



**NAVFAC Southeast**

Building 903 Yorktown Avenue

Jacksonville, Florida 32212

# **Hazardous Waste Management Plan**

## **Naval Special Warfare Group FOUR, Stennis Space Center, Mississippi**

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## Acronyms and Abbreviations

ASD	Accumulation Start Date
AST	Aboveground Storage Tank
BMP	Best Management Practice
CESQG	Conditionally Exempt Small Quantity Generator
CFR	Code of Federal Regulations
CHRIMP	Consolidated Hazardous Reutilization and Inventory Management Program
CNRSE	Commander Navy Region Southeast
CO	Commanding Officer
COR	Contracting Officer's Representative
CWA	Clean Water Act
DLA-D	Defense Logistics Agency Disposition Services
DOD	Department of Defense
DOT	Department of Transportation
EHM	Excess Hazardous Material
EMS	Environmental Management System
EOD	Explosive Ordnance Disposal
EPA	Environmental Protection Agency
FEAD	Facilities Engineering and Acquisition Division
HAZMIN	Hazardous Material Minimization
HAZWOPER	Hazardous Waste Operations and Emergency Response
HM	Hazardous Material
HW	Hazardous Waste
HWMP	Hazardous Waste Management Plan
HWSF	Hazardous Waste Storage Facility
IC	Incident Commander
ISSA	Interservice Support Agreement
LDR	Land Disposal Restriction
LQG	Large Quantity Generator
MDEQ	Mississippi Department Of Environmental Quality
MMR	Military Munitions Rule
MOA	Memorandum of Agreement
MWR	Morale Welfare and Recreation, Morale Welfare and Recreation
NAVSCIATTS	Naval Small Craft Instruction and Technical Training School
NMCI	Navy Marine Corps Internetwork
NOV	Notice of Violation
NPDES	National Pollutant Discharge Elimination System
NSWG FOUR	Naval Special Warfare Group 4
OB/OD	Open Burning/Open Detonation
OPNAVINST	Naval Operations Instruction
OSHA	Occupational Safety and Health Administration
P2	Pollution Prevention
PCB	Polychlorinated Biphenyl
POP	Performance Oriented Packaging
PPE	Personal Protective Equipment
RCRA	Resource Conservation and Recovery Act

### Acronyms and Abbreviations (continued)

RD.....	Reverse Distribution
RQ.....	Reportable Quantity
SAA .....	Satellite Accumulation Area
SBT-22.....	Special Boat Team 22
SDS .....	Safety Data Sheet
SOP .....	Standard Operating Procedure
SQG .....	Small Quantity Generator
SSC .....	Stennis Space Center
SW .....	Solid Waste
TCLP.....	Toxicity Characteristic Leachate Procedure
TOC .....	Total Organic Carbon
TSDF.....	Treatment, Storage, and/or Disposal Facility
TSS.....	Total Suspended Solids
UHC .....	Underlying Hazardous Constituent
UIC.....	Unit Identification Code
UTS.....	Universal Treatment Standards
UW .....	Universal Waste
WMM.....	Waste Military Munitions
WSD.....	Waste Stream Documentation
WTD .....	Waste Transfer Document

## **1.0 Introduction**

Naval Special Warfare Group 4 (NSWG FOUR) conducts classroom and field training at Stennis Space Center (SSC), Mississippi. SSC is located in Hancock County Mississippi, approximately 45 miles east of New Orleans, Louisiana. The NSWG FOUR units at SSC include the Naval Small Craft Instruction and Technical Training School (NAVSCIATTS), Special Boat Team 22 (SBT-22), and NSWG FOUR Det Stennis (Det Stennis).

Chapter 27 of the Navy Environmental and Natural Resources Program Manual (OPNAVINST 5090.1D) requires every Navy shore activity that generates hazardous waste (HW) to develop and use a Hazardous Waste Management Plan (HWMP). OPNAVINST 5090.1D provides mandatory elements for an effective HW management program.

This HWMP provides the framework for effective HW management and emphasizes the associated requirements for HW and hazardous material (HM) minimization and compliance with relevant occupational safety and health policy. All previous instructions concerning HW, Universal Waste and used oil are superseded by this plan. A list of primary and alternate emergency coordinators is included as Attachment 1. A copy of this information should be maintained for ready reference by the NSWG FOUR Command Duty Officer. It is also included in the Hazardous Waste Contingency Plan.

### **1.1 Background**

NSWG FOUR units conduct classroom and field training at SSC, Mississippi. NSWG FOUR has reduced, but not eliminated, the amount of HW generated through implementation of numerous pollution prevention (P2) initiatives. HW, including waste paints, adhesives, solvents, filters, aerosol cans, off-specification fuel, batteries, and cleanup debris from the small arms range, is generated during the course of certain NAVSCIATTS, SBT-22, and Det Stennis training, maintenance, and repair activities.

NSWG FOUR is classified a Small Quantity Generator (SQG) of HW. SQGs may generate up to 1,000 kilograms, or approximately 2,200 pounds, of HW per month and may accumulate HW on site for up to 180 days without a permit; however, the amount of HW on site must never exceed 6,000 kilograms, or approximately 13,228 pounds. The rate at which HW is generated by NSWG FOUR varies significantly, depending upon the type, frequency, and intensity of the activities being undertaken; however, with proper management and planning, NSWG FOUR is not anticipated to exceed the upper thresholds for SQGs.

HW generated by NAVSCIATTS, SBT-22, Det Stennis, and the Small Arms Range within the SSC boundary is managed under a common United States Environmental Protection Agency (EPA) Generator Identification number (MSR000004929). The locations of the Small Arms Range, NSWG Four facilities, and hazardous waste accumulation areas are depicted in Figures 1,

2, and 2A, of Appendix F, the Hazardous Waste Contingency Plan. NSWG FOUR does not operate any HW units requiring a Resource Conservation and Recovery Act (RCRA) operating permit.

SQGs, such as NSWG FOUR, are not required to have detailed, written contingency plans but must always have at least one emergency coordinator available to respond to a potential emergency involving HW. The emergency coordinator is responsible for coordinating all emergency response measures. Additional waste management requirements are described in more detail in subsequent sections of this HWMP.

The NSWG FOUR Environmental Office maintains copies of this HWMP. This document is available to regulators and personnel who manage HW.

## **1.2 Authority**

The RCRA authorized the EPA to implement regulations for the management of HW from the point of generation through final disposal. The U.S. Congress waived sovereign immunity for Department of Defense (DOD) facilities subjecting them to full regulation including assessment of fines and penalties. The EPA granted the state of Mississippi the authority to implement and enforce HW regulations, including the identification, packaging, labeling, storing, transporting, and the treatment standards for proper disposal of regulated waste.

OPNAVINST 5090.1D requires all shore installations to develop a HWMP in accordance with applicable federal, state, and local regulations.

## **1.3 Applicability**

This HWMP provides guidance for the proper management of regulated waste by departments, subordinate commands, and contractors operating at NSWG FOUR facilities at SSC. This HWMP meets the requirements of the EPA and the State of Mississippi; therefore, compliance with this plan ensures compliance with the regulations.

## **1.4 Purpose**

This HWMP provides instruction and guidance for the management of regulated waste generated by all commands and contractors operating at NSWG FOUR facilities at SSC.

## 1.5 Applicable Regulations

The procedures and requirements set forth in this HWMP are mandatory; therefore, they are not discretionary. There is a potential for fines and criminal liability for persons violating HW regulations.

- 40 Code of Federal Regulation (CFR) 260-268, 270, 273. The federal (EPA) regulations that establish a “cradle-to-grave” approach for managing, storing, and disposing of HW, including waste characterization, the manifest system, the generator standards, the treatment standards, and the disposal requirements. These regulations also include the requirements for recycling materials, including burning material for its energy value and precious metal recovery.
- 40 CFR 279. The EPA regulation for the management of used oil and used oil filters, including reporting, storage, disposal, recycling for energy value and other related requirements.
- 40 CFR 266.200. The EPA regulation, Waste Military Munitions (WMM) Rule, which exempts WMM from the RCRA regulations, including the storage and manifest requirements, when the WMM are managed under the conditions specified in this regulation.
- 49 CFR 171-180. The Department of Transportation (DOT) regulations for the shipment of HM/HW across public highways. The regulations include the requirements for packaging, labeling, marking, and the placarding of vehicles. The DOT regulations include design specifications for containers used to hold HM/HW during transportation and specific closure requirements for those containers.
- 49 CFR 390-397. The DOT regulations that govern the qualifications of the drivers, the equipment in the vehicle, and, in some cases, the routing of HM or HW shipments during transport.
- 40 CFR 112. The EPA regulation governing spill containment for petroleum storage tanks and spill reporting.
- 40 CFR 116-117. The EPA regulations governing when and how a release or spill of a chemical in quantities exceeding the reportable quantity (RQ) must be reported to the National Response Center.
- Mississippi HW-1 through HW-3. The Mississippi Department of Environmental Quality (MDEQ) did not adopt by reference all the federal regulations. However, the majority of the federal regulations are included in the Mississippi regulations that are as, or more, stringent than the federal regulations. The EPA granted the MDEQ the authority to enforce environmental regulations within the State of Mississippi.

## 2.0 Definitions

### Accumulation Start Date (ASD):

- ASD at a Less Than 180-Day Storage Area means the accumulation start date is the date the first drop or item is placed into a HW container or the date that a satellite accumulation area (SAA) transfers a container to a less than 180-day storage area.
- ASD at a Satellite Accumulation Area means the date that the total amount of HW exceeds the 55-gallon limit, or the date that a HW container is transferred from the SAA.
- ASD for Universal Waste means the date the container first receives universal waste (UW).

Authorized Representative means the person responsible for the overall operation of a facility or part of a facility. An authorized representative is normally the Commanding Officer (CO) or persons of equivalent responsibility. The CO may designate an “authorized representative” to act on their behalf.

Best Management Practices (BMPs) describe practical work techniques that limit the introduction of pollutants into the environment. BMPs achieve a compromise between the environmental ideal (no pollution whatsoever) and what is realistic and practical from an economic and operational standpoint. Emphasis, however, is on the best environmental solution.

Characterization means the process of identifying waste components, their concentrations, and the work process from which HW is generated. Characterization is required to ensure the correct EPA Waste Codes are identified and for the proper handling, treatment, and disposal of HW.

Code of Federal Regulations (CFR) means the codified general and permanent rules as published in the Federal Register by the executive departments and agencies of the Federal Government.

Commercial Hazardous Waste Management Facility means any HW management facility that accepts HW or polychlorinated biphenyl (PCB) for a charge.

Container means any portable device in which a material is stored, transported, treated, or disposed.

Contaminant means any chemical that, when present, causes the waste to be regulated.

Contaminated Medium/Media means soil, sediment, surface water, groundwater, or air that contains a contaminant subject to regulations.

Contingency Plan means a document that contains an organized, planned, and coordinated course of action to be taken in case of a fire, explosion, or release of a hazardous material or waste.

Debris means any solid material with a diameter of 2.4 inches or larger intended for disposal, including manufactured objects, plants or animal matter, or natural geologic material; this includes brushes, rags, rollers, personnel protection equipment (PPE), large and small equipment, etc.

Dilution means the deliberate mixing of HW with another material for the purpose of changing either the characteristic(s) or the concentration of a constituent in the waste. Dilution of a HW is prohibited.

Disposal means the process of treating a HW to render it non-hazardous or the placing of a HW into a landfill that is a permitted HW disposal facility.

Empty Container means any HM or HW container (except compressed gas cylinders, aerosol cans, or acute HW containers) that has had all wastes removed that may be removed using all commonly employed techniques for the type of container, e.g., pouring, pumping, and aspirating, or with the approval of the regulatory agency and the Installation:

- No more than 2.5 centimeters (one inch) of residue remain in the bottom of the container; or
- No more than 3 percent by weight of the total capacity of the container remains in the container if the container is less than or equal to 119 gallons in size; or
- A compressed gas is empty when the pressure inside the container approaches atmospheric.
- A container with an inner liner shall have the liner removed.

EPA Hazardous Waste Codes means the specific alphanumeric sequence assigned by the EPA to specify type and characteristic of a HW.

Excess Hazardous Material (EHM) means full (or partially full) containers of HM that exceed the activity's requirements or that are no longer needed and may be used by another activity or by a commercial industry.

Free Liquids means the liquid component of a waste.

Generator means any person, by site, whose act first causes a waste to be subject to regulations.

Hazardous Debris means debris that contains a listed HW or that exhibits a characteristic of HW.

Hazardous Material (HM) means any material that because of its quality, concentration, physical, chemical, or infectious characteristics, may pose a substantial hazard to human health or the environment when incorrectly used, purposefully released, or accidentally spilled.

Hazardous Waste (HW): Before a waste can be a HW, it must first meet the definition of a Solid Waste (SW). A SW is a HW if it is a chemical listed in 40 CFR 261, if a chemical listed in 40 CFR 261 is the sole active ingredient of a commercial product, or if a SW exhibits one or more of the HW characteristics listed below:

- Ignitable means a material that is:
  - a liquid, other than an aqueous solution containing less than 24 percent alcohol by volume, that has a flash point less than 140° F;
  - a non-liquid capable, under standard temperature and pressure, of causing fire through friction, absorption of moisture or spontaneous chemical changes, and when ignited burns so vigorously and persistently that it creates a hazard;
  - an ignitable compressed gas; or
  - an oxidizer.
- Corrosive means a material that is:
  - an aqueous (water) solution that has a pH equal to or less than 2.0 or equal to or greater than 12.5; or
  - a non-aqueous liquid capable of corroding steel at a rate greater than 0.25 inches per year.
- Reactive means a material that is:
  - is normally unstable and readily undergoes violent change without detonating;
  - reacts violently with water;
  - forms potentially explosive mixtures with water;
  - when mixed with water, it generates toxic gases, vapors, or fumes in a quantity sufficient to present a danger to human health or the environment;
  - is a cyanide or sulfide-bearing material that when exposed to pH conditions between 2.0 and 12.5 is capable of generating toxic gases, vapors, or fumes in a quantity sufficient to present a danger to human health or the environment;
  - is capable of detonation or explosive reaction if it is subjected to a strong ignition source or is heated under confinement;
  - is readily capable of explosive detonation or reaction at standard temperature and pressure; or
  - is a forbidden explosive or a Class A or Class B explosive as defined in 49 CFR 173.51, 173.53, or 173.88, respectively.
- Toxic means that a representative sample, using the toxicity characteristic leaching procedure (TCLP), leaches one or more hazardous constituents at a concentration equal to or greater than the concentration listed in 40 CFR 261.24.

Hazardous Waste Constituent means the chemical that causes the waste to be regulated.

Incompatible Waste means wastes that, when in contact with one another, have the potential to produce heat, pressure, fire, explosion, violent reaction, toxic or flammable dusts, mists, fumes, or gases.

Inner Liner means a continuous layer of material placed inside a container that separates the container from the material stored in it.

Lamp (Light Bulbs) means the bulb or tube portion of electric lighting devices. Common UW lamps include fluorescent, high intensity discharge, neon, mercury vapor, high-pressure sodium, and metal halide.

Leachate means the liquid, including any suspended components in the liquid, which has percolated through or drained from a waste.

Manifest means the shipping document EPA Form 8700-22 (including, if necessary, EPA Form 8700-22A), originated and signed by the generator, that accompanies and is used for tracking the transportation of HW.

Manifest Tracking Number means the alphanumeric identification number pre-printed in Item 4 of the manifest by a registered source.

Mercury-Containing Equipment means any device or part of a device (excluding batteries and lamps) that contains elemental mercury.

Military Munitions means all ammunition and their components that are produced, or used by, the DOD or the U.S. Armed Services for national defense and security, including military munitions (MM) under the control of the DOD, the U.S. Coast Guard, the U.S. Department of Energy, and the National Guard.

Paint and Paint-Related Waste means liquid paints, thinners, and debris, such as rags, brushes, rollers, tape, etc., or a mixture of pigment and suitable liquids that form an adherent coating when spread on a surface or any material.

Pesticide means any substance or mixture of substances intended for preventing, destroying, repelling, or mitigating any pest, or intended for use as a plant regulator, defoliant, or desiccant.

Point of Generation means the date and location that a material first becomes subject to the HW regulations.

Profile Number means the unique, alphanumeric identification number used to designate a specific waste stream.

Profile Sheet means the DRMS DD-1930 or other forms that are used to document specific disposal information for each waste stream sent to the disposal facility.

Representative Sample means a sample taken in a manner that when analyzed can be expected to exhibit the average properties of all material in the container.

Sludge means any solid, semi-solid, or liquid waste generated by a wastewater treatment plant, water supply plant, or air pollution control facility. This does not include the treated effluent from a wastewater treatment plant.

Soil means unconsolidated earth material composing the superficial geologic strata, consisting of clay, silt, sand, or gravel size particles, or a mixture of such materials with liquids, solids, and sludges.

Solid Waste (SW) means any garbage, refuse, or sludge from a waste treatment plant, water supply treatment plant, or air pollution control facility, and other discarded material, including solid, liquid, semisolid, or contained gaseous material resulting from industrial, municipal, commercial, mining, and agricultural operations, and from community and institutional activities.

Sorbent means a material used to soak up free liquids by either adsorption or absorption, or both.

Spill means the accidental or intentional leaking, pumping, emitting, emptying, or dumping of a HM, SW, or HW into or on any land or surface waters.

Thermostat means a temperature control device that may contain elemental mercury.

Toxicity Characteristic Leachate Procedure (TCLP) means the analytical procedure used to determine if a solid waste leaches contaminants into the environment.

Transportation means the movement of HM/HW by air, rail, highway, or water.

Transporter means a person engaged in the off-site transportation of HM/HW.

Treatment means any method, technique, or process designed to change the physical, chemical, or biological character or composition of any HW so as to neutralize such waste, or so as to recover energy or material resources from the waste, or so as to render such waste non-hazardous, or less hazardous; safer to transport, store, or dispose of; or amenable for recovery, amenable for storage, or reduced in volume. Treatments include, but are not limited to either physical or chemical extractions, or chemical or thermal destruction. The residues from these treatments shall be managed in accordance with regulations.

Underlying Hazardous Constituent (UHC) means any constituent listed in 40 CFR Part 268.48, which can reasonably be expected to be present at the point of generation of a characteristic HW at a concentration above the constituent-specific Universal Treatment Standards (UTS).

Universal Waste (UW) means batteries, fluorescent lamps, some pesticides, and mercury-containing equipment formerly classified as HW, but that are now subject to less stringent regulations when recycled, if recycling is available.

Used Oil means any oil refined from crude oil or synthetic oil that, as the result of use, is contaminated with physical or chemical impurities. Used oil does not include oil-water mixtures that are mostly water.

Waste Profiling means a method that identifies and classifies waste streams based on analytical testing and/or user knowledge of the specific process.

Wastewaters means waste that contains less than 1% by weight total organic carbon (TOC) and less than 1% by weight total suspended solids (TSS).

### **3.0 Hazardous Waste Management Responsibilities**

The responsibilities for management of HW on Naval Installations are typically shared between the CO, Public Works Officer, Environmental Coordinator, Environmental Compliance Coordinators, and HW Handlers, with support from the Safety Officer, Fire Department, Supply Department, and Subordinate Commands. NSWG FOUR (SSC) is not a typical Naval Installation, and the responsibilities for management of HW are consolidated into a more limited number of personnel, as described in Sections 3.1 to 3.5.

#### **3.1 Commanding Officer, Naval Special Warfare Group FOUR**

The Commanding Officer (CO) may designate an “authorized representative” to assume responsibility for any or all of the functions described in this section.

The CO shall:

- Retain ultimate responsibility for the environmental compliance and readiness of the installation including implementation of this HWMP
- “Budget, fund, and manage HW in full compliance with applicable substantive and procedural Federal, State, and Local HW laws and regulations” as stated in OPNAVINST 5090.1D
- Support the Environmental Coordinator who provides direction for environmental management to all departments and subordinate commands
- Designate in writing, with a copy to the Environmental Coordinator, the person(s) authorized to sign HW manifests
- Ensure the HW program receives the appropriate level of attention to guarantee personnel are aware of and comply with the provisions of this plan

#### **3.2 NSWG FOUR Environmental Coordinator**

The Environmental Coordinator is responsible for overseeing and coordinating all waste management activities on behalf of the CO, and is authorized to interact with all waste personnel and to have access to all work areas which generate waste. This position resides at the Echelon III Command in Little Creek Virginia. The Environmental Coordinator shall:

- Serve as the principal advisor to the CO or authorized representative on HW management and compliance matters and serve as the single point of contact for all HW inquiries, inspections, and other events or interactions with federal, state, and local environmental regulatory agencies
- Oversee NSWG FOUR departments, subordinate commands, and service providers HW operations to ensure compliance with federal, state, and local environmental regulations

and ensure that environmental issues, especially those with the potential for a Notice of Violation (NOV), are communicated to the CO or authorized representative

- Provide management, training, and technical expertise to facilitate implementation of this HWMP and ensure this plan and the standard operating procedures delineating HW management are up to date
- Serve as the Planning, Programming, Budget, and Execution System (EPR Web) interface for hazardous and industrial waste program requirements
- Approve the purchase of HW spill response and waste handling equipment and reference materials
- Coordinate with the fire department and subordinate commands the development of spill response procedures
- Ensure HW reports and compliance documents are complete and submitted to the appropriate regulatory agencies and Navy activities in a timely manner. These reports include but are not limited to:
  - Annual Navy HW Reporting using the Environmental Program Requirements (EPR) Portal, and
- Annual HW Reporting to MDEQ Maintain organized records of required documentation including logs, inspections, and reports for a minimum of 3 years
- Maintain a list of SAAs and 180-day storage areas and ensure they comply with the regulations. Point of contact information and document inspections for SAAs and less than 180-day storage areas should be documented in accordance with regulatory requirements
- Ensure waste stream determinations are updated and that the documentation is available for review by the regulatory community

### **3.3 Environmental Compliance Coordinators**

The Environmental Compliance Coordinator positions reside at Echelon IV units based at SSC Mississippi. Environmental Compliance Coordinators shall:

- Be appointed by the Commanding Officer, Naval Special Warfare Group FOUR. Refer to Attachment 2 for an example Environmental Compliance Coordinator Appointment Letter.
- Sign HW manifests when designated to do so by the CO, track manifests, and prepare and submit exception reports if necessary. Refer to Attachment 3 for an example Hazardous Waste Manifest Signature Authority Letter.
- Ensure adequate supplies are available, including, but not limited to, containers, labels, markings, placards, and forms
- Ensure waste is properly managed in accordance with this plan
- Ensure only DOT-approved containers are used to store waste

- Ensure all SAAs are approved by NSWG FOUR Environmental Coordinator before waste is generated (the list of approved HW SAAs is found in Appendix A)
- Maintain only approved HW SAAs and less than 180-day storage areas in accordance with this plan
- Inform NSWG FOUR Environmental Coordinator of any changes in materials, work processes, or procedures that may affect HW generation before generating waste
- Annually review work processes for changes, modifications, or material substitutions and inform NSWG FOUR Environmental Coordinator of any changes
- Ensure containers are stored so that the labels are visible when approaching and that there is direct access to each container
- Ensure segregation of incompatible wastes
- Conduct inspections and correct all deficiencies
- Schedule the delivery of containers and the pickup of waste from the generating unit
- Maintain logs and records documenting waste pickups
- Complete and document weekly inspections of less than 180-day storage areas and SAAs using the appropriate inspection forms.

### **3.4 Primary and Alternate Emergency Coordinators**

Emergency Coordinators and alternates shall:

- Be responsible for coordinating all emergency response measures and be available to respond to an emergency at all times by reaching the facility within a short period of time; and
  - in the event of a fire, call the fire department or attempt to extinguish it using a fire extinguisher
  - in the event of a spill, it is the responsibility of the person who discovers the release, spill, or incident to secure the area, if necessary, and immediately call the Fire Department by dialing 911 or by dialing 228-688-3636 from cell phones (per SCWI-8500-0020-ENV/Environmental Integrated Contingency Plan) . The emergency coordinator should safely contain the flow of HW to the extent possible, and direct, monitor, and report completion of spill response evolution and associated follow-up requirements, including contaminated material/waste generated for disposal as soon as is practicable.
  - immediately notify the National Response Center in the event of a fire, explosion, or other release which could threaten human health outside the facility or when the generator has knowledge that a spill has reached surface water

### **3.5 SSC Fire Department**

NSWG FOUR shall arrange for the SSC Fire Department to:

- Serve as Incident Commander (IC) as delegated by the CO or authorized representative
- Provide emergency response and technical support to HM/HW incidents
- Maintain spill response equipment necessary for emergency response

## **4.0 Training Requirements**

EPA requires SQGs to ensure that all employees are thoroughly familiar with proper waste handling and emergency procedures relevant to their responsibilities during normal facility operations and emergencies. In addition, the OSHA (Occupational Safety and Health Administration) Hazardous Waste Operations and Emergency Response Standard (HAZWOPER) applies to many potential activities involving HW handling, transport, storage, and spill response.

All personnel shall receive general environmental awareness training upon reporting to a command. Hazardous and industrial waste handling personnel at NSWG FOUR (SSC) must also successfully complete a training program that ensures compliance with OSHA regulations and Navy Policy. Training requirements for personnel involved in the management of HW are described below.

### **4.1 Environmental Coordinator and Environmental Compliance Coordinators**

The Environmental Coordinator and Environmental Compliance Coordinators shall attend an initial Hazardous Waste Management/RCRA training and an annual refresher as required under 40 CFR 260-273. This training shall include, but is not limited to hazardous waste packaging, labeling, handling, inspections, documentation/recordkeeping, and Federal and State regulations.

In addition to HW/RCRA training, all personnel signing HW manifests shall attend initial DOT Hazardous Materials Transportation training. DOT Hazardous Materials Transportation training must shall be completed every three years following the initial DOT training, as required under 49 CFR 170-178, or as otherwise required under NSWG FOUR Policy.

This training must be completed within 6 months of starting, to meet OSHA, RCRA, and DOT requirements. Environmental Coordinator and Environmental Compliance Coordinators may not work unsupervised with HW until he/she has completed the training courses and a minimum of 3 days on the job training. The Naval Civil Engineer Corps Officer School (CECOS) is one source for Hazardous Waste and DOT training requirements.

Respiratory training, fit testing and medical surveillance must be completed by any worker before they are required to wear a respirator.

### **4.2 Primary and Alternate Emergency Coordinators**

The primary and alternate emergency coordinators shall attend an initial 24-hr Hazardous Waste Operations and Emergency Response (HAZWOPER) training course and an annual 8-hour refresher as required under 29 CFR 1910.120.

## **5.0 Hazardous Waste Management Procedures**

NSWG FOUR HM management policies require safe storage of HM and waste. HM containers must be stored in secure areas and inspected for leaks. Leak and spill prevention help to ensure worker safety and help to avoid unnecessary generation of HW.

Waste generation shall be minimized by utilizing good inventory practices, such as using older material first, checking expiration dates, and ordering only what is required. Purchase less toxic or non-HM when possible. Efforts shall also be made to determine if HM is usable before it may be disposed of as a waste. Contact the Environmental Coordinator for assistance with large amounts of excess HM that are not acceptable for use, preferably as soon as possible and prior to the shelf life expiration date. Additional methods and procedures for waste minimization should be employed through reference to the NSWG FOUR P2 Management Plan.

### **5.1 General Hazardous Waste Management**

The requirements of this plan are derived from policies and regulations that are specific and detailed, and they shall be followed accurately and completely.

The CO is recognized by state, federal and local authority as the overall Generator for this facility. Wastes generated at NSWG FOUR (SSC) are managed under the authority, direction, and support of the NSWG FOUR CO or his/her authorized representative. The Contracting Officer's Representative (COR) is responsible for ensuring contractor compliance with HW Regulations.

All employees are trained to be thoroughly familiar with proper waste handling and emergency procedures relevant to their responsibilities.

NSWG FOUR is classified a SQG of HW. SQGs must comply with 40 CFR 262.34(d) to avoid the requirement to obtain a HW treatment, storage, or disposal permit. SQGs may generate up to 2,200 pounds of HW per month, and may accumulate HW on site for up to 180 days without a permit. SQGs may not accumulate over 6,000 kilograms, or approximately 13,228 pounds, of HW on site at any time.

NSWG FOUR manages HW at numerous SAAs and two less than 180-day accumulation areas throughout the facility. One of the 180-day accumulation areas is located in a fenced area southeast of the SBT-22 Hull Tech Shop. The other 180-day accumulation area is located in a fenced area south of NAVSCIATTS Building 2605D. Additional information pertaining to HW management at SAAs and 180-day accumulation areas is included in Section 7.0 and Appendix A; and in Section 8.0 and Appendix B, respectively.

Mississippi law requires SQGs to develop a facility waste minimization plan and update it annually to reflect waste minimization practices and any changes to the original plan. In

addition, HW manifests must certify that a good faith effort to minimize waste generation was made. NSWG FOUR has a P2 plan and has reduced but not eliminated the amount of HW generated through implementation of numerous P2 initiatives. NSWG FOUR recycles numerous types of spent materials, including oil, fuel, paper, cardboard, aluminum cans, and bulk scrap metal. Process equipment changes have also significantly extended the service life of parts washer solvents. Material substitution has also been used extensively to reduce HW. NSWG FOUR has an ongoing commitment to identify, evaluate, and implement new P2 initiatives for reducing HW.

## **5.2 Preparedness and Prevention/Emergency Coordination and Notification**

NSWG FOUR HW facilities are maintained and operated to be protective of human health and the environment by minimizing the possibility of fire, explosion, or unplanned release of HW constituents to air, soil, or surface water. NSWG FOUR facilities are included in the SSC Environmental Integrated Contingency Plan with Spill Prevention Control and Countermeasures (SPCC) Plan.

In the event of a fire, the Emergency Coordinator or his/her designee will call the Fire Department by dialing 911 or by dialing 228-688-3636 from cell phones; or will attempt to extinguish it using a fire extinguisher. In the event of a spill, the Emergency Coordinator or his/her designee will call the Fire Department by dialing 911 or by dialing 228-688-3636 from cell phones, contain the flow of HW to the extent possible, and will direct the cleanup of the spill and any contaminated materials as soon as is practicable.

In the event of a fire, explosion, or other release which could threaten human health outside the facility or when it is known that a spill has reached surface water, the Environmental Coordinator or his/her designee will immediately notify the National Response Center at (800)-424-8802 and will report the following information:

- Name, address, and EPA Identification Number for NSWG FOUR
- Date, time, and type of incident (e.g., spill or fire)
- Quantity and type of HW involved in the incident
- Extent of injuries, if any
- Estimated quantity and disposition of recovered materials, if any

## **5.3 Response Equipment**

The less than 180-day accumulation areas are outfitted with portable fire extinguishers, spill kits, PPE, eye wash facilities. This standard equipment may be used in response to potential fires, explosions or unplanned releases, and should be inspected, tested, and maintained as necessary to assure its proper operation. Air horns should be maintained on site to be used as an alarm signal

in the event of an emergency. Emergency communications shall be by means of cellular telephones and portable radios if available, or by voice.

HW stored in SAAs have fewer regulatory requirements than wastes stored in central accumulation areas and are not required to be outfitted with response equipment.

## 5.4 Container Management

Containers holding HW must be labeled with the words “HAZARDOUS WASTE” and the Accumulation Start Date (ASD), as defined in Section 2.0. Containers in SAAs may be labeled with other words, in lieu of “HAZARDOUS WASTE,” to identify their contents. The containers must be in good condition, and must be made of or lined with materials that are compatible with the waste. Any waste in leaking containers must be transferred to a container that is in good condition. Containers holding HW must always be closed during storage except when it is necessary to add or remove waste, and must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak. Containers holding HW must be inspected for leaks, corrosion, or other deterioration.

Incompatible wastes and materials must not be placed in the same container and wastes must not be placed in unwashed containers that previously held an incompatible waste or material.

Storage containers holding wastes or other materials must be separated from other incompatible wastes or materials in order to prevent fires, explosions, gaseous emissions, leaching, or other discharge of HW or hazardous waste constituents if containers break or leak. This separation may be accomplished through means of dikes, berms, walls, or distance.

### 5.4.1 Management of Empty HM Containers

A HM container is empty only after pouring, pumping, and/or scraping as defined below:

- To the maximum extent possible, pour all liquid HM into a properly labeled waste container. Do not allow liquids to dry in their original container.
- Place any rags used to wipe out containers in the appropriate waste container for solids.
- If dry or hardened HM is discovered in a container, scrape the hardened material out and place it in a properly labeled container for solids or place the entire container of completely cured material in a properly labeled container.

**Special Note:** Empty aerosol cans are **NOT** empty containers unless they are punctured. Unpunctured aerosol cans must be managed as HW and stored in a properly labeled HW container until they are turned in as HW.

Alternatively, aerosol cans may be stored as HW in a properly labeled and sealed container until they are turned in to be punctured as described in Section 5.4.1.

### **5.4.2 Management of Aerosol Cans**

Generators may treat wastes in containers or tanks without having a permit providing that the containers/tanks are managed in conformance with 40 CFR 262.34 and Subpart J or I of Part 265. The generator is responsible for ensuring that treatment is performed safely.

Spent aerosol cans may be managed in this manner by inserting them into a device that punctures the cans and allows the residual liquids to drain into a closed container equipped with a filter to adsorb contaminants from the propellants. The empty aerosol cans may be recycled as scrap metal; the liquids and spent filter canisters are disposed of as HW.

This treatment option is utilized at several Navy facilities but has not been formally authorized by EPA regulation or permit at NSWG FOUR (SSC). Spent aerosol cans may also be segregated and disposed of intact as HW as described in Section 5.3.2.

### **5.5 Management of Other Regulated Wastes**

Some wastes which would otherwise be required to be managed as HW may be managed in accordance with less stringent requirements. These wastes or materials include scrap metal, used oil, and universal waste. Solid scrap metals, even if considered hazardous, are exempt from RCRA regulation if properly managed and recycled. Information pertaining to used oil and universal waste management is included in Section 10.0 and Appendix D; and in Section 11.0 and Appendix E, respectively.

### **5.6 Special Wastes**

Some wastes that are not listed or characteristic HWs and are not regulated under RCRA as HW may still be harmful to human health and the environment if not properly managed. Additional regulatory controls may be imposed on the management of equipment or appliances containing refrigerants, PCB waste, regulated asbestos containing materials, waste tires, industrial waste, construction and demolition waste, medical wastes, electronics waste, and non-hazardous liquid wastes other than small containers similar in size to that normally found in household waste. The Environmental Coordinator should be consulted for management requirements for these types of waste.

### **5.7 Off-Base Shipment**

Transfer of HW off-base requires use of personnel trained in the DOT hazardous materials transportation regulations. Implementation of those regulations requires selection of the proper DOT shipping description, use of a DOT authorized container (or transport vehicle in the case of bulk shipments), use of specific container markings and labels, proper vehicle loading procedures, selection of vehicle placards, and manifests.

Prior to offering waste for transportation, each container must be inspected to ensure that the waste is properly classified, described, packaged, labeled and that it is in good condition for shipment. NSWG FOUR shall ensure shipments are loaded in such a manner to prevent longitudinal and lateral movement and be sufficiently blocked or braced to prevent damage of containers. NSWG FOUR shall offer the appropriate placard to the motor carrier unless the vehicle already bears the appropriate placards. Placards must be displayed on each end and side of the transport vehicle.

### **5.7.1 Hazardous Waste Manifests**

Mississippi HW management regulations require the use of a manifest for all off-site shipments of HW. The CO may authorize an individual to act on his/her behalf as generator for the facility; however, the ultimate responsibility for all waste management at the facility remains with the CO. The CO's authorization must be provided in order for anyone to sign waste manifests for NSWG FOUR, and must contain the words "on behalf of" when describing the individual's responsibility to the Command.

Manifests must be accurate and legible. One copy of the manifest must be retained pending the return of the signed copy receipt to the facility from the Treatment, Storage and/or Disposal Facility (TSDF) and the returned copy must be maintained for not less than three years from the date the TSDF signs it.

### **5.7.2 Manifest Follow-Up Requirements**

If the signed return copy from the TSDF is not received by NSWG FOUR within 35 days of a shipment, Defense Logistics Agency Disposition Services (DLA-D), the transporter, and the TSDF should be contacted for inquiry into the status of the paperwork. Extra efforts are warranted if the facility has not received the signed copy from the TSDF within 40 days from the date of the waste shipment in question. All efforts of inquiry and any results should be properly recorded and kept for future reference.

### **5.7.3 Written Exception Reports**

In the event a signed return TSDF copy of a manifest has not been received by NSWG FOUR within forty five (45) days from the date of shipment, a written Exception Report must be completed and submitted to MDEQ. The Exception Report must include a cover letter explaining the efforts to locate the shipment of waste and the results of those efforts. A legible copy of the manifest which does not have the signature of the TSDF should be attached.

### **5.7.4 Land Disposal Restriction Notices**

EPA established the Land Disposal Restrictions (LDR) program to ensure that toxic constituents present in hazardous waste are properly treated before hazardous waste is land disposed. The LDR program specifies requirements that generators, transporters, and owners or operators of

treatment, storage, and disposal facilities (TSDFs) that manage restricted wastes destined for land disposal must meet.

The LDRs include specific requirements for generators to provide a notification to the disposal facility if the restricted waste contains contaminants in excess of Treatment Standards. A Certification is required for wastes that meet Treatment Standards. There shall be at least one notice or certification filed for each waste stream determined to be hazardous (at the point of generation) at NSWG FOUR (SSC).

#### **5.7.5 Annual Reports**

MDEQ has oversight authority for RCRA in Mississippi, and requires each generator of greater than 220 pounds of HW in any calendar month during the previous calendar year to report the type and amount of HW generated during the preceding calendar year. OPNAV 5090.1D requires all small and large quantity generators to submit annual hazardous waste reports within the Navy's EPR Portal each March.

## **6.0 Waste Determination Procedures**

NSWG FOUR (SSC) requires that all wastes are properly documented through waste determination procedures. Supervisors are ultimately responsible for the overall management of waste in their respective areas. Any person who generates a waste or first causes the waste to be regulated shall identify all wastes and request documentation of the materials and processes which create the wastes prior to generating any waste.

Waste stream determinations are performed or contracted by the Environmental Coordinator and must be conducted prior to initiating storage, treatment, or disposal. Waste Stream Documentation (WSD) Forms contain specific information to indicate whether the waste is hazardous or non-hazardous and includes information regarding the proper management of the waste and any precautions or special handling instructions. WSD Forms may also characterize a waste as a HW, UW, non-RCRA (non-regulated) waste, or used oil and include labeling, handling, containerization, treatment, and disposal requirements for each waste stream.

Appendix G is the Standard Operating Procedure (SOP) that shall be used to ensure proper waste stream determination procedures for hazardous and non-RCRA regulated wastes.

## **7.0 Record Keeping**

RCRA requires documentation of cradle-to-grave management of HW through a recordkeeping system that tracks shipments of HW, from the point of generation to final disposal, using a HW manifest. Various MDEQ, EPA, and Navy recordkeeping requirements also apply to waste stream determinations, inspections, manifests, exception reports, Land Disposal Restriction (LDR) reports, annual hazardous waste reports, and training records. The Environmental Coordinator is responsible for maintaining these records in an organized manner and must be able to make them available to the EPA or MDEQ upon request.

### **7.1 Manifests and Exception Reports**

Due to the cradle-to-grave liability for generators of hazardous waste disposal, Navy policy requires copies of all waste manifests, signed by the generator, the transporter, and the TSD owner or operator, to be maintained on site for a minimum of three years, and to be archived thereafter for the life of the Installation. All Exception Reports, and associated correspondence, and other off-site disposal documentation shall also be recorded and maintained indefinitely.

### **7.2 Land Disposal Restriction Notices**

EPA regulations require copies of LDR notices for each waste stream determined to be hazardous at the point of generation to be maintained on file for a minimum of three years from the time the waste was last sent off site for treatment or disposal.

### **7.3 Waste Stream Documentation**

EPA regulations require waste stream documentation forms and profiles, with supporting documentation to be kept on site for a minimum of three years:

### **7.4 Training Records**

Navy policy requires training records to be kept for current employees throughout their employment and for a minimum of five additional years beyond the date of separation. Training records shall include the name of the employee; the job title, description, and HW management duties; a description of the initial and any continuing training requirements for the position; and documentation of satisfactory completion of required training and/or work experience required for the position. Training documentation requirements apply to the following types of training:

- General awareness training
- 24 hour initial training for hazardous waste operations and emergency response (HAZWOPER)
- 8 hour HAZWOPER refresher training, required annually
- Annual Hazardous Waste/RCRA training
- DOT hazardous materials shipping training required every three years

## **7.5 Other Hazardous Waste Records**

The State of Mississippi requires small quantity generators complete and submit annual Hazardous Waste reports. EPA regulations require these reports to be kept on site for a minimum of three years

The following additional documentation shall be maintained on file for a minimum of three years:

- A list of SAAs and 180-day storage areas with point of contact information
- Inspection records for less than 180-day storage areas and SAAs
- Documentation of actions to resolve discrepancies identified during inspections
- Waste pickup logs
- Assignment letters for Environmental Compliance Coordinators
- Hazardous Waste Signatory Authorization Letters
- Written incident reports submitted to MDEQ (Reporting Form For Emergency Events)
- Pollution Prevention Annual Data Summary.
- Correspondence with regulators

## **8.0 Satellite Accumulation Areas**

SAAAs are designated areas where wastes may initially be accumulated prior to transfer to a less than 180-day area. EPA allows generators to accumulate up to 55 gallons of HW (or 1 quart of acute HW) in containers that are at or near any point of generation, and under the control of the operator. There are fewer waste management requirements for SAAAs than there are for less than 180-day areas.

Appendix A is the Standard Operating Procedure (SOP) that shall be used to ensure proper management of hazardous and other non-RCRA regulated waste in SAAAs.

## **9.0 Less than 180-Day Storage Sites**

SQGs may accumulate HW for up to 180 days without interim status or a permit. NSWG FOUR accumulates HW at two less than 180-day Accumulation Areas. One of the areas is located in a fenced area southeast of the SBT-22 Hull Tech Shop and the other is located in a fenced area south of NAVSCIATTS Building 2605D.

EPA standards for container labeling and management, personnel training, preparedness and prevention, and emergency procedures apply to less than 180-day accumulation areas.

Appendix B is the SOP that shall be used at all less than 180-day storage areas to ensure proper management of HW and other regulated waste.

## **10.0 Visiting Contractor HW Management**

Requirements in Appendix C are for contractors operating at NSWG FOUR (SSC) for projects expected to last less than one year. Contractors that operate at NSWG FOUR (SSC) for longer terms shall conform to all requirements of this HWMP.

## **11.0 Used Oil Management**

Used oil is any oil that has been refined from crude oil or any synthetic oil that has been used and as a result of such use is contaminated by physical or chemical impurities. Under most circumstances used oil may be properly managed under EPA used oil management standards detailed in 40 CFR Part 279, unless the used oil has been mixed with or otherwise contaminated by HW. Used oil that does not meet the used oil standard may be managed as HW.

The SOP that shall be used to ensure the proper management of used oil at NSWG FOUR (SSC) is provided in Appendix F.

## **12.0 Universal Waste**

EPA's UW regulations set forth in 40 CFR Part 273 streamline HW management standards by facilitating environmentally sound collection and proper recycling or treatment for batteries, pesticides, mercury-containing equipment and bulbs (lamps).

The SOP that shall be used to ensure the proper management of UW at NSWG FOUR (SSC) is provided in Appendix E.

**ATTACHMENT 1**  
**PRIMARY AND ALTERNATE EMERGENCY COORDINATOR**  
**CONTACT INFORMATION**

**ATTACHMENT 1**  
**PRIMARY AND ALTERNATE EMERGENCY COORDINATOR**  
**CONTACT INFORMATION**

**PRIMARY EMERGENCY COORDINATOR**

MR. JOHNNY FINCH  
SBT22  
2603 LOWER GAINESVILLE ROAD  
STENNIS SPACE CENTER, MS 39529  
228-813-4000, EXT 13903

**ALTERNATE EMERGENCY COORDINATOR**

LS1 NGUYEN, PHUONG  
NAVSCIATTS- SUPPLY DEPT  
2606 LOWER GAINESVILLE ROAD  
STENNIS SPACE CENTER, MS 39529  
WORK: 228-813-4000 X12325  
CELL: 832-444-4793

**ATTACHMENT 2**

**EXAMPLE - ENVIRONMENTAL COMPLIANCE COORDINATOR  
APPOINTMENT LETTER**

COMMANDING OFFICER NSW GROUP FOUR LETTER HEAD

XXX

XXX

DATE

From: Commanding Officer, Naval Special Warfare Group FOUR

To: Mr. XXXX, GS-XX Series Title

Subj: APPOINTMENT LETTER/JOB DESCRIPTION AS ENVIRONMENTAL  
COMPLIANCE COORDINATOR

Ref: (a) Title 40, Code of Federal Regulations, Part 260-265  
(b) OPNAVINST 5090.1 Series

1. You are hereby appointed as the Environmental Compliance Coordinator for {Insert Unit Title (SBT-22, NAVSCIATTS)}. As the Environmental Compliance Coordinator you are responsible for having the appropriate training and ensuring compliance with the "cradle to grave" provisions as a "generator of hazardous waste". Within this responsibility are the proper disposal, storage and overall hazardous waste management for your work center as specified by the Federal, State and local hazardous waste regulations, references (a) & (b) cited above, and Navy Environmental Policy, Guidance or Instructions. Your duties shall include but not limited to the following:

- a. Maintain records for the Hazardous Waste Program, letters of designation, personnel environmental training documentation, hazardous waste turn-in documents, storage area/tank inspection records, business plans, waste profile sheets, lab analysis, and copies of manifests or bill of lading. This documentation shall be maintained at the generator location for three years.
- b. Ensure storage/accumulation area is inspected weekly with adequate aisle space between rows of containers (2 feet minimum). Maintain at or near the waste storage/accumulation area sufficient spill control equipment able to absorb or contain the amounts and types of waste being stored and have available a properly functioning communication or alarm system to notify emergency personnel in case of injury, spills or releases.
- c. Ensure all hazardous waste and or recyclable materials are properly identified, labeled, containerized, segregated by hazard class and turned-in for proper hazardous waste disposal prior to the 90-day storage limit or other applicable waste storage limits.

- d. Ensure all containers are kept closed, with proper fitting lids bungs or caps, are in good condition with no severe rust or dents, and are compatible with the waste they contain. Ensure no accumulated waste or residues are on the tops of containers and that containers are stored properly from the property line. Flammables must be grounded during waste consolidation operations.
  - e. Attend formal or on-the-job training as provided by the Regional Environmental Department within six months from being appointed to the position with annual hazardous waste refresher training as required.
  - f. Ensure training is conducted for work center personnel on emergency procedures for spills or releases, spill clean-up, fire suppression and safety equipment and locations, waste/material storage and handling requirements or any other specific environmental requirements that apply to work area.
  - g. Notify emergency response personnel at 9-911, Environmental, Safety Departments and Navy On-scene Coordinator (NOSC) whenever there is a spill of any amount of hazardous waste/material or if any) hazardous waste tanks, or any other center changes that effect the hazardous waste program.
  - h. Conduct self-inspections to ensure compliance with all applicable Federal, State and local hazardous waste regulations, and Navy Environmental Policy, Guidance or Instructions.
2. Your designation shall remain in effect until relieved in writing by myself and shall be renewed upon change in command.

[Commanding Officer Signature Block]

**ATTACHMENT 3**

**EXAMPLE LETTER - HAZARDOUS WASTE MANIFEST SIGNATURE AUTHORITY**

### ATTACHMENT 3

#### EXAMPLE LETTER - HAZARDOUS WASTE MANIFEST SIGNATURE AUTHORITY

(Letterhead)/ Memo

Date

From: [insert CO name, unit]

To: [employee's names]

Subj: Authorization To Sign Hazardous Waste Manifests

Ref: (a) OPNAVINST 5090.1D

(b) Hazardous Waste Management Plan

Per references (a) and (b), you are hereby authorized to sign hazardous waste manifests, for NSWG FOUR at Stennis Space Center, Mississippi, effective [insert date].

This authorization shall remain in effect until revoked in writing. You will be required to complete any additional hazardous waste training that may be required to perform these duties prior to signing any hazardous waste manifest on behalf of NSWG FOUR. Your training will be provided by the NSWG FOUR Environmental Coordinator or designee and will be funded by NSWG FOUR. Additional information regarding training will be provided to you at a later date.

A copy of this authorization letter will be provided to the NSWG FOUR Environmental Division for its records.

# **Appendix A**

## **Satellite Accumulation Area Standard Operating Procedure**

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### Attachments:

- A-1 Environmental Compliance Coordinator Appointment Letter/Memo
- A-2 List of Satellite Accumulation Areas
- A-3 Satellite Accumulation Area Inspection Form
- A-4 Waste Container Log
- A-5 Sample Labels

## **1.0 Purpose**

The purpose of this Standard Operating Procedure (SOP) is to establish procedures for the proper management of waste in the Satellite Accumulation Areas (SAAs).

## **2.0 Responsibilities**

### **2.1 Environmental Compliance Coordinators shall:**

- a. Be familiar with this HWMP, maintain currency with training requirements, and manage waste accordingly.
- b. Ensure a copy of the letter or memorandum of designation from the Commanding Officer, Naval Special Warfare Command (NSW) is provided to the NSWG FOUR Environmental Coordinator. Attachment (A-1) is an example of the letter.
- c. Maintain NSWG FOUR (SSC) approved SAAs in accordance with this procedure. Attachment (A-2) is a list of approved SAAs.
- d. Ensure work center personnel comply with the requirements of this SOP.
- e. Annually review work processes and materials, inform NSWG FOUR (SSC) Environmental Coordinator of any changes.
- f. Ensure personnel are familiar with special management procedures for wastes generated in their work process.
- g. Provide process information, such as Safety Data Sheets (SDS), as requested.
- h. Train personnel to respond to small spills/leaks and assist with clean-up procedures.
- i. Contact SSC Fire Department when spills, leaks, and emergencies occur.
- j. Conduct weekly inspections of SAAs and document the inspections (Attachment A-3).
- k. Correct all discrepancies identified during any inspection.
- l. Maintain a Waste Container Log, Attachment (A-4), that documents the contents of each HW container.

## **2.2 Work Center Personnel shall:**

- a. Use HM carefully and sparingly.
- b. Be aware of procedures for handling leaking or damaged containers.
- c. Collect and immediately containerize waste.
- d. Keep containers closed except when adding waste.
- e. Properly segregate waste.
- f. Use only DOT approved containers to store waste.
- g. Properly manage used oil and used oil filters.
- h. Ensure good housekeeping of SAAs.

### 3.0 Satellite Accumulation Area Waste Management

SAA's are initial accumulation areas at or near the point of generation, under the control of the operator generating the waste, and where less than 55 gallons of HW or 1 quart of acute HW is accumulated at any one time. **The 55-gallon limit includes all HW but does not include Universal, non-regulated (non-RCRA) waste, and Used Oil.**

- a. It is strictly prohibited to dispose of any waste into any wastewater treatment system, storm drain, surface waters, or upon the land.
- b. Generators may have more than one SAA; however, each individual SAA shall be approved, have a unique identification number and signage posted that clearly delineates it as a SAA.
- c. HW Segregation is mandatory. Proper segregation prevents incompatible chemicals from mixing that could produce heat, pressure, fire, explosions, violent reactions, toxic dusts, mists and irritating or toxic fumes or gases.
- d. Utilize good housekeeping practices at all times.
- e. Maintain a waste container log for each container (Attachment A-3).

#### 3.1 Container Management

Containers shall be in good condition (minor surface rust or dents may be allowed) and compatible with the waste stored in them.

- a. Containers shall be properly closed and sealed except when adding waste. Drum with rings shall have the ring positioned with the bolt down and tightened.
- b. Containers that cannot be properly sealed shall:
  - Have the contents transferred to a proportionally sized container, or
  - With guidance from NSWG FOUR Environmental Coordinator, over-packed into an appropriate size container.
- c. There shall be no evidence of spills on the outside of containers including paint or blast dust.

## **3.2 Waste Segregation**

The list below provides general compatibility guidance.

### **3.2.1 Incompatible Waste**

Do **not** mix incompatible wastes:

- Do not place containers of unmixed two-part epoxy in the same container
- Do not mix organic material with corrosives
- Do not mix acids with bases
- Do not mix two different types of acids in the same container
- Do not mix paints with strippers
- Do not mix solids and liquids in the same container
- Do not mix paint debris (rags, brushes, rollers, etc.) with liquid paint
- Do not mix materials where uncertainty exists. Contact NSWG FOUR Environmental Coordinator for assistance

### **3.2.2 Compatible Waste**

A list of waste that may be mixed:

- Do combine like wastes where possible. Like waste means HM with the same National Stock Number, SDS number, or generated by the same process (such as solid paint debris).
- Do combine small containers of the same material into a larger container. NSWG FOUR Environmental Coordinator will provide direction to identify what may be combined.
- Do call NSWG FOUR Environmental Coordinator for assistance before combining materials if in doubt.

### **3.2.3 Drum Logs**

Document the contents of each container Attachment (A-3) on the drum log.

## **3.3 Container Labeling**

Properly label all containers using an indelible ink only.

### **3.3.1 Hazardous Waste Label**

Completed HW labels shall (example shown in Attachment A-5):

- a. Name the command generating the waste.
- b. Identify the contents of the container.

### **3.3.2 Universal Waste Label**

Completed UW labels shall (example shown in Attachment A-4):

- a. Name the command generating the waste.
- b. Identify the contents; the types of UW that may be stored are i.e. batteries, lamps, mercury containing equipment, and pesticides.
- c. Have the date the first waste was added to the container (accumulation start date) clearly marked.

**Safety Note:** Ensure batteries are segregated and containerized by type: Lithium, Magnesium, Mercury and Nickel Cadmium and all safety requirements for the type of batteries are met, i.e. tape both terminal (ends) and / or bag individual batteries.

### **3.3.3 Non Hazardous (Non-RCRA) Waste Label**

Non-Hazardous (Non-RCRA) regulated containers shall be labeled as Non-Hazardous or as Non-RCRA regulated waste (example shown in Attachment A-4).

### **3.3.4 Used Oil Label**

Label used oil containers with the words “Used Oil.”

## **3.4 Unknown Hazardous Material**

Notify the NSWG FOUR Environmental Coordinator when an unknown HM is discovered. An extensive effort shall be made to identify any unknown material before it is picked up for disposal.

## 4.0 Waste Turn-In

RCRA regulations (40 CFR 262.34(c)) require waste to be transferred from SAAs to the less than 180-day accumulation area when the 55-gallon SAA limit is reached or when a container is full, whichever occurs first.

To avoid potential for exceeding SAA limits, NSWG FOUR (SSC) policy is to schedule and complete transfer of waste well in advance of reaching the 55-gallon SAA limit. Contact the Environmental Compliance Coordinator or HW Handler to schedule the transfer of the waste.

### 4.1 Waste Turn-In Time Requirements

Containers of HW shall be transferred from the SAA to a less than 180-day storage area prior to exceeding the 55-gallon limit. If arrangements cannot be made, contact the NSWG FOUR Environmental Coordinator immediately.

In extenuating circumstances, HW exceeding the 55-gallon limit shall be transferred from the SAA to a less than 180-day storage area within three (3) calendar days of being filled or exceeding 55 gallons. In such case, it is important to mark the containers holding the excess accumulation with the date the excess amount began accumulating.

## 5.0 Empty Containers

A HM container is empty only after pouring, pumping, and/or scraping as defined below:

- a. To the maximum extent possible, pour all liquid HM into a properly labeled waste container. Do not allow liquids to dry in their original container.
- b. Place any rags used to wipe out containers in the appropriate waste container for solids.
- c. If dry or hardened HM is discovered in a container, scrape the hardened material out and place it in a properly labeled container for solids or place the entire container of completely cured material in a properly labeled container.

**Special note:** Empty aerosol cans are **NOT** empty containers unless they are punctured.

Manage aerosol cans as HW, keeping the cans in a labeled HW container until they are removed from your accumulation area and turned in as HW. Alternatively, store aerosol cans as HW in a properly labeled sealed container until they are turned in to be punctured.

## **6.0 Spills and Releases**

In the event of a spill, without endangering their own safety, only trained personnel shall attempt to stop and contain the spill. Immediately report all spills to the Fire Department by dialing 911 or by dialing 228-688-3636 from cell phones

**ATTACHMENT A-1**

**EXAMPLE ENVIRONMENTAL COMPLIANCE COORDINATOR  
APPOINTMENT LETTER/MEMO**

COMMANDING OFFICER NSW GROUP FOUR LETTER HEAD

XXX

XXX

DATE

From: Commanding Officer, Naval Special Warfare Group FOUR

To: Mr. XXXX, GS-XX Series Title

Subj: APPOINTMENT LETTER/JOB DESCRIPTION AS ENVIRONMENTAL  
COMPLIANCE COORDINATOR

Ref: (a) Title 40, Code of Federal Regulations, Part 260-265  
(b) OPNAVINST 5090.1 Series

1. You are hereby appointed as the Environmental Compliance Coordinator for {Insert Unit Title (SBT-22, NAVSCIATTS)}. As the Environmental Compliance Coordinator you are responsible for having the appropriate training and ensuring compliance with the "cradle to grave" provisions as a "generator of hazardous waste". Within this responsibility are the proper disposal, storage and overall hazardous waste management for your work center as specified by the Federal, State and local hazardous waste regulations, references (a) & (b) cited above, and Navy Environmental Policy, Guidance or Instructions. Your duties shall include but not limited to the following:

- a. Maintain records for the Hazardous Waste Program, letters of designation, personnel environmental training documentation, hazardous waste turn-in documents, storage area/tank inspection records, business plans, waste profile sheets, lab analysis, and copies of manifests or bill of lading. This documentation shall be maintained at the generator location for three years.
- b. Ensure storage/accumulation area is inspected weekly with adequate aisle space between rows of containers (2 feet minimum). Maintain at or near the waste storage/accumulation area sufficient spill control equipment able to absorb or contain the amounts and types of waste being stored and have available a properly functioning communication or alarm system to notify emergency personnel in case of injury, spills or releases.
- c. Ensure all hazardous waste and or recyclable materials are properly identified, labeled, containerized, segregated by hazard class and turned-in for proper hazardous waste disposal prior to the 90-day storage limit or other applicable waste storage limits.

- d. Ensure all containers are kept closed, with proper fitting lids bungs or caps, are in good condition with no severe rust or dents, and are compatible with the waste they contain. Ensure no accumulated waste or residues are on the tops of containers and that containers are stored properly from the property line. Flammables must be grounded during waste consolidation operations.
  - e. Attend formal or on-the-job training as provided by the Regional Environmental Department within six months from being appointed to the position with annual hazardous waste refresher training as required.
  - f. Ensure training is conducted for work center personnel on emergency procedures for spills or releases, spill clean-up, fire suppression and safety equipment and locations, waste/material storage and handling requirements or any other specific environmental requirements that apply to work area.
  - g. Notify emergency response personnel at 9-911, Environmental, Safety Departments and Navy On-scene Coordinator (NOSC) whenever there is a spill of any amount of hazardous waste/material or if any) hazardous waste tanks, or any other center changes that effect the hazardous waste program.
  - h. Conduct self-inspections to ensure compliance with all applicable Federal, State and local hazardous waste regulations, and Navy Environmental Policy, Guidance or Instructions.
2. Your designation shall remain in effect until relieved in writing by myself and shall be renewed upon change in command.

[Commanding Officer Signature Block]

**ATTACHMENT A-2**

**LIST OF APPROVED SATELLITE ACCUMULATION AREAS**

**NAVAL SPECIAL WARFARE GROUP FOUR, STENNIS SPACE CENTER, MISSISSIPPI**

**ATTACHMENT A-2 - LIST OF APPROVED SATELLITE ACCUMULATION AREAS FOR HAZARDOUS WASTE**

Activity	Building	Work Center/Shop	Accumulation Area	Common Name	Permissible HW Wastes in SAA	Clearly Label any Universal Waste, Used Oil, or Non-Regulated Wastes in SAA	Waste Coordinator POC
SBT-22	2600	CESE	SAA 1	SBT 2600 CESE	Aerosol Cans, Parts Washer Solvent, Parts Washer Filter Bag	Used Oil, Used Antifreeze, Oily Rags and Pads, Oily Granular absorbant, Scrap Metal, Empty Refrigerant cylinders, Crushed and Drained Fuel Filters	Name, Phone, E-mail
SBT-22	2600	Boat	SAA 2	SBT 2600 Boat	Aerosol Cans, Parts Washer Solvent, Parts Washer Filter Bag	Used Oil, Used Antifreeze, Oily Rags and Pads, Oily Granular absorbant, Scrap Metal, Crushed and Drained Fuel Filters	Name, Phone, E-mail
SBT-22	2600	Tire	SAA 3	SBT 2600 Tire	Aerosol Cans, Parts Washer Solvent, Parts Washer Filter Bag	Used Oil, Used Antifreeze, Oily Rags and Pads, Oily Granular absorbant, Scrap Metal, Empty Refrigerant cylinders, Used Tires, Crushed and Drained Fuel and oil Filters	Name, Phone, E-mail
SBT-22	2600	Battery	SAA 4	SBT 2600 Battery	Lithium/SO2 Batteries, Lead-Acid Batteries Spill cleanup debris	Recyclable Batteries	Name, Phone, E-mail
SBT-22	2600	Communications	SAA 5 (or direct to 180 day)	SBT 2600 Comms		Recyclable Batteries	Name, Phone, E-mail
SBT-22	2418	Hull Tech	SAA 6	SBT 2418 HT Shop	Aerosol Cans, Rags with Gravoxide,	Garnet Abrasive Grit, Used Hydraulic Fluid, Oily Rags and Pads, Scrap metal	Name, Phone, E-mail
SBT-22	2441	ROF Maintenance	SAA 7	SBT 2441 ROF Maint	Aerosol Cans, Weapons Cleaning Residue/Rags, Parts Washer Solvent, Parts Washer Filter, Lithium/SO2 Batteries	Oily Rags and Pads, Oily Granular absorbant, Scrap Metal, Empty Refrigerant cylinders, Crushed and Drained Fuel Filters	Name, Phone, E-mail
SBT-22	2602	Armory	SAA 85	SBT 2602 Armory	Aerosol Cans, Weapons Cleaning Residue/Rags, Parts Washer Solvent, Parts Washer Filter		Name, Phone, E-mail
SBT-22	9516	Weapons Warehouse	SAA 9	SBT 9516 Warehouse	Aerosol Cans	Oily Rags and Pads, Floor Sweepings, Scrap Metal/Brass	Name, Phone, E-mail

**NAVAL SPECIAL WARFARE GROUP FOUR, STENNIS SPACE CENTER, MISSISSIPPI**

**ATTACHMENT A-2 - LIST OF APPROVED SATELLITE ACCUMULATION AREAS FOR HAZARDOUS WASTE**

Activity	Building	Work Center/Shop	Accumulation Area	Common Name	Permissible HW Wastes in SAA	Clearly Label any Universal Waste, Used Oil, or Non-Regulated Wastes in SAA	Waste Coordinator POC
NAVSCIATTS	2605D	Armory	SAA 10	SCIATTS 2605D Armory	Aerosol Cans, Weapons Cleaning Residue/Rags, Parts Washer Solvent, Parts Washer Filter		Name, Phone, E-mail
NAVSCIATTS	9358	P.E.B. Boat Maintenance	SAA 11	SCIATTS 9358 PEB	Aerosol Cans, HW Expired Shelf Life Materials	Used Oil, Oily Rags and Pads, Oily Granular absorbant, Scrap Metal, Crushed and Drained Fuel Filters, Lead Acid Batteries	Name, Phone, E-mail
NAVSCIATTS	2606	Maintenance	SAA 12	SCIATTS 2606 Maint	Aerosol Cans, HW Expired Shelf Life Materials	Used Oil, Used Antifreeze, Parts Washer Solvent, Bag and Abrasive Media from Vacuum System, Oily Rags and Pads, Oily Granular absorbant, Scrap Metal, Crushed and Drained Fuel and oil Filters, Empty Refrigerant cylinders, Lead Acid Batteries, Used Tires	Name, Phone, E-mail
NAVSCIATTS	2606	Training	SAA 13	SCIATTS 2606 Training	Aerosol Cans, HW Expired Shelf Life Materials, Off-Specification Gasoline	Paint booth filters, Paint solids and debris, Off-Specification Diesel, Scrap Metal, Used Oil, Oily Rags and Pads	Name, Phone, E-mail
NAVSCIATTS	SHED	Recreation	SAA 14	SCIATTS RECR	Aerosol Cans		Name, Phone, E-mail
DET STENNIS	FIELD SHOP	Small Arms Range	SAA 15	DET STENNIS SAR FIELD SHOP	Aerosol Cans	RCRA Empty Containers, Recyclable Batteries, Lead Acid Batteries, Used Oil, Oily Rags and Pads, Used Antifreeze, Solidified polyurethane pour foam, Paint solids and debris, Match house floor sweepings, Scrap Metal	Name, Phone, E-mail
DET STENNIS	2617	Portable Armory	SAA 16	DET STENNIS 2617 Armory	Aerosol Cans, Weapons Cleaning Residue/Rags, Parts Washer Solvent, Parts Washer Filter		Name, Phone, E-mail
DET STENNIS	2417	Cadre SCS	SAA 17 or Direct to AST in SBT-22 180-Day Area	DET STENNIS 2417 Cadre SCS	Aerosol Cans, Off-Specification Gasoline	Oily Rags and Pads, Off-Specification Diesel	Name, Phone, E-mail

**ATTACHMENT A-3**

**SATELLITE ACCUMULATION AREA INSPECTION FORM**

**NAVAL SPECIAL WARFARE GROUP FOUR, STENNIS SPACE CENTER, MISSISSIPPI**

**Attachment A-3**

**Satellite Hazardous Waste Accumulation Area Inspection Sheet Example**

SAA No./Location: \_\_\_\_\_ No. of Containers: \_\_\_\_\_

Inspected by: \_\_\_\_\_ Date: \_\_\_\_\_

<b>SAA and Hazardous Waste Containers</b>		
	<b>Yes</b>	<b>No</b>
Is the SAA located at or near point where waste is generated?		
Is the SAA Identified by signage or Floor Markings (or other)?		
Are HW drums or containers labeled with a Hazardous Waste Label?		
Is HW in containers properly segregated?		
Are waste stream documentation forms available on site?		
Are all containers in good condition?		
Are all Containers closed with locking ring and/or bolts or bungs or other acceptable method?		
Is there less than 55 gallons of Hazardous Waste and/or 1 quart of Acute Hazardous Waste in this SAA?		
Is the accumulation start date on label when 55-gallon and/or 1 quart limit of Hazardous Waste is reached.		
If present, are Universal Waste containers marked with the Accumulation Start Date?		
Are adequate spill response materials available		
If any of these questions was marked "No," provide comments:		
Describe actions taken to correct situation (include date of action):		
Signature (Inspector):		

**ATTACHMENT A-4**  
**WASTE CONTAINER LOG**



**ATTACHMENT A-5**

**SAMPLE LABELS**

**HAZARDOUS  
WASTE**

**FEDERAL LAW PROHIBITS IMPROPER DISPOSAL**

IF FOUND, CONTACT THE NEAREST POLICE, OR PUBLIC SAFETY  
AUTHORITY, OR THE U.S. ENVIRONMENTAL PROTECTION AGENCY.

PROPER D.O.T. SHIPPING NAME \_\_\_\_\_ U.N. OR N.A. NO. \_\_\_\_\_

GENERATOR NAME **Naval Special Warfare Group FOUR**

ADDRESS **2603 Lower Gainesville Road**

CITY **STENNIS SPACE CENTER, MS** STATE \_\_\_\_\_

MANIFEST DOCUMENT NO. \_\_\_\_\_ ACCUMULATION START DATE \_\_\_\_\_

E.P.A. I.D. NO. **Enter ID No.** E.P.A. WASTE NO. \_\_\_\_\_

**HAZARDOUS WASTE  
HANDLE WITH CARE**

29-HML Published By: J.J. KELLER & ASSOCIATES, INC.  
Neenah, Wisconsin 54956 • (414) 722-2948

**BASE HAZARDOUS WASTE LABEL (YELLOW)**

# NON- HAZARDOUS Waste

## OPTIONAL INFORMATION

SHIPPER Naval Special Warfare Group FOUR

ADDRESS 2603 Lower Gainesville

CITY, STATE, ZIP STENNIS SPACE CENTER, MS

CONTENTS Latex paint

# NON-HAZARDOUS WASTE

Lab Safety Supply Inc., Janesville WI 53547-1368

Reorder 478

BASE NONHAZARDOUS WASTE LABEL (GREEN)

# UNIVERSAL WASTE

CONTENTS Lead-Acid Batteries

ACCUMULATION START DATE \_\_\_\_\_

SHIPPER Naval Special Warfare Group FOUR  
ADDRESS 2603 Lower Gainesville

CITY, STATE, ZIP STENNIS SPACE CENTER, MS 39529

Lab Safety Supply Inc.

Reorder No. 42109

**BASE UNIVERSAL WASTE LABEL**

## **Appendix B**

### **Less than 180-Day Storage Area Standard Operating Procedure**

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### **Attachments:**

- B-1 Hazardous Waste Generation Log
- B-2 List of Waste Streams
- B-3 Less than 180-day Hazardous Waste Accumulation Area Inspection Sheet
- B-4 Example Manifest with Instructions
- B-5 Emergency Contacts Telephone Posting

## **1.0 Purpose**

NSWG FOUR is a small quantity generator (SQG) of hazardous waste (HW). SQGs may accumulate hazardous waste on site for 180 days or less in areas that are commonly referred to as “less than 180-day areas”, “180-day accumulation areas”, or simply “180-day areas”

The purpose of this Standard Operating Procedure (SOP) is to establish procedures for the proper management of waste in 180-day areas.

## **2.0 Waste Management**

HW initially stored in SAAs shall be transferred to a 180-day area. HW may not be transferred between SAAs.

- a. Containers shall be delivered to the 180-day area in a government / contractor vehicle; under no circumstance shall waste be placed in a private vehicle.
- b. HW shall not be stored for more than 180-days in these areas.
- c. The total amount of HW accumulated on site should never exceed 13,200 lbs.

### **2.1 Waste Received Into a 180-day area**

Waste transferred to a 180-day area shall be labeled as identified and described in Section 5.0 of this SOP. Sample labels are found in Attachment A-4, and a current list of waste streams is presented in Attachment B-2. Each container shall be accompanied by a Hazardous Waste Profile sheet.

#### **2.1.1 Waste Receipt Documentation**

The 180-day area staff may open and inspect the contents of each container. If the contents do not match the information on the label, the generating unit Environmental Compliance Coordinator shall immediately correct all discrepancies.

The 180-day area staff shall annotate the following information on the “Container Turn-in and Shipment Log”, (Attachment B-1) when a container is received into the 180-day area.

- 1) The drum number including Julian date (the current year and the number of days since the beginning of the year. For example, January 1, 2008 is represented as 2008001 and December 31, 2008 is represented as 2008365. Note that this format is not based on the Julian calendar). Alternative local tracking numbers may also be used.
- 2) The receipt date
- 3) Activity Name
- 4) Contents
- 5) USEPA Waste Codes
- 6) UN/NA Number
- 7) Quantity (volume or weight)
- 8) HW documentation number

### 3.0 Management of Waste in 180-day areas

HW shall be accumulated for less than 180 days. This time limit does not apply to Universal waste, non regulated (non-RCRA) waste or Used Oil. 180-day areas shall:

- a. Have access controlled at all times (lock area except when the staff is present).
- b. Have weather resistant signs posted and clearly visible from a distance of 50 feet on all exterior sides of the area stating

**"NO SMOKING WITHIN 50 FEET"**

- c. Have weather resistant signs posted and clearly visible from a distance of 25 feet reading

**"DANGER - UNAUTHORIZED PERSONNEL KEEP OUT" and**

**"HAZARDOUS WASTE STORAGE AREA"**

- d. Have sufficient aisle space (30 to 36 inches) around containers or pallets to allow for the unobstructed movement of personnel for fire protection, spill control and access to decontamination equipment.
- e. Position each container so that the label is clearly visible when approaching the containers for inspection.
- f. Have containers stored so they may be accessed directly, i.e. nothing stored in front of the containers.
- g. Separate incompatible waste using berms, dikes, spill pallets, or other means to prevent incompatible materials from coming into contact in the event of a spill.
- h. Stack drums no more than two high; double stacking will be per pallet design and capacity, but no more than four drums per pallet.
- i. Have a fire extinguisher and an eyewash station positioned so that it is immediately accessible in an area that would not be affected by a spill. Both the fire extinguisher and the eyewash station shall be inspected monthly and the inspection sheets maintained for three (3) years.
- j. An internal communication device (telephone or two-way radio) capable of summoning emergency assistance is required.

- k. A spill kit and equipment shall be maintained and
  - 1) Be clearly marked as "HW/HM SPILL KIT"
  - 2) Located in an accessible area near the storage area
  - 3) Contain material and equipment necessary to contain and clean up spills, i.e., non-sparking shovel and dust pan
  - 4) Contain absorbent material that is compatible with the waste stored in the 180-day area
  - 5) Be stocked with enough container(s) and label(s) to properly clean up a spill and the debris thereof
  - 6) Contain Personnel Protective Equipment (PPE) including gloves, face shields, rubber boots, etc.
- l. Although not required by EPA or MDEQ for SQGs, a HW Contingency Plan has been developed as a best management practice and complies with the OPNAV 5090.1D requirement to address HW emergency response procedures. This plan specifically address 180-day areas and a copy should be maintained at each 180-day area. The Contingency Plan includes:
  - 1) The name and phone number of the Emergency Coordinators
  - 2) A list of emergency equipment and its location
  - 3) An Evacuation Plan
- m. The contingency plan must be immediately reviewed and amended whenever:
  - 1) There is a revision of applicable regulations
  - 2) The plan fails in an emergency
  - 3) The facility changes (i.e., its design, its emergency equipment or any other changes that increase the potential for fires, explosions or releases of HW)
  - 4) The Emergency Coordinator changes
- n. In the event of a spill to the environment, trained personnel shall make every attempt to stop and contain the spill without endangering their own safety.
- o. Immediately report all spills to the Fire Department.

### **3.1 Unknown waste**

A container of unknown waste may be stored in 180-day area until it is properly identified or the 180-day limit is reached; whichever occurs first. Label the container with the words “Potentially Hazardous Waste Pending Analysis”, and annotate the date the waste was found. Once a waste determination is completed, the container may be relabeled as required. Unknown waste shall be stored as HW and away from potentially incompatible waste.

## **4.0 Container Management**

All containers shall be DOT approved, in good condition (only minor rust or dents) and compatible with the material stored in them.

- a. Containers shall be closed at all times except when adding and removing waste. Containers that do not close shall:
  - 1) Have the contents transferred to an appropriately sized container OR
  - 2) Be over packed in an appropriately sized container.
- b. Drums with rings shall have the rings properly positioned with the bolt down and tight.

### **4.1 Transfers between NSWG FOUR (SSC) 180-day areas**

Transfers of HW between NSWG FOUR (SSC) 180-day areas may be made without DOT requirements for labeling, packaging, marking and manifesting. No transfers are permitted between SAAs.

### **4.2 Empty Drums**

All empty drums shall be stored upside down to indicate they are empty. The number of empty containers should be limited to a small supply for issue and spares required for spill cleanup.

### **4.3 Container Labeling**

Properly complete each label using indelible ink.

### **4.3.1 Hazardous Waste Containers**

HW containers shall be labeled with the following (example shown in Attachment A-4)

At a minimum the words “Hazardous Waste”, the contents of the container, and the accumulation date, and;

- a. the preprinted regulatory required warning,
- b. name and address of the Installation,
- c. name of the Generating Unit,
- d. USEPA Generator ID Number,
- e. complete proper shipping name and description, and
- f. USEPA Waste Codes.

### **4.3.2 Universal Waste Containers**

Label UW containers as shown in Attachment A-4:

- a. Identify the command generating the waste.
- b. Identify the contents of the container. The types of UW that may be accumulated include: batteries, lamps, mercury containing equipment.
- c. Annotate the label with the date the first waste is placed into the container.

Safety Note: Ensure batteries are segregated and containerized by type: Lithium, Magnesium, Mercury and Nickel Cadmium and that all safety requirements for each type of battery are met (i.e. tape both terminals (ends) and / or bag each individual battery).

### **4.3.3 Non-hazardous (Non-RCRA) Containers**

Labeled as non-regulated waste and identify the contents of the container.

### **4.3.4 Used Oil Containers**

Label used oil containers with the words “Used Oil”.

## **5.0 Inspections**

The 180-day area shall be inspected, at a minimum, once a week using the inspection sheet shown in Attachment B-3. The inspection sheet shall be retained for a minimum of three years.

## **6.0 Transfer of Hazardous Waste**

Hazardous waste may be transferred between NSWG FOUR (SSC) 180-day areas on site. Hazardous waste may also be transferred off site from 180-day areas to off-site RCRA-permitted TSDFs. Hazardous waste may not be transferred between SAAs.

### **6.1 Transfers between NSWG FOUR 180-day areas**

DOT requirements for labeling, packaging, marking and manifesting do NOT apply to HW transferred between 180-day areas located aboard the Installation.

### **6.2 Off-Site Waste Shipment from 180-Day area**

#### **6.2.1 Preparation for Off-Site Shipment**

An inventory is maintained and used to determine when an off-site shipment is needed. When a shipment is needed, the HW manager prepares the required documents to initiate a shipment. All constituents of the waste should be documented to the best of the generator's knowledge. Relevant MSDSs, lab analytical data, and process knowledge information should also be provided. FOSC Environmental may be contacted to obtain assistance with waste stream determination as well as timelines for offsite waste shipments. Waste shall remain at the 180-Day area and the transport contractor will pick up from that location.

If waste disposal is arranged through DLA-D, the process is as follows:

- a. Identify the correct funding source for each container, and include the DODAAC on the DD1348-1A.
- b. Provide DLA-D a DD-1348-1A for the waste to be transported off site; ensure all required information is provided
- c. Provide DLA-D a waste profile for each type of waste transported off site. If the waste profile was provided for a previous shipment it may be referenced on the DD-1348-1A
- d. DLA-D shall provide a delivery order listing the waste to be picked up, the Contract Line Item Number (CLIN) and the cost for each container

- e. DLA-D will, when authorized by the contracting officer or their representative, contact the disposal contractor and make arrangement for the transportation of the waste off site
- f. DLA-D will ensure the transporter is licensed and has an up to date Security Plan
- g. DLA-D will ensure the disposal facility is properly permitted and in good standing with the regulating agency
- h. The HW disposal contractor may choose to be on site the day before the shipment to review the paperwork and inspect the containers

### **6.2.2 Off Site Shipment Oversight**

The Environmental Compliance Coordinator shall be present for each pick-up of waste. On the day of the pickup or delivery the Environmental Compliance Coordinator shall:

- a. Ensure the containers are staged for pickup
- b. Ensure containers are properly labeled and ready for transport to a permitted HWSF or Recycler
- c. Ensure containers are closed in accordance with Manufacturers' closure requirements
- d. Maintain a log documenting the closure procedures used for each container in accordance with each manufacturer's closure requirements
- e. Ensure a DD-1348-1A for the waste is completed
- f. The Environmental Compliance Coordinator shall also:
  - Ensure the transporter has a DOT security plan
  - Ensure the truck driver is properly licensed as a HW transporter including HM driver license endorsement
  - Verify the transporter's number is current
  - Inspect the transporter's truck before loading
  - Ensure the contractor properly loads and braces the containers
  - Offer placards and ensure the proper placarding of the contractor vehicle(s) in accordance with DOT regulations
  - The waste may be inspected at the time of the pick-up; all discrepancies shall be immediately corrected.

### **6.2.3 Manifest**

Each off-site shipment of HW will be accompanied by a manifest, USEPA form 8700-22.

- a. Only personnel designated by the Executive Officer shall sign the HW manifest, normally this is the Environmental Compliance Coordinator.
- b. The manifest shall be complete and accurate.
- c. All copies of the manifest shall be legible. A HW manifest and instructions on how to complete the manifest are found in Attachment B-4.
- d. When applicable, Land Disposal Restriction Notification Forms shall accompany the manifest as part of the shipping papers.

#### **6.2.3.1 Manifest Copy Distribution**

The generator's copy of the manifest shall be retained pending receipt of the copy of the manifest hand signed by the owner or operator of the designated TSD facility that received the HW.

If the hand signed manifest is not received within 35 days of shipment, the Environmental Coordinator shall contact the designated facility to determine the status of the waste.

#### **6.2.3.2 Exception Reports**

If the signed manifest is not received within 45 days, an exception report shall be filed with the state. The exception report must include:

- a. A cover letter explaining the efforts made to locate the HW shipment and the results of those efforts.
- b. A legible copy of the manifest.

#### **6.2.3.3 Certificates of Disposal or Recycling**

The HW Manager shall ensure a Certificate of Disposal or Recycling is received from the designated facility for all waste shipped off site.

- a. If the certificate is not received, contact the designated facility for the certification.
- b. A certificate of disposal or recycling is required for the containers themselves.

#### **6.2.3.4 Manifest Recordkeeping**

All HW records including manifests shall be kept for a minimum of three years and archived thereafter for the life of the Installation.

**ATTACHMENT B-1**

**HAZARDOUS WASTE GENERATION LOG**



**ATTACHMENT B-2**  
**LIST OF WASTE STREAMS**

**NAVAL SPECIAL WARFARE GROUP FOUR, STENNIS SPACE CENTER, MISSISSIPPI**

**ATTACHMENT B-2 LIST OF WASTE STREAMS**

<b>Activity</b>	<b>Building</b>	<b>Work Center/Shop</b>	<b>Waste Stream Name</b>
SBT-22	2600	CESE	Used Oil
SBT-22	2600	CESE	Used Antifreeze
SBT-22	2600	CESE	Parts Washer Solvent
SBT-22	2600	CESE	Parts Washer Filter Bag
SBT-22	2600	CESE	Oily Rags and Pads
SBT-22	2600	CESE	Oily Granular absorbant
SBT-22	2600	CESE	Scrap Metal
SBT-22	2600	CESE	Empty Refrigerant cylinders
SBT-22	2600	CESE	Crushed and Drained Fuel Filters
SBT-22	2600	CESE	Aerosol Cans
SBT-22	2600	Facilities	Expired Shelf Life Materials
SBT-22	2600	Facilities	Spent Fluorescent Lamps
SBT-22	2600	Facilities	RCRA Empty Containers
SBT-22	2600	Facilities	Oil Water Separator Pumpout
SBT-22	2600	Boat	Used Oil
SBT-22	2600	Boat	Used Antifreeze
SBT-22	2600	Boat	Parts Washer Solvent
SBT-22	2600	Boat	Parts Washer Filter Bag
SBT-22	2600	Boat	Oily Rags and Pads
SBT-22	2600	Boat	Oily Granular absorbant
SBT-22	2600	Boat	Scrap Metal
SBT-22	2600	Boat	Aerosol Cans
SBT-22	2600	Boat	Off-Specification Diesel
SBT-22	2600	Boat	Off-Specification Gasoline
SBT-22	2600	Battery	Lead Acid Batteries
SBT-22	2600	Battery	Spill cleanup debris
SBT-22	2600	Communications	Lithium/SO2 Batteries
SBT-22	2600	Communications	Recyclable Batteries
SBT-22	2600	Tire	Oily Rags and Pads
SBT-22	2600	Tire	Scrap Metal
SBT-22	2600	Tire	Used Tires
SBT-22	2600	Tire	Crushed and Drained Fuel Filters
SBT-22	2600	Tire	Crushed and Drained Oil Filters
SBT-22	2600	Tire	Aerosol Cans
SBT-22	2600	Tire	Parts Washer Solvent
SBT-22	2600	Tire	Parts Washer Filter Bag
SBT-22	2418	Hull Tech	Wastewater from Water Jet Unit
SBT-22	2418	Hull Tech	Water Jet Abrasive Grit - Garnet
SBT-22	2418	Hull Tech	Rags with Gravoxide, IPA, Laser Marking Spray
SBT-22	2418	Hull Tech	Abrasive Blast Media - Garnet
SBT-22	2418	Hull Tech	Used Hydraulic Shear Fluid
SBT-22	2418	Hull Tech	Oily Rags and Pads
SBT-22	2418	Hull Tech	Aerosol Cans
SBT-22	2418	Hull Tech	Scrap Metal
SBT-22	2418	Washrack	Spent Aqueous Detergent Solution
SBT-22	2418	Washrack	Sludge
SBT-22	2418	Washrack	Oily Skimmer Residue
SBT-22	2418	Washrack	Filters
SBT-22	2441	ROF Maintenance	Aerosol Cans
SBT-22	2441	ROF Maintenance	Parts Washer Solvent

NAVAL SPECIAL WARFARE GROUP FOUR, STENNIS SPACE CENTER, MISSISSIPPI

ATTACHMENT B-2 LIST OF WASTE STREAMS

Activity	Building	Work Center/Shop	Waste Stream Name
SBT-22	2441	ROF Maintenance	Lithium/SO2 Batteries
SBT-22	2441	ROF Maintenance	Oily Rags and Pads
SBT-22	2441	ROF Maintenance	Oil Water Separator Pumpout
SBT-22	2441	ROF Maintenance	Parts Washer Solvent
SBT-22	2441	ROF Maintenance	Parts Washer Filter
SBT-22	2441	ROF Maintenance	Weapons Cleaning Residue/Rags
SBT-22	9516	Weapons Warehouse	Aerosol Cans
SBT-22	9516	Weapons Warehouse	Scrap Metal
SBT-22	9516	Weapons Warehouse	Oily Rags and Pads
SBT-22	9516	Weapons Warehouse	Floor Sweepings

**NAVAL SPECIAL WARFARE GROUP FOUR, STENNIS SPACE CENTER, MISSISSIPPI**

**ATTACHMENT B-2 LIST OF WASTE STREAMS**

<b>Activity</b>	<b>Building</b>	<b>Work Center/Shop</b>	<b>Waste Stream Name</b>
NAVSCIATTS	2605D	Armory	Aerosol Cans
NAVSCIATTS	2605D	Armory	Parts Washer Solvent
NAVSCIATTS	2605D	Armory	Parts Washer Filter
NAVSCIATTS	2605D	Armory	Weapons Cleaning Residue/Rags
NAVSCIATTS	9358	P.E.B. Boat Maintenance	Used Oil
NAVSCIATTS	9358	P.E.B. Boat Maintenance	Crushed and Drained Fuel Filters
NAVSCIATTS	9358	P.E.B. Boat Maintenance	Crushed and Drained Oil Filters
NAVSCIATTS	9358	P.E.B. Boat Maintenance	Oily Rags and Pads
NAVSCIATTS	9358	P.E.B. Boat Maintenance	Lead Acid Batteries
NAVSCIATTS	9358	P.E.B. Boat Maintenance	Scrap Metal
NAVSCIATTS	2606	Maintenance	Expired Shelf Life Materials
NAVSCIATTS	2606	Maintenance	Scrap Metal
NAVSCIATTS	2606	Maintenance	Empty Refrigerant cylinders
NAVSCIATTS	2606	Maintenance	Lead Acid Batteries
NAVSCIATTS	2606	Maintenance	Used Oil
NAVSCIATTS	2606	Maintenance	Used Antifreeze
NAVSCIATTS	2606	Maintenance	Parts Washer Solvent
NAVSCIATTS	2606	Maintenance	Bag and Abrasive Media from Vacuum System
NAVSCIATTS	2606	Maintenance	Abrasive Blast Media - Bicarbonate
NAVSCIATTS	2606	Maintenance	Parts Washer Filter
NAVSCIATTS	2606	Maintenance	Oily Rags and Pads
NAVSCIATTS	2606	Maintenance	Oily Granular absorbant
NAVSCIATTS	2606	Maintenance	Crushed and Drained Fuel Filters
NAVSCIATTS	2606	Maintenance	Crushed and Drained Oil Filters
NAVSCIATTS	2606	Maintenance	Aerosol Cans
NAVSCIATTS	2606	Maintenance	Used Tires
NAVSCIATTS	2606	Facilities	Empty Herbicide Containers
NAVSCIATTS	2606	Facilities	RCRA Empty Containers
NAVSCIATTS	2606	Facilities	Oil Water Separator Pumpout
NAVSCIATTS	2606	Facilities	Spent Fluorescent Lamps
NAVSCIATTS	2606	Training	Paint booth filters
NAVSCIATTS	2606	Training	Paint solids and debris
NAVSCIATTS	2606	Training	Off-Specification Diesel
NAVSCIATTS	2606	Training	Off-Specification Gasoline
NAVSCIATTS	2606	Training	Scrap Metal
NAVSCIATTS	2606	Training	Used Oil
NAVSCIATTS	2606	Training	Oily Rags and Pads
NAVSCIATTS	SHED	Recreation	Aerosol Cans
NAVSCIATTS	2104	Communications	Recyclable Batteries
NAVSCIATTS	2104	Communications	Rags with IPA

**NAVAL SPECIAL WARFARE GROUP FOUR, STENNIS SPACE CENTER, MISSISSIPPI**

**ATTACHMENT B-2 LIST OF WASTE STREAMS**

<b>Activity</b>	<b>Building</b>	<b>Work Center/Shop</b>	<b>Waste Stream Name</b>
DET STENNIS	RANGE	Small Arms Range	Match House Floor Sweepings and Debris
DET STENNIS	RANGE	Small Arms Range	Range Targets
DET STENNIS	RANGE	Small Arms Range	Impacted Soil from Range Cleanup
DET STENNIS	RANGE	Small Arms Range	Recyclable Metal from Range Cleanup
DET STENNIS	FIELD SHOP	Small Arms Range	RCRA Empty Containers
DET STENNIS	FIELD SHOP	Small Arms Range	Recyclable Batteries
DET STENNIS	FIELD SHOP	Small Arms Range	Lead Acid Batteries
DET STENNIS	FIELD SHOP	Small Arms Range	Used Oil
DET STENNIS	FIELD SHOP	Small Arms Range	Aerosol Cans
DET STENNIS	FIELD SHOP	Small Arms Range	Oily Rags and Pads
DET STENNIS	FIELD SHOP	Small Arms Range	Used Antifreeze
DET STENNIS	FIELD SHOP	Small Arms Range	Solidified polyurethane pour foam
DET STENNIS	FIELD SHOP	Small Arms Range	Paint solids and debris
DET STENNIS	FIELD SHOP	Small Arms Range	Scrap Metal
DET STENNIS	2602	Armory	Parts Washer Solvent
DET STENNIS	2602	Armory	Parts Washer Filter
DET STENNIS	2602	Armory	Weapons Cleaning Residue/Rags
DET STENNIS	2602	Armory	Aerosol Cans
DET STENNIS	2617	Portable Armory	Parts Washer Solvent
DET STENNIS	2617	Portable Armory	Parts Washer Filter
DET STENNIS	2617	Portable Armory	Weapons Cleaning Residue/Rags
DET STENNIS	2617	Portable Armory	Aerosol Cans
DET STENNIS	2417	Cadre SCS	Oily Rags and Pads
DET STENNIS	2417	Cadre SCS	Aerosol Cans
DET STENNIS	2417	Cadre SCS	Off-Specification Diesel
DET STENNIS	2417	Cadre SCS	Off-Specification Gasoline
DET STENNIS	2600	Facilities	Spent Fluorescent Lamps

**ATTACHMENT B-3**  
**180-DAY HAZARDOUS WASTE ACCUMULATION AREA**  
**INSPECTION SHEET**

NAVAL SPECIAL WARFARE GROUP FOUR, STENNIS SPACE CENTER, MISSISSIPPI

Attachment B-3

180-day Hazardous Waste Accumulation Area Inspection Sheet

Accumulation Point No./Location: \_\_\_\_\_

No. of Containers: \_\_\_\_\_

Inspected by: \_\_\_\_\_ Date: \_\_\_\_\_

Hazardous Waste Containers			
		Yes	No
Container Condition	Are all wastes compatible with their containers ?		
	Are any containers open?		
	Are all containers properly sealed?		
	Are any containers severely rusted?		
	Are any container heads bulging?		
	Are any containers leaking?		
Container Marking	Is the accumulation start date marked on all HW container(s)		
	Is the HW warning label with EPA waste codes on all HW container(s)		
	Is the waste description marked on container(s)		
The oldest accumulation start date for a HW Container is _____. Is it less than 180 days?			
The oldest accumulation start date for a UW Container is _____. Is it less than 1 year?			
Insert comments for any discrepancies:			
Describe actions taken to correct situation (include date of action):			
Accumulation Point			
		Yes	No
Is the correct warning notifications/signage posted and visible ?			
Is the area secured?			
Is the accumulation point free of severe structural deterioration?			
Are all wastes properly segregated by hazard class?			
Are all labels readily visible without a requirement to move drums?			
Are empty containers properly stored?			
Is the area neat and clean, with adequate aisle space between drums to allow unobstructed movement for emergency response?			
If any of these questions was marked "No," provide comments:			
Describe actions taken to correct situation (include date of action):			
Emergency Response			
		Yes	No
Communications	Is a working telephone easily accessible in case of emergency?		
	Are Emergency Contacts, Response, and Notification Information and Requirements Posted?		
Spill Control	Is an empty salvage drum nearby?		
	Is unused absorbent material nearby?		
	Is all personal protective equipment nearby?		
Fire Protection	Is a fire extinguisher readily accessible?		
	Is the fire extinguisher fully, charged?		
	Is the fire extinguisher seal intact?		
If any of these questions was marked "No," provide comments:			
Describe actions taken to correct situation (include date of action):			
Signature (Inspector):			

**ATTACHMENT B-4**

**EXAMPLE MANIFEST WITH INSTRUCTIONS**

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number		
5. Generator's Name and Mailing Address			Generator's Site Address (if different than mailing address)				
Generator's Phone:							
6. Transporter 1 Company Name				U.S. EPA ID Number			
7. Transporter 2 Company Name				U.S. EPA ID Number			
8. Designated Facility Name and Site Address				U.S. EPA ID Number			
Facility's Phone:							
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
		No.	Type				
1.							
2.							
3.							
4.							
14. Special Handling Instructions and Additional Information							
15. <b>GENERATOR'S/OFFEROR'S CERTIFICATION:</b> I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offelor's Printed/Typed Name			Signature		Month	Day	Year
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Transporter signature (for exports only): _____ Date leaving U.S.: _____							
17. Transporter Acknowledgment of Receipt of Materials							
Transporter 1 Printed/Typed Name			Signature		Month	Day	Year
Transporter 2 Printed/Typed Name			Signature		Month	Day	Year
18. Discrepancy							
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
Manifest Reference Number: _____							
18b. Alternate Facility (or Generator)					U.S. EPA ID Number		
Facility's Phone:							
18c. Signature of Alternate Facility (or Generator)					Month	Day	Year
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1.	2.	3.	4.				
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name			Signature		Month	Day	Year



## **Instructions for Completing the Hazardous Waste Manifest**

### **What are the instructions for completing the manifest form (EPA Form 8700-22)?**

Read all instructions before completing the form.

1. The form has been designed for use on a 12-pitch (elite) typewriter which is also compatible with standard computer printers; a firm point pen may also be used—press down hard.
2. Federal regulations require generators and transporters of hazardous waste and owners or operators of hazardous waste treatment, storage, and disposal facilities to complete the manifest form (EPA Form 8700–22) and, if necessary, the continuation sheet (EPA Form 8700–22A) for both inter- and intrastate transportation of hazardous waste.

### **I. Instructions for Generators**

#### *Item 1. Generator's U.S. EPA Identification Number*

Enter the generator's U.S. EPA twelve-digit identification number, or the state generator identification number if the generator site does not have an EPA identification number.

#### *Item 2. Page 1 of \_\_\_\_*

Enter the total number of pages used to complete the manifest (*i.e.*, the first page (EPA Form 8700-22) plus the number of continuation sheets (EPA Form 8700-22A), if any).

#### *Item 3. Emergency Response Phone Number*

Enter a phone number for which emergency response information can be obtained in the event of an incident during transportation. The emergency response phone number must:

1. Be the number of the generator or the number of an agency or organization who is capable of and accepts responsibility for providing detailed information about the shipment;
2. Reach a phone that is monitored 24 hours a day at all times the waste is in transportation (including transportation related storage); and
3. Reach someone who is either knowledgeable of the hazardous waste being shipped and has comprehensive emergency response and spill cleanup/incident mitigation information for the material being shipped or has immediate access to a person who has that knowledge and information about the shipment.

**Note:** Emergency Response phone number information should only be entered in Item 3 when there is one phone number that applies to all the waste materials described in Item 9b. If a situation (e.g., consolidated shipments) arises where more than one Emergency Response phone number applies to the various wastes listed on the manifest, the phone numbers associated with each specific material should be entered after its description in Item 9b.

*Item 4. Manifest Tracking Number*

This unique tracking number must be pre-printed on the manifest by the forms printer.

*Item 5. Generator's Mailing Address, Phone Number and Site Address*

Enter the name of the generator, the mailing address to which the completed manifest signed by the designated facility should be mailed, and the generator's telephone number. Note, the telephone number (including area code) should be the normal business number for the generator, or the number where the generator or his authorized agent may be reached to provide instructions in the event the designated and/or alternate (if any) facility rejects some or all of the shipment. Also enter the physical site address from which the shipment originates only if this address is different than the mailing address.

*Item 6. Transporter 1 Company Name, and U.S. EPA ID Number*

Enter the company name and U.S. EPA ID number of the first transporter who will transport the waste. Vehicle or driver information may not be entered here.

*Item 7. Transporter 2 Company Name and U.S. EPA ID Number*

If applicable, enter the company name and U.S. EPA ID number of the second transporter who will transport the waste. Vehicle or driver information may not be entered here.

If more than two transporters are needed, use a continuation sheet(s) (EPA Form 8700-22A).

*Item 8. Designated Facility Name, Site Address, and U.S. EPA ID Number*

Enter the company name and site address of the facility designated to receive the waste listed on the manifest. Also enter the facility's phone number and the U.S. EPA twelve-digit identification number of the facility.

*Item 9. U.S. DOT Description (Including Proper Shipping Name, Hazard Class or Division, Identification Number, and Packing Group)*

*Item 9a.* If the wastes identified in Item 9b consist of both hazardous and nonhazardous materials, then identify the hazardous materials by entering an "X" in this Item next to the corresponding hazardous material identified in Item 9b.

*Item 9b.* Enter the U.S. DOT Proper Shipping Name, Hazard Class or Division,

Identification Number (UN/NA) and Packing Group for each waste as identified in 49 CFR 172. Include technical name(s) and reportable quantity references, if applicable.

**Note:** If additional space is needed for waste descriptions, enter these additional descriptions in Item 27 on the continuation sheet (EPA Form 8700-22A). Also, if more than one Emergency Response phone number applies to the various wastes described in either Item 9b or Item 27, enter applicable Emergency Response phone numbers immediately following the shipping descriptions for those Items.

*Item 10. Containers (Number and Type)*

Enter the number of containers for each waste and the appropriate abbreviation from Table I (below) for the type of container.

Table I - Types of Containers

BA = Burlap, cloth, paper, or plastic bags.	DT = Dump truck.
CF = Fiber or plastic boxes, cartons, cases.	DW = Wooden drums, barrels, kegs.
CM = Metal boxes, cartons, cases (including roll-offs).	HG = Hopper or gondola cars.
CW = Wooden boxes, cartons, cases.	TC = Tank cars.
CY = Cylinders.	TP = Portable tanks
DF = Fiberboard or plastic drums, barrels, kegs.	TT = Cargo tanks (tank trucks).
DM = Metal drums, barrels, kegs.	

*Item 11. Total Quantity*

Enter, in designated boxes, the total quantity of waste. Round partial units to the nearest whole unit, and do not enter decimals or fractions. To the extent practical, report quantities using appropriate units of measure that will allow you to report quantities with precision. Waste quantities entered should be based on actual measurements or reasonably accurate estimates of actual quantities shipped. Container capacities are not acceptable as estimates.

*Item 12. Units of Measure (Weight/Volume)*

Enter, in designated boxes, the appropriate abbreviation from Table II (below) for the unit of measure.

Table II - Units of Measure

G = Gallons (liquids only)	N = Cubic Meters
K = Kilograms	P = Pounds
L = Liters (liquids only)	T = Tons (2000 Pounds)
M = Metric Tons (1000 Kilograms)	Y = Cubic Yards

**Note:** Tons, Metric Tons, Cubic Meters, and Cubic Yards should only be reported in connection with very large bulk shipments, such as rail cars, tank trucks, or barges.

*Item 13. Waste Codes*

Enter up to six federal and state waste codes to describe each waste stream identified in Item 9b. State waste codes that are not redundant with federal codes must be entered here, in addition to the federal waste codes which are most representative of the properties of the waste.

*Item 14. Special Handling Instructions and Additional Information*

1. Generators may enter any special handling or shipment-specific information necessary for the proper management or tracking of the materials under the generator's or other handler's business processes, such as waste profile numbers, container codes, bar codes, or response guide numbers. Generators also may use this space to enter additional descriptive information about their shipped materials, such as chemical names, constituent percentages, physical state, or specific gravity of wastes identified with volume units in Item 12.
2. This space may be used to record limited types of federally required information for which there is no specific space provided on the manifest, including any alternate facility designations; the manifest tracking number of the original manifest for rejected wastes and residues that are re-shipped under a second manifest; and the specification of PCB waste descriptions and PCB out-of-service dates required under 40 CFR 761.207. Generators, however, cannot be required to enter information in this space to meet state regulatory requirements.

*Item 15. Generator's/Offeror's Certifications*

1. The generator must read, sign, and date the waste minimization certification statement. In signing the waste minimization certification statement, those generators who have not been exempted by statute or regulation from the duty to make a waste minimization certification under section 3002(b) of RCRA are also certifying that they have complied with the waste minimization requirements. The Generator's Certification also contains the required attestation that the shipment has been properly prepared and is in proper condition for transportation (the shipper's certification). The content of the shipper's certification statement is as follows: "I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked, and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent." When a party other than the generator prepares the shipment for transportation, this party may also sign the shipper's certification statement as the offeror of the shipment.
2. Generator or Offeror personnel may preprint the words, "On behalf of" in the signature block or may hand write this statement in the signature block prior to signing the generator/offeror certification, to indicate that the individual signs as the employee or agent of the named principal.

**Note:** All of the above information except the handwritten signature required in Item 15 may be pre-printed.

**II. Instructions for International Shipment Block**

*Item 16. International Shipments*

For export shipments, the primary exporter must check the export box, and enter the point of exit (city and state) from the United States. For import shipments, the importer must check the import box and enter the point of entry (city and state) into the United States. For exports, the transporter must sign and date the manifest to indicate the day the shipment left the United States. Transporters of hazardous waste shipments must deliver a copy of the manifest to the U.S. Customs when exporting the waste across U.S. borders.

### **III. Instructions for Transporters**

#### *Item 17. Transporters' Acknowledgments of Receipt*

Enter the name of the person accepting the waste on behalf of the first transporter. That person must acknowledge acceptance of the waste described on the manifest by signing and entering the date of receipt. Only one signature per transportation company is required. Signatures are not required to track the movement of wastes in and out of transfer facilities, unless there is a change of custody between transporters.

If applicable, enter the name of the person accepting the waste on behalf of the second transporter. That person must acknowledge acceptance of the waste described on the manifest by signing and entering the date of receipt.

**Note:** Transporters carrying imports, who are acting as importers, may have responsibilities to enter information in the International Shipments Block. Transporters carrying exports may also have responsibilities to enter information in the International Shipments Block. See above instructions for Item 16.

### **IV. Instructions for Owners and Operators of Treatment, Storage, and Disposal Facilities**

#### *Item 18. Discrepancy*

##### *Item 18a. Discrepancy Indication Space*

1. The authorized representative of the designated (or alternate) facility's owner or operator must note in this space any discrepancies between the waste described on the manifest and the waste actually received at the facility. Manifest discrepancies are: significant differences (as defined by §§ 264.72(b) and 265.72(b)) between the quantity or type of hazardous waste designated on the manifest or shipping paper, and the quantity and type of hazardous waste a facility actually receives, rejected wastes, which may be a full or partial shipment of hazardous waste that the TSDF cannot accept, or container residues, which are residues that exceed the quantity limits for "empty" containers set forth in 40 CFR 261.7(b).
2. For rejected loads and residues (40 CFR 264.72(d), (e), and (f), or 40 CFR 265.72(d), (e), or (f)), check the appropriate box if the shipment is a rejected load (*i.e.*, rejected by the designated and/or alternate facility and is sent to an alternate facility or returned to the generator) or a regulated residue that cannot be removed from a container. Enter the reason for the rejection or the inability to remove the residue and a description of the waste. Also, reference the manifest tracking number for any additional manifests being used to track the rejected waste or residue shipment on the original manifest. Indicate the original manifest tracking number in Item 14, the Special Handling Block and Additional Information Block of the additional manifests.

3. Owners or operators of facilities located in unauthorized states (*i.e.*, states in which the U.S. EPA administers the hazardous waste management program) who cannot resolve significant differences in quantity or type within 15 days of receiving the waste must submit to their Regional Administrator a letter with a copy of the manifest at issue describing the discrepancy and attempts to reconcile it (40 CFR 264.72(c) and 265.72(c)).
4. Owners or operators of facilities located in authorized states (*i.e.*, those states that have received authorization from the U.S. EPA to administer the hazardous waste management program) should contact their state agency for information on where to report discrepancies involving “significant differences” to state officials.

*Item 18b. Alternate Facility (or Generator) for Receipt of Full Load Rejections*

Enter the name, address, phone number, and EPA Identification Number of the Alternate Facility which the rejecting TSDF has designated, after consulting with the generator, to receive a fully rejected waste shipment. In the event that a fully rejected shipment is being returned to the generator, the rejecting TSDF may enter the generator’s site information in this space. This field is not to be used to forward partially rejected loads or residue waste shipments.

*Item 18c. Alternate Facility (or Generator) Signature*

The authorized representative of the alternate facility (or the generator in the event of a returned shipment) must sign and date this field of the form to acknowledge receipt of the fully rejected wastes or residues identified by the initial TSDF.

*Item 19. Hazardous Waste Report Management Method Codes*

Enter the most appropriate Hazardous Waste Report Management Method code for each waste listed in Item 9. The Hazardous Waste Report Management Method code is to be entered by the first treatment, storage, or disposal facility (TSDF) that receives the waste and is the code that best describes the way in which the waste is to be managed when received by the TSDF.

*Item 20. Designated Facility Owner or Operator Certification of Receipt (Except As Noted in Item 18a)*

Enter the name of the person receiving the waste on behalf of the owner or operator of the facility. That person must acknowledge receipt or rejection of the waste described on the manifest by signing and entering the date of receipt or rejection where indicated. Since the Facility Certification acknowledges receipt of the waste except as noted in the Discrepancy Space in Item 18a, the certification should be signed for both waste receipt and waste rejection, with the rejection being noted and described in the space provided in Item 18a. Fully rejected wastes may be forwarded or returned using Item 18b after consultation with the generator. Enter the name of the person accepting the waste on behalf of the owner or operator of the alternate facility or the original generator. That person must acknowledge receipt or rejection of the waste

described

on the manifest by signing and entering the date they received or rejected the waste in Item 18c. Partially rejected wastes and residues must be re-shipped under a new manifest, to be initiated and signed by the rejecting TSDF as offeror of the shipment.

### **What are the instructions for completing the continuation sheet (EPA Form 8700-22A)?**

Read all instructions before completing the form.

The form has been designed for use on a 12-pitch (elite) typewriter; a firm point pen may also be used—press down hard.

The form must be used as a continuation sheet to U.S. EPA Form 8700-22 if:

- More than two transporters are to be used to transport the waste; or
- More space is required for the U.S. DOT descriptions and related information in Item 9 of U.S. EPA Form 8700-22.

Federal regulations require generators and transporters of hazardous waste and owners or operators of hazardous waste treatment, storage, or disposal facilities to use the uniform hazardous waste manifest (EPA Form 8700-22) and, if necessary, the continuation sheet (EPA Form 8700-22A) for both interstate and intrastate transportation.

#### **I. Generators**

##### *Item 21. Generator's ID Number*

Enter the generator's U.S. EPA twelve-digit identification number or, the state generator identification number if the generator site does not have an EPA identification number.

##### *Item 22. Page \_\_\_\_*

Enter the page number of the continuation sheet.

##### *Item 23. Manifest Tracking Number*

Enter the Manifest Tracking Number from Item 4 of the manifest form to which the continuation sheet is attached.

##### *Item 24. Generator's Name—*

Enter the generator's name as it appears in Item 5 on the first page of the manifest.

*Item 25. Transporter—Company Name*

If additional transporters are used to transport the waste described on the manifest, enter the company name of each additional transporter in the order in which they will transport the waste. Enter after the word “Transporter” the order of the transporter. For example, Transporter 3 Company Name. Also enter the U.S. EPA twelve-digit identification number of the transporter described in Item 25.

*Item 26. Transporter—Company Name*

If additional transporters are used to transport the waste described on the manifest, enter the company name of each additional transporter in the order in which they will transport the waste. Enter after the word “Transporter” the order of the transporter. For example, Transporter 4 Company Name. Each continuation sheet can record the names of two additional transporters. Also enter the U.S. EPA twelve-digit identification number of the transporter named in Item 26.

*Item 27. U.S. D.O.T. Description Including Proper Shipping Name, Hazardous Class, and ID Number (UN/NA)*

For each row enter a sequential number under Item 27b that corresponds to the order of waste codes from one continuation sheet to the next, to reflect the total number of wastes being shipped. Refer to instructions for Item 9 of the manifest for the information to be entered.

*Item 28. Containers (No. And Type)*

Refer to the instructions for Item 10 of the manifest for information to be entered.

*Item 29. Total Quantity*

Refer to the instructions for Item 11 of the manifest form.

*Item 30. Units of Measure (Weight/Volume)*

Refer to the instructions for Item 12 of the manifest form.

*Item 31. Waste Codes*

Refer to the instructions for Item 13 of the manifest form.

*Item 32. Special Handling Instructions and Additional Information*

Refer to the instructions for Item 14 of the manifest form.

## **II. Transporters**

### *Item 33. Transporter—Acknowledgment of Receipt of Materials*

Enter the same number of the Transporter as identified in Item 25. Enter also the name of the person accepting the waste on behalf of the Transporter (Company Name) identified in Item 25. That person must acknowledge acceptance of the waste described on the manifest by signing and entering the date of receipt.

### *Item 34. Transporter—Acknowledgment of Receipt of Materials*

Enter the same number of the Transporter as identified in Item 26. Enter also the name of the person accepting the waste on behalf of the Transporter (Company Name) identified in Item 26. That person must acknowledge acceptance of the waste described on the manifest by signing and entering the date of receipt.

## **III. Owner and Operators of Treatment, Storage, or Disposal Facilities**

### *Item 35. Discrepancy Indication Space*

Refer to Item 18. This space may be used to more fully describe information on discrepancies identified in Item 18a of the manifest form.

### *Item 36. Hazardous Waste Report Management Method Codes*

For each field in Item 36, enter the sequential number that corresponds to the waste materials described under Item 27, and enter the appropriate process code that describes how the materials will be processed when received. If additional continuation sheets are attached, continue numbering the waste materials and process code fields sequentially, and enter on each sheet the process codes corresponding to the waste materials identified on that sheet.

### **What is the public reporting burden associated with the manifest?**

Public reporting burden for this collection of information is estimated to average: 30 minutes for generators, 10 minutes for transporters, and 25 minutes for owners or operators of treatment, storage, and disposal facilities. This includes time for reviewing instructions, gathering data, completing, reviewing and transmitting the form. Any correspondence regarding the Paperwork Reduction Act burden statement for the manifest must be sent to the Director of the Collection Strategies Division in EPA's Office of Information Collection at the following address: U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW., Washington, DC 20460. Do not send the completed form to this address.

**ATTACHMENT B-5**

**EMERGENCY CONTACTS TELEPHONE POSTING**

## Attachment B-4 Hazardous Waste Accumulation Area Emergency Contacts Telephone Posting

Post this sheet near the telephone(s) in areas where hazardous waste is handled or stored

<b>Company Emergency Coordinator(s)</b>			
Coordinator Name	Work Phone	Cell Phone	Home Phone

<b>Other Emergency Contacts</b>	
	Phone
Fire Department	
Police Department	
Hospital	
State 24-Hour Emergency Response Line	
National Response Center (24-Hour)	1-800-424-8802

<b>Location of Emergency Response Equipment</b>	
Fire extinguishers	
Fire alarm	
Spill control materials	
Special equipment	

## **Appendix C**

### **Contractor HW Management Standard Operating Procedure**

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## Attachments

- C-1 Commanding Officer’s Letter to Contractors
- C-2 Hazardous Waste Inspection Sheets

## **1.0 Purpose**

The purpose of this Standard Operating Procedure (SOP) is to establish procedures for the proper management of waste by contractors operating aboard NSWG FOUR (SSC).

## **2.0 Definitions**

A list of definitions is found in Section 2 of this Plan and in the regulations.

## **3.0 Responsibilities**

The NSWG FOUR (SSC) Commanding Officer grants access to contractors working aboard the installation; therefore, any contractor who improperly manages HW or fails to comply with this instruction may be denied access to the installation.

### **3.1 NSWG FOUR (SSC)**

NSWG FOUR (SSC) shall have immediate access to inspect contractor's work areas and shall report discrepancies to the Contracting Authority (CA).

### **3.2 Contracting Authorities (CA)**

The Contracting Authority shall:

- a. Ensure contractors comply with federal, state, and local regulations, in addition to Navy and NSWG FOUR (SSC) instructions.
- b. Provide this plan including SOP to all contractors.
- c. Notify NSWG FOUR (SSC), before HW is generated, if a contractor expects to generate waste.
- d. Ensure each Statement of Work (SOW) specifies the proper management of HW and Non-RCRA regulated wastes including the handling, storage, transportation, disposal, and:
  - 1) Identifies an estimate of the type and amount of waste to be generated during the performance of the contract,
  - 2) Identifies and ensures required documents are accurate and timely,
  - 3) Requires a State of Mississippi certified laboratory completes any required chemical analysis,
  - 4) Requires EPA waste codes be properly identified,
  - 5) Requires proper disposal of regulated waste such as petroleum products and wastewater,

- 6) Requires best management practices to minimize the amount of HW and other waste generated, and
  - 7) Requires the HW disposal costs be included in the contract cost. NSWG FOUR (SSC) is not responsible nor will they pay for the disposal of contractor generated waste.
- e. Require approval from NSWG FOUR (SSC) for contractor's HW storage location(s).
  - f. Immediately notify NSWG FOUR (SSC):
    - 1) If a contractor unexpectedly generates waste,
    - 2) If a regulatory violation(s) is identified, and
    - 3) If a spill / release to the environment occurs.
  - g. Provide NSWG FOUR (SSC) access to HW records.

### **3.3 All Contractors**

Contractors shall:

- a. Take no action or inaction that exposes the Government to liability for non-compliance or other findings or damages, penalties or fines related thereto. In the event a regulatory agency assesses either a monetary or non monetary fine or penalty for Contractor's noncompliance, the Contractor shall reimburse the Government for all associated cost.
- b. Before generating waste, obtain from NSWG FOUR (SSC) via CA, approval for HW storage, including location and type of storage (i.e. SAA or less than 180-Day Storage Area)
- c. Provide WSD information before generating any HW.
- d. Manage HW, UW, Non-RCRA regulated waste and Used Oil in accordance with applicable federal, state, and local regulations, Navy and NSWG FOUR (SSC) policies and instructions including this plan, and contractual requirements.
- e. Provide immediate access to NSWG FOUR (SSC) personnel to inspect locked units.
- f. Inspect their waste storage areas and provide, via the CA, inspection reports. Immediately correct deficiencies identified during inspections.
- g. Remove all HM and waste upon completion of contract. NSWG FOUR (SSC) shall dispose of any HM or waste abandoned by a contractor. Abandoned waste shall be managed as an unknown waste; the contractor shall bear the cost of any analytical, disposal and other costs.
- h. NSWG FOUR (SSC) shall notify the CA of improper management or disposal of waste.
- i. Reimburse NSWG FOUR (SSC) for services rendered.

## **4.0 HW Management**

HW shall be managed in accordance with federal, state and local regulations in addition to Navy and NSWG FOUR (SSC) policies and instructions. Contact NSWG FOUR (SSC), via the CA regarding proper handling, storage and disposal procedures.

- a. It is strictly prohibited to dispose of any waste into any wastewater treatment system, oily waste treatment system, storm drain, surface waters, or upon the land without written authorization from NSWG FOUR (SSC) and Stennis Space Center.
- b. HW segregation is mandatory. Proper segregation prevents incompatible chemicals from mixing and allows proper treatment and/or disposal options.
- c. Containers must be compatible with the materials stored in them to prevent a reaction between the material and container.
- d. Store HW in only DOT-approved containers that are in good condition, without corrosion, dents or leaks and are closed in accordance with the manufacturer's specifications. Typically, containers are 5-, 30-, or 55-gallon steel or plastic.
- e. Ensure containers are properly labeled before adding the first drop or item to the container.
- f. Items contaminated with HW may be HW and shall be managed accordingly. Examples include rags, rollers, brushes and petroleum-based products contaminated with solvents.
- g. Most used petroleum-based products, such as hydraulic fluids, lubricating oils, and diesel fuel, and other fuels with a flash point above 100 degrees Fahrenheit are to be managed as Used Oil. Used oil that does not meet the used oil specification or contains solvents must be characterized to determine whether it is hazardous waste. Used oil contaminated with a listed HW must be managed as HW.
- h. Contractors shall manage SAAs in compliance with regulations and Section 4.1 that discusses SAA requirements.
- i. Contractor shall manage less than 180-Day Storage Areas in compliance with regulations and Section 4.2 that discusses less than 180-Day Storage Area requirements.
- j. Utilize good housekeeping practices at all times.

### **4.1 Satellite Accumulation Areas (SAA)**

- a. Locate SAAs, approved by NSWG FOUR (SSC) HW Program Manager, at or near the point of generation and under the control of the operator generating the waste.
- b. Accumulate no more than 55 gallons (cumulative total of all types of HW) or 1 quart of acute HW in the SAA. The 55-gallon limit does NOT include non-RCRA regulated waste, UW or Used Oil. Once the 55-gallon limit is reached, date the container and transfer it to a less than 180-Day Storage Area or permitted TSDF within three (3) calendar days.

- c. Complete weekly inspections, document on the inspection sheet provided by the CA, and submit, via the CA, no later than the close of business the following Tuesday to the NSWG FOUR Environmental Coordinator.

## 4.2 Less than 180-Day Storage Areas

- a. NSWG FOUR (SSC) shall approve less than 180-Day Storage Areas before waste may be stored.
- b. Control access at all times, fence the area, and keep it locked or located within a secured building.
- c. Secondary containment is required for all containers, concrete curbs or spill pallets.
- d. Store incompatible wastes separately; use berms/spill pallets to prevent incompatible materials from coming into contact with each other in the event of a spill or leak.
- e. Maintain at the site a fire extinguisher, an eyewash station and an internal communication device (telephone or two-way radio) or system capable of summoning emergency assistance.
- f. Post weather-resistant signs on all exterior sides of the fenced area, stating:

**"NO SMOKING WITHIN 50 FEET"**

Each sign shall be clearly visible from 50 feet.

- g. Post weather resistant signs on each entrance, stating:

**"DANGER - UNAUTHORIZED PERSONNEL KEEP OUT"**  
**and**  
**"HAZARDOUS WASTE STORAGE AREA"**

Each sign shall be clearly visible from 25 feet.

- h. Maintain a readily accessible and clearly marked **"HW/HM SPILL KIT"** that includes at a minimum:
  - 1) Material and equipment needed to contain the accumulated waste.
  - 2) If flammable liquids are accumulated, have absorbent (i.e., kitty litter or cloth absorbents), non-sparking shovel and dust pan to remove spill residue, gloves, face shields, rubber boots, etc.
  - 3) Sufficient containers and labels for potential spills.

- i. Maintain sufficient aisle space (30 to 36 inches) around containers for unobstructed movement of personnel for fire protection, spill control and access to decontamination equipment.
  - j. Labels shall be clearly visible for inspection.
  - k. HW shall not be stored more than 180 days.
- 
- l. Complete and document daily inspections. Submit the completed inspection sheets, Attachment C-2, to NSWG FOUR (SSC) HW Program Manager, via the CA, for the previous week no later than the close of business the following Tuesday.

### 4.3 Container Management

- a. Containers shall be in good condition (minor surface rust or dents are allowed), sealed, non-leaking, and compatible with the material stored in them.
- b. Containers shall be closed except when adding or removing waste.
- c. Position drum rings with the bolt down and tightened. **CAUTION: USE NON-SPARKING TOOLS ON CONTAINERS OF FLAMMABLE MATERIALS**
- d. Immediately transfer material from unsealable containers.
- e. Containers shall have no evidence of spills on the outside of the container; no dry or wet paint on the exterior sides.

### 4.4 Proper Labeling

- a. Complete all labels using indelible ink.
- b. Ensure each container of HW is labeled with a HW label.
  - 1) Label must include USEPA I.D. #
  - 2) Generator Name and address
  - 3) Proper DOT shipping name
  - 4) USEPA Waste Codes
  - 5) Accumulation start date
- c. Label non-RCRA containers with a completely filled out Non-HW label; most spent antifreeze and grease are examples of non-HW
- d. Used Oil shall be labeled with the words “USED OIL”
- e. Label Universal Waste using Universal Waste Label and annotate the date the first waste is added to the container

## **5.0 Manifests**

Only personnel authorized in writing by the Commanding Officer of NSWG FOUR (SSC) may sign manifests. Contractors shall ensure that only authorized personnel sign manifests; contractors shall contact NSWG FOUR (SSC) Environmental Department before making any arrangements to remove waste from the Installation.

**ATTACHMENT C-1**

**COMMANDING OFFICER'S LETTER TO CONTRACTORS**

**ATTACHMENT C-2**  
**HAZARDOUS WASTE INSPECTION SHEETS**

**NAVAL SPECIAL WARFARE GROUP FOUR, STENNIS SPACE CENTER, MISSISSIPPI**

**Attachment C-2**

**Satellite Hazardous Waste Accumulation Area Inspection Sheet Example**

SAA No./Location: \_\_\_\_\_ No. of Containers: \_\_\_\_\_  
 Inspected by: \_\_\_\_\_ Date: \_\_\_\_\_

SAA and Hazardous Waste Containers		
	Yes	No
Is the SAA located at or near point where waste is generated?		
Is the SAA Identified by signage or Floor Markings (or other)?		
Are HW drums or containers labeled with a Hazardous Waste Label?		
Is HW in containers properly segregated?		
Are waste stream documentation forms available on site?		
Are all containers in good condition?		
Are all Containers closed with locking ring and/or bolts or bungs or other acceptable method?		
Is there less than 55 gallons of Hazardous Waste and/or 1 quart of Acute Hazardous Waste in this SAA?		
Is the accumulation start date on label when 55-gallon and/or 1 quart limit of Hazardous Waste is reached.		
If present, are Universal Waste containers marked with the Accumulation Start Date?		
Are adequate spill response materials available		
If any of these questions was marked "No," provide comments:		
Describe actions taken to correct situation (include date of action):		
Signature (Inspector):		

**NAVAL SPECIAL WARFARE GROUP FOUR, STENNIS SPACE CENTER, MISSISSIPPI**

**Attachment C-3**

**180-day Hazardous Waste Accumulation Area Inspection Sheet**

Accumulation Point No./Location: \_\_\_\_\_

No. of Containers: \_\_\_\_\_

Inspected by: \_\_\_\_\_ Date: \_\_\_\_\_

<b>Hazardous Waste Containers</b>			
		<b>Yes</b>	<b>No</b>
Container Condition	Are all wastes compatible with their containers ?		
	Are any containers open?		
	Are all containers properly sealed?		
	Are any containers severely rusted?		
	Are any container heads bulging?		
	Are any containers leaking?		
Container Marking	Is the accumulation start date marked on all HW container(s)		
	Is the HW warning label with EPA waste codes on all HW container(s)		
	Is the waste description marked on container(s)		
The oldest accumulation start date for a HW Container is _____. Is it less than 180 days?			
The oldest accumulation start date for a UW Container is _____. Is it less than 1 year?			
Insert comments for any discrepancies:			
Describe actions taken to correct situation (include date of action):			
<b>Accumulation Point</b>			
		<b>Yes</b>	<b>No</b>
Is the correct warning notifications/signage posted and visible ?			
Is the area secured?			
Is the accumulation point free of severe structural deterioration?			
Are all wastes properly segregated by hazard class?			
Are all labels readily visible without a requirement to move drums?			
Are empty containers properly stored?			
Is the area neat and clean, with adequate aisle space between drums to allow unobstructed movement for emergency response?			
If any of these questions was marked "No," provide comments:			
Describe actions taken to correct situation (include date of action):			
<b>Emergency Response</b>			
		<b>Yes</b>	<b>No</b>
Communications	Is a working telephone easily accessible in case of emergency?		
	Are Emergency Contacts, Response, and Notification Information and Requirements Posted?		
Spill Control	Is an empty salvage drum nearby?		
	Is unused absorbent material nearby?		
	Is all personal protective equipment nearby?		
Fire Protection	Is a fire extinguisher readily accessible?		
	Is the fire extinguisher fully, charged?		
	Is the fire extinguisher seal intact?		
If any of these questions was marked "No," provide comments:			
Describe actions taken to correct situation (include date of action):			
Signature (Inspector):			

## **Appendix D**

### **Used Oil Management Standard Operating Procedure**

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### Attachments

Attachment D-1      Used Oil Label

## 1.0 Purpose

The purpose of this Standard Operating Procedure(SOP) is to establish procedures for the proper management of used oil.

## 2.0 Definitions

A short list of definitions is provided for a quick reference.

Aboveground Used Oil Storage Tank means a tank used to store or process used oil that is not an underground storage tank or a container.

Container means any portable device in which a material is stored, transported, treated, disposed of, or otherwise handled.

Spill/Release means any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment any HM where such a release has the potential to threaten human health or the environment.

Used Oil means any oil refined from crude oil, or any synthetic oil, that was used and because of such use is contaminated with physical or chemical impurities.

## 3.0 General Used Oil Management

It is prohibited to dispose of used oil into any wastewater treatment system, storm drain, surface water body, or onto the land. Used oil shall not be used as a dust suppressant or for other such applications.

- a. Segregation of used oil is mandatory. Proper segregation prevents incompatible chemicals with the potential to produce heat, pressure, fire, explosions, violent reactions, toxic dust, mists and irritating or toxic fumes or gases from mixing.
  - 1) Do **not** mix used oil with any HW, including chlorinated or non-chlorinated solvents, as the resulting mixture may be a HW.
  - 2) Do **not** mix solid wastes with used oil as it may prevent used oil from being recycled.

- 3) Do **not** mix used oil with off-specification or contaminated gasoline or low flash point aviation fuels.
  - b. Used oil may be mixed with off-specification fuels including Diesel, JP-5, JP-8 and other fuels with a Flash Point greater than 100<sup>0</sup> F. Do not mix with any petroleum product containing solvents.
  - c. Store used oil in non-leaking structurally sound aboveground storage tanks or approved containers in good condition (minor corrosion or dents) and compatible with the used oil stored in them.
  - d. Label containers and aboveground storage tanks with the words “Used Oil” or with a Used Oil label, example in Attachment D-1. Label buckets and drip pans used to collect and store used oil with the words “Used Oil.”
  - e. Used oil containers and aboveground storage tanks shall be closed except when adding or removing the used oil.
  - f. Contact the Environmental Compliance Coordinator to arrange for disposal of used oil.

### **3.1 Training**

Ensure personnel handling petroleum products and used oil are trained to respond to spills in a safe manner.

### **4.0 Spills and Releases**

In the event of a release/spill of used oil to the environment, only trained personnel shall make every effort to stop and contain the spill, without endangering their safety.

Report all spills of used oil to the SSC Fire Department by dialing 911, or by dialing 228-688-3636 from cell phones.

## **Appendix E**

### **Universal Waste Management Standard Operating Procedure**

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### Attachments:

E-1 Sample Universal Waste Label

## 1.0 Purpose

This SOP establishes procedures for the management of Universal Waste (UW) by all activities and contractors operating on board NSWG 4 (SSC).

## 2.0 Definitions

A short list of definitions is provided for a quick reference. A complete list of definitions is found in Section 2 of this plan and in the regulations.

Accumulation Start Date for UW is the date the first waste is placed in the container.

Mercury-Containing Equipment is any device or part thereof (excluding batteries and lamps) that contains elemental mercury.

Pesticide is any substance or mixture intended for preventing, destroying, repelling, or mitigating any pest, or intended for use as a plant regulator, defoliant, or desiccant.

Universal Waste (UW) are batteries, fluorescent lamps, some pesticides, and mercury-containing devices formerly classified as HW, but are now subject to less stringent UW regulations when recycled, if recycling is available. Common UW lamps include fluorescent, high intensity discharge, neon, mercury vapor, high-pressure sodium, and metal halide.

## 3.0 Universal Waste Management

Immediately containerize all UW when it is generated. UW may be stored up to one (1) year from the date the first waste is placed in the container. To avoid storing UW for more than one (1) year, contact the Environmental Compliance Coordinator when a container is **nine months old** to arrange for disposal.

### **3.1 Battery Management**

All batteries must be packaged in a manner that prevents short circuiting or damage to the battery. Fully enclosed non conductive inner packaging may be used to separate batteries from each other and other conductive material in the same package. Other methods may be used to meet this requirement depending upon the battery types and sizes.

#### **3.1.1 Lead Acid Batteries**

Store lead acid (automotive-type) batteries to prevent spills.

To avoid injury, proper PPE and lifting techniques should be employed when handling lead acid batteries. Spent lead-acid batteries must be properly stored so that acid does not spill or leak.

If spent lead acid batteries are stacked or palletized for shipment, precautions must be taken to ensure that the posts on underlying batteries do not break or breach overlying batteries. This could result in spills of acid, or short circuiting and potential for fire.

Any UW battery that shows evidence of leakage, spillage, or damage that could cause leakage under reasonably foreseeable conditions must be managed in a container that is closed, structurally sound, compatible with the battery's contents, and capable of containing potential releases.

**Broken batteries with breached cell casings and any spilled acid must be managed as HW**  
Some broken or damaged hazardous waste batteries may be managed as universal wastes, if the breakage or damage does not constitute a breach in the cell casing.

#### **3.1.2 Non-Lead Acid Batteries**

Non-Lead acid batteries (i.e. Nickel Cadmium, Nickel Metal Hydride, Magnesium, Lithium, Mercury, Alkaline, etc.) shall be:

- a. Segregated by battery type into proportionately sized structurally sound DOT approved containers (e.g. only one type of battery per container).
- b. Have both terminals taped (i.e. the “ends” of each battery) and/or seal each individual battery in an plastic bag.
- c. Labeled as UW and the label annotated with the date the first battery was placed in the container. (Example shown in Attachment E-1).

### **3.2 Fluorescent Lamp Management**

Store unbroken lamps in a structurally sound DOT approved containers. Keep the containers closed except when adding lamps. The original box or a two- or three-ply cardboard box may be used.

- a. Label and date all containers (boxes) as UW and annotate the date when the first lamp is placed in the container. (Example shown in E-1).
- b. Place broken lamps in a structurally sound DOT approved container, keep the container closed except when adding lamps, and label as HW. Do not date the container unless the container is located in a less than 180-day storage area. Manage container of broken lamps in accordance with this plan.

### **3.3 Mercury-Containing Devices**

Place mercury-containing devices into a structurally sound DOT approved container that is properly labeled as UW. Keep containers closed except when adding waste.

- a. For devices where the mercury is not in a sealed ampule, the mercury must be inside a sealed air-tight casing.
- b. Label as UW and date the label using indelible ink label with the date the first waste is added to the container. (Example shown in Attachment E-1).

### **3.4 Pesticides**

Pesticides that are not hazardous may not be managed as UW.

Certain recalled pesticides and unused pesticide products that are collected and managed as part of a waste pesticide collection program may be managed as UW.

UW pesticides should be stored in a closed structurally sound DOT approved container that is properly labeled and annotated with the date the first pesticide is placed into the container. Example shown in Attachment E-1. Keep the container closed except when adding waste.

### **4.0 UW Turn-In**

Contact the Environmental Compliance Coordinator to schedule a turn-in when a container is full or when the the UW has been stored for nine months.

# UNIVERSAL WASTE

CONTENTS Lead-Acid Batteries

ACCUMULATION START DATE \_\_\_\_\_

SHIPPER Naval Special Warfare Group FOUR  
ADDRESS 2603 Lower Gainesville

CITY, STATE, ZIP STENNIS SPACE CENTER, MS 39529

Lab Safety Supply Inc.

Reorder No. 42109

**BASE UNIVERSAL WASTE LABEL**

## **Appendix F**

### **Hazardous Waste Contingency Plan**



**NAVFAC Southeast**  
Building 903 Yorktown Avenue  
Jacksonville, Florida 32212

# **Hazardous Waste Contingency Plan for Less Than 180-day Hazardous Waste Accumulation Areas Buildings 2600 and 2605, Lower Gainesville Road**

Naval Special Warfare Group FOUR, Stennis  
Space Center, Mississippi

April 2014



Contract Number: N40085-08-D-2116 JM16

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Figure 2: Site Location Map

Figure 3: Site Layout and Emergency Equipment Location Map (SBT-22)

Figure 4: Site Layout and Emergency Equipment Location Map (NAVSCIATTS)

Figure 5: Evacuation Routes and Muster Point Map (SBT-22)

Figure 6: Evacuation Routes and Muster Point Map (NAVSCIATTS)

### Attachments

Attachment F1	Emergency Telephone List
Attachment F2	Emergency Response Coordinators Contact Information
Attachment F3	Waste Characteristics Table
Attachment F4	Emergency and Spill Response Equipment Available On Site
Attachment F5	Emergency Reporting Forms

## **1.0 General Information**

Naval Special Warfare Group FOUR (NSWG FOUR) at Stennis Space Center (SSC), Mississippi is a Small Quantity Generator (SQG) of Hazardous Waste (HW). SQGs may accumulate hazardous waste on site for 180 days or less in areas that are commonly referred to as “less than 180-day areas”, “180-day accumulation areas”, or simply “180-day areas”.

Although a formal written contingency plan is not required by EPA or MDEQ for SQGs, this plan has been developed as a best management practice and complies with the OPNAV 5090.1D requirement to address HW emergency response procedures. This plan specifically address 180-day areas; however, portions of the plan may also be useful for releases from Satellite Accumulation Areas (SAAs).

HW may be generated by military or civilian personnel attached to the NSWG FOUR, including the Naval Small Craft Instruction and Technical Training School (NAVSCIATTS), Special Boat Team 22 (SBT-22), and NSWG-4 Det Stennis (Det Stennis), and private contractors providing construction or other services at NSWG FOUR facilities.

NSWG FOUR processes include training, equipment testing, maintenance, repair, and fabrication, which result in the production of several different types of HW that are typically collected in containers at Satellite Accumulation Areas (SAA) and are subsequently placed in 180-day Accumulation Areas. Some wastes are also containerized at the point of generation and transferred directly to 180-day Accumulation Areas. These wastes may be hazardous due to ignitability, corrosivity, reactivity, and/or toxicity, or due to their Environmental Protection Agency (EPA) criteria for listed HW. Certain universal wastes (UW), Used Oil, and other regulated and unregulated wastes are also stored in specific areas within 180-day Accumulation Areas.

This contingency plan pertains specifically to the NSWG FOUR 180-day areas located at:

**Building 2600 and 2605, Lower Gainesville Road  
Stennis Space Center, Mississippi 39522**

The site contact for the 180-day areas is:

**NSWG FOUR Emergency Coordinator  
Building 2600, Lower Gainesville Road  
Stennis Space Center, MS 39522  
228-813-4000, EXT 13903**

## **1.1 Applicability of Contingency Planning Requirements**

This plan complies with requirements of the Code of Federal Regulations (CFR) in 40 CFR 265 Subpart D—Contingency Plan and Emergency Procedures, which would be applicable to the NSWG FOUR 180-day hazardous waste accumulation areas during episodes when the EPA-established quantity limits for a SQG are exceeded. This plan may also serve as a useful reference for responding to any potential incidents that may arise at less than 180-day hazardous waste accumulation areas during normal periods when the facility operates as a SQG.

## **1.2 Purpose and Implementation of Contingency Plan**

This contingency plan has been prepared for the NSWG FOUR 180-day Accumulation Areas. The purpose of this plan is to protect the safety and welfare of the employees and community in the event of an emergency incident and to comply with federal and state regulations pertaining to HW generators with respect to preparedness and prevention for emergency events.

This contingency plan will be implemented immediately in the event of fire, explosion, spill, or release of HW, which could threaten human health or the environment. Additionally, the contingency plan will be implemented if the Emergency Coordinator determines that a threat to human health or the environment exists. Implementation of this contingency plan is intended to mitigate or protect the facility and neighboring community from injury, contamination of storm sewers with hazardous materials, damage to equipment, damage to the environment, or a combination of these. This document is also intended as a reference source to familiarize local emergency response agencies, fire and police departments, and area hospitals on operations relating to hazardous materials/wastes and emergency response at the NSWG FOUR 180-day Accumulation Area.

## **1.3 Content of this Contingency Plan**

In addition to describing the actions facility personnel must take in response to fires, explosions, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to the air, soil, or surface water at the facility, this contingency plan also provides the following references and documentation:

- **Attachment F1 – Emergency Telephone List**
- **Attachment F2 - Emergency Response Coordinators Contact Information**
- **Attachment F3 – Waste Characteristics Table**
- **Attachment F4 – Emergency and Spill Response Equipment Available On Site**
- **Attachment F5 – Emergency Reporting Forms**

## **1.4 Facility Description**

The general location of SSC, including the two NSWG FOUR 180-day Accumulation Areas, is depicted on Figure 1. The site location is depicted in more detail in Figure 2, and the site layouts for the SBT-22 and NAVSCIATTS 180-day Accumulation Areas are depicted in Figures 3 and 4, respectively.

The SBT-22 180-day Accumulation Area is located within a fenced and secured area east of Building 2416 and comprises approximately 2,500 square feet. Waste is accumulated in purpose-built weatherproof portable storage units. The area can potentially store up to 1,500 gallons of HW. The largest container stored in the area is 55 gallons. Due to the accumulation of ignitable HW hazardous waste, the 180-day Accumulation Area is located more than 50 feet from the property line.

The NAVSCIATTS 180-day Accumulation Area is located within a fenced and secure area southeast of Building 2605 and comprises approximately 600 square feet. Waste is accumulated in purpose-built weatherproof portable storage units. The area can potentially store up to 1,500 gallons of HW. The largest container stored is 55 gallons. Due to the accumulation of ignitable HW, the 180-day Accumulation Area is located more than 50 feet from the property line.

Drums of compatible waste types are placed in portable storage units with adequate aisle space between the drums to allow for container inspections and easy access to hazardous waste labels. The HW being stored may be hazardous due to ignitability, corrosivity, reactivity, or toxicity and/or because it is a listed hazardous waste. Attachment F-3 provides a detailed list of the HW anticipated to be stored at the NSWG FOUR 180-day Accumulation Areas.

Emergency equipment is located in cabinets in the 180-day storage areas. The contents and capabilities of the equipment in the cabinet are noted in Attachment F-4. The location of the cabinet as well as the communication device and fire extinguishers are shown in Figures 3 and 4.

## **1.5 Emergency Coordinators**

The emergency coordinators have been selected based on their familiarity with the contingency plan, location of records, facility layout, waste types, operations, and activities at the NSWG FOUR 180-day Accumulation Areas. Emergency coordinators have been supplied a two-way radio and/or portable cellular phone for notification purposes. Contact information for the Primary and Alternate Emergency Coordinators is provided in Attachment F-2 - "Emergency Coordinator Contact Information."

All emergency coordinators have authority to commit any and all necessary resources of NSWG FOUR to carry out the contingency plan in the event of an emergency. Attachment F-1 "Emergency Telephone List," provides telephone numbers for organizations that may be contacted by the emergency coordinator in the event of an emergency.

## **1.6 Other Emergency Planning Information**

Emergency and hazardous chemical inventory forms required under the Superfund Amendments and Reauthorization Act (SARA) Title III have been submitted to the local, county, and state agencies for NSWG FOUR facilities.

## **2.0 Emergency Procedures**

### **2.1 Internal Emergency Notification Process**

In the event of an imminent or actual emergency situation, such as an explosion, fire, or release involving an HW or hazardous constituents at the NSWG FOUR 180-day Accumulation Area, the employee first identifying the incident will immediately contact the SSC Fire Department by dialing 911, or by dialing 228-688-3636 from cell phones, and then notify the NSWG FOUR Emergency Coordinator. If the Emergency Coordinator is not available, an alternate Emergency Coordinator should be called. The employee first identifying the incident will report the nature of the emergency to the responders and the Emergency Coordinator, include any indications of spilled materials, and describe the source, type, amount, and areal extent of the released material, and provide safety data sheets (SDS), if available.

The Emergency Coordinator will assess possible direct and indirect hazards to human health or the environment that may result from the explosion, fire, or release. If the Emergency Coordinator confirms that there are potential hazards to human health, internal communication systems will be activated to notify all facility personnel within the fenced perimeter of the NSWG FOUR 180-day Accumulation Area.

### **2.2 Evacuation**

If the Emergency Coordinator in coordination with the Fire Department determines that an area or site evacuation is required at the SBT-22 180-day Accumulation Area, all facility personnel will be notified to evacuate through the gate at the west end of the perimeter fence. The signals to be used to begin the evacuation will be verbal. All personnel will follow the evacuation route shown in Figure 5 and meet at the muster point located east of Building 2418.

If the Emergency Coordinator in coordination with the Fire Department determines that an area or site evacuation is required at the NAVSCIATTS 180-day accumulation area, all facility personnel will be notified to evacuate through the gate at the north side of the perimeter fence. The signals to be used to begin the evacuation will be verbal. All personnel will follow the evacuation route shown in Figure 6 and meet at the muster point located south of Building 2606.

### **2.3 Control Measures and Additional Notification Procedures**

The Emergency Coordinator will take all reasonable measures necessary to ensure that fires, explosions, and releases do not occur, recur, or spread to other hazardous material/waste at the facility. These measures may include, where applicable, stopping processes and operations, collecting and containing released waste, and removing and isolating affected containers.

The Emergency Coordinator will evaluate whether the incident could threaten human health or the environment outside the facility, or require evacuation of impacted areas outside of the facility. If these threats exist, the Emergency Coordinator will notify the National Response Center and the Hancock County Emergency Management Agency at the numbers provided in Attachment F-1. Under these circumstances, the Emergency Coordinator will also contact Commander, Navy Region Southeast (CNRSE) 24-hour Regional Operations Center (ROC) which will communicate the situation to the Regional Navy On-Scene Coordinator (NOSC). The NOSC has access to spill response contractors and technical expertise to respond in the event of a release that exceeds the on-site response capability or requires follow-on cleanup.

The Emergency Coordinator will evaluate the facility's emergency response employees, training, and equipment to determine if NSWG FOUR personnel can handle the corrective action and clean-up. On-site employees who have had appropriate training may use nearby fire fighting equipment to provide early containment of fires to significantly reduce the total damage. **HOWEVER, FIRE FIGHTING ACTIVITIES THAT MAY CAUSE INJURY TO THE PERSONS INVOLVED SHOULD NOT BE PERFORMED.** If NSWG FOUR personnel can safely and effectively perform corrective action and clean-up, the following steps are to be taken under the authorization of the emergency coordinator:

- a. Don appropriate Personal Protective Equipment and restrict unauthorized entry.
- b. Eliminate all possible sources of ignition and leakage.
- c. Stop, contain, and cleanup spills. Place absorbents on the spill and down gradient areas to prevent spreading.
- d. Use shovels, pumps, and other equipment to manage contaminated materials; placing them into open-top DOT-approved drums or other suitable containment methods.

If NSWG FOUR personnel cannot safely and effectively perform corrective action in the event of a fire, explosion, or release, the Emergency Coordinator or the on-site employee first identifying the incident will call the local fire department by dialing 911 or by dialing 228-688-3636 from cell phones, and will contact other necessary emergency response organizations as listed in Attachment F-1. The Emergency Coordinator or the on-site employee first identifying the incident will be prepared to relay information relevant to possible hazards, including the status of injured persons and seriousness of injury; the location of any spill or leak, material involved, and source; the type of material that is involved in the fire/explosion or that has spilled and the approximate amount of material spilled; and an estimate of the liquid discharge rate and the direction of the liquid flow. Any injured persons will be removed, and medical treatment will be administered by trained personnel.

## **2.4 Record Keeping and Notification Requirements**

Any spill entering surface waters or exceeding a CERCLA Reportable Quantity must immediately be reported to the NRC, and should also be reported to the Mississippi Emergency Management Agency (MEMA), NASA Environmental and the CNRSE ROC without delay.

The NSWG FOUR Emergency Coordinator will submit a written report on the incident to the Mississippi Department of Environmental Quality (MDEQ) Executive Director within 15 days of any incident that requires implementing the contingency plan, as outlined in Attachment F-5. The report will include all of the information requested on the reporting form included as Attachment F-5.

The NSWG FOUR Emergency Coordinator will include a copy of the completed report form in the official environmental files.

## **2.5 Equipment Decontamination and Maintenance**

The NSWG FOUR Emergency Coordinator will ensure that all emergency equipment utilized is decontaminated as necessary and inspected for proper function, completeness, and condition immediately after an emergency event requiring the implementation of the contingency plan. The NSWG FOUR Emergency Coordinator will ensure that all disposable equipment used during the incident is replaced with new equipment in the appropriate areas.

Accumulation of hazardous wastes that were affected will not be resumed until the equipment has been properly decontaminated and has been checked for proper operation.

## **2.6 Waste Management**

The NSWG FOUR Emergency Coordinator will properly decontaminate or manage and dispose of spilled materials, wastes, used spill absorbents, PPE, and contaminated equipment. The NSWG FOUR 180-day Accumulation Areas will not accept any waste that may be incompatible with spilled materials or wastes until cleanup procedures are completed.

### **3.0 Administrative Procedures**

This contingency plan anticipates an appropriate level of assistance from area police, fire departments, hospitals, and state and local emergency response teams, in response to hazardous waste emergencies at the NSWG FOUR 180-day Accumulation Areas, upon request by NSWG FOUR personnel.

#### **3.1 Stennis Space Center Fire Department**

The SSC Fire Department is the primary emergency authority in the event of any fire, explosion, or unplanned release of HW constituents to the air, soil, or surface water at the NSWG FOUR 180-day Accumulation Area that is beyond the response capabilities of NSWG FOUR personnel. The fire department makes periodic inspections of the NSWG FOUR 180-day Accumulation Areas and is apprised of facility arrangements. The fire department has full authority as soon as it arrives at the site.

A copy of the contingency plan will be provided to the SSC Fire Department to familiarize their emergency response personnel with the layout of the facility, the properties and associated hazards of wastes handled at the facility, places where facility personnel would normally be working, entrances to and roads inside the facility, and possible evacuation routes.

#### **3.2 Law Enforcement**

The SSC Security Department is the responding authority should their services be needed at the NSWG FOUR 180-day Accumulation Area. In addition, the Hancock County Sheriff's Office may be called upon for support if necessary during an emergency.

#### **3.3 First Aid and Medical Care**

Depending upon the urgency and severity of a potential injury related to an incident at the NSWG FOUR 180-day Accumulation Area, either the SSC Medical Clinic (during normal business hours) or a local area hospital will be utilized whenever medical emergencies occur. The selected treatment facility will be determined on a case-by-case basis by the SSC Fire Department.

### **3.4 Contingency Plan Revisions/Amendments**

This plan will be reviewed and immediately amended, if necessary whenever:

Applicable rules are changed.

The plan fails in an emergency.

Facility changes in design, construction, operation, maintenance practices or other circumstances in a way that increases the potential for fires, explosions, or releases of hazardous wastes or hazardous constituents or changes the response necessary in an emergency.

The Emergency Coordinator List changes.

The Emergency Equipment List changes.

## **Figures**

Figure 1: General Location Map

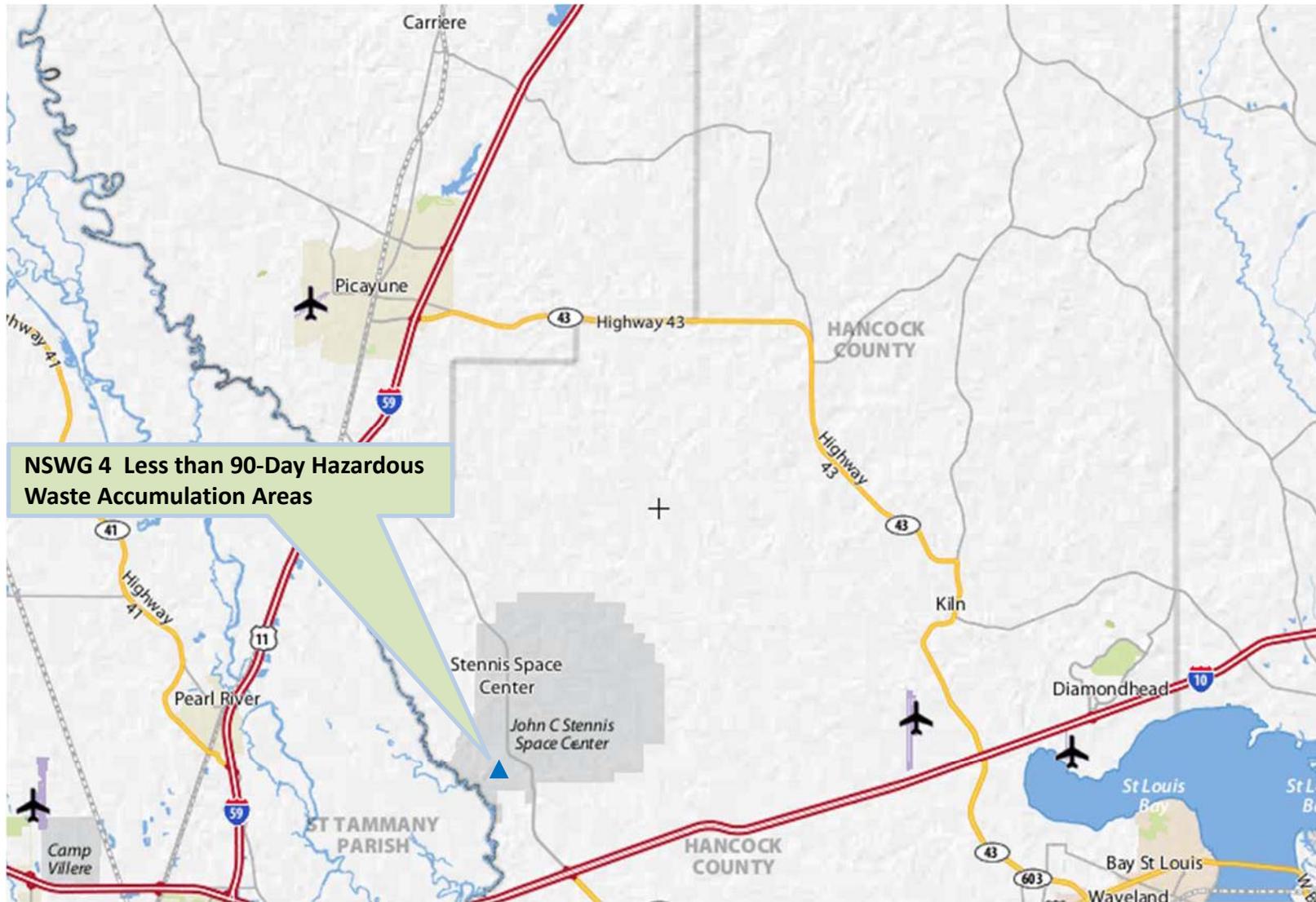
Figure 2: Site Location Map

Figure 3: Site Layout and Emergency Equipment Location Map (SBT-22)

Figure 4: Site Layout and Emergency Equipment Location Map (NAVSCIATTS)

Figure 5: Evacuation Routes and Muster Point Map (SBT-22)

Figure 6: Evacuation Routes and Muster Point Map (NAVSCIATTS)

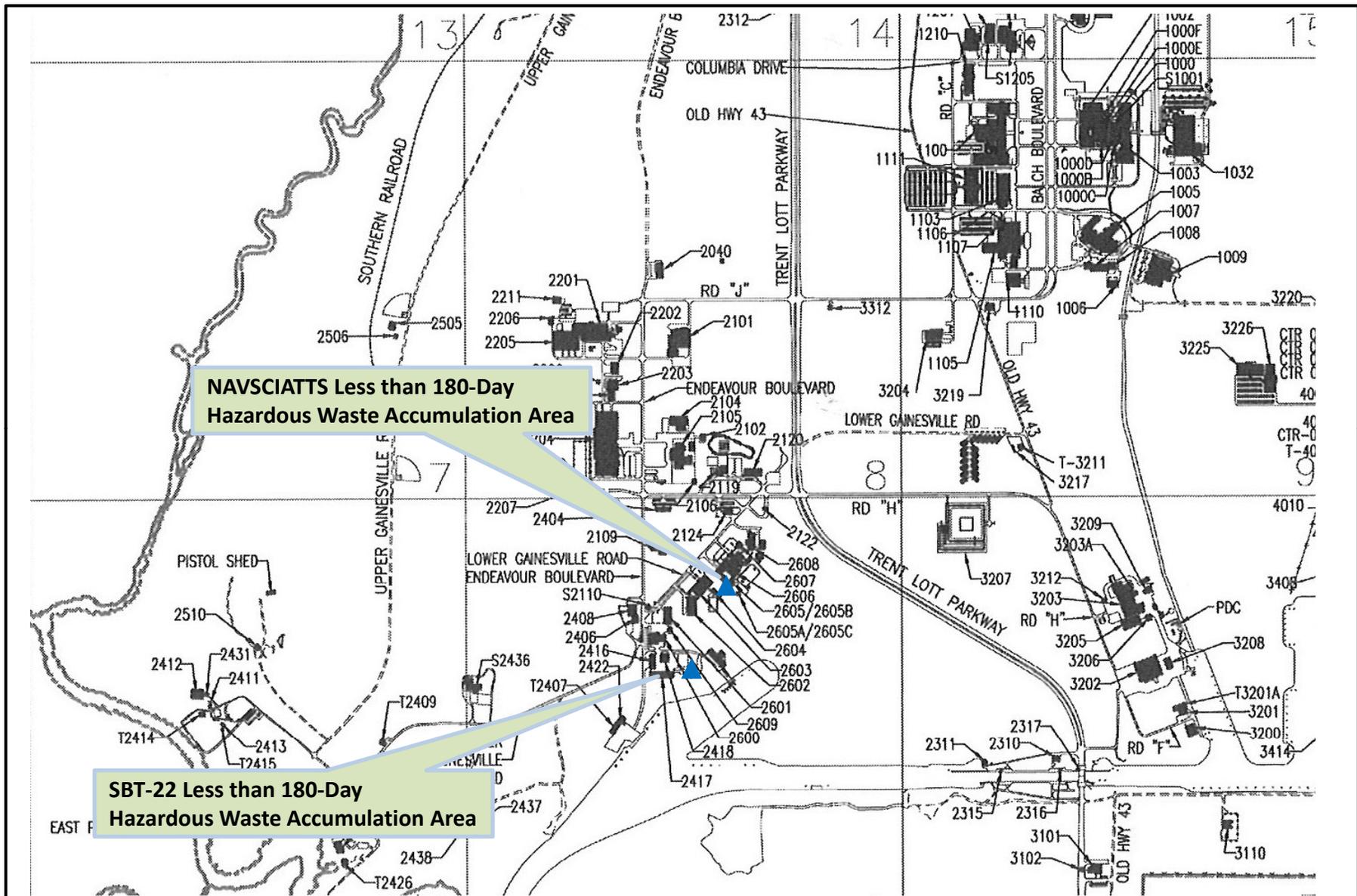


NSWG 4 Instruction 5090.2  
 Hazardous Waste Management Plan  
 Appendix F - Hazardous Waste Contingency Plan

**Naval Special Warfare Group 4, Stennis Space Center, Mississippi  
 Hazardous Waste Contingency Plan**

**General Location Map**

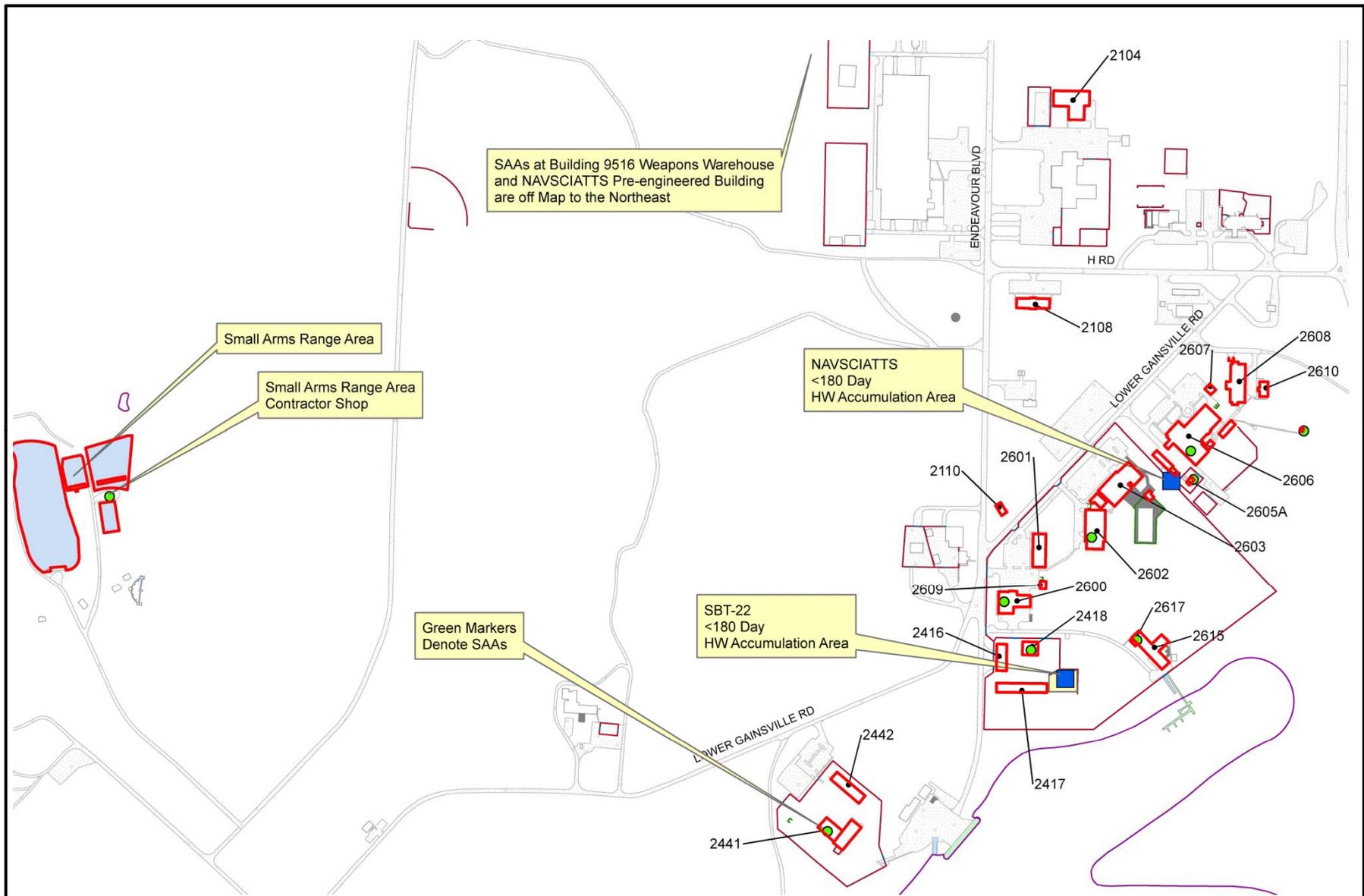
**Figure 1**



NSWG 4 Instruction 5090.2  
 Hazardous Waste Management Plan  
 Appendix F - Hazardous Waste Contingency Plan

**Naval Special Warfare Group FOUR, Stennis Space Center, MS  
 Hazardous Waste Contingency Plan  
 Site Location Map**

**Figure 2**

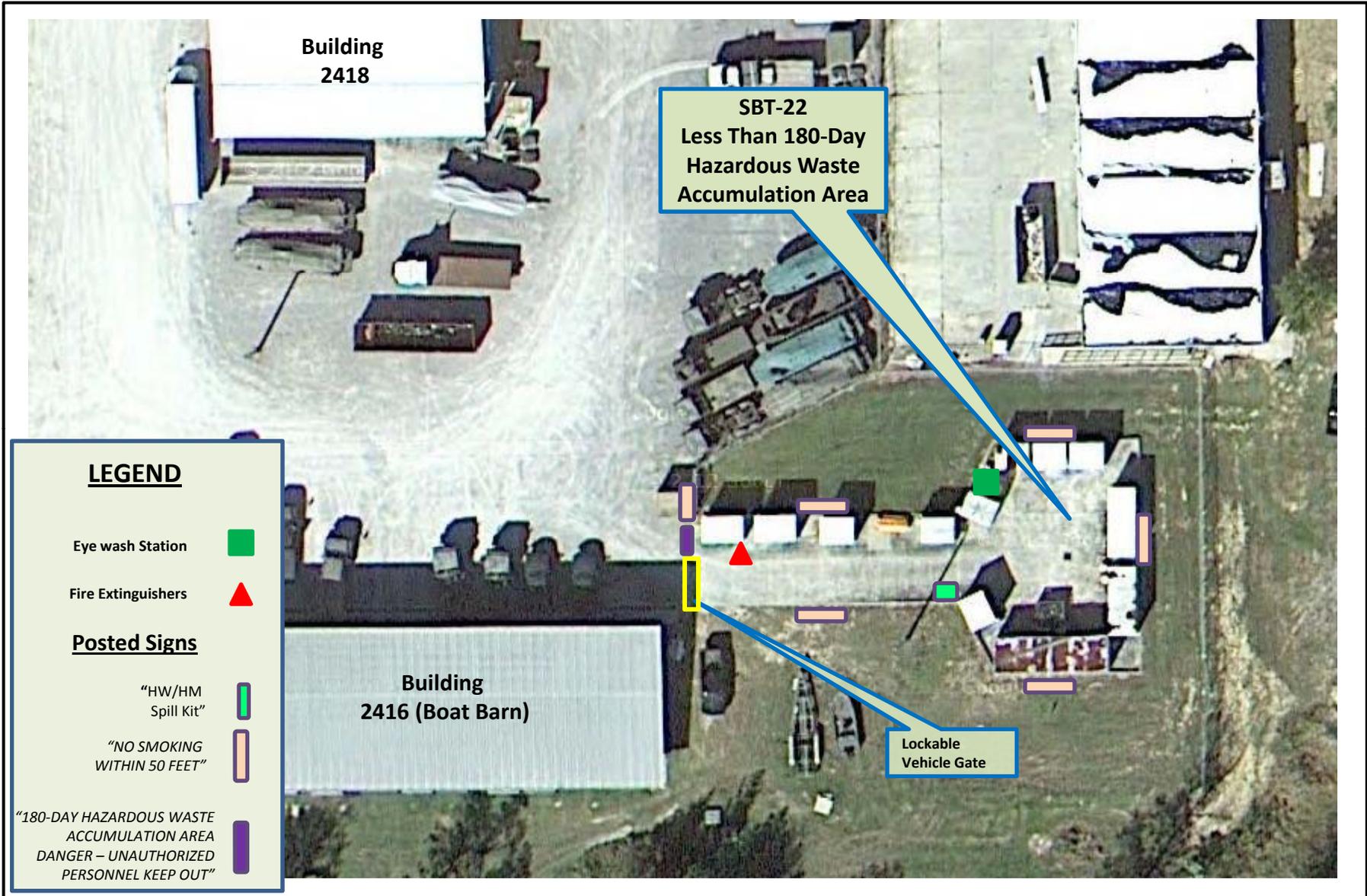


NSWG 4 Instruction 5090.2  
 Hazardous Waste Management Plan  
 Appendix F - Hazardous Waste Contingency Plan

**Naval Special Warfare Group 4, Stennis Space Center, Mississippi  
 Hazardous Waste Contingency Plan**

**NSWG FOUR Facilities - Satellite and <180 day Accumulation Areas**

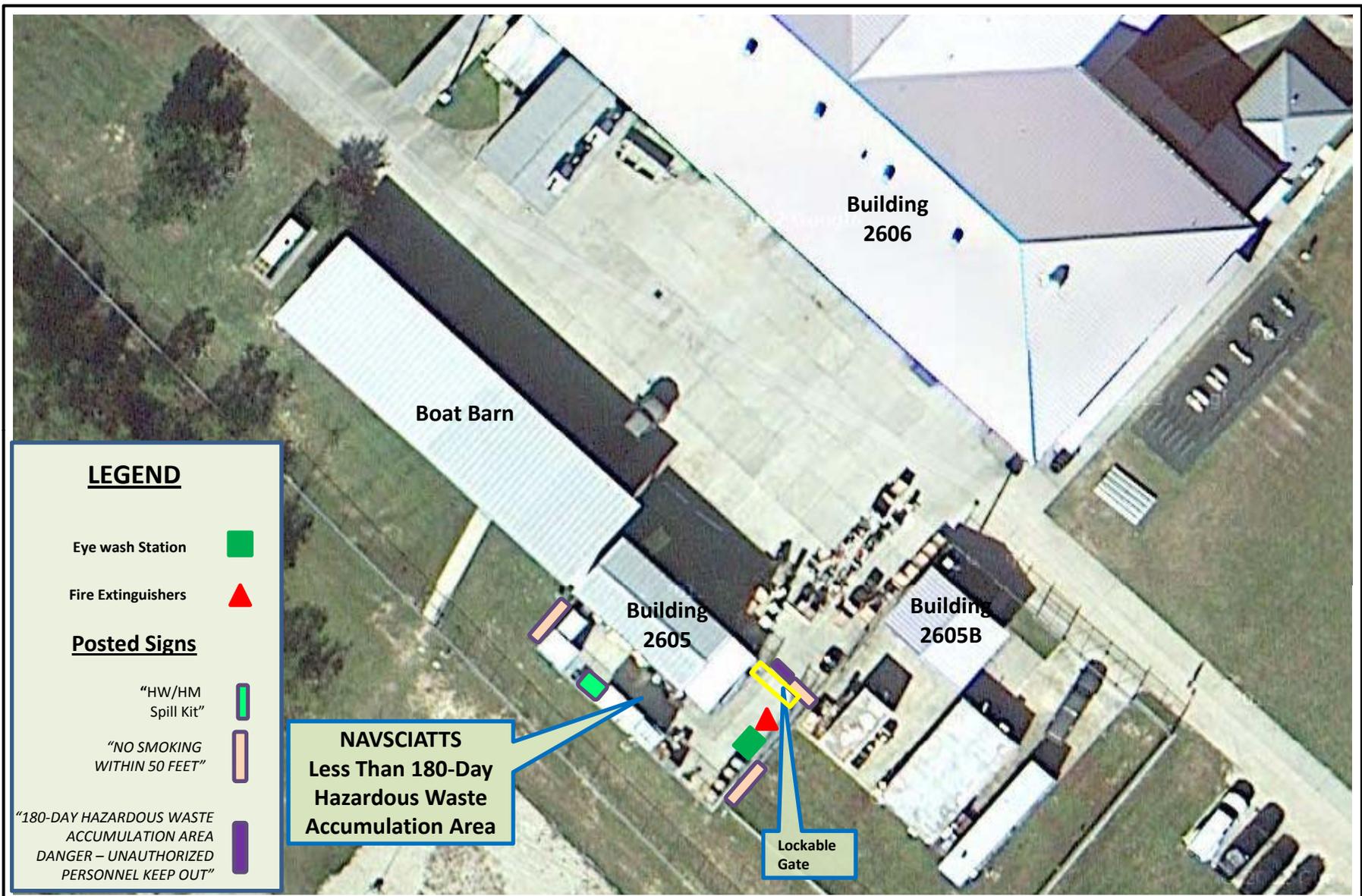
**Figure 2A**



NSWG 4 Instruction 5090.2  
 Hazardous Waste Management Plan  
 Appendix F - Hazardous Waste Contingency Plan

**Naval Special Warfare Group FOUR, Stennis Space Center, MS**  
**Hazardous Waste Contingency Plan**  
**Site Layout and Emergency Equipment Location Map (SBT-22)**

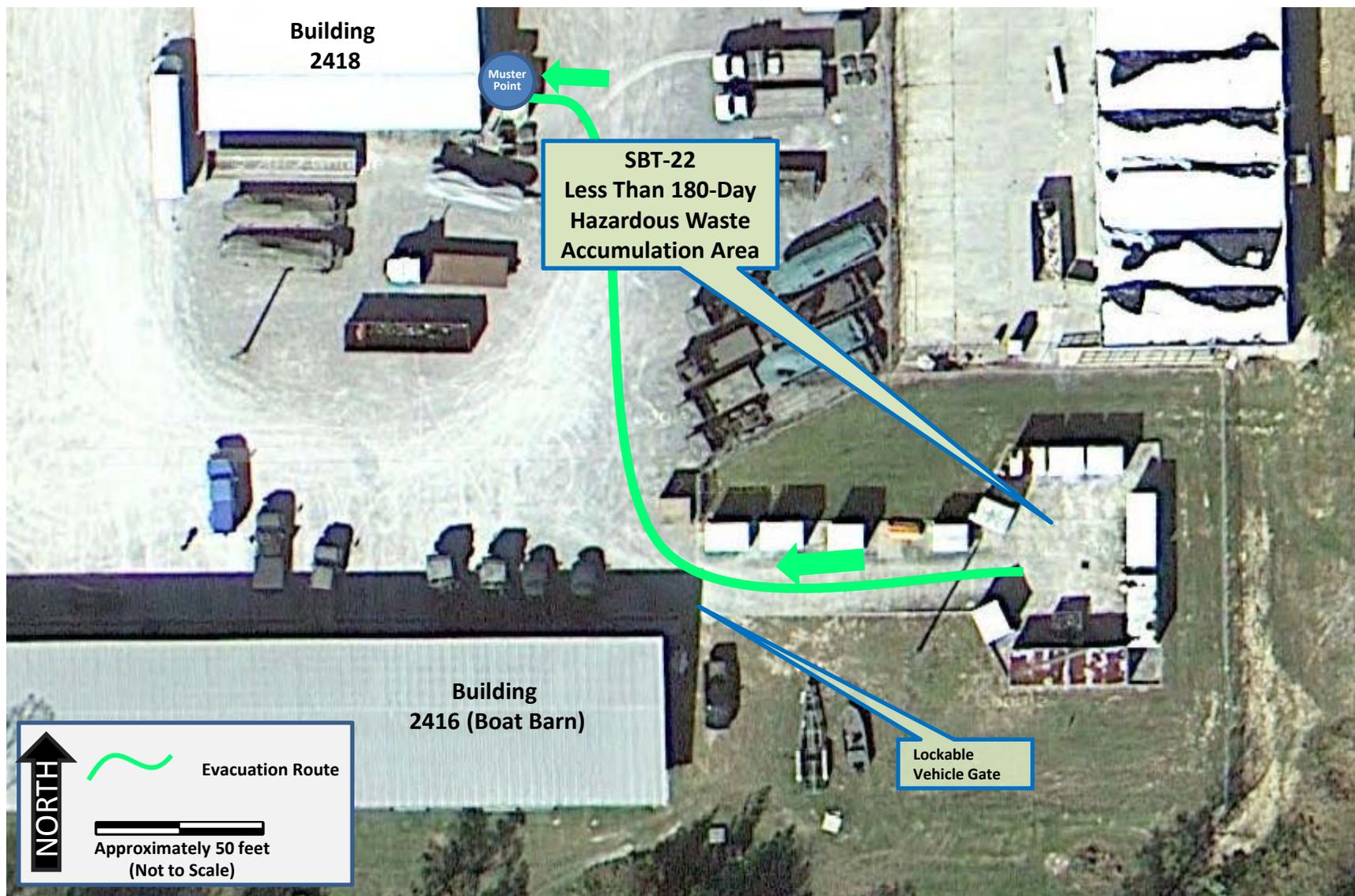
**Figure 3**



NSWG 4 Instruction 5090.2  
 Hazardous Waste Management Plan  
 Appendix F - Hazardous Waste Contingency Plan

**Naval Special Warfare Group FOUR, Stennis Space Center, MS  
 Hazardous Waste Contingency Plan  
 Site Layout and Emergency Equipment Location Map (NAVSCIATTS)**

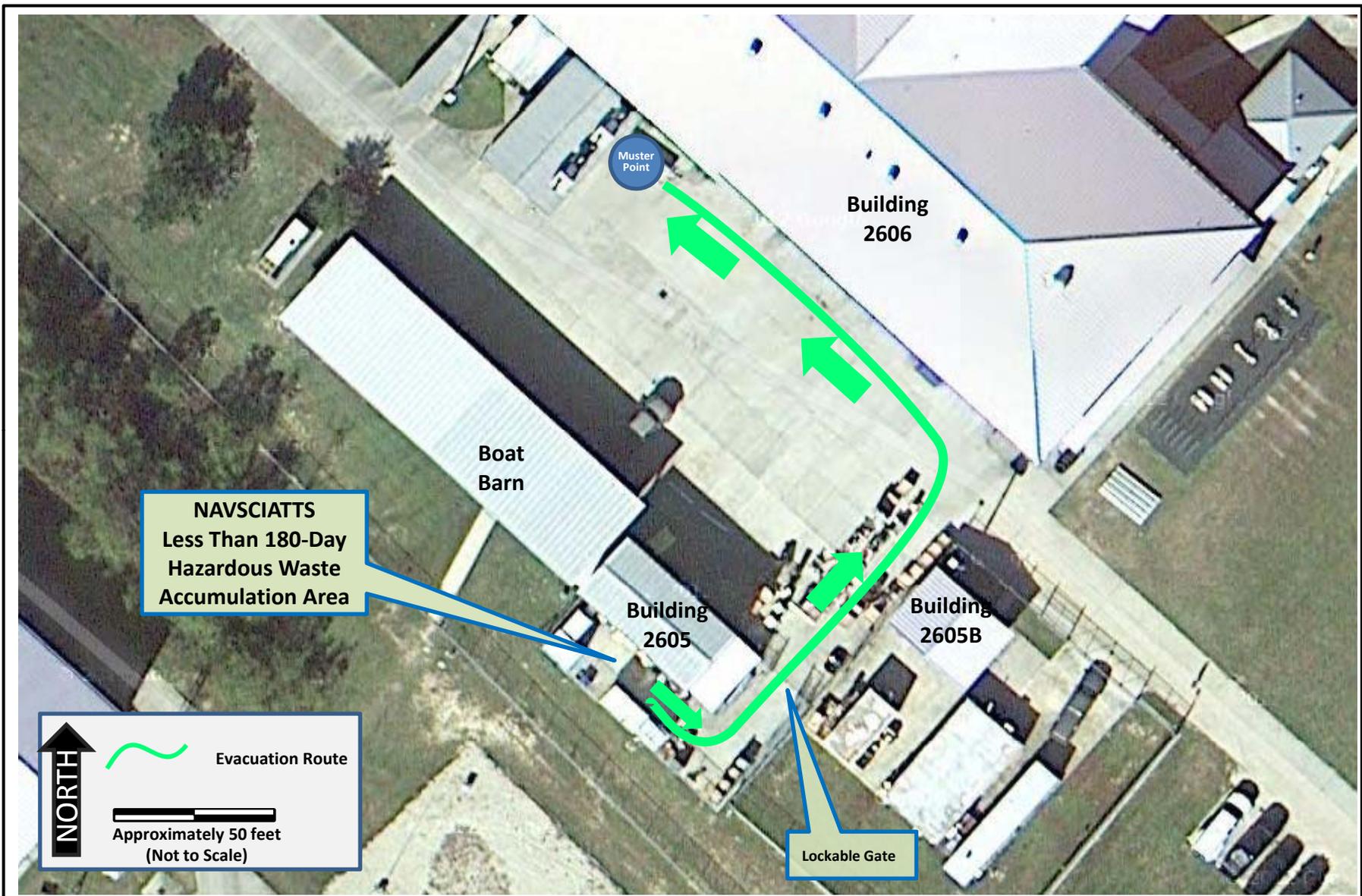
**Figure 4**



NSWG 4 Instruction 5090.2  
 Hazardous Waste Management Plan  
 Appendix F - Hazardous Waste Contingency Plan

**Naval Special Warfare Group FOUR, Stennis Space Center, MS  
 Hazardous Waste Contingency Plan  
 Evacuation Routes and Muster Point Map (SBT-22)**

**Figure 5**



NSWG 4 Instruction 5090.2  
 Hazardous Waste Management Plan  
 Appendix F - Hazardous Waste Contingency Plan

**Naval Special Warfare Group FOUR, Stennis Space Center, MS  
 Hazardous Waste Contingency Plan  
 Evacuation Routes and Muster Point Map (NAVSCIATTS)**

**Figure 6**

### **Attachments**

Attachment F-1	Emergency Telephone List
Attachment F-2	Emergency Response Coordinators Contact Information
Attachment F-3	Waste Characteristics Table
Attachment F-4	Emergency and Spill Response Equipment Available On Site
Attachment F-5	Emergency Reporting Forms
Attachment F-6	Local Emergency Response Agency Agreement Letters and Distribution List

## Attachment F-1

### Emergency Telephone List

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#### **Fire Department**

SSC Fire Department 911, or 228-688-3636 from cell phones

#### **Police Department**

SSC Security 911, or 228-688-3636 from cell phones  
Hancock County Sheriff's Office 228-467-5101

#### **Hospitals**

SSC Health Clinic 228-688-3810  
Building 8000 1st Floor  
Hours: 8:00 AM to 16:30 PM Mon.-Fri.

Northshore Regional Medical Center 985-649-7070  
Slidell, LA

Slidell Memorial Hospital 985-643-2200  
Slidell, LA

Hancock Medical Center 228-467-8600  
Bay St. Louis, MS

#### **Other Emergency Contacts**

Commander, Navy Region Southeast (CNRSE) 904-542-3118  
24-hour Regional Operations Center (ROC) 911, or 228-688-3636 from cell phones  
Ambulance Service 800-424-8802  
U.S. Coast Guard (National Response Center)  
Mississippi Emergency Management 601-352-9100 or 800-222-6362  
Agency 24-hour State Warning Point 228-466-8320  
Hancock County Emergency Management Agency 228-467-4510  
Hancock County Health Department  
Facility Operating Services Contractor (FOSC)  
Facilities Systems Department Facilities Systems  
Department, gas, electric, sewer 228-688-3810

**Attachment F-2**  
**Emergency Response Coordinators Contact Information**

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**This information must be kept up to date**

**Emergency Coordinator**  
**Telephone Numbers**  
**Location**

---

**PRIMARY EMERGENCY COORDINATOR**

MR. JOHNNY FINCH  
SBT22  
2603 LOWER GAINESVILLE ROAD  
STENNIS SPACE CENTER, MS 39529  
228-813-4000, EXT 13903

**ALTERNATE EMERGENCY COORDINATOR**

LS1 NGUYEN, PHUONG  
NAVSCIATTS- SUPPLY DEPT  
2606 LOWER GAINESVILLE ROAD  
STENNIS SPACE CENTER, MS 39529  
WORK: 228-813-4000 X12325  
CELL: 832-444-4793

**Attachment F-3 Waste Characteristics Table**  
**Waste Stream**  
**Hazardous Waste Codes**

**NAVAL SPECIAL WARFARE GROUP FOUR, STENNIS SPACE CENTER, MISSISSIPPI**

**ATTACHMENT F-3 - LIST OF WASTE STREAMS**

<b>Waste Stream</b>	<b>Waste Codes</b>	<b>Hazards</b>
Aerosol Cans	D001, D003, D035, others TBD	Igniteable, Reactive (pressure), Toxic
Impacted Soil from Range Cleanup	D008	Toxic (lead)
Lithium/SO2 Batteries	D003	Reactive
Off-Specification Gasoline	D001	Igniteable
Parts Washer Solvent (weapons cleaning)	D008	Toxic (lead)
Rags with Gravoxide, IPA, Laser Marking Spray	D010	Toxic (selenium)
Weapons Cleaning Residue/Rags	D008	Toxic (lead)
Used Oil	Used Oil	Used Oil
Off-Specification Diesel	Used Oil	Used Oil
Spent Fluorescent Lamps	Universal Waste	Universal Waste
Scrap Metal	Recyclable	Recyclable
Empty Refrigerant cylinders	Recyclable	Recyclable
Crushed and Drained Fuel Filters	Recyclable	Recyclable
Lead Acid Batteries	Recyclable	Recyclable
Recyclable Batteries	Recyclable	Recyclable
Used Tires	Recyclable	Recyclable
Crushed and Drained Oil Filters	Recyclable	Recyclable
Recyclable Metal from Range Cleanup	Recyclable	Recyclable
Abrasive Blast Media - Bicarbonate	Non-Hazardous	Non-Hazardous
Abrasive Blast Media - Garnet	Non-Hazardous	Non-Hazardous
Bag and Abrasive Media from Vacuum System	Non-Hazardous	Non-Hazardous
RCRA Empty Containers	Non-Hazardous	Non-Hazardous
Water Jet Abrasive Grit - Garnet	Non-Hazardous	Non-Hazardous
Aqueous Parts Washer Filter	Not Determined	Not Determined
Empty Herbicide Containers	Not Determined	Not Determined
Expired Shelf Life Materials	Not Determined	Not Determined
Floor Sweepings	Not Determined	Not Determined
Match House Floor Sweepings and Debris	Not Determined	Not Determined
Oil Water Separator Pumpout	Not Determined	Not Determined
Oily Granular absorbant	Not Determined	Not Determined
Oily Rags and Pads	Not Determined	Not Determined
Oily Skimmer Residue	Not Determined	Not Determined
Paint booth filters	Not Determined	Not Determined
Paint solids and debris	Not Determined	Not Determined
Parts Washer Filter Bag	Not Determined	Not Determined
Parts Washer Solvent	Not Determined	Not Determined
Rags with IPA	Not Determined	Not Determined
Range Targets	Not Determined	Not Determined
Sludge	Not Determined	Not Determined
Solidified polyurethane pour foam	Not Determined	Not Determined
Spent Aqueous Detergent Solution	Not Determined	Not Determined
Spill cleanup debris	Not Determined	Not Determined
Used Antifreeze	Not Determined	Not Determined
Used Hydraulic Shear Fluid	Not Determined	Not Determined
Used Oil	Not Determined	Not Determined

**Attachment F-4**  
**Emergency and Spill Response Equipment Available On Site**

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**Fire Extinguishing Systems**

- 4 ABC Dry Powder Systems in Hazardous Waste Lockers
- 7 Handheld ABC Dry Powder Extinguishers  
(Refer to site plan).

**Personnel Protective Equipment**

- Disposable coveralls
- Gloves (inner and outer)
- Goggles
- Face shields
- Hard Hats
- Ear protection
- Duct tape
- Boots
- Fire blanket
- Assorted first aid supplies
- Safety showers and eye washes

**Spill Response Equipment**

- Sorbent booms, pads and pillows
- Squeegees, brooms, buckets, mops
- Spark-proof shovels
- Sorbent sand
- Speedi-dry
- Acid neutralizing materials
- Base neutralizing materials
- Empty 55-gallon open head drums
- 85-gallon over pack drum

**Communication Equipment**

- 2-way radios
- Telephones

**Attachment F-5 Emergency Reporting Forms  
MANDATORY REPORTING FORM FOR EMERGENCY EVENTS**

**NAVAL SPECIAL WARFARE GROUP FOUR Environmental Coordinator**

2220 Schofield Road

Virginia Beach, VA 23459

(757) 763 4404

**Physical Location - 180-day Accumulation Area**

Building 2600, Lower Gainesville Road

Stennis Space Center, MS 39522

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Date, time, and type of incident (e.g., fire, explosion, etc.)

---

Name and quantity of material(s) involved

---

Extent of injuries (if any)

---

Assessment of actual or potential hazards to human health or the environment (if applicable)

---

Estimated quantity and dispositions of material recovered from the incident

**This report must be completed for any incident that required implementation of the Contingency Plan and must be kept in the official environmental files, and must be sent to the following within 15 days of the incident:**

Executive Director  
Mississippi Department of Environmental Quality  
P. O. Box 2261  
Jackson, MS 39225

**Attachment F-5 Emergency Reporting Forms**  
**OPTIONAL REPORTING FORM FOR EMERGENCY EVENTS**  
**NSWG FOUR 180-day Accumulation Area**

This supplemental information should be kept in the operating record for any incident that required implementation of the Contingency Plan. There is no requirement to report this data to outside agencies.

---

Emergency Report Incident No. \_\_\_\_\_

1. Type of emergency: Fire \_\_\_\_\_ Spill \_\_\_\_\_ Other \_\_\_\_\_

2. Alarm: Date \_\_\_\_\_ Time \_\_\_\_\_ Shift \_\_\_\_\_

3. Alarm sounded:  Yes,  No, By \_\_\_\_\_

4. Location of emergency \_\_\_\_\_

5. Description of emergency and property involved \_\_\_\_\_

6. Materials involved and their hazards \_\_\_\_\_

7. Cause of emergency \_\_\_\_\_

8. If fire, source of ignition \_\_\_\_\_

9. Narrative account of fire/spill control measures \_\_\_\_\_

10. Extinguishing agents used (itemize) \_\_\_\_\_

11. List other equipment used \_\_\_\_\_

12. All clear announced by \_\_\_\_\_

13. Alarm station reset \_\_\_\_\_

14. Emergency equipment restored to operating condition \_\_\_\_\_

15. Recommendations and remarks \_\_\_\_\_

16. Report Submitted By \_\_\_\_\_ Title \_\_\_\_\_

## **Appendix G**

### **Waste Stream Documentation Standard Operating Procedure**

## Table of Contents

	<b>Appendix G – Page</b>
Table of Contents .....	1
1.0 Purpose.....	2
2.0 Generator Knowledge .....	2
3.0 Sample Collection and Laboratory Analyses.....	2
4.0 Waste Stream Documentation Forms .....	3
5.0 Waste Profiles .....	3

### **Attachments:**

- G-1 Waste Stream Documentation Form
- G-2 Hazardous Waste Profile Sheet

## **1.0 Purpose**

NSWG FOUR is a small quantity generator (SQG) of hazardous waste (HW). Failure to properly manage waste in accordance with EPA and MDEQ regulations and Navy policy can potentially lead to a dangerous situation and unnecessary risk to the environment, and could result in notice of violation and significant liability to the Navy. NSWG FOUR must properly determine and document the characteristics of each waste stream to determine the required storage, on-site management, transportation and disposition methods for the waste.

The purpose of this Standard Operating Procedure (SOP) is to establish procedures for documenting the characteristics of regulated waste streams, including hazardous wastes, petroleum/oil/lubricant (POL) wastes, and universal wastes generated by NSWG FOUR.

## **2.0 Generator Knowledge**

A comprehensive inventory of wastes generated at NSWG FOUR should be maintained and updated as new wastes are generated or identified.

Each waste should be evaluated to determine whether it meets the definition of a "solid waste". If the waste does meet the definition of a "solid waste" it should be further evaluated to determine whether it is specifically excluded from RCRA regulations. If the waste is a solid waste that is not specifically excluded from RCRA regulations it should be further evaluated to determine whether it is a "listed" hazardous waste and, additionally, to determine whether it exhibits a characteristic of ignitability, corrosivity, reactivity, or toxicity. These evaluations may often be made on the basis of material and process knowledge including chemical data from Safety Data Sheets.

## **3.0 Sample Collection and Laboratory Analyses**

Generator knowledge may not always be sufficient to complete the waste stream determination, and may be supplemented as required by laboratory analysis of representative samples collected at the point of generation. The appropriate amount of waste should be sampled using the appropriate sampling techniques. Samples must be properly containerizing, stored, handled and delivered to the laboratory within the specified hold-time for the analytical method and sample matrix. Laboratory analyses should be conducted by a MDEQ-approved, National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and should be limited to the required set of parameters and analytical methods.

Specific analytical parameters and methods are required to evaluate whether used oil meets the used oil specification. Other wastes must be analyzed by the Toxicity characteristic Leaching Procedure (TCLP) to determine whether the exhibit the characteristic of Toxicity. Appropriate

analyses may also be required to determine whether a hazardous waste includes underlying hazardous constituents which may require Land Disposal Restrictions (LDR) notification.

#### **4.0 Waste Stream Documentation Forms**

WSD forms are required to document or put on record the pertinent information used to identify the waste type and the proper methods for accumulation, storage, transport, and disposal of regulated wastes.

WSDs should include the name and location of the activity generating the waste as well as the process and materials used, and the estimated amount of waste generated. The type and characteristics of the waste, applicable exemptions from hazardous waste regulations, treatment and disposal requirements, and shipping information should also be recorded on the WSD. The laboratory analytical results and user knowledge provided by personnel familiar with the materials and processes that generate the waste should also be detailed or attached to the WSD.

A copy of a recent version of a WSD Form used by NAVFAC SE is included in Attachment G-1.

#### **5.0 Waste Profiles**

Hazardous Waste Profile Sheets are used to consolidate information for waste streams with common waste management and transportation requirements. All waste streams with the same Waste Profile Identification Number can be stored, transported, and disposed of in a similar manner.

Hazardous Waste Profile Sheets should include all EPA Waste codes and all Underlying Hazardous Constituents (UHCs) applicable to any waste stream included on the profile. Applicable laboratory results and SDS data should also be attached.

A copy of the most recent version (October 2006) of Defense Reutilization and Marketing Service (DRMS) Form 1930 for the Hazardous Waste Profile Sheets is included in Attachment G-2.

**ATTACHMENT G-1**  
**WASTE STREAM DOCUMENTATION FORM**

**NAVAL SPECIAL WARFARE GROUP FOUR (Stennis Space Center, MS)  
Waste Stream Documentation Form**

Waste Profile Number:		Waste Stream Identification No.:
Generator Number: MSR000004929		Base Process Identification No.:
EPA Source Code:	Form Code:	Hazardous Waste Codes:

**A. GENERAL INFORMATION**

Command / Activity:		Building No.:
Work Center/Shop:		Work Center Phone No.:
Work Center Contact (Name):		Email address:
Waste Stream Name:		

**B. PROCESS INFORMATION**       New Process       Process Change       Process Review

**Process Description (include any storage requirements):**

Physical Property of Waste:       Solid       Liquid       Gas       Other: \_\_\_\_\_

Generation Rate:      Units:  Gallons OR  Pounds      Rate:  Month OR  Year

MATERIAL(S) used in the process

Material Name (include NSN if available)	Range or Concentration	MSDS No.

**C. EXEMPTIONS AND EXCLUSIONS**

1. Is the waste a "solid waste" according to §CFR 261.2?       Yes       No

If no, provide the regulatory exclusion or exemption citation.

***If No, A HW CHARACTERIZATION IS NOT REQUIRED - SKIP TO SECTION F***

2. Is the waste a solid waste excluded or exempted from hazardous waste regulations?       Yes       No

**NAVAL SPECIAL WARFARE GROUP FOUR (Stennis Space Center, MS)  
Waste Stream Documentation Form**

Waste Profile Number:	Waste Stream Identification No.:
Generator Number: MSR000004929	Base Process Identification No.:
EPA Source Code:	Form Code:
Hazardous Waste Codes:	

**C. EXEMPTIONS AND EXCLUSIONS (continued)**

If yes, provide the regulatory citation and justification:

***IF Yes, A HW CHARACTERIZATION IS NOT REQUIRED - SKIP TO SECTION F***

3. Is this Used Oil <b>OR</b> an off specification petroleum fuel managed under §CFR 279?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
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***IF Yes, A HW CHARACTERIZATION IS NOT REQUIRED - SKIP TO SECTION F***

4. Is the waste a Universal Waste managed under §CFR 273?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
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***IF Yes, A HW CHARACTERIZATION IS NOT REQUIRED - SKIP TO SECTION F***

**D. HAZARDOUS WASTE CHARACTERIZATION**

Based on: <input type="checkbox"/> User Knowledge <input type="checkbox"/> Analytical	Sample ID:
	Analytical Date:

**LISTED HAZARDOUS WASTE**

Is this an <b>F-listed</b> waste?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
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1. Are solvents listed in 40 CFR 261.31(a) present at 10% or more and used as a solvent? If yes, identify the solvents.	<input type="checkbox"/> Yes	<input type="checkbox"/> No
--	------------------------------	-----------------------------

Solvent:	Percent Before Use:	Waste Code:
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Solvent:	Percent Before Use:	Waste Code:
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Solvent:	Percent Before Use:	Waste Code:
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1a. Is this an <b>F-listed</b> waste from a specific process? If yes, identify the process.	<input type="checkbox"/> Yes	<input type="checkbox"/> No
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	Waste Code:
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2. Is this a <b>K-listed</b> waste from a specific source as listed in §261.32?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
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If yes, what is the process?	Waste Code:
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3. Is this a <b>P-listed</b> commercial chemical product; (i.e. a pure chemical or sole active ingredient) listed in §261.33(e)?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
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Provide the name of the listed chemical and its CAS number:	Waste Code:
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4. Is this a <b>U-listed</b> commercial chemical product; (i.e. a pure chemical or sole active ingredient) listed in §261.33(f)?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
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Provide the name of the listed chemical and its CAS number:	Waste Code:
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**Generators must determine if a waste exhibits any of the characteristics of a HW.**

**NAVAL SPECIAL WARFARE GROUP FOUR (Stennis Space Center, MS)  
Waste Stream Documentation Form**

Waste Profile Number:		Waste Stream Identification No.:
Generator Number: MSR000004929		Base Process Identification No.:
EPA Source Code:	Form Code:	Hazardous Waste Codes:

**HAZARDOUS WASTE CHARACTERISTICS**

<b>Is the waste Ignitable</b> per §261.21?		<b>Waste Code: D001</b>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
1. Is the waste a liquid with a flash point less than 140°F? >140°F	<b>Flash Point:</b>		<input type="checkbox"/> Yes	<input type="checkbox"/> No
2. Is the waste a <b>non-liquid</b> capable, under standard temperature and pressure, of causing fire through friction, absorption of moisture, or spontaneous chemical changes; and when ignited, burns so vigorously and persistently that it creates a hazard?			<input type="checkbox"/> Yes	<input type="checkbox"/> No
3. Is the waste an ignitable compressed gas as defined in 49 CFR 173.300?			<input type="checkbox"/> Yes	<input type="checkbox"/> No
4. Is the waste an oxidizer as defined by 49 CFR 173.151 (such as a chlorate or peroxide)?			<input type="checkbox"/> Yes	<input type="checkbox"/> No
<b>Is the waste Corrosive</b> per §261.22?		<b>Waste Code: D002</b>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
1. Is the waste an aqueous solution with a pH $\leq$ to 2 or $\geq$ 12.5?			<input type="checkbox"/> Yes	<input type="checkbox"/> No
2. Is the waste a liquid that corrodes steel at a rate of at least 0.25 inches per year?			<input type="checkbox"/> Yes	<input type="checkbox"/> No
<b>Is the waste Reactive</b> per §261.23?		<b>Waste Code: D003</b>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
1. Is the waste normally unstable and readily undergoes violent change without detonating?			<input type="checkbox"/> Yes	<input type="checkbox"/> No
2. <b>Water Reactive:</b> Does the waste react violently with water? <b>OR</b> Forms potentially explosive mixture with water? <b>OR</b> When mixed with water does the waste generate toxic gases, vapors, or fumes in a quantity dangerous to human health or the environment?			<input type="checkbox"/> Yes	<input type="checkbox"/> No
3. Is the waste a cyanide or sulfide compound that could react at a pH between 2 and 12.5 releasing toxic gases?			<input type="checkbox"/> Yes	<input type="checkbox"/> No
4. Is the waste capable of detonation or explosive reaction if subjected to strong ignition sources or when heated under confinement?			<input type="checkbox"/> Yes	<input type="checkbox"/> No
5. Is the waste readily capable of detonation or explosive decomposition or reaction at standard temperature and pressure?			<input type="checkbox"/> Yes	<input type="checkbox"/> No
6. Is the waste a forbidden, Class A, or Class B explosive as defined in 49 CFR 173.51, 173.53 or 173.88?			<input type="checkbox"/> Yes	<input type="checkbox"/> No
<b>Is the waste Toxic</b> per §261.24?		<b>Waste Code(s): D004-D043</b>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
User Knowledge or TCLP Analysis, explain?				

<b>Is the waste a characteristic waste?</b>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
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**E. TREATMENT AND DISPOSAL REQUIREMENTS**

1. Is the waste	<input type="checkbox"/> Recycled (Includes UW)?	<input type="checkbox"/> Burned for Energy Recovery (Includes Used Oil)?
	<input type="checkbox"/> Non hazardous?	<input type="checkbox"/> Discharged to CWA regulated unit?

***If Non Hazardous / Recycled (includes UW) or Burned for Energy Recovery Skip to Section F***

2. Is the required one time LDR completed for HW discharged to a CWA unit?	<input type="checkbox"/> NA	<input type="checkbox"/> Yes	<input type="checkbox"/> No
3. Is an exemption claimed from Land Disposal Restrictions (LDR), §268?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	

**NAVAL SPECIAL WARFARE GROUP FOUR (Stennis Space Center, MS)  
Waste Stream Documentation Form**

Waste Profile Number:		Waste Stream Identification No.:
Generator Number: MSR000004929		Base Process Identification No.:
EPA Source Code:	Form Code:	Hazardous Waste Codes:

If **yes**, explain and cite the exemption:

Treatment Group:  Wastewater (Contains <1% Total Organic Compounds and <1.0% Suspended Solids)  
 Non-wastewater (Not Wastewater)

EPA Code	Constituent	Concentration (Toxicity Characteristic Only)	Regulatory Limit	Subcategory	LDR Treatment Standard (from §268.40)

UHCs apply only to characteristic HW (UHCs requirements do not apply to high TOC Ignitable only waste)

4. Are there any Underlying Hazardous Constituents (UHC)? (**Characteristic Waste Only**)  Yes  No

Constituent	Universal Treatment Standard (from §268.48)	Constituent	Universal Treatment Standard (from §268.48)

**F. WASTE STREAM SUMMARY**

Waste Stream Name:

Waste Profile Number and Name:

**Shipping Information:**

Proper DOT Shipping Name and description:

Emergency Guide Book Number:      Emergency Guide Year:

EPA Waste Codes: N/A

**Comments:**

**Signature of HW Program Manager** Date

**ATTACHMENT G-2**  
**HAZARDOUS WASTE PROFILE SHEET**



