIPMENT LISTED BELOW TO ITS EMPLOYEES FOR THE DURATION OF THE CLEAN-UP OPERATION. OUTSIDE RESPONSE CONTRACTOR PERSONNEL, REGULATORY AGENCY REPRESENTATIVES, AND AUTHORIZED MEDIA VISITORS MUST FURNISH AND BE

PROPERLY ATTIRED IN THE DESIGNATED PERSONAL PROTECTIVE EQUIPMENT PRIOR TO THEIR ENTRY TO THE FACILITY.

HARD HATS SHALL BE IN CONFORMANCE WITH U.S. SAFETY CODE FOR HEAD, EYE AND RESPIRATORY (U.S.C.H.E.R.) PROTECTION, Z2.1. HARD HATS WITHOUT DIELECTRIC STRENGTH SHALL NOT BE USED WHERE THERE IS A POTENTIAL FOR CONTACT WITH ELECTRICAL CONDUCTORS OR DEVICES.

STEEL-TOED SAFETY SHOES OR WORK BOOTS SHALL BE WORN AT ALL TIMES THROUGHOUT THE FACILITY. DUE TO THE NATURE OF THE MARITIME INDUSTRY, IT IS RECOMMENDED THAT AN OVER THE ANKLE WORK BOOT BE UTILIZED TO PROVIDE FOR ENHANCED FOOT AND ANKLE SUPPORT. WHERE EXCESS WEAR HAS EXPOSED THE METAL TOE-CAP OF THE SAFETY FOOTWEAR, EMPLOYEES WHO HAVE THE POTENTIAL FOR BEING IN CONTACT WITH ENERGIZED ELECTRICAL COMPONENTS, SHALL PROVIDE FOR AN INSULATED TOE-CAP COVERING.

APPROVED U.S.C.H.E.R. Z.87 SAFETY GLASSES WITH INTEGRAL SIDE SHIELDS SHALL BE WORN AT ALL TIMES WHILE IN THE FACILITY WORK AREAS. CORRECTIVE LENSES MUST BE MADE OF AN APPROVED SAFETY IMPACT RESISTANT-SHATTER PROOF MATERIAL. CORRECTIVE LENSES ARE ALSO REQUIRED TO HAVE SIDE SHIELDS. FACE SHIELDS SHALL BE WORN BY ALL PERSONNEL PERFORMING GRINDING AND/OR WELDING AND FOR ANY WORK THAT MAY INVOLVE THE POSSIBLE SPLASHING OF AN ACIDIC, CORROSIVE, OR SIMILARLY HAZARDOUS MATERIAL.

APPROVED SAFETY BODY HARNESES SHALL BE WORN BY ALL PERSONNEL WORKING IN HIGH REACHES, MAN LIFTS OR APPROVED CRANE BASKETS. ALL FALL RESTRAINT SYSTEMS MUST INCORPORATE THE USE OF A SAFETY LIFE-LINE LANYARD THAT HAS BEEN SECURED TO AN ADEQUATELY SUBSTANTIAL AND FIXED STRUCTURE, WITH A MINIMUM OF LINE SLACK. PRIOR TO EACH USE OF THE FALL RESTRAINT SYSTEM, ALL COMPONENTS MUST BE THOROUGHLY INSPECTED FOR CUTS, DRY ROT, CHEMICAL DETERIORATION, BURNS, OR OTHER DEFECTS THAT MAY AFFECT THEIR STRENGTH AND/OR WORKING PERFORMANCE. ANY COMPONENT FOUND TO BE DEFECTIVE, SHALL BE IMMEDIATELY RETURNED TO THE TOOL ROOM AND TAKEN OUT OF SERVICE.

PERSONAL FLOTATION DEVICES SHALL BE WORN BY ALL PERSONNEL WORKING ON OR OVER WATER. ALL PERSONAL FLOTATION DEVICES (PFD) MUST BE OF THE UNITED STATES COAST GUARD (USCG) APPROVED TYPE INCLUDING: TYPE I PFD, TYPE II PFD, TYPE III PFD OR TYPE V PFD, OR THEIR EQUIVALENT, PURSUANT TO 46 CFR 160 (USCG LIFESAVING EQUIPMENT SPECIFICATIONS) AND/OR MODELS 3 OR 52, PURSUANT TO 46 CFR 160.002/ 160.005 (USCG LIFE PRESERVERS); 33 CFR 175.15 (USCG TABLE FOR PERSONAL FLOTATION DEVICES). FIRE RESISTANT PFDs ARE REQUIRED FOR ANY PERSONNEL ENGAGED IN HOTWORK OPERATIONS (I.E. WELDING, BURNING, GRINDING, ETC.), WHILE WORKING ON OR OVER WATER.

IN ADDITIONAL TO THE BASIC SAFETY PERSONAL PROTECTIVE EQUIPMENT, RESPONSE AND CLEAN-UP OPERATIONS, ESPECIALLY THOSE INVOLVING HAZARDOUS MATERIALS OR WASTES MAY REQUIRE SPECIALIZED PERSONAL PROTECTIVE EQUIPMENT. DEPENDING ON THE MATERIAL/WASTE BEING CLEANED UP, THE FOLLOWING SUPPLEMENTAL P.P.E. MAY BE REQUIRED:

1. RESPIRATOR (WITH H.E.P.A., ORGANIC VAPOR, OR ACID VAPOR CARTRIDGE)
2. TYVEK OR CHEMICAL RESISTANT COVERALLS
3. RUBBER OR CHEMICAL RESISTANT BOOTS
4. CLOTH, LEATHER, RUBBER OR CHEMICAL RESISTANT GLOVES
5. CHEMICAL RESISTANT SPLASH APRONS
6. SUPPLIED AIR OR S.C.B.A. RESPIRATORS
7. LEVEL A FULLY ENCAPSULATING CHEMICAL PROTECTIVE SUIT

- 3.2.2. DURING THE COURSE OF CONDUCTING ITS SHIP REPAIR AND ASSOCIATED OPERATIONS ABOARD NAVAL VESSELS AND AT ITS FACILITY SITE, ATLANTIC WILL GENERATE HAZARDOUS WASTE.

3.2.2.1. HAZARDOUS WASTE

ATLANTIC WILL DETERMINE WHETHER THE WASTES THAT ARE GENERATED AS A RESULT OF ITS OPERATIONS ARE CONSIDERED TO MEET THE DEFINITION OF "HAZARDOUS WASTE" IN ACCORDANCE WITH ENVIRONMENTAL PROTECTION AGENCY (EPA) REGULATION AS DEFINED IN 40 CFR - PROTECTION OF THE ENVIRONMENT, AND STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) REGULATION F.A.C. 62

- 3.2.2.2. ATLANTIC IS RESPONSIBLE FOR DETERMINING AND PROPERLY IDENTIFYING THE WASTE CLASSIFICATION OF EACH WASTE STREAM THAT IS GENERATED AS A RESULT OF ITS OPERATIONS, INCLUDING THE USE OF LABORATORY ANALYSIS IF NECESSARY. WASTE DETERMINED TO MEET THE DEFINITION OF HAZARDOUS WASTE WILL BE SO IDENTIFIED USING THE PROPER SHIPPING NAME IN ACCORDANCE WITH THE U.S. DEPARTMENT OF TRANSPORTATION (DOT) REQUIREMENT PRESCRIBED IN 49 CFR - TRANSPORTATION. HAZARDOUS WASTE BEING TRANSPORTED OFF-SITE WILL BE LISTED BY ITS PROPER SHIPPING NAME ON A UNIFORM HAZARDOUS WASTE MANIFEST - EPA FORM 8700-22. COPIES OF THE SHIPPING MANIFESTS AND LABORATORY ANALYSES WILL BE MADE AVAILABLE FOR REVIEW BY THE SUPSHIP SUPERVISOR AT THE TIME OF SHIPMENT.

WASTE IDENTIFICATION

REGULATIONS REQUIRE THAT THE HAZARDOUS COMPOSITION OF ALL WASTES BE VERIFIED ON AN ANNUAL BASIS, OR WHENEVER THERE IS A CHANGE IN THE WASTESTREAM OR THE PROCESS FROM WHICH THE WASTE IS GENERATED. THE HAZARDOUS WASTE CONTROL COORDINATOR WILL BE RESPONSIBLE FOR DETERMINING THE EXTENT OF SAMPLING AND CHEMICAL ANALYSIS REQUIRED TO COMPLY WITH THIS REGULATORY REQUIREMENTS. VARIOUS INFORMATION SOURCES WILL BE USED BY ATLANTIC TO PROPERLY CHARACTERIZE ITS WASTE STREAMS INCLUDING MATERIAL SAFETY DATA SHEETS (MSDS) AND SUPPLEMENTAL INFORMATION PROVIDED BY THE CHEMICAL.

WASTE STREAMS MUST BE REANALYZED WHENEVER THERE IS A CHANGE IN RAW MATERIALS OR A PROCESS THAT ALTERS THE CHARACTERISTICS OF THE WASTE. ADDITIONALLY, NEW CHARACTERIZATION MAY BE REQUIRED IF THE EPA OR FDEP ADDS NEW HAZARDOUS WASTES TO THE EXISTING LIST. IF THE HAZARDOUS WASTE CONTROL COORDINATOR CANNOT, WITH REASONABLE CERTAINTY, DETERMINE WHETHER A WASTE IS HAZARDOUS OR MEETS THE DEFINITION OF A NEWLY LISTED HAZARDOUS WASTE, THE WASTE WILL UNDERGO LABORATORY ANALYSIS TO DETERMINE IF IT MEETS THE DEFINITION OF HAZARDOUS WASTE AS DESCRIBED IN 40 CFR 261.

CHEMICAL MATERIALS OR THOSE WHICH HAVE BEEN IDENTIFIED AS BEING "OUT OF SPEC" OR OUT OF DATE AND ARE IN UNOPENED CONTAINERS, DO NOT REQUIRE ANALYSIS IF THE CHARACTERISTIC OF THESE MATERIALS CAN BE DETERMINED FROM THE LABELS ON THE CONTAINERS AND FROM PUBLISHED DATA (MSDS). PARTIALLY USED MATERIALS NEED ONLY BE ANALYZED TO THE EXTENT OF CONFIRMING THAT THE MATERIAL IN THE CONTAINER IS THAT REPRESENTED BY THE CONTAINER LABEL AND/OR MARKINGS.

DUE TO THE NATURE OF ATLANTIC'S INDUSTRIAL/MAINTENANCE OPERATIONS, IT IS NOT LIKELY THAT UNIDENTIFIED WASTESTREAMS WILL BE GENERATED UNDER NORMAL OPERATIONS. MATERIALS MAY BECOME UNIDENTIFIABLE DUE TO LOSS OF THE ORIGINAL CONTAINERS OR LOSS OF IDENTIFYING MARKINGS. IT MAY BE NECESSARY TO DETERMINE WHETHER THE RESIDUES FROM AN EMPTY CONTAINER ARE HAZARDOUS. WHEN DEALING WITH UNKNOWN MATERIALS OR SUBSTANCES, USE EXTREME CAUTION; **ASSUME THAT ALL UNKNOWN WASTES ARE POTENTIALLY HAZARDOUS UNTIL THEY ARE PROPERLY IDENTIFIED.**

PROCEDURES TO BE FOLLOWED WHEN WORKING WITH UNKNOWN WASTES:

1. RECORD ALL MARKS AND LABELS ON THE DRUM OR CONTAINER WHICH MIGHT SERVE IN IDENTIFICATION OF ITS CONTENTS (I.E., STOCK NUMBERS, PRODUCT CODE NUMBERS, CHEMICAL AND/OR PRODUCT NAME, LOT NUMBERS, AND CONTRACT NUMBERS).

2. IF THE PRODUCT NAME IS PRESENT ON THE CONTAINER, REFER TO THE REFERENCE LIBRARY. IF ONLY THE CHEMICAL NAME IS AVAILABLE, REFER TO CHEMICAL DATA OR REFERENCE PUBLICATIONS (IE., "THE NIOSH GUIDE TO CHEMICAL HAZARDS", AND "THE AMERICAN TRUCKING ASSOCIATIONS' - HANDLING HAZARDOUS MATERIALS"). **BOTH OF THESE, ALONG WITH VARIOUS OTHER CHEMICAL IDENTIFICATION AND HANDLING INFORMATION, INCLUDING INTERNET SEARCH CAPABILITIES, ARE AVAILABLE IN THE ENVIRONMENTAL/SAFETY OFFICE.**

3. IF THE PRODUCT OR CHEMICAL IS IDENTIFIED, COMPARE THE DATA PROVIDED BY REFERENCE TO THE FOLLOWING QUESTIONS (A YES ANSWER TO ANY ONE QUESTION MEANS THE MATERIAL IS A HAZARDOUS WASTE).
 - A. IS THE FLASH POINT < 140° F (60 ° C)?
 - B. IS THE pH < 2.0 OR IS THE pH >12.5?
 - C. IS THE MATERIAL AN OXIDIZER ?
 - D. DOES THE MATERIAL REACT VIOLENTLY WITH WATER OR OTHER MATERIALS?
 - E. DOES THE MATERIAL CONTAIN HEAVY METALS SUCH AS ARSENIC, BARIUM, CADMIUM, CHROMIUM, SILVER, LEAD, MERCURY OR SELENIUM?
 - F. DOES THE MATERIAL CONTAIN ANY OF THE CHEMICALS LISTED IN 40 CFR PART 261.31?
 - G. DOES THE MATERIAL IN ITS PURE FORM, CONTAIN ANY OF THE CHEMICALS LISTED IN 40 CFR PART 261.31 OR 261.33 ?

4. WHEN A MATERIAL, SUBSTANCE, OR DRUM RESIDUE, CANNOT BE MATCHED WITH ITS CONTAINER MARKINGS, IT IS NECESSARY TO ANALYZE IT THROUGH A LABORATORY TO DETERMINE ITS HAZARDOUS CHARACTERISTICS. THE LABORATORY INITIALLY SHOULD BE ASKED TO ANALYZE FOR CHARACTERISTIC IGNITABILITY, CORROSITIVITY, REACTIVITY AND EP TOXIC (METALS). IF THE MATERIAL FAILS ANY ONE OR MORE OF THESE TESTS FURTHER ANALYSIS WILL BE REQUIRED TO SPECIFICALLY IDENTIFY THE MATERIAL OR SUBSTANCE IN QUESTION. IN IDENTIFYING THE MATERIAL, THE LABORATORY WILL MOST OFTEN USE SEVERAL TECHNIQUES (IE., GAS CHROMATOGRAPHY/ MASS SPECTROMETRY - GC/MS OR HIGH PRESSURE LIQUID CHROMATOGRAPHY - HPLC).

ALL LABORATORY ANALYSES MUST BE CARRIED OUT USING EPA OR OTHER APPROVED PROTOCOLS AND METHODS. ANALYTICAL PROCEDURES WHICH MUST BE FOLLOWED ARE NOT LIMITED TO THE METHODS DESCRIBED IN EPA PUBLICATION SW-846, "TEST METHODS FOR EVALUATING SOLID WASTE" OR THE DEPARTMENT OF TRANSPORTATION'S METHODS REFERENCED IN 49 CFR PART 173. ANALYSES MUST BE CONDUCTED BY A CERTIFIED LABORATORY ANALYST. ANALYTICAL METHODS FOR SPECIFIC CHEMICAL WASTES ARE REFERENCED IN 40 CFR PART 261.

SAMPLING METHODS

THE METHODS AND EQUIPMENT USED IN SAMPLING WASTE MATERIALS VARY WITH THE FORM AND CONSISTENCY OF THE WASTE MATERIALS TO BE SAMPLED. WHILE A VARIETY OF WASTESTREAMS ARE GENERATED AT ATLANTIC, CARE MUST BE TAKEN TO ENSURE A REPRESENTATIVE SAMPLE IS OBTAINED WHENEVER A WASTESTREAM IS SAMPLED.

IN SAMPLING, THE SAMPLER MUST CONSIDER NOT ONLY THE UNIFORMITY OF THE WASTE, BUT THE VARIATIONS IN MANUFACTURING, PRODUCTION, OR LABORATORY PROCESSES WHICH MIGHT CAUSE CONSTITUENTS IN THE WASTE TO VARY. ALSO, THE SAMPLE CONTAINER MUST BE COMPATIBLE WITH THE WASTE TO BE SAMPLED. MULTIPLE CONTAINERS OF THE SAME WASTE WILL BE COMPOSITELY SAMPLED IN SUCH A WAY THAT A UNIFORM AND REPRESENTATIVE SAMPLE OF THE TOTAL WASTESTREAM IS OBTAINED. SAMPLES FROM CONTAINERS OF DIFFERENT MATERIAL WILL BE INDIVIDUALLY SAMPLED USING AN APPROPRIATE AND APPROVED SAMPLING DEVICE. THE DEVICE SELECTED SHOULD BE CAPABLE OF COLLECTING A LIQUID SAMPLE THROUGHOUT THE DEPTH OF THE CONTAINER TO ENSURE THAT A REPRESENTATIVE SAMPLE IS COLLECTED. WHERE SUCH A DEVICES IS NOT SUITABLE, DUE TO THE PHYSICAL CONDITION OF THE WASTE, A COMPOSITE SAMPLE OF THE CONTAINER WILL BE TAKEN BY COLLECTING A GRAB SAMPLE FROM THE TOP, MIDDLE AND BOTTOM OF THE CONTAINER.

SHOULD IT BE NECESSARY TO SAMPLE CONTAMINATED SOILS RESULTING FROM A SPILL, A COMPOSITE OF SEVERAL SAMPLES WILL BE COLLECTED FROM DIFFERENT AREAS, SAMPLING POINTS, AND/OR LEVELS. A SPILL COLLECTION DEVICE COMPATABLE WITH THE SPILLED MATERIAL WILL BE USED TO SAMPLE MATERIALS FROM AREA CONTAMINATED BY THE SPILL OR FROM THE SPILL SOURCE, TO DETERMINE THE HAZARDOUS CHARACTERISTICS OF THE SPILL.

WHEN SAMPLING OF MATERIALS IS REQUIRED BY THE STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP), ENVIRONMENTAL PROTECTION AGENCY (EPA), CITY OF JACKSONVILLE REGULATORY AND ENVIRONMENTAL SERVICES DEPARTMENT (RESO); OR OTHER REGULATORY AGENCY, A STRICT CHAIN OF CUSTODY WILL BE MAINTAINED BY ALL PERSONNEL THAT COLLECT, HANDLE, TRANSPORT, OR ANALYZE THE SAMPLE. EACH PERSON THAT HANDLES THE SAMPLE WILL, UPON RECEIPT, SIGN AND DATE (INCLUDING TIME RECEIVED) THE CHAIN OF CUSTODY FORM.

IN MOST CASES, THE SAMPLING OF SUSPECT MATERIALS OR CHEMICAL WASTE WILL BE CONDUCTED BY OR UNDER THE DIRECTION OF AN INDIVIDUAL FAMILIAR WITH PROPER SAMPLING PROTOCOLS TO ENSURE THAT A TRUE REPRESENTATIVE SAMPLE IS COLLECTED AND APPROPRIATE SAMPLING AND ANALYTICAL METHODS ARE USED TO CHARACTERIZE THE MATERIAL OF CONCERN.

- 3.2.2.3. PERMA-FIX OF FLORIDA, INC., FDEP FACILITY ID NO: FLD980711071, WILL BE UTILIZED FOR THE TRANSPORTATION OF HAZARDOUS WASTE OFF-SITE. CERTIFICATION THAT THE PROPOSED TRANSPORTER MEETS THE FEDERALLY DELEGATED STATE REQUIREMENTS FOR HAZARDOUS WASTE TRANSPORTATION IS PROVIDED AS ATTACHMENT E.
- 3.2.2.4. THE FACILITY DESIGNATED HAZARDOUS WASTE STORAGE AREA IS LOCATED IN A STAND-ALONE STRUCTURE IN THE NORTH CENTRAL AREA OF THE ATLANTIC PROPERTY COMPOUND. THE BUILDING CONSISTS OF A STEEL STRUCTURE WITH CORRUGATED SHEETMETAL SIDING. IT'S DIMENSIONS ARE 35' WIDE BY 25' DEEP BY 12' HIGH. IT HAS A 3' HIGH LOUVERED BOTTOM AND 2' HIGH OPENING AT THE TOP TO PROVIDE AMBIENT VENTILATION FOR THE STRUCTURE, AND PREVENT THE ACCUMULATION OF FLAMMABLE VAPORS. IT HAS TWO 8' BY 8' DOOR WITH PLASTIC SLAT CURTAIN DOORS. SECONDARY CONTAINMENT IS PROVIDED BY A CONCRETE FLOOR AND CURB SYSTEM WHICH HAS BEEN SEALED WITH AN IMPERVIOUS COATING.

GENERAL PUBLIC SECURITY IS PROVIDED BY A CHAIN-LINK FENCE AROUND THE ENTIRE ATLANTIC COMPOUND AREA. UNAUTHORIZED EMPLOYEE ACCESS IS RESTRICTED BY SIGNAGE AND EMPLOYEE AWARENESS TRAINING.

THE BUILDING IS POSTED WITH “DANGER - UNAUTHORIZED PERSONNEL KEEP OUT”, “HAZARDOUS WASTE STORAGE AREA”, AND “NO SMOKING” SIGNS ON ALL FOUR SIDES.

CONTAINER MANAGEMENT IS IN ACCORDANCE WITH SECTION 6 OF THE “ADDITIONAL REQUIREMENTS - NAVAL STATION MAYPORT ENVIRONMENTAL REGULATIONS” OF THIS PROCEDURE.

CONTAINER LABELING IS IN ACCORDANCE WITH SECTION 7 OF THE ADDITIONAL REQUIREMENTS - NAVAL STATION MAYPORT ENVIRONMENTAL REGULATIONS” OF THIS PROCEDURE.

ALL HAZARDOUS WASTE BEING GENERATED WILL BE PROFILED TO IDENTIFY ITS CHARACTERISTIC HAZARDS. ALL WASTE WILL BE COMPATIBLE WITH THE CONTAINERS IN WHICH IT IS PLACED. INCOMPATIBLE WASTES WILL NOT BE PLACED IN THE SAME CONTAINER. INCOMPATIBLE WASTES WILL NOT BE STORED IN THE SAME SECONDARY CONTAINMENT STRUCTURE.

THE CONTENTS OF THE SPILL RESPONSE TRAILER AND SPILL KIT ARE PROVIDED AS ATTACHMENTS C & D OF THIS PROCEDURE.

AN EMERGENCY 15 GALLON GRAVITY FLUSH EYE-WASH STATION IS LOCATED AROUND THE SOUTHWEST CORNER OF THE FACILITY DESIGNATED HAZARDOUS WASTE STORAGE BUILDING ADJACENT TO THE SATELLITE ACCUMULATION STORAGE AREA.

A 20 LB. DRY CHEMICAL FIRE EXTINGUISHER IS LOCATED JUST INSIDE THE LEFT HAND DOOR IN THE SOUTHEAST CORNER OF THE HAZARDOUS WASTE STORAGE BUILDING.

MANAGEMENT OF THE FACILITY DESIGNATED HAZARDOUS WASTE STORAGE AREA IS THE RESPONSIBILITY OF THE ATLANTIC PAINT DEPARTMENT FOREMAN. ONLY THOSE INDIVIDUALS WHO HAVE BEEN TRAINED IN ACCORDANCE WITH 40 CFR 265.16 ARE AUTHORIZED TO PARTICIPATE IN AND/OR MANAGE HAZARDOUS WASTE ACTIVITIES.

- 3.2.2.5. THE FACILITY DESIGNATED HAZARDOUS WASTE STORAGE AREA IS INSPECTED ON A DAILY BASIS ON EACH OF THE FIVE NORMAL WORKING WEEKDAYS. THE FORM DESCRIBING THE INSPECTION CRITERIA USED IN DOCUMENTING THE DAILY INSPECTIONS IS PROVIDED AS ATTACHMENT F.
- 3.2.2.6. PROVIDED AS ATTACHMENT G IS THE HAZARDOUS WASTE TRANSPORTER VEHICLE INSPECTION CHECKLIST UTILIZED TO ENSURE THAT THE VEHICLE BEING USED TO TRANSPORT ATLANTIC’S HAZARDOUS WASTE OFF-SITE IS IN COMPLIANCE WITH THE APPLICABLE D.O.T. REQUIREMENTS PRESCRIBED IN 49 CFR - TRANSPORTATION.
- 3.2.2.7 PERMA-FIX OF FLORIDA, INC., FDEP FACILITY ID NO: FLD980711071, WILL BE UTILIZED FOR THE TREATMENT, STORAGE, AND DISPOSAL OF ATLANTIC’S HAZARDOUS WASTE. CERTIFICATION THAT THE PROPOSED HAZARDOUS WASTE T.S.D. FACILITY MEETS THE FEDERALLY DELEGATED STATE REQUIREMENTS FOR THE TREATMENT, STORAGE, AND DISPOSAL HAZARDOUS WASTE IS PROVIDED AS ATTACHMENT H.
- 3.2.2.8. PROVIDED AS ATTACHMENT I IS A LIST DOCUMENTING ALL ATLANTIC PERSONNEL RESPONSIBLE FOR THE MANAGEMENT OF HAZARDOUS WASTE THAT ARE CURRENTLY TRAINED IN ACCORDANCE WITH THE APPLICABLE REQUIREMENTS OF 29 CFR - OCCUPATIONAL SAFETY AND HEALTH STANDARDS, AND 40 CFR - PROTECTION OF THE ENVIRONMENT.
- 3.2.2.9. UNLESS OTHERWISE DIRECTED BY THE SUPSHIP SUPERVISOR OR BY THE CONTRACT, HAZARDOUS WASTE WILL NOT BE TURNED OVER TO SHIP’S FORCE OR ANY OTHER US NAVY AFFILIATES.
- 3.2.3. IT IS PRESUMED THAT ALL ATLANTIC CRAFT PERSONNEL WILL AT SOME POINT DURING THE COURSE OF THEIR EMPLOYMENT EITHER USE OR POTENTIALLY COME IN CONTACT WITH ONE OR MORE HAZARDOUS MATERIALS.

- 3.2.3.1. SINCE ATLANTIC CRAFT PERSONNEL MAY POTENTIALLY COME IN CONTACT WITH HAZARDOUS MATERIALS, AT THE TIME OF INITIAL EMPLOYMENT, ALL ATLANTIC CRAFT PERSONNEL ARE TRAINED IN ACCORDANCE WITH OCCUPATIONAL SAFETY AND HEALTH STANDARD - 29 CFR 1910.1200 - HAZARD COMMUNICATION. A LIST OF THOSE EMPLOYEES THAT HAVE RECEIVED THIS TRAINING CAN BE MADE AVAILABLE TO THE SUPSHIP SUPERVISOR UPON REQUEST.
- 3.2.3.2. UNLESS OTHERWISE DIRECTED AND/OR ALLOWED BY THE SUPSHIP SUPERVISOR OR BY THE CONTRACT, HAZARDOUS MATERIALS WILL NOT BE STORED ABOARD NAVAL VESSELS.
- 3.2.3.3. ALL CONTAINERS THAT CONTAIN A HAZARDOUS MATERIAL WILL HAVE A VISUAL MEANS IDENTIFYING THEM AS ATLANTIC PROPERTY. THIS PLAN IS ONLY APPLICABLE TO CONTRACTS INVOKING REFERENCE E (SUPSHIP JACKSONVILLE LOCAL STANDARD ITEM 099-60JA, FY-04).
- 3.2.4. DURING THE COURSE OF CONDUCTING ITS SHIP REPAIR AND ASSOCIATED OPERATIONS ABOARD NAVAL VESSELS AND AT ITS FACILITY SITE, ATLANTIC WILL GENERATE VARIOUS NON-HAZARDOUS SOLID WASTE.
 - 3.2.4.1. SOLID WASTE GENERATED BY ATLANTIC WILL BE COLLECTED IN APPROPRIATE WASTE CONTAINERS. ATLANTIC WILL BE RESPONSIBLE FOR THE MANAGEMENT OF ALL SOLID WASTE CONTAINERS AND RECEPTACLES IT UTILIZES DURING THE COURSE OF ITS CONTRACT EXECUTION. ATLANTIC GENERATED WASTE WILL NOT BE PLACED IN GOVERNMENT WASTE RECEPTACLES. APPROVAL FOR THE PLACEMENT OF ATLANTIC SOLID WASTE RECEPTACLES WILL BE COORDINATED WITH THE NAVAL STATION AND SUPSHIP SUPERVISOR. ATLANTIC WILL BE RESPONSIBLE FOR ALL WASTE DEPOSITED IN SOLID WASTE RECEPTACLES IT HAS STAGED ON THE BASIN PIERS.
- 3.2.5. ATLANTIC WILL REVIEW THIS ENVIRONMENTAL MANAGEMENT PLAN PERIODICALLY TO ENSURE IT MAINTAINS COMPLIANCE WITH THE APPLICABLE REGULATORY REQUIREMENTS. REVISIONS TO THE PLAN WILL BE MADE WHEN PERSONNEL, TELEPHONE NUMBERS, PLAN PROCESSES, REGULATORY OR CONTRACTUAL REQUIREMENTS, AND/OR OTHER CIRCUMSTANCES SO DICTATE. PRIOR TO START OF CONTRACTED WORK, ATLANTIC WILL REVIEW ITS CURRENT SUPSHIP SUPERVISOR APPROVED ENVIRONMENTAL MANAGEMENT PLAN TO ENSURE THAT IT IS IN COMPLIANCE WITH ALL APPLICABLE REGULATORY AND CONTRACT REQUIREMENTS. IF REVISIONS ARE FOUND TO BE NEEDED, THE APPROPRIATE REVISIONS WILL BE MADE, AND THE REVISED ENVIRONMENTAL MANAGEMENT PLAN WILL BE SUBMITTED ALONG WITH A COVER LETTER, TO THE SUPSHIP SUPERVISOR PRIOR TO START OF WORK.

ADDITIONAL REQUIREMENTS

NAVAL STATION MAYPORT ENVIRONMENTAL REGULATIONS

1. General Requirements for Hazardous Waste (HW) Management:

a. In the management of Hazardous Waste Atlantic will:

- (1) Accept/retain liability, including all associated fines and penalties, for improper management or disposal of HW.
- (2) Immediately upon request, provide NAVSTA Mayport N4E a key to conduct inspections of locked HW and HM storage units.
- (3) Conduct daily inspections of their HW storage sites and provide NAVSTA Mayport N4E a copy of the daily inspection report. Immediately correct any deficiencies identified in inspections.
- (4) Obtain from the SUPERVISOR, Code 140 approval for HW storage, including location and type of storage (i.e. Satellite or 60-Day Accumulation).

(5) Reimburse all associated cost for all Atlantic generated HM not removed from the site upon completion of contract that NAVSTA Mayport disposes of as HM abandoned by a contractor. Reimbursement for disposal cost is contingent on NAVSTA Mayport notifying Atlantic prior to arranging for disposal and Atlantic agreeing that it is responsible for the disposal costs.

(6) Reimburse all associated cost for all Atlantic generated HW not removed from the site upon completion of contract that NAVSTA Mayport disposes of as HW abandoned by a contractor. Reimbursement for disposal cost is contingent on NAVSTA Mayport notifying Atlantic prior to arranging for disposal and Atlantic agreeing that it is responsible for the disposal costs.

(7) Be aware that NAVSTA Mayport will notify the SUPERVISOR of the improper disposal of contractor generated HM/HW. NAVSTA Mayport may notify regulatory agencies of improper disposal of HW by the contractor.

(8) Immediately correct any deficiencies identified during NAVSTA Mayport or SUPERVISOR inspections.

(9) Provide NAVSTA Mayport N4E access to HW records.

(10) Manage used petroleum-based products such as hydraulic fluids, lubricating oils, diesel fuel marine, JP-5, and fuels with flash points above 100 degrees Fahrenheit as Used Oil.

2. General Requirements for Contractor-Generated Hazardous Waste (HW) Management:

a. In the management of Hazardous Waste Atlantic:

(1) Obtained an EPA/FDEP Generator Identification Number (ID) FLO170023790, as required by law.

(2) Will ensure all HW manifests bear only the EPA/FDEP ID number listed in item (1) of this section

(3) Will ensure disposal of HW in accordance with federal, state, and local regulations.

3. General Requirements for Co-Generated Hazardous Waste (HW) Management:

a. In the management of Hazardous Waste Atlantic will:

(1) Notify the SUPERVISOR before generating co-generated HW. As prescribed in NAVSTA Mayport N4E agreement, manifests for Co-generated HW shall bear both Atlantic's and NAVSTA Mayport's EPA/FDEP ID number. The manifest will list Atlantic's ID number in the "Generator Number" box and NAVSTA Mayport's ID number in the "Special Handling Instructions and Additional Information" block pursuant to applicable law.

(2) Provide access to all documents related to Co-generated HW for review by NAVSTA Mayport N4E. and receive concurrence from NAVSTA Mayport for the HW characterization before transportation off station.

(3) Track the manifests and immediately notify the SUPERVISOR, Code 140, of any discrepancies.

4. General Requirements for Hazardous Waste (HW) Management in 60-Day Accumulation Sites. In the management of Hazardous Waste Management in 60-Day Accumulation Sites, Atlantic:

a. Obtained the approval of NAVSTA Mayport N4E for the location of its 60-day Accumulation Site and maintains compliance with applicable federal, state, local, and Navy regulations.

b. Will control access to its HW storage area at all times, by the use of fencing and keeping the HW located within a limited access building.

c. Has secondary containment in the form of concrete curbing and/or spill pallets is utilized for all HW containers in storage

- d. Does not store incompatible wastes within the same secondary containment structures, thereby ensuring that incompatible materials do not come into contact with each other in the event of a spill or leak.
- e. Has a fire extinguisher, an eyewash station, and an internal communication device (telephone or two-way radio) capable of summoning emergency assistance (fire department) located near the HW storage area.
- f. Has posted weather-resistant signs stating "NO SMOKING WITHIN 50 FEET" on all exterior sides of the HW storage building. Each sign is clearly visible from a distance of 50 feet.
- g. Has posted weather resistant signs reading "DANGER - UNAUTHORIZED PERSONNEL KEEP OUT" and "HAZARDOUS WASTE STORAGE AREA" shall be posted on each entrance. Each sign shall be clearly visible from a distance of 25 feet.
- h. Has a portable spill containment kits located near its HW storage area, which:
 - (1) Is readily accessible and clearly marked as a "HW/HM SPILL KIT".
 - 2) Contains the materials and equipment necessary to contain the specific type of HW stored in the HW storage area. A list of the contents of the spill response material and equipment is provided as Attachments C and D.
 - (3) Contains the materials and equipment necessary to contain flammable liquids that are stored in the HW storage area. A list of the contents of the spill response material and equipment is provided as Attachments C and D.
 - (4) Contains containers and labels for spilled material.
- i. Will maintain sufficient aisle space around all HW containers to allow the unobstructed movement of personnel for fire protection, spill control, and access to decontamination equipment.
- j. Will position all containers so that the HW labels are clearly visible for inspection.
- k. Will label all containers using indelible ink; and include the accumulation date in accordance with the requirements of section 5 - General Requirements for Hazardous Waste (HW) Management in Satellite Accumulation Point (SAP) Sites, item c., and 40 CFR - Protection of the Environment.
- l. Will not store HW for more than 90 days.
- m. Will complete and document daily inspections on the inspection sheet provided by NAVSTA N4E. The inspection sheets are designed to document a week of daily inspections. If the activity is secure and not working on a particular day, such as a weekend or holiday, indicate that on the form. Submit the completed inspection sheets to NAVSTA Mayport N4E for the previous week not later than the close of business the following Tuesday.

5. General Requirements for Hazardous Waste (HW) Management in Satellite Accumulation Point (SAP) Sites. In the management of Hazardous Waste in Satellite Accumulation Point (SAP) Sites, Atlantic:

- a. Will ensure that all satellite Accumulation Points (SAPs) comply with applicable federal, state, local and Navy regulations and will get approval by NAVSTA Mayport N4E in siting SAPs.
- b. Will locate each SAP at or near the work area and in a location under its control.
- c. Will accumulate less than 55 gallons of wastes in each SAP. The 55-gallon limit includes the total combined amount of all waste being accumulated in a single SAP location. Once the 55-gallon threshold is reached, the accumulation start date will be placed on the HW label and the container will be transferred to the 60-Day Accumulation Site or manifested and transported to a HW treatment and storage facility, within three (3) calendar days. Note: The 55 gallon limit is not applicable to non-HW or Used Oil.
- d. Will complete daily inspections, document on the inspection sheet and submit to NAVSTA Mayport N4E not later than the close of business the follow Tuesday.

6. General Requirements for Hazardous Waste Container Management. In the management of Hazardous Waste Containers, Atlantic:

- a. Will ensure that all containers are in good condition (minor surface rust or dents are allowed), sealed when in storage, non-leaking, and compatible with the material being stored. HW containers will be closed at all times except when waste is being added, removed, or sampled.
- b. Will ensure that all containers properly sealed during transport, to prevent spills or leaks. All lids will be closed and tightened.
- c. Drums with rings will have the rings properly positioned with the bolt down and tightened. CAUTION: USE NON-SPARKING TOOLS ON CONTAINERS OF FLAMMABLE MATERIALS.
- d. Will immediately transfer material from any container that does not properly seal.
- e. Will ensure that containers have no evidence of spills on the outside of the container; including no dry or wet paint on the exterior sides of the containers.

7. General Requirements for Hazardous Waste Labeling. In the labeling of Hazardous Waste Containers, Atlantic will:

- a. Complete all labels with indelible ink.
- b. Label each container of HW with a yellow HW label, including the EPA I.D. #, name and address of generator, the proper shipping name of the waste, the EPA Waste Number(s), the accumulation start date when required, the manifest number prior to transport off-site.
- c. Label non-HW containers with a completely filled out Non-HW label, including labels for used oil, antifreeze, grease, oily rags, etc. prior to transport off-site.

8. General Requirements for the Management of Hazardous Waste Storage Trailers or CONEX Boxes. In the management of HW Storage Trailers or CONEX Boxes, Atlantic will:

- a. Obtain prior approval from NAVSTA Mayport N4E for the location Of HW Storage Trailers or CONEX Boxes.
- b. Provide a temporary facility for HW storage generated during contracted work activities.
- c. Provide immediate access and accompany NAVSTA Mayport N4E during inspections of locked units, upon request
- d. Conduct daily inspections of their sites and provide NAVSTA Mayport N4E, via the SUPERVISOR, Code 140, a copy of the daily inspection report not later than noon Tuesday for the previous week. Excluded from this requirement are CONEX boxes provided to Ship's Force as part of the contract requirements.
- e. Ensure that the HW Storage Trailers or CONEX Boxes conform to applicable standards and contract specifications.

9. General Requirements for the Management of Operations on Waterfront and Piers. In the management of Operations on the Waterfront and Piers, Atlantic will:

- a. Not store HW, HM, fuel tanks and oil products on the pier. However, a two-day paint supply may be stored adjacent to a contractor's temporary pier work facility.
- b. Store a maximum of a two days supply of paint, provided it is stored in a locked, steel "gang box" equipped with a fire extinguisher and labeled with: "FLAMMABLE" and "NO SMOKING OR OPEN FLAME" signs.

- c. Ensure that secondary containment (drip pan) is in place for stationary and mobile equipment (if in the same location for more than four hours). The containment will be capable of providing temporary containment of 110 percent of the equipment's fuel and oil storage capacity.
- d. Ensure that leaking equipment (oil or fuel) does not have drip pans that are permanently installed (hanging) under leak source.
- e. Empty and clean all drip pans daily.
- f. Remove equipment with excessive leaks from the piers for repairs.
- g. Not place HW, HM, oil, Used Oil, oily waste containers and stationary equipment containing fuel/oil within 15 feet of a pier edge and/or storm drains unless approved by NAVSTA Mayport N4E.
- i. Ensure that portable equipment, i.e. tanks, tankers, trucks that contain hazardous materials, oil, or oily waste that have been placed within 15 feet of pier drains, have drain covers installed during operation of the equipment. The drain covers will be installed in accordance with manufacturers instructions. The drain cover will be chemical resistant, flexible PVC equal to JOMAC or HIPPO Brand. The cost of the reusable drain covers and clean-up following each use will be borne by Atlantic and will not be reimbursed by the Government.
- j. Use rubber drain covers in addition to drip pans and will not consider the covers to be a substitute for drip pans. The drip pans as mandated by SOPA Instructions, must be stenciled "Used Oil"

10. General Requirements for the Management of Bulk Storage Tanks on the Waterfront and Piers. In the Management of Bulk Storage Tanks on the Waterfront and Piers, Atlantic will:

- a. Not place bulk mobile storage tanks on the waterfront and piers unless the tank can be readily removed within four hours of notification. FRAC tanks are the only exception to this prohibition.
- b. Not place non-mobile bulk storage on pier without written approval from NAVSTA Mayport N4E and/or SUPSHIP.
- c. Utilize secondary containment for stationary and mobile tanks if in the same location for more than four hours, which is capable of holding 110 percent of the fuels/oils stored in the tank. Excluded from this requirement are FRAC tanks and Vac Trucks.

11. General Requirements for the Management of Equipment Discharges. In the Management of Equipment Discharge, Atlantic will:

- a. Ensure that emissions and discharges from equipment will be collected and disposed of in accordance with local, state, and federal regulations, understanding that equipment discharges of any substance including water, oil, solvents, solids, sludge, gases, etc. onto the pier is prohibited.

EMERGENCY COORDINATORS

THE PERSONS LISTED BELOW HAVE BEEN AUTHORIZED BY ATLANTIC TO COORDINATE EMERGENCY RESPONSE ACTIVITIES AND TO COMMIT THE RESOURCES REQUIRED TO CARRY OUT THIS PLAN. THEY ARE FAMILIAR WITH THE CONTINGENCY PLAN, FACILITY OPERATIONS AND ACTIVITIES, CHARACTERISTICS OF HAZARDOUS MATERIALS AND HAZARDOUS WASTES, AND THE ATLANTIC FACILITY LAYOUT.

IN THE EVENT OF AN EMERGENCY, THE PRIMARY EMERGENCY COORDINATOR OR HIS ALTERNATE WILL BE IMMEDIATELY NOTIFIED BY THE PERSON DISCOVERING THE INCIDENT OR THEIR IMMEDIATE SUPERVISOR. THE PRIMARY COORDINATOR WILL BE ON-SITE OR ON CALL AT ALL TIMES. HOWEVER, SHOULD HE NOT BE AVAILABLE, ONE OF THE OTHER AUTHORIZED PERSONS ON THE LIST WILL BE NOTIFIED.

1. EMERGENCY COORDINATOR

ALAN CURTIS - PAINT FORMAN

TELEPHONE: OFFICE: (904) 251-2650
HOME: (904) 757-0301
MOBILE: (904) 307-5298

ADDRESS: OFFICE: 1936 BAILY AVE MAYPORT NAVAL STATION
HOME: 14875 CAPE DRIVE E., JACKSONVILLE, FL 32226

IF NOT AVAILABLE, NOTIFY THE FOLLOWING ALTERNATE COORDINATORS, IN THE ORDER GIVEN.

2. ROBERT BIRTALAN- DIVISION MANAGER

TELEPHONE: OFFICE: (904) 251-1621
HOME: (904) 744-2874
MOBILE: (904) 307-5327

ADDRESS: OFFICE: 1936 BAILY AVE MAYPORT NAVAL STATION
HOME: 11191 SCHOONER CT., JACKSONVILLE, FL 32225

3. WAYNE S. HOLT - ENVIRONMENTAL & SAFETY DIRECTOR

TELEPHONE: OFFICE: (904) 251-1582
HOME: (904) 928-9072
MOBILE: (904) 307-5342

ADDRESS: OFFICE: 8500 HECKSCHER DRIVE, JACKSONVILLE, FL 32226
HOME: 1736-3 FOREST LAKE CIR. W., JACKSONVILLE, FL 32225

Attachment A

**ATLANTIC MARINE INCORPORATED
EQUIPMENT LIST**

EQUIPMENT	AMOUNT	LOCATION
HARD BOOM	600 FEET	COMPOUND
ADSORBENT BOOM	1000 FEET	WAREHOUSE
ADSORBENT PADS	25 BUNDLES	WAREHOUSE
EMERGENCY RESPONSE SPILL KIT (<i>SEE NEXT PAGE</i>)		SPILL TRAILER
PUMPS		
AIR-OPERATED DIAPHRAGM PUMPS "WHIZ-BANGS"	16 Each	PUMP SHOP
SKIMMER SKIM-PAC (Model 2200) WEIR SKIMMER	1 Each	SPILL TRAILER
Workboat 14FT	1 Each	COMPOUND

NOTE: All boom material shall be inspected at least quarterly

All Ships at this Facility are hard boomæd fwd and aft of the pumping operation. In the event of a spill, our spill response trailer filled with sorbent boom and sorbent pads can be on-site within 30 minutes.

Attachment C

ATLANTIC MARINE

EMERGENCY RESPONSE SPILL KIT

1. pH TESTER & pH TEST STRIPS
2. (1) 50 LB. BAG OF SODA ASH
3. (1) ROLL OF DANGER TAPE
4. (1) MOP HEAD, HANDLE BUCKET & STRAINER
5. (2) BAGS ABSORBENT PADS
6. (4) SETS OF RUBBER GLOVES
7. (1) BRONZE DRUM OPENER
8. (1) BRONZE CRESCENT WRENCH
9. (1) BRONZE FLATHEAD SCREW DRIVER
10. (2) PAIR OF RUBBER BOOTS
11. (1) CHEMICAL BURN FIRST AID STATION
12. (2) TRI-WEAVE CHEMICAL PROTECTION SUITS
13. (2) PUSH BROOMS & (2) DUST PANS
14. (4) SQUEEGEES
15. (2) FLATHEAD SHOVELS
16. (2) PAPER SUITS
17. (1) 85 GAL. DRUM
18. (1) 55 GAL. DRUM
19. (1) 30 GAL. DRUM
20. (3) 5 GAL. BUCKETS
21. (2) HARD HATS WITH SPLASH SHIELDS
22. (2) BAGS OF ALL PURPOSE ABSORBENT
23. (2) WILSON HALF MASK RESPIRATOR WITH VARIOUS CARTRIDGES

INSPECTOR SIGNATURE

DATE

A PUMP LEADERMAN OR TECHNICIAN WILL INSURE THIS FORM IS CHEC KED OFF EACH QUARTER AND RETURNED TO THE PUMP DEPARTMENT AFTER THE INSPECTOR HAS VISUALLY SIGHTED EACH ITEM ON THE CHECKLIST.

Attachment D



Jeb Bush
Governor

Department of Environmental Protection

Twin Towers Office Building
2500 Blair Stone Road
Tallahassee, Florida 32399-2400

David B. Scovis
Secretary

HAZARDOUS WASTE TRANSPORTER

CERTIFICATE OF APPROVAL

This is to certify that the carrier specified below has been approved as a hazardous waste transporter in Florida. The terms and conditions of this certificate require that the holder comply with all applicable portions of Chapter 62-730, Florida Administrative Code. This certificate shall be rendered null and void if any information contained within becomes obsolete. The certificate shall remain valid through the expiration date specified below.

TRANSPORTER: Perma-Fix of Florida, Inc.

FACILITY ID NO: FLD 980 711 071

FACILITY ADDRESS: 1940 Northwest 67th Place
Gainesville, Florida 32653

INSURANCE CARRIER: Commerce and Industry Insurance Company

INSURANCE POLICY: CA1925454

EFFECTIVE DATE: September 1, 2003

EXPIRATION DATE: September 1, 2004

APPROVED TRANSFER FACILITY: NO

APPROVAL ISSUED BY: _____ DATE: September 19, 2003
Sheileen Smith
Hazardous Waste Management Section
850/245-8754

rev. 0 (Oct 91)

"Give them, not, just, flowers"

Printed on recycled paper

Attachment E



Daily Hazardous Waste Inspection Checklist Naval Station Mayport

1. This form is to be completed legibly by the Command Hazardous Waste Coordinator when conducting daily inspections of temporary Hazardous Waste Storage Areas. Answer questions with Y = (Yes) or N = (No).
2. All discrepancies shall be corrected immediately. Failure to correct discrepancies shall result in the issuance of a Notice of Violation letter to the Command and/or other enforcement action.

COMMAND: <u>ATLANTIC MARINE, INC.</u>	MON	TUE	WED	THU	FRI	Inspector (Print Name)
DATE:						
TIME:						
All containers properly labeled/dated?						
HW containerized according to compatability?						
All containers in good condition?						
UW containers closed & dated?						
Lids/caps/bolts/rings tight?						
Hazardous Waste / No Smoking signs visible?						
Log books in correct format and up-to-date?						
Any containers over 30 days?						
Spill clean-up materials available?						
Containers stored to prevent leaks?						
Has the fire extinguisher been inspected?						
Number of containers inspected						
Any evidence of leaks or spills?						
Adequate aisle space between drum rows?						

COMMENTS:

Observation made:
Date and nature of any repairs or remedial actions:

Legibly Print Name & Rank: _____	Command: <u>Atlantic Marine, Inc.</u>
Signature: _____	Date: _____
Copy to: (EACH FRIDAY) NAVSTA Mayport N4E FAX: 270-7398	



Department of Environmental Protection

Jeb Bush
Governor

Northeast District
7825 Baymeadows Way, Suite B200
Jacksonville, Florida 32256-7590

David B. Struhs
Secretary

PERMITTEE:
Perma-Fix Environmental Services, Inc.
1940 NW 67th Place
Gainesville, Florida 32653

ATTENTION:
Mr. Raymond Whittle
General Manager

I.D. NUMBER: FLD 980 711 071
PERMIT/CERTIFICATION NUMBER: 17680-006-HO
DATE OF ISSUE: MAY 24, 2002
EXPIRATION DATE: June 8, 2005
COUNTY: ALACHUA
LATITUDE / LONGITUDE: 29°42'08" N/82°20'51" W
SECTION/TOWNSHIP/RANGE: 18/19S/20E
PROJECT: Operation of a hazardous waste treatment, storage facility consisting of a tank, two container storage areas, and two miscellaneous treatment units, and implementation of HSWA Corrective Action Requirements

Pursuant to the Solid Waste Disposal Act and 40 CFR 264.101 (as adopted in Rule 62-730.180, of the Florida Administrative Code [F.A.C.]), this permit is issued under the provisions of Section 403.722, Florida Statutes (F.S.) and F.A.C. Chapters 62-4, 62-160, 62-522, 62-532, 62-550, and 62-730. The above-named Permittee is hereby authorized to perform the work or operate the facility shown on the application, and approved drawing(s), plans, and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

1. To operate one (1) enclosed container storage area, to be located in the Treatment and Operations Building (TOB), as described in Figure I.D.1 and Part II, Section B of the permit application dated September 22, 1997 and revised Dec 10, 1999. The TOB container storage area will contain seven (7) zones for storage of hazardous radioactive mixed waste only in containers ranging from ½-gallon to 55-gallon drums and other D.O.T. approved containers of 550 gallons or less. The permit authorizes the storage of a maximum volume of 35,200 gallons of hazardous radioactive mixed waste in the TOB storage area. The container storage area will include a containment system that consists of 6" x 6" concrete curbing to prevent run-off. The hazardous waste codes for the waste to be stored in the TOB are listed in **Attachment A** of the permit.
2. To operate one (1) miscellaneous hazardous waste treatment unit, to be located in the TOB, described in Figures I.D.1-3 and I.D.12-22, Appendix II.B.1 and Part II, Section I of the permit application dated September 22, 1997 and revised Dec 10, 1999. The unit will be comprised of the Perma-Fix[®] I (PF-I) and Perma-Fix[®] II (PF-II) treatment processes for mixed waste only. The PF- I process consists of stabilization, fixation, and oxidizer deactivation type treatments, conducted primarily in 55-gallon drums. The PF-II process consists of thermal desorption and/or chemical oxidation batch treatments of 110-gallons or less. Both PF-I and PF-II processes will be conducted within the Quonset Hut that is located within the 6" x 6" concrete curbing of the TOB. Exhaust and fugitive emissions from treatment operations within the Quonset Hut will be contained and treated by thermal oxidation.

Attachment H



Trained Hazardous Waste Handlers

Employee #	Name	Training Date	Renewal Date
112977	Anthony, Nathan	12/30/2003	12/30/2004
113996	Barzdo, William J.	12/30/2003	12/30/2004
232859	Bingham, Dwayne	12/30/2003	12/30/2004
113216	Cogswell, Stephen	12/30/2003	12/30/2004
118594	Corbett, Donald	12/30/2003	12/30/2004
117014	Combs, Travis	12/22/2003	12/22/2004
113259	Fisher, George	12/30/2003	12/30/2004
114411	Goraczewski, James	12/30/2003	12/30/2004
115967	Hammonds, Mark	12/30/2003	12/30/2004
230748	Holmes, David	12/30/2003	12/30/2004
113224	Johnson, John S.	12/30/2003	12/30/2004
114323	Osborne, William S.	12/30/2003	12/30/2004
117487	Perinovic, Branko	12/30/2003	12/30/2004
116388	Phillips, Donald	12/30/2003	12/30/2004
113961	Rickert, Jeffrey	12/30/2003	12/30/2004
223871	Sharp, Jeffrey	12/30/2003	12/30/2004

Attachment I