

HAZARDOUS MATERIAL CONTROL AND MANAGEMENT PLAN
NAVAL STATION NEWPORT
NEWPORT, RHODE ISLAND

PREPARED FOR:

Naval Station Newport
Newport, Rhode Island

January 2004

TABLE OF CONTENTS

	Page
TABLE OF CONTENTS	ii
RECORD OF AMENDMENTS	iii
DISTRIBUTION LIST	iv
1.0 INTRODUCTION	
1.1 Background	1
1.2 Mission Statement	1
1.3 Geographical Information	2
1.4 Purpose of Plan	2
1.5 Definitions	2
1.6 NAVSTA General Information	3
2.0 MANAGEMENT AND ADMINISTRATIVE ELEMENTS	
2.1 HM Management	5
2.2 Roles and Responsibilities	6
2.3 Facility Specific Uses of HM	10
3.0 STORAGE AND HANDLING PROCEDURES	12
3.1 Labeling and Marking	12
3.2 Packaging	12
3.3 General Storage Requirements	12
3.4 Segregation and Compatibility Information	13
3.5 Inspections	14
4.0 IMPLEMENTATION OF PLAN	16
4.1 Plan Approval	16
4.2 Plan Distribution	16
4.3 Plan Review and Amendments	16
4.4 Record of Amendments	17
5.0 AUTHORIZED USE LISTS	18
5.1 List of General Use Items	18
5.2 How to create/update AUL	18
6.0 HM PROCUREMENT PROCEDURES	20
6.1 Plan Approval	20
6.2 Plan Distribution	20
6.3 Plan Review and Amendment	20
6.3 Record of Amendments	20

TABLES

Table 1	List of General Use AUL Items	22
Table 2	HM Storage Areas General Information	23
Table 3	Summary of HM(s) Stored	41

APPENDICES

Appendix A	HM AUL/Request Form	57
Appendix B	HM Addition to AUL Form	58
Appendix C	HM Storage Area Inspection Form	65
Appendix D	Outstanding Container	67
Appendix E	HM Coordinators	70
Appendix F	Chemical Compatibility Chart Report	73
Appendix G	Acronyms	74

RECORD OF AMMENDMENTS

<i>Amendment Number</i>	<i>Date of Amendment</i>	<i>Nature of Amendment</i>	<i>Responsible Authority</i>
-----------------------------	------------------------------	--------------------------------	----------------------------------

Tenant Command	DISTRIBUTION DATE
Defense Commissary Agency, Northeast Region	
Defense Investigative Service, Investigative RA	
Defense Automated Printing Service Detachment Office, Newport	
Marine Corps Detachment	
Mobile Inshore Undersea Warfare Unit	
Naval Academy Preparatory School	
Naval Ambulatory Care Center (NACC)	
Naval Audit Service, Northeast Region	
Navy Band	
Naval Computer and Telecommunications Station, Atlantic Detachment Area Master Station	
Naval Criminal Investigative Service, Northeast Field Office	
Naval Dental Clinic	
Naval Education and Training Center (NETC)	
Naval Justice School	
Naval Legal Service Office Detachment	
Naval Regional Data Automations Center	
Naval Reserve Readiness Command - Region One	
Naval Training Meteorology and Oceanography Detachment, Newport	
Naval Undersea Warfare Center (NUWC)	
Naval War College (NWC)	
NAVFAC Contracts Office	

Navy Campus	
Navy Exchange (Naval Resale Service and Support Office)	
Northeast Navy Marine Corps Trial Judiciary Circuit Branch Office	
Office of Naval Intelligence Detachment	
Personnel Support Activity, New London	
Personnel Support Detachment, Newport	
Postal Services	
Senior Officer Ship Material Readiness Course (SOSMRC)	
Seventh Naval Construction Regiment	
Surface Warfare Officers School (SWOS) Command	
United States Coast Guard (USCG) Maintenance Facility	
First Coast Guard District	
USCG Cutter Juniper	
USCG Cutter Willow	
USCG Cutter Ida Lewis	
USA Meddac (Veterinarian)	

1.0 INTRODUCTION

1.1 Background

NAVSTA Newport's history dates back to 1658 when Benedict Arnold and John Green bought CHI, Goat Island and Dyer's Island from the Aquidneck Indians. The first recorded use of CHI was as a quarantine station for immigrants in 1721. Since then, the base has gone through many changes both physically and in mission. In 1994, the Navy discontinued the stationing of ships in Newport. The last of the Navy ships left in July 1994, and today the Naval Base is mainly a training command comprised of NAVSTA Newport and 37 tenant activities. Combined, NAVSTA Newport and tenants employ approximately 5,500 personnel.

1.2 Mission Statement

The mission of NAVSTA Newport is to maintain and operate facilities and provide services and materials to support operations for tenant activities, supported activities and visiting fleet units, and to perform other functions and tasks as may be directed by higher authority.

Over the years, this mission has evolved to include environmental protection efforts as required by federal, state, and local environmental regulations and directives. NAVSTA Newport has integrated environmental protection into all activities conducted as part of this installation's naval support mission.

1.3 Geographic Information

The NAVSTA Newport installation is located in Newport County, Rhode Island, along the east passage of Narragansett Bay. The complex is situated primarily along the west shore of Aquidneck Island. It is located partially within the city of Newport, and extends northward incorporating the entire west shoreline of the Town of Middletown and approximately one-fifth of the western shoreline of the Town of Portsmouth.

A locus plan of the NAVSTA Newport facilities is included as Figure 1 in the Figures Section of this Plan.

NAVSTA Newport can be accessed from Newport or Middletown using various guarded gates. Access from the water can be attained using the Narragansett Bay. Land use on and around NAVSTA Newport is residential, commercial, industrial, and Navy-related. The city of Newport, and the towns of Middletown and Portsmouth contain many residential neighborhoods, as well as, downtown business districts, tourist attractions, hotels and yacht clubs, marinas, and commercial boatyards.

The Station itself is made up of Naval Station (NAVSTA) Newport acting as the host command, and thirty seven tenant commands. These tenant commands are listed below:

- Defense Commissary Agency, Northeast Region
- Defense Investigative Service, Investigative RA
- Defense Automated Printing Service Detachment Office, Newport
- Marine Corps Detachment
- Mobile Inshore Undersea Warfare Unit
- Naval Academy Preparatory School
- Naval Ambulatory Care Center (NACC)
- Naval Audit Service, Northeast Region
- Navy Band
- Naval Computer and Telecommunications Station, Atlantic Detachment Area Master Station
- Naval Criminal Investigative Service, Northeast Field Office
- Naval Dental Clinic
- Naval Education and Training Center (NETC)
- Naval Justice School
- Naval Legal Service Office Detachment
- Naval Regional Data Automations Center
- Naval Reserve Readiness Command - Region One
- Naval Training Meteorology and Oceanography Detachment, Newport
- Naval Undersea Warfare Center (NUWC)
- Naval War College (NWC)
- NAVFAC Contracts Office
- Navy Campus
- Navy Exchange (Naval Resale Service and Support Office)
- Northeast Navy Marine Corps Trial Judiciary Circuit Branch Office
- Office of Naval Intelligence Detachment
- Personnel Support Activity, New London
- Personnel Support Detachment, Newport
- Postal Services
- Senior Officer Ship Material Readiness Course (SOSMRC)
- Seventh Naval Construction Regiment
- Surface Warfare Officers School (SWOS) Command
- United States Coast Guard (USCG) Maintenance Facility
- First Coast Guard District
- USCG Cutter Juniper
- USCG Cutter Willow
- USCG Cutter Ida Lewis
- USA Meddac (Veterinarian)

All tenant commands are required to participate and follow the host command's HMC&M program.

1.4 Purpose of Plan

The purpose of this plan is to promote and protect the health and safety of all workers and the environment through an effective hazardous material control and management (HMC&M) program.

The Scope of this Plan is limited to issue, storage, use and management of HM. Spills or releases of HM are not addressed by this Plan. NAVSTA Newport has developed and implemented autonomous spill prevention/contingency plans to address the spills and releases of these materials.

1.5 Definitions

The following definitions are commonly used in the environmental community with respect to HM management. They are provided here as a resource only.

a. *Authorized Use List (AUL)*. A list of HM authorized by the HMC&M Committee for use by various departments and tenant commands. All general use items have been placed on each individual work center, division, department, or tenant command's AUL. There are no longer two separate AUL lists.

b. *Consolidated HM Reutilization Implementation Management Program (CHRIMP)*. The Navy uses the CHRIMP methodology to achieve life cycle HM control and management (HMC&M) and pollution prevention (P2) initiatives at the command and facility levels.

c. *Environment*. The navigable waters, waters of the contiguous zone, and any other surface water, groundwater, drinking water supply, land surface and subsurface strata, or ambient air under the jurisdiction of the United States.

d. *Hazardous Material (HM)*. Any material that because of its quantity, concentration, physical, chemical, or infectious characteristics may pose a substantial hazard to human health, property, or the environment when treated, handled, used, packaged, stored, transported, or disposed. This includes ignitable, corrosive, reactive, or toxic material but excludes ammunition, weapons, explosives, explosive actuated devices, weapon propellants, pyrotechnics, chemical and biological warfare materials, radioactive materials, medical and pharmaceutical supplies, and bulk fuels.

e. *Hazardous Material Center (HMC)*. The centralized location where HW generation is avoided by minimizing and controlling HM acquisition and use, and by applying management, engineering, and equipment to current Navy processes and

procedures.

f. *Hazardous Substance Management System (HSMS)*. A software system used by most HM centers to track and control the location, issue and use of HM on the Station.

g. *Material Safety Data Sheet (MSDS)*. An MSDS identifies all the important details regarding a specific chemical. An MSDS should contain the following information:

- (1) Identity of the product including any hazardous ingredients.
- (2) The product's physical and chemical characteristics.
- (3) The physical and health hazards associated with the product.
- (4) The safety procedures and equipment recommended for using the product.

h. *Hazardous Waste (HW)*. Any discarded or abandoned hazardous substance as defined in 40 CFR 261 or applicable state regulations where the state has been granted enforcement authority by the Environmental Protection Agency (EPA). It may include any discarded liquid, semi-solid, solid, or containerized gaseous material.

i. *Release/Spill*. Synonymous term as defined by Section 101 of CERCLA, relating to the intentional or accidental loss, including any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing of a hazardous substance into the environment.

2.0 MANAGEMENT AND ADMINISTRATIVE ELEMENTS

2.1 HM Management

NAVSTA Newport began implementing CHRIMP in 1995. The CHRIMP philosophy is implemented by using the HM Center in Building 1166CC operated by the Supply Center (N4112). The facility centrally purchases, inventories, tracks and issues all types of HM used throughout NAVSTA Newport and accepts unused portions for reissue at no cost. All departments and NAVSTA tenants are required to utilize the HM Center to purchase all HM. NAVSTA Newport is currently undergoing the re-CHRIMP-ing process due to flaws in the updated version of the HSMS software system. The estimated completion date is the end of Fiscal Year 2004.

The HM Center uses the HSMS computer tracking system to manage and track HM usage throughout the Newport Naval Complex. HSMS has been in use since March 1998. Operational characteristics of the CHRIMP/HM program are as follows:

- a. All HM must be obtained from the HM center by either ordering it from the HM center and having it delivered to a designated location by HM personnel, or by sending an authorized individual to the HM center to pick it up.
- b. In general, a 7-day supply of any HM will be issued to the user. Any unused material (including the empty container) must be returned to the HM center before a user will be issued any additional material. A limited number of materials that are consumed at a slow rate are allowed to remain "in use" at the work location for longer periods of time.
- c. Supply Operation (N4112) personnel purchase all of the HM issued by the HM Center. NAVSTA Newport and all tenant commands transfer funds to Supply Operations at the beginning of each fiscal year to cover these costs. As the HM is used, it is charged against the department or tenant command's transferred funds until they are spent. Material that is reissued (i.e., a partially full container was returned to the center and then reissued) is free to the user's command.
- d. HM purchases are approved and controlled through use of the AULs (sample AUL included as Appendix A). New materials needed must be approved and added to the AUL using the AUL addition form (included as appendix B), prior to purchase and use. AULs are updated as items are added or deleted from the list. All AULs will be reviewed and updated at least annually.

2.2 Roles and Responsibilities

a. *The Commanding Officer (CO) of NAVSTA Newport is ultimately responsible for the implementation of this Plan. The CO of NAVSTA Newport has delegated to the Environmental Protection Department, the responsibility of base-wide implementation of this Plan and to ensure that each tenant command maintains compliance to this Plan. Each tenant command has designated a HM Coordinator who is responsible for implementation of this Plan within their respective command. This list is constantly updated as a result of personnel changes, therefore a list of HM Coordinator represented by Codes is provided in Appendix C.*

b. *HM Control and Management (HMC&M) Committee shall:*

(1) Issue local procedures to control, track, use, label, store, and reduce the variety and quantity of HM in use at NAVSTA Newport. The committee will ensure proper procedures are in place to effectively control the storage and disposal of any HM determined to be HW.

(2) The HMC&M Committee shall be composed of personnel from the following:

(a) Environmental Protection Division (N8N)

(b) Safety Office (N9N)

(c) Supply Operations (N411)

(d) HAZMIN Center (N4112)

(e) Engineering Division (N32)

(f) Tenant Command representatives

(3) Monitor the HM program, provide training and guidance for HM Coordinators, conduct quarterly HM meetings, make recommendations about program changes to the Commanding Officer through the minutes of each meeting.

(4) Identify HM needed to meet mission requirements. Where applicable, the HMC&M Committee shall substitute less HM and limit the quantities of HM acquired and stored.

c. *HM Minimization Center (HMC) (N4112) shall:*

(1) Exercise life-cycle control over HM at NAVSTA Newport. This includes acquisition, storage, issue, and

disposition per the Consolidated HM Reutilization and Inventory Management Program (CHRIMP).

(2) Purchase all HM for NAVSTA Newport storefronts, work centers, divisions, departments, and tenant commands. Some specific work centers shall be allowed to purchase certain types of HM after the HM has been CHRIMPed by the HMC. These include (but not limited to) pesticides, herbicides, medical and dental products purchased by the pest shop and Naval Ambulatory Care Center respectively.

(3) Labeling and marking of HM containers is a function of the manufacturer, importer, or distributor. HM received from the manufacturer, importer, or distributor which is improperly or incompletely labeled shall not be accepted and will be returned to the manufacturer by HMC personnel.

(4) Ensure all requests for HM per established AULs are approved even for one-time uses.

(5) The following items are considered articles and may be purchased by the customer with the purchase card:

- (a) Alkaline batteries
- (b) White out (pen type)
- (c) Toner cartridges
- (d) Thermometers

(6) Maintain an active list of HM primary and secondary personnel for each cost center listed in the HSMS data base.

(7) Purchase and store only the 20 approved paint colors under the paint minimization program.

(8) Issue outstanding container reports by the fifth of every month to all departments.

(9) Maintain a master file of MSDS at the HMC.

d. *Environmental Protection Department (N8N) shall:*

- (1) Serve as chairperson for the HMC&M committee.
- (2) Review and update this plan as required.
- (3) Screen AUL addition requests.
- (4) Dispose of HW generated by HMC.

(5) Maintain an active list of HM coordinators.

(6) Conduct training for HM coordinators on an annual basis, as a minimum.

e. *Supply Operations (N411) shall:*

(1) Oversee operations of the HAZMIN Center, including ordering, stocking, labeling, separating, mixing concentrates, delivery, etc.

(2) Update and maintain the supply portion of the HSMS program, and issue, track and deliver HM to customers.

(3) Assist in reviewing and updating this instruction as required.

(4) Update and maintain AULs for store fronts, work centers, divisions, departments and tenant commands of NAVSTA Newport. Maintain the AUL on the Intranet for coordinators to review as necessary.

(5) Purchase and store only the approved paint colors for use at NAVSTA Newport.

(6) Issue outstanding container reports monthly to customers of the HMC.

f. *Safety (N9N) shall:*

(1) Address any questions concerning proper HM storage.

(2) Screen AUL addition requests.

(3) Provide Hazardous Communication (HAZCOM) training, per references (f) and (h), to new employees as required and to supervisors annually.

(4) Perform inspections of HM storage areas at least annually issuing NAVOSH deficiency reports to any site that is out of compliance with any applicable regulation.

(5) Update and maintain the safety training portion of the HSMS program.

g. *Customer Support Division (N412P) shall:*

(1) Process only the HM requests which have been stamped with the CHRIMP approval stamp from the HMC (no exceptions).

(2) Perform audits on the Purchase card purchase programs, including the review of individual receipts, looking for the purchase of HM.

(3) Submit a semi-annual report to the HMC&M Committee listing those employees who used the purchase card to order HM during the proceeding quarter.

h. NAVSTA Newport Department Heads and Tenant Commands shall:

(1) Provide, in writing to N8N, their designated HM coordinators.

(2) Ensure the contents of this instruction and the HMC&M Program within their scope of responsibility are implemented and enforced.

(3) Ensure personnel in charge of running the purchase card program perform audits on purchases, including a review of individual receipts looking for unauthorized purchases of HM.

(4) Ensure the purchase card is removed from any employee who orders and pays for HM using their card more than once per year.

(5) Ensure all construction, and repair work call for the use of one of the approved paint colors.

i. NAVSTA Newport Departments and Tenant Command Supervisors

(1) Ensure outstanding containers are returned to the HMC. Fill out appendix F within seven days of receiving the outstanding container report for those containers that have been lost or disposed of improperly.

(2) Supervisors shall ensure new employees are HAZCOM trained and schedule a "job-specific" training session on the HM used within the employee's workplace. Whenever a new HM is introduced into the work environment, employees shall be briefed on the product and become familiar with the MSDS.

(3) Personal protective equipment (PPE), such as goggles, rubber gloves, face shield, aprons, and respirators, must be worn while handling HM as required by the MSDS. Employees shall be trained to use the HM per the MSDS by their supervisors.

(4) Ensure all construction and repair work calls for the use of one of the approved colors of paint.

j. *HM Coordinators shall:*

(1) Ensure each of your work centers comply with applicable elements of the HMC&M Program.

(2) Ensure HM requests are valid. They shall act as the work centers' representative for all HM-related materials.

(3) Ensure outstanding HM containers are returned to the HMC. Containers which have been in use for two months or more must be returned to HMC for container verification and re-issue.

(4) Ensure all containers are properly packaged, stored, labeled, and secured properly.

(5) Maintain an MSDS for each item on the AUL list.

(6) Attend annual training for HM coordinators.

(7) Inspect weekly each work center storage location. Keep inspection report on file for inspection purposes.

(8) Ensure all construction and repair work calls for the use of one of the approved colors of paint.

k. *NAVSTA Newport Department and Tenant Command Personnel shall:*

(1) Purchase all HM through the HMC.

(2) Use the appropriate PPE as designated in the MSDS.

(3) Ensure HM is used in the intended manner, ensuring the safety of the individual using it.

(4) Report any HM found in an unauthorized area to the HMC immediately at 841-4725. Unauthorized areas include but are not limited to solid waste dumpsters, unattended outdoor areas, inside unattended buildings, etc.

(5) Ensure all construction and repair work calls for the use of one of the approved colors of paint.

2.3 Facility Specific Uses of HM

Hazardous materials are used and stored in various types and quantities throughout the NAVSTA Newport installation. These chemicals are used in a variety of processes including:

- Boiler maintenance.
- Photo developing.
- General facility maintenance.
- Personnel training.
- Medical and dental procedures.
- Pool maintenance. and
- Equipment maintenance.

An inventory of the storage areas at NAVSTA Newport where HM are currently stored is included in Table 2, HM Storage Areas General Information. The types and quantities of HM stored in these areas are included in Table 3, Summary of HM(s) Stored.

3.0 STORAGE AND HANDLING PROCEDURES

3.1 Labeling and Marking

The side of each container of HM(s) must be clearly labeled at all times the container is in storage. Each container of HM should be labeled with the proper chemical or trade name, the corresponding hazard warning for the chemical, and the name, address, and phone number of the chemical manufacturer. Containers should be positioned so that labels face towards aisles or access ways to allow for clear and easy inspection of the labels.

When HM are transferred from one container to another, the appropriate labeling information must also be completed and applied to the new container. This task is the responsibility of the person conducting the transfer.

3.2 Packaging

Containers used to hold HM must be in good condition (e.g., no severe rusting, no apparent structural defects). Containers which are not in good condition or which begin to leak should be transferred to a container that is in good condition, or managed in some other way to ensure the HM is not spilled or released.

HM must also be compatible with the containers in which they are stored. HM should be stored in a container made of or lined with materials which will not react with, and are otherwise compatible with, the HM being stored.

3.3 General Storage Requirements

Containers holding HM should be closed when not in use to prevent potential spills or releases from occurring. In the event that Federal, State or local regulations require a container to be vented, the container shall be vented in a manner that does not present a threat to public health, safety, or welfare or the environment. Containers of HM should be stored in areas with an impervious surface to minimize the potential for spilled/released materials to enter the environment or migrate beyond the immediate area. Containers of HM stored in areas which are not equipped with impervious surfaces should be provided with some form of secondary containment (i.e., containment tray/pallet, berm, storage locker with containment basin).

Additionally, a container holding HM should not be opened, handled or stored in a manner which may rupture the container or cause it to leak. If containers are stacked, they should be

stacked in a manner that allows the containers to be easily and safely inspected.

HM should also be stored in a manner which allows for adequate aisle spacing between containers or rows of containers. Aisle spacing for containers should be adequate to allow for easy access and inspection of each container within the specific storage area. Aisle spacing for container storage of ignitable or reactive materials should meet the guidelines set forth in the National Fire Protection Association's Flammable and Combustible Code (NFPA-30). Additionally, any areas used to store ignitable or reactive materials should be clearly marked with "No Smoking" signs to minimize the potential for fires.

3.4 Segregation and Compatibility Information

Many HM, when mixed with other materials, can produce effects which are harmful to human health and the environment, such as:

- heat or pressure.
- fire or explosion.
- violent reaction.
- toxic dusts, mists, fumes, or gases, or flammable fumes or gases. or
- flammable fumes or gases.

In order to avoid potential reactions, incompatible HM should be segregated. Segregation is accomplished by the use of chemical storage lockers and/or cabinets, and containment devices. Some general segregation precautions which should be taken include separation and protection from sources of ignition or reaction which include, but are not limited to:

- Open flames.
- Smoking.
- Cutting and welding.
- Hot surfaces.
- Frictional heat.
- Static, electrical, or mechanical sparks.
- Spontaneous ignition, e.g., from heat producing chemical reactions.
- Radiant heat. and
- Incompatible HM.

A chemical compatibility chart, outlining various incompatible chemicals and chemical groups is included as Appendix D.

At Naval Station Newport, the following types of chemicals are separated:

Acids	Store in caustic acid locker
Bases	Store in caustic base locker
Flammables	Store in a flammable locker
Oxidizers	Store in cool, dry area away from flammables
Non-regulated	Store in gray locker labeled non-regulated HM
Pesticides	Not allowed to store, return to pest shop

Various types of lockers are available for storage of the different categories of chemicals at the environmental warehouse located in building 15CC.

3.5 Inspections

In order to insure compliance with this Plan, visual inspections of all HM storage areas will be conducted on a monthly basis. These inspections are conducted to identify malfunctions, deterioration, operator error, and deficiencies which may cause or lead to spills/releases of HM. HM Coordinators are responsible for ensuring that these inspections are conducted at appropriate intervals. The inspections will be conducted to check for the following items:

- a. All containers will be examined to ensure they are properly closed.
- b. All containers will be examined to ensure they are in good condition.
- c. All containers will be examined to ensure they are properly labeled. Additionally, all containers will be examined to ensure labels are clearly visible and facing the aisles.
- d. The area will be inspected to ensure there is adequate aisle space between containers.
- e. The area will be checked to ensure proper segregation of incompatible containers.
- f. The containers and surrounding areas will be checked for signs of spills or leaks.
- g. All storage areas and containment systems will be inspected for integrity and the accumulation of spilled material.

If a problem is detected during the inspection, the HM Coordinators will promptly correct the deficiency. Should the inspection reveal an actual spill or leak, or potential for spillage or leakage, the Environmental Protection Department will be notified immediately.

All inspections must be documented through the use of the Inspection Form contained in Appendix E of this Plan. The Inspection Form will be signed and retained by the HM Coordinator and presented for review during an inspection.

4.0 HAZARDOUS MATERIAL PROCUREMENT PROCEDURES

4.1 Background: NAVSTA Newport has established a Consolidated HM Reutilization and Inventory Management Program (CHRIMP) HM Center (HMC). The HMC is a centralized facility which supplies and tracks HM usage throughout the NAVSTA Newport facility. The HMC tracks HM from procurement through disposal through the use of a Hazardous Substance Management System (HSMS). The HSMS tracks HM usage within NAVSTA Newport and tenant commands. Benefits include personnel safety, environmental protection, savings in material purchase, excess, and waste, and savings in personnel and facility costs without degradation of operational readiness. The HMC is under the direction of the NAVSTA Newport Supply Department so that procurement of HM within the command can be fully integrated with the HMC. The HMC uses a bar code system for tracking and maintaining an inventory of HM used in the day-to-day operation of the base.

4.2 AUL/Request Form: As HM are needed throughout the facility, the work center needing the HM completes a HM AUL/ Request Form, included as Appendix A. Requests are processed by the HMC to ensure that the work center is authorized to use the HM (by review of the work center's AUL) and to see if the HM is available for reissue. Provided the work center is authorized for the material requested, the HMC issues the HM. If a HM is not currently in stock at the HMC, the HMC will acquire it from outside sources.

The HM will be delivered to the HMC where it will be inventoried, bar-coded and issued to the work center. Work centers are authorized to store only a 7-day supply of HM on hand. As additional HM is needed, the procurement process is repeated. Procurement will be controlled to assure only authorized HM is obtained. Authorized HM shall be requested in sufficient quantity to accomplish the specific tasking. The purchasing of excess HM is prohibited.

4.3 Addition to the AUL: If a HM is not on the cost center's existing AUL, the cost center will add the item using appendix B. Once the item is added, the HM center will purchase the item for the cost center.

4.4 Completion of Work: When the work center is finished with the HM, any unused portion of the HM, and the original container, is returned to the HMC. NAVSTA Newport uses the monthly Outstanding Container Report to ensure HM and empty containers are returned to the HMC. This report is sent by the HMC to all NAVSTA Newport department and tenant commands that have HM or containers that have not been returned within 30 days. The

Outstanding Container Reports are sent to the HM Coordinator in each department or tenant command at NAVSTA Newport. If the HM is not returned, the person who drew the material out cannot receive any additional material from the HMC. A sample Outstanding Container Report is included as Appendix F.

4.5 Contractors: Contractors must be informed of HM to which they may be exposed at NAVSTA Newport. Contractors will submit to the contracting office for review and approval copies of the MSDS for all HM items which they will bring on site during the contract work. Contractors are required to inform appropriate NAVSTA Newport supervisory personnel of HM to which Navy personnel may be exposed as a result of contractor work. Contractors must also ensure that all MSDS for their HM are available on site and accessible to NAVSTA Newport personnel.

5.0 AUTHORIZED USE LISTS

NAVSTA Newport has implemented a HM Control and Management (HMC&M) Program that addresses the use of Authorized Use Lists (AULs) within all NAVSTA Newport and tenant commands. A work center is limited to using only the HM listed on its Work Center's AUL. With the installation of the Hazardous Substance Management System (HSMS) software, all general use items are listed on all work center specific AULs.

5.1 List of General Use Items

The HMC&M Committee has developed a list of general use items composed of the most common, least HM used at NAVSTA Newport. All NAVSTA Newport work centers are automatically authorized to use any material on the list of general use items. These items are shown in table 5.1 below and are now included on each individual Work Center AUL.

The list of general use items includes cleaners, waxes/polishes, adhesives, and a limited number of other commonly used materials. The HMC&M Committee continually strives to identify the least HM for the above applications. NAVSTA Newport personnel are encouraged to provide suggestions to improve the content of the List of General Use Items. Office and administrative work centers are encouraged to limit their HM to those found on the list of general use items.

A file containing manufacturer-specific MSDSs for all items on the AUL shall be maintained in the general work area (within the same room, no more than 30 feet away) where the HM is utilized. The MSDSs must be readily accessible to all employees. HM shall be handled and used in accordance with the manufacturer's directions and within the guidelines set in the MSDS. All MSDS must be kept up-to-date and checked for accuracy at least annually by the supervisor responsible for employee usage.

5.2 Work Center Authorized Use List

Each work center that uses HM has developed a unique AUL that establishes the exact types and quantities of HM it is authorized to use. This unique list is combined with the items that are on the general use list to create one list for the work center. Additionally, the quantities of HM required in each work center could differ depending on the manufacturer of the HM. Great emphasis has been placed on developing AULs that minimize the variety, quantity, and degree of hazard of HM authorized for use. To determine the degree of hazard, material safety data sheets (MSDSs) have been obtained and reviewed by NAVSTA Newport Environmental Protection Department and the NAVSTA Newport Safety

Office, and placed on file for all HM before being placed on the AUL. A brief justification of need has been provided for each HM on the work center AUL.

Requests for material or quantity changes to a work center AUL must be approved by the NAVSTA Newport Environmental Protection Department via the NAVSTA Newport Safety Office. A request must clearly justify the need for change. Materials may be deleted from an AUL at any time. MSDSs must be attached to the AUL addition form (included as enclosure 1).

The HMC&M Committee will periodically review work center AULs and, if necessary, recommend additions, deletions, substitutions, and/or quantity adjustments.

6.0 IMPLEMENTATION OF PLAN

6.1 Plan Approval

The Commanding Officer's signature on the instruction implementing this HM Management Plan, serves as the representative with the authority to commit necessary resources for implementing the Plan. The programs and procedures outlined in the Plan will be implemented and periodically reviewed and updated in accordance with this Plan.

6.2 plan Distribution

Copies of this Plan have been distributed to the agencies and personnel identified in the Plan Distribution List on pages iv and v of this Plan. Copies of this Plan will be distributed in accordance with this list whenever the Plan is updated or amended.

6.3 Plan Review and Amendments

This Plan will be evaluated and reviewed periodically. Records of these reviews shall be made by the Environmental Protection Department, which shall distribute any subsequent changes to all involved organizations and personnel. Reviews of the Plan will be conducted by Environmental Protection Department at least once every three years.

In addition to the periodic reviews and amendments discussed above, the NAVSTA Newport Commander will also direct that the Plan be reviewed and amended whenever the following occurs:

- a. Revision of applicable regulations.
- b. Discovery of deficiencies in the plan during its implementation.
- c. Change in design, construction, operation, or maintenance, or when other circumstances develop that change the HM handling and storage procedures at the facility.

6.4 Record of Amendments

All amendments to this Plan will be recorded in the Record of Amendments Table on Page v of this Plan.

HM CONTROL & MANAGEMENT PLAN
NAVSTA NEWPORT

TABLES

- Table 1 General Authorized Use List (AUL)
- Table 2 HM Storage Areas General Information
- Table 3 Summary of HM(s) Stored

TABLE 1: GENERAL AUTHORIZED USE LIST (AUL)

ITEM NO	SN	NOMENCLATURE	MSDS	MANUFACTURER	PROCESS
1	7510-001614236	Ink, stamp pad blue 2oz	HCLBBV	ECOLAB INC	OFFICE
2	7510-001614237	Ink, stamp pad black, 2 oz	HBVFKG	Valjean Corp	OFFICE
3	7510-001614240	Ink, stamp pad red 2 oz	HCBQDH	American writing Ink Co.	OFFICE
4	7930-001348838	ENDUST, Spray cleaning & dusting 15.5.oz	HBXGXL	American writing Ink Co	JANITORIAL
5	7930-00N006379	Easy Scrub (32 oz)	HCCNBC	ECOLAB INC	JANITORIAL
6	7930-00N092086	Radiance Furniture Polish #10120	HCJQHM	ECOLAB INC	JANITORIAL
7	7930-012701564	ECO-SAN Liquid Sanitizer #13979	HBLDDM	ECOLAB INC	JANITORIAL
8	7930-LL0025554	Urinal Rings	G25554	ECOLAB INC	JANITORIAL
9	7930-110026027	Lotion, digicare hand #23522	G26027	ECOLAB INC	JANITORIAL
10	7930-LL0026029	Magic Scrub #12480	G26029	ECOLAB INC	JANITORIAL
11	7930-014181104	Sure Pack	HZHYN	ECOLAB INC	JANITORIAL
12	7930-LL0026159	OASIS 255/236 Blue glass cleaner diluted	HCDHGT	ECOLAB INC	JANITORIAL
13	7930-LL0026160	Bathroom cleaner Quick Fill 905 diluted	HCFDLJ	ECOLAB INC	JANITORIAL
14	7930-LL0026163	Quick Fill 110 carpet cleaner diluted	HCDHGZ	ECOLAB INC	JANITORIAL
15	7930-LL0026275	Oasis 100 (orange) GP cleaner diluted	HCCKLD	ECOLAB INC	JANITORIAL
16	7930-LL0026276	Oasis 144 (purple) sanitizer diluted	HCDHFT	ECOLAB INC	JANITORIAL
17	7930-LL0026277	Oasis 238 (Green) #17105 diluted	G26018	ECOLAB INC	JANITORIAL
18	7930-LL0026278	Oasis 301 (Pink) bathroom cleaner diluted	G25883	ECOLAB INC	JANITORIAL
19	7930-LL0026870	Pantastic #13003	G24900	ECOLAB INC	JANITORIAL

TABLE 2 - HM STORAGE AREAS GENERAL INFORMATION

Bldg Number	Alternate Names	Operator	Position Of Accountable Person	Hours/Day Normally Attended	What Facility Does	Physical Plant
Bldg A-6 NH	NH Boiler House	Public Works	PW Division	Operates 24 Hours Per Day With Night Rounds At 4 Hour Intervals	Provides Steam Heat To Several Buildings In The NH Complex	Brick Building With Three Oil Fueled Boiler Units And Two Diesel Generators
Bldg A-138 CHI	Static Lab	S.W.O.S	Naval Station Newport	07:00 To 16:00	Boiler Water/ Feed Water Testing Lab	Masonry And Steel Construction
Bldg 1A CHI	Photo Lab/ Pringle Hall	Naval War College - Pringle Hall	Naval Station Newport	8 Hours Per Day	Photography Studio, Photo Developing, Print Lab, And Graphic Arts Department	Stone Building Consisting Of Three Floors And Basement
Bldg 23NH	Navy Health Care Center	Bureau Of Medical Navy Ambulatory Care Center	Facility Safety Officer	12 Hours Per Day	Health Care Provider	Brick Construction - Three Floors And Basement
Bldg 55 CHI	Fire Station	Fire Department	Fire Chief	24 Hours Per Day	Fire Station For CHI	Two Story Brick Building

TABLE 2 HM STORAGE AREAS GENERAL INFORMATION

Bldg Number	Alternate Names	Operator	Position Of Accountable Person	Hours/Day Normally Attended	What Facility Does	Physical Plant
Bldg 683 CHI	Naval War College	Naval War College	PW Division	16 Hours Per Day	Classroom Building For Naval War College	Multiple Story Stone Building Attached To Buildings 686 And 991
Bldg 686 CHI	Naval War College	Naval War College	PW Division	16 Hours Per Day	Classroom Building For Naval War College	Multiple Story Stone Building Attached To Buildings 683 And 991
Bldg 991 CHI	Naval War College	Naval War College	PW Division	16 Hours Per Day	Classroom Building/ Library For Naval War College	Multiple Story Stone Building Attached To Bldgs 686 And 683.
Bldg A9 CC	Vehicle Maintenance Facility	PW Division	PW Division	8 Hours Per Day, 5 Days Per Week	Maintain Facility And Fuel Supply For Naval Vehicles	Steel Frame Construction Open Bay
Bldg 7 CC	Boiler House	PW Division	PW Division	24 Hours Per Day, 7 Days Per Week	Supplies Steam Heat To Various Buildings On CC And CP	Multiple Story Brown Building Housing Several

TABLE 2 - HM STORAGE AREAS GENERAL INFORMATION

Bldg Number	Alternate Names	Operator	Position Of Accountable Person	Hours/Day Normally Attended	What Facility Does	Physical Plant
Bldg 68 CC	Pier II	Naval Station Newport	USCG MAT supervisor	Outside Fenced Storage Area - Personnel On Dock 24 Hours Per Day	Multi Purpose Maintenance Building With HM Storage At West End Of Building.	Boilers Single Story Metal Building With Chain Link Storage Area At West End Of Building
Bldg 1166 CC	Hazardous Min Center	Naval Station Newport	Facility Director	8 Hours Per Day	Distribution/ Storage of HM	Single Story Cinder Block Building
Bldg 1298 CC	Pesticide/Herbicide Shop	PW Division	PW Division	8 Hours Per Day	Office/Storage/Lab For Pesticide/Herbicide Department	Cinder Block Building Built With Bermed Loading And Storage
Bldg W34 CP	Boat Repair/Maintenance Shop	MWR-Moral/Welfare And Recreation	Facilities Manager	8 Hours Per Day	Provides General Maintenance For Buildings	Cinder Block
Bldg 304 CP	Auto Hobby Shop M.W.R.	MWR-Moral/Welfare	Auto Hobby Shop Manager	8 Hours Per Day	Provides Area For Navy Personnel To	Concrete Block With

TABLE 2 HM STORAGE AREAS GENERAL INFORMATION

Bldg Number	Alternate Names	Operator	Position Of Accountable Person	Hours/Day Normally Attended	What Facility Does	Physical Plant
		re And Recreation			Repair, Service, And Maintain Personal Vehicles	Wooden Truss Roof
Bldg 307 CP	Training Pool	Naval Station Newport Training Department	Pool Supervisor	0530 To 2000	Training, Recreation - Swim Teams	Brick Walls With Wood Roof
Bldg 315 CP	Liquid Hypochlorite Storage	PW Division	PW Division	Unattended	Storage For 1 Gallon Containers Of 12% Hypochlorite For Injection Into Base Water Supply	Concrete Block Building
Bldg 403 CP	Buttercup	Naval War College Dc-1 Hedges	Facility Safety Officer	12 Hours Per Day	Damage Control Training	Cinder Block Building With Ship Simulator In Pool In Northeast End Of Building
Bldg 440 CP	Perry Hall	Naval Station	OTC Facilities	7:30 - 4:00	Pistol Range	Multi Story Building

Table 2-4

TABLE 2 - HM STORAGE AREAS GENERAL INFORMATION

Bldg Number	Alternate Names	Operator	Position Of Accountable Person	Hours/Day Normally Attended	What Facility Does	Physical Plant
		Newport	Manager	8 Hours Per Day		With Full Basement
Bldg 1173 CP	Naval Dental Clinic	Naval Dental Center N.E.	CO Dental Clinic	8 Hours Per Day	Provide Dental Care For Navy Personnel And Dependents	Brick One Story Building
Bldg 86 FA	Fire Station	Navy Fire Department	Naval Station Newport	24 Hours Per Day	Fire Station	Brick One Story Building
Bldg 375 FA	Self Help Center	MWR	PW Division	0900 - 1200 Monday Through Friday 0900 - 1300 Saturday	Supplies For Yard And Housing	Wood Frame Building, One Story
Bldg 448 FA	Sewer Lift Station	PW Division	PW Division	Unattended	Sewer Lift Station	Masonry Structure
Bldg 694 Midway	Sewer Lift Station	PW Division	PW Division	Not Attended	Sewer Lift Station	Masonry Structure
Bldg 1275	Navy Fire Fighting School	Naval Station	Facility Safety	12 Hours Per Day	Shipboard Fire Fighting Training	Masonry Construction

TABLE 2 HM STORAGE AREAS GENERAL INFORMATION

Bldg Number	Alternate Names	Operator	Position Of Accountable Person	Hours/Day Normally Attended	What Facility Does	Physical Plant
Midway		Newport	Officer		School	n With Multi Level Mock Ship Decks
Bldg 1276 Midway	Fire Training School Waste Water Treatment Facility	Naval Station Newport	Facility Safety Officer	12 Hours Per Day	Houses Boilers And Maintenance Area, Recharge Area For SCBA	Masonry Single Story Building
B-1279 Midway	Waste Water Treatment Facility For Bldg 1275	Naval Station Newport	Facility Safety Officer	12 Hours Per Day	Treats Water Generated From Firefighting Training In Bldg 1275	Masonry Construction With Basement Housing WWT Pumps

TABLE 3
SUMMARY OF HM STORED

Bldg Number	Location Within Building	Common Name Of Material	Quantity On Hand	Hazard Class	Container Type	Secondary Containment
Bldg A6 NH	Along East Wall - 1st Floor	Boiler Chemicals	80 Gal	Corrosive	Plastic	Containment Skid
	Center Of South Wing	Boiler Chemicals	2 Drums	Corrosive	Plastic	Containment Skid
Bldg A138 CHI	2nd Floor Water Testing Lab	Isopropyl Alcohol	2-3 Gal.	Flammable	Glass Bottles	Flammable Storage Cabinet
	2nd Floor Water Testing Lab	Muric Nitrate	200 Oz	Poison	Glass Bottles	Corrosive Storage Cabinet
	2nd Floor Water Testing Lab	Nitric Acid	1-2 Gal	Corrosive Oxidizer	Glass Bottles	Corrosive Storage Cabinet
Bldg 1A CHI	Basement	Photo Developing Solutions	20 - 30 Gal	Corrosive	Plastic 1 - 5 Gal	Corrosive Storage Locker

TABLE 2 HM STORAGE AREAS GENERAL INFORMATION

TABLE 3
SUMMARY OF HM STORED

Bldg Number	Location Within Building	Common Name Of Material	Quantity On Hand	Hazard Class	Container Type	Secondary Containment
Bldg 1A CHI (Cont.)	Third Floor	Spray Paint & Adhesive	50 Cans	Flammable	Aerosol Cans	Flammable Storage Cabinet
	B030	Organic Acids (Acetic)	10 - 20 Gal	Corrosive	Plastic	Corrosive Locker
	Photo Lab	Organic Acids (Acetic)	5 - 10 Gal	Corrosive	Plastic	Corrosive Locker
Bldg 23 NH	1st Floor Pharmacy	Glacial Acetic Acid	6 Liters	Corrosive	Glass Bottle	Storage Cabinet
	Flammable Cabinet - 1st Floor	Alcohols	3 Liters	Flammable	Glass Bottle	Storage Cabinet
Bldg 23 NH (Cont.)	Flammable Cabinet Laboratory	Alcohols	10 - 30 Gal	Flammable	Glass Bottle	Flammable Storage Cabinet

Table 3-2

TABLE 3
SUMMARY OF HM STORED

Bldg Number	Location Within Building	Common Name Of Material	Quantity On Hand	Hazard Class	Container Type	Secondary Containment
	Flammable Cabinet - 2nd Floor	Xylene	5 - 10 Gal	Flammable	Glass Bottle	Flammable Storage Cabinets
	Flammable Cabinet - 2nd Floor	Formalin	5 - 10 Gal	Flammable	Glass Bottle	Flammable Storage Cabinets
Bldg 55 CHI	South Storage Area - 1st Floor	Concentrated Fire Control Liquid	2 Drums	None	Plastic Drums	None
	Outside Flammable	Gasoline	20 Gal	Flammable	Metal Can	Flammable Locker
Bldg 683 CHI	Mechanical Room - Basement	Lithium Bromide	1,000 Gal	None	Metal Tank For Cooling System	None
Bldg 686 CHI	Basement	Lithium Bromide	3500 Gal	None	Tank	None

TABLE 2 HM STORAGE AREAS GENERAL INFORMATION

TABLE 3
SUMMARY OF HM STORED

Bldg Number	Location Within Building	Common Name Of Material	Quantity On Hand	Hazard Class	Container Type	Secondary Containment
Bldg 991 CHI	Mechanical Room - Penthouse	Lithium Bromide	1,000 Gal	None	Tank For Cooling System	None
Bldg A9 CC	Maintenance Area	Ethylene Glycol	2 55-Gal	None	Plastic 55 Gal Drum	Containment Skid
	Maintenance Area	Transmission Fluid	2 55-Gal	Combustible	Metal 55 Gal Drum	Containment Skid
	Maintenance Area	Lube Oil	4 55-Gal	Combustible	Metal 55 Gal Drums	Containment Skid
	Stockroom	Solvent Cleaners & Brake Fluid	<60 Gal	Flammable	Aerosol Cans	Flammable Storage Cabinet
Bldg A63 CC	HVAC Maintenance Shop	Coil Cleaner	30 gal	Corrosive	Plastic Pails	Storage Cabinet

TABLE 3
SUMMARY OF HM STORED

Bldg Number	Location Within Building	Common Name Of Material	Quantity On Hand	Hazard Class	Container Type	Secondary Containment
	HVAC Maintenance Shop	Propylene Glycol	100 Gal	None	Plastic Pails	Storage Skid
	HVAC Maintenance Shop	Compressor Oil	5 -10 Gal	Combustible	Plastic Pails	Flammable Storage Cabinet
	Paint Shop	Traffic Paint Latex	40 Gal	None	Plastic Pails	Outside Storage Bldg
	Paint Shop	Traffic Paint, Oil	15 Gal	Flammable	Metal Cans	Outside Storage Building
	Sign Shop	Paint	3-5 Gal	Flammable	Metal Cans	Flammable Locker
	Sign Shop	Paint	48 Cans	Flammable	12oz Aerosol	Flammable Locker
Bldg 7 CC	East Side - 1st Floor	Boiler Chemicals	800 Gal	Corrosive	Tanks	Containment Skid

TABLE 2 HM STORAGE AREAS GENERAL INFORMATION

TABLE 3
SUMMARY OF HM STORED

Bldg Number	Location Within Building	Common Name Of Material	Quantity On Hand	Hazard Class	Container Type	Secondary Containment
	West Side - 1st Floor	Lube Oil	110 Gal	Combustible	Metal Cans	Containment Skid
	East Side - 1st Floor	Lube Oil	40 Gal	Combustible	Metal Cans	Flammable Storage Cabinet
Bldg 68 CC	Outside - West End	Lube Oil	40 Gal	None	Metal	Storage Skids
	Outside - West End	Paint	20 Gal	Flammable	Metal	Flammable Locker
	Outside - West End	Anti-Freeze	4 Gal	None	Metal	Storage Skids
Bldg 68 CC (Cont.)	Outside - West End	Paint	18 Gal	Flammable	Metal	None
	Outside - West End	Paint	35 Gal	Flammable	Metal	Flammable Locker

TABLE 3
SUMMARY OF HM STORED

Bldg Number	Location Within Building	Common Name Of Material	Quantity On Hand	Hazard Class	Container Type	Secondary Containment
	Outside - West End	Paint	15 Gal	None	Metal	None
Bldg 1166 CC	1st Floor	Highly Concentrated Acid	100 One Gal Containers	Corrosive	Plastic	Berm On Floor
	1st Floor	Alkalis, Weak Corrosives	Several Hundred Containers	Corrosive	Plastic	Berm On Floor
	1st Floor	Isopropyl Alcohol	50 Small Containers	Flammable	Plastic	Flammable Storage Locker
	1 st Floor	Paint	20 flammable gallons	Flammable	Metal and plastic	Storage containers
Bldg 1166 CC (Cont.)		Paint	100 Latex gallons	None	Metal and plastic	Storage Cabinets

TABLE 2 HM STORAGE AREAS GENERAL INFORMATION

TABLE 3
SUMMARY OF HM STORED

Bldg Number	Location Within Building	Common Name Of Material	Quantity On Hand	Hazard Class	Container Type	Secondary Containment
Bldg 1298 CC	1st Floor	Pesticide/ Herbicides (Liquid And Solid)	Several 100 Lbs	Corrosive, Poison, Flammable	Metal And Plastic	Storage Cabinets
Bldg W34 CP	MIUW 202 1st Floor Maintenance Area	Lube And Hydraulic Oils	24 Gal	Combustibl e	Plastic Qts 5gal Plastic	Flammable Storage Locker
	MIUW 202 1st Floor Maintenance Area	Paint Related Material	30 Gal	Flammable	Aerosol And Metal Cans	Flammable Storage Locker
Bldg W34 CP (Cont.)	MIUW 202 1st Floor Maintenance Area	Paint Related Materials And Lube Oils	8-10 Gal	Flammable	Metal 1 Gal Cans	Flammable Storage Locker

TABLE 3
SUMMARY OF HM STORED

Bldg Number	Location Within Building	Common Name Of Material	Quantity On Hand	Hazard Class	Container Type	Secondary Containment
	MIUW 202 1st Floor Maintenance Area	Lube Oils & Antifreeze	8 Gal	Combustible	Plastic & Metal Cans	Flammable Storage Locker
	MIUW 202 1st Floor Maintenance Area	Alkaline Material	4 Qts	Corrosive	Metal Cans	Corrosive Storage Locker
	HDC-21 1st Floor Storage Area	Diesel Fuel	25 Gal	Flammable	Plastic Safety Cans	Flammable Storage Locker
Bldg W34 CP (Cont.)	HDC-21 1st Floor Storage Area	Paint Related Materials	12-15 14oz Cans	Flammable	Aerosol Cans	Flammable Storage Locker
	IBU-21 1st Floor Maintenance Area	Lube Oil, Paint, Gun Solvent	18 Gal	Flammable	1&5 Gal Metal, Aerosol Cans	Flammable Storage Locker

TABLE 2 HM STORAGE AREAS GENERAL INFORMATION

TABLE 3
SUMMARY OF HM STORED

Bldg Number	Location Within Building	Common Name Of Material	Quantity On Hand	Hazard Class	Container Type	Secondary Containment
	IBU-21 1st Floor Maintenance Area	Lead Acid Batteries	2 Ea	Corrosive	Battery Cases	Flammable Storage Locker
	IBU-21 1st Floor Maintenance Area	Lube & Hydraulic Oils	25 Gal	Combustible	5 Gal Metal Cans	Containment Skid
Bldg 304 CP	Auto Hobby Shop/Garage	Lube Oil	120 Qts	None	Plastic 1 Qt.	Storage Cabinet
Bldg 304 CP (Cont.)	Auto Hobby Shop/Garage	Ethylene Glycol (Antifreeze)	5 Gal	None	Plastic 1 Gal	Storage Cabinet
	Auto Hobby Shop/Garage	Brake Fluid	1 Gal	Flammable	Metal 1 Gallon	Storage Cabinet
	Auto Hobby Shop/Garage	Brake Cleaner	10 - 12 Cans	Flammable	12 Oz Aerosol Cans	Storage Cabinet

TABLE 3
SUMMARY OF HM STORED

Bldg Number	Location Within Building	Common Name Of Material	Quantity On Hand	Hazard Class	Container Type	Secondary Containment
Bldg 307 CP	Basement	Pool Chemicals	400 Lbs	Corrosive	Plastic Pails	None
	Basement	Pool Chemicals	500 Gal	Corrosive	500 Gal Tank	None
	Basement	Pool Chemicals	1 Qt	Corrosive	1 Qt Plastic	None
Bldg 315 CP	Entire Interior Of Bldg.	Hypochlorite 12 %	300 - 400 Gal	Oxidizer Corrosive	1 Gal Plastic	None
Bldg 403 CP	Pool Room	Granular Hypochlorite	300 - 600 Lbs	Oxidizer	Plastic Pail	N/A
	Shop Area	Paint And Lube Oil	5 - 10 Gal	Flammable	1 Gal Metal Cans	Flammable Liquid Storage Cabinet
Bldg 440 CP	Weapons Case - Basement	Weapons Cleaning Solvents & Lube Oil	1 - 2 Gal	Flammable	Metal	Storage Cabinet

TABLE 2 HM STORAGE AREAS GENERAL INFORMATION

TABLE 3
SUMMARY OF HM STORED

Bldg Number	Location Within Building	Common Name Of Material	Quantity On Hand	Hazard Class	Container Type	Secondary Containment
	Outside - Basement	Waste & Virgin Naphtha	5 - 10 Gal.	Flammable	Metal	Storage Cabinet
Bldg 1173 CP	Chemical Storage Room Corrosive Cabinet	Ammonia Cleaner	3 - 5 Gal	Corrosive	Plastic	Storage Cabinet
	Chemical Storage Room Corrosive Cabinet	Hypochlor- ite 5- 6%	12 - 24 Gal	Corrosive	Plastic	Storage Cabinet
	Chemical Storage Room Flammable	Dental Repair Solution	20 - 30 Cans	Flammable	Aerosol	Storage Cabinet
	Chemical Storage Room Flammable	Lube Oil, Dental	30 - 30 Cans	Flammable	Aerosol	Storage Cabinet

TABLE 3
SUMMARY OF HM STORED

Bldg Number	Location Within Building	Common Name Of Material	Quantity On Hand	Hazard Class	Container Type	Secondary Containment
	Chemical Storage Room Flammable	Isopropyl Alcohol	5 - 10 Gal	Flammable	Plastic	Storage Cabinet
Bldg 1173 CP (Cont.)	Chemical Storage Room Corrosive Cabinet	Phosphoric Acid Cleaner 15% Hydrochloric Acid 1.4%	10 - 12 Gal	Corrosive	Plastic	Storage Cabinet
	Dental Lab Flammable Storage	Dental Plastics	3 - 5 Lbs	Flammable	Cans	Storage Cabinet
Bldg 86 FA	Outside Building	Gasoline	<45 Gal	Flammable	Safety Can	Flammable Storage Locker
	Outside Building	Lube Oil	1 - 2 Gal	Combustible	Metal 1Gal	Flammable Storage Locker

TABLE 2 HM STORAGE AREAS GENERAL INFORMATION

TABLE 3
SUMMARY OF HM STORED

Bldg Number	Location Within Building	Common Name Of Material	Quantity On Hand	Hazard Class	Container Type	Secondary Containment
Bldg 375 FA	Outside Storage Area	Paints	<60 Gal	Flammable	Metal Cans	Flammable Storage Cabinet
	Outside Storage Area	Gas	1 Gal	Flammable	Metal Cans	Flammable Storage Cabinet
Bldg 448 FA	Fenced Area Outside	Hydrogen Peroxide	500 Gal	Oxidizer	500 Plastic	None
Bldg 694 Midway	Fenced Area Behind	Hydrogen Peroxide	500 Gal	Oxidizer	500 Gal Plastic	None
Bldg 1275 Midway	Basement Floor	Fire Quill	55gal	None	Steel Drum	None
	Outside Storage Shed	OBA Canisters	15 Cases	Oxidizer	Metal Can	None
Bldg 1276 Midway	1st Floor Mid-Building	Boiler Chemicals	125 Gal	Corrosive	Plastic Tank	Containment Skid

TABLE 3
SUMMARY OF HM STORED

Bldg Number	Location Within Building	Common Name Of Material	Quantity On Hand	Hazard Class	Container Type	Secondary Containment
Bldg 1276 Midway (Cont.)	1st Floor Main Hallway	Paint Lube Oils	8 - 10 Gal	Flammable Combustible	Flammable Liquid Cabinet	Cabinet
	1st Floor Maintenance Area	Cal soft	200 Gal	None	Plastic Bulk	None
Bldg 1279 Midway	First Floor	Sulfuric Acid	30 Gal	Corrosive	Plastic Drum	Concrete Berm
	First Floor	Anti-Foam	110 Gal	None	Plastic Drum	Concrete Berm

HAZARDOUS MATERIAL AUL / ORDER FORM (Sample Only)

lk

Date: 10/20/2003	HAZARDOUS MATERIAL AUL/ORDER FORM		CHRIMP CENTER PHONE #841-4725/2654	FAX 841-1300
REQUESTED DELIVERY DATE/TIME _____	Cost Center: ENV	HAZMAT REPS NAME _____		
ADDITIONAL ITEMS BRUSHES _____	ENVIRONMENTAL	BLDG # ICC _____	Phone: _____	HAZMAT REPS SIGNATURE _____

Qty	Alias ID	NSN	Nomenclature	MSDS/kit	MSDS	Manufacture	Process ID
	ENV01	6840-013989769	TIME-AIRE AIRFRESHENER (FRESHRAIN SCENT, #		HCFTBQ	ECOLAB, INC.	JANITOR
	ENV01	6840-LL0026106	AIR FRESHENER, AIRSPACE MOUNTAIN VALLEYS		G26106	ECOLAB, INC.	JANITOR
	ENV07	7510-001614236	INK, STAMP PAD, BLUE, 2OZ		HCLBBV	VALJEAN CORP	OFFICE
	ENV07	7510-001614237	INK, STAMP PAD, BLACK, 2OZ		HBVFRG	AMERICAN WRITING INK CO	OFFICE
	ENV07	7510-001614240	INK, STAMP PAD, RED, 2OZ		HCBQDH	AMERICAN WRITING INK CO	OFFICE
	ENV01	7930-001348838	ENDUST, SPRAY CLEANING & DUSTING (15.5 OZ)		HBXGXL	ECOLAB, INC.	JANITOR
	ENV01	7930-00N006379	EASY SCRUB (32 OZ)		HCCNBC	ECOLAB, INC.	JANITOR
	ENV03	7930-00N092081	STAIN BLASTER S, (BLUE) #16620		HCIQHR	ECOLAB, INC.	LAUNDRY
	ENV03	7930-00N092082	STAIN BLASTER B, (BLACK) #16640		HCIQYT	ECOLAB, INC.	LAUNDRY
	ENV01	7930-00N092086	RADIANCE FURNITURE POLISH, #10120		HCIQHM	ECOLAB, INC.	JANITOR
	ENV01	7930-012701564	ECO-SAN LIQUID SANITIZER, #13979		HBLDDM	ECOLAB, INC.	JANITOR
	ENV03	7930-012701564	ECO-SAN LIQUID SANITIZER, #13979		HBLDDM	ECOLAB, INC.	LAUNDRY
	ENV06	7930-012701564	ECO-SAN LIQUID SANITIZER, #13979		HBLDDM	ECOLAB, INC.	DISH01
	ENV03	7930-013927560	SOLID SUPER STAR		HCGNMD	ECOLAB, INC.	LAUNDRY
	ENV01	7930-013980967	ECOSHINE, 18440		HCLQWN	ECOLAB, INC.	JANITOR
	ENV05	7930-014152931	SOAP, CLEAN & SMOOTH ANTIBACTERIAL, #14894		HCKPFV	ECOLAB, INC.	PERHYG01
	ENV01	7930-014181104	SURE PAK		HBZHYN	ECOLAB, INC.	JANITOR
	ENV03	7930-014942986	BRUTE WHITE NP POWDERED LAUNDRY DETERGE		HCCXRF	ECOLAB, INC.	LAUNDRY
	ENV01	7930-LL0025554	URNAL RINGS		G25554	ECOLAB, INC.	JANITOR
	ENV01	7930-LI0026019	AIR FRESHENER, AIRIEL SEA		G26019	ECOLAB, INC.	JANITOR
	ENV05	7930-LL0026027	LOTION, DIGICARE HAND, #23522		G26027	ECOLAB, INC.	PERHYG01
	ENV01	7930-LL0026028	LEMON LEFT, #11490		G26028	ECOLAB, INC.	JANITOR
	ENV01	7930-LI0026029	MAGIC SCRUB, #12480		G26029	ECOLAB, INC.	JANITOR
	ENV01	7930-LL0026159	OASIS 255/256 (BLUE) GLASS CLEANER DILUTED		HCDIHT	ECOLAB, INC.	JANITOR
	ENV01	7930-LL0026160	BATHROOM CLEANER QUICK FILL 903 DILUTED		HCFDLJ	ECOLAB, INC.	JANITOR
	ENV01	7930-LI0026163	QUIK FILL 110 CARPET CLEANER DILUTED		HCDHGZ	ECOLAB, INC.	JANITOR
	ENV01	7930-LL0026275	OASIS 100 (ORANGE) GP CLEANER DILUTED		HCKKLD	ECOLAB, INC.	JANITOR
	ENV01	7930-LL0026276	OASIS 144, (PURPLE) SANITIZER DILUTED		HCDHFT	ECOLAB, INC.	JANITOR
	ENV01	7930-LI0026277	OASIS 283, (GREEN) #17105 DILUTED		HCMVSD	ECOLAB, INC.	JANITOR
	ENV01	7930-LL0026278	OASIS 301 (PINK) BATHROOM DILUTED		HCPHCN	ECOLAB, INC.	JANITOR
	ENV01	7930-LI0026552	AIRSPACE VANILLA CREAM 7OZ		G26552	ECOLAB, INC.	JANITOR
	ENV06	7930-LL0026870	PANTASTIC, #13003		G24900	ECOLAB, INC.	DISH01
	ENV04	8010-005825382	FLAT BLACK AEROSOL, 16OZ		HCCNSV	PPG INDUSTRIES, INC.	SIGNS01
	ENV04	8010-00N073491	QUICK DRY SPRAY ENAMEL, FLAT BLACK, 55-312		HCCNSV	PPG INDUSTRIES, INC.	SIGNS01

of Records 34

Page 1 of 2

HAZARDOUS MATERIAL ADDITION TO AUL INSTRUCTIONS

1. USER: Complete addition to AUL sheet (appendix B - 2), forward to supervisor with the MSDS attached.
2. SUPERVISOR: Attach complete package to addition to AUL request. Complete section 1, forward package to the safety office for review and approval.
3. SAFETY: Complete section 2, forward package to the Industrial Hygienist office (if required) or onto the Environmental Department for review and approval.
4. INDUSTRIAL HYGIENIST: Complete section 3 (if required) and forward package to the Environmental Department.
5. ENVIRONMENTAL: Complete section 4 (section 3 intentionally left blank), forward package to HM Center.
6. CHRIMP: Add to AUL and notify requesting supervisor. Forward completed copy to each reviewer.

TABLE 2 HM STORAGE AREAS GENERAL INFORMATION

ADDITONS TO HAZARDOUS MATERIAL AUTHORIZED USERS LIST

Command: _____

Department: _____ Work Center: _____

Process Location Bldg: _____ Room: _____

Hazardous Material Rep: _____

Telephone No.: _____

Product Name/Trade Name: _____

Product No. _____

MSDS Serial Number: _____ NSN/LSN: _____
(if known) (if known)

Manufacturer Name: _____

Manufacturer Address: _____

Telephone #: _____

Container Type (drum, bag, pail, tube, etc.): _____

Unit size (5gal, 8 ox. 1 lb, etc.): _____

Limit: _____ High Limit: _____

Material Safety Data Sheet (MSDS) must be attached to request

SECTION 1

Supervisor Name: _____

Code: _____ Phone: _____

Purpose use of stated material: _____

Storage location: _____

Process Location: _____

How applied: brushed ___ Rolled ___ Sprayed ___ Poured ___ Spread ___
Other ___ (Explain) _____

Type of waste generated from process: _____

List of personnel authorized and trained (supervisor to ensure training records are on hand for review) to use the material:

_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

TABLE 2 HM STORAGE AREAS GENERAL INFORMATION

SECTION 2
N9N Safety Office

Approved _____ Disapproved _____ Date: _____

Safety Representative: _____

Application Code: Brushed _____ Rolled _____ Sprayed _____ Poured _____
Spread _____ Other _____

Personal Protective Equipment Required:

EYE: Safety Glasses WWS _____ Goggles _____ Face Shield _____ Other _____

HANDS: Rubber gloves _____ Neoprene gloves _____ Cotton Gloves _____
Solvent/acid resist. Gloves _____ Leather gloves _____

BODY PROTECTION: Yes _____ No _____

Apron: Plastic _____ Rubber _____ Neoprene _____ Leather _____
Solvent/Acid resistant _____ Tyvek _____

Coveralls: Cotton _____ Paper _____ Tyvek _____ Other _____

Hood: Cotton _____ Paper _____ Tyvek _____ Other _____

Boots: Neoprene _____ Plastic _____ Tyvek _____ Rubber _____ Steel Toe _____
Steel shank _____

RESPIRATORY PROTECTION: Yes _____ No _____

½ face _____ Full face _____ Type/Cartridge filter _____
Supplied Air _____ SCBA _____

EYE WASH SHOWER REQUIRED: Yes _____ No _____

Eye wash _____ Deluge shower _____ Combination _____

Special Storage handling requirements: Yes _____ No _____

Describe: _____

SECTION 3

INDUSTRIAL HYGIENE: Approved ___ Disapproved ___

Review Section 1 and provide comments if disagree with
evaluation: _____

Monitoring Required: Yes ___ No ___

If yes, upon first use: Yes ___ No ___

Note to Supervisor: If yes, you must contact the Industrial Hygienist prior to use of this product to schedule personal monitoring. Sufficient notification is required to allow Industrial Hygienist to prepare instrumentation and adjust schedule accordingly. If no, contact IH for further instructions.

Specify any special use requirements not specified in Section 2:

Signature: _____ Date: _____

TABLE 2 HM STORAGE AREAS GENERAL INFORMATION

SECTION 4

ENVIRONMENTAL: Approved Disapproved

Environmental Representative: _____

Site Specific Process Code: _____

Waste Profile Code Assignment: _____

Special disposal requirements: Yes No

If yes, specify: _____

Special Spill requirements: Yes No

If yes, specify: _____

Other Special requirements: Yes No

If yes, specify: _____

Signature: _____ Date: _____

HM STORAGE AREA INSPECTION LIST

INSPECTION ITEM	YES	NO
Does the activity have a HM primary and alternative Coordinator? COMNAVREGINST 5100.1		
Is there a letter of designation on file? COMNAVREGINST 5100.1		
Does CHRIMP have a copy of the designation letter? OPNAVREGINST 5100.23F / COMNAVREGINST 5100.1		
Has the HM coordinator attend the Station HAZCOM training program? OPNAVINST 5100.23F/ COMNAVREGINST 5100.1		
Is the HM coordinator actively involved in the HMC&M program? OPNAVINST 5100.23F/ COMNAVREGINST 5100.1		
Does the work center maintain a current Authorized Users list (AUL)? OPNAVINST 5100.23F/ COMNAVREGINST 5100.1		
Does the AUL cover all HM being used? OPNAVINST 5100.23F/ COMNAVREGINST 5100.1		
Are all HM procurements process through the CHRIMP center at building 1166CC? COMNAVREGINST 5100.1		
Is all HM CHRIMP bar coded? COMNAVREGINST 5100.1		
Does the work center have a MSDS for each hazardous chemical used? 29 CFR 1910.1200(g)(1)		
Are MSDSs for HM readily accessible to employees during each work shift and are all employees aware of the location? 29 CFR 1910.1200(g)(8)		
Are containers of HM in the work center properly labeled? 29 CFR 1910.1200(f)(5)		
Is HM properly stored? 29 CFR 1910.106		

MEMORANDUM

From: HM Coordinator, Code: _____ /Phone: _____

To: Hazardous Minimization Center, Code 5232

Via: First Line Supervisor: _____

Second Line Supervisor: _____

Department Head: _____

Environmental, Code 40 E: _____

Subj: MISSING HM CONTAINER

1. The following container(s) cannot be returned to the HAZMIN Center.

Control #	Container #	Date Issued	Issued	Returned	Owed

2. Please give a detailed explanation as to why container(s) cannot be returned to the HAZMIN Center.

Signature

HM COORDINATORS

CODE	COMMAND	BLDG #	HM COORDINATOR	PHONE #	E-MAIL ADDRESS
CLS	Command Leadership School	440CP	Jackson, Ens Julie	16382	Julie.M.Jackson@cnet.navy.mil
COM	Commissary	1163 CP	Furtado, Steven	11580	cnfecso@east.deca.mil
HDCU201	Reserve REDCOM- HDCU 201	W-36	Webb, Tim EM1	13890	IBU21@cnsnf.navy.mil
IBU 21	Reserve REDCOM- IBU 21	W-36	Webb, Tim EM1	13890	IBU21@cnsnf.navy.mil
MCD	Marine Core Detachment	71CHI	Imler, Brian SSGT	13253	imlerb@nsnpt.navy.mil
MIUWU 202	Reserve REDCOM- MIUWU 202	W-36	Webb, Tim EM1	13890	IBU21@cnsnf.navy.mil
N00	Commanding Officer,	690	White, CMC Bruce	13715	whiteb@nsnpt.navy.mil
N01A	Management Services Department	690	Bridges, Keith ITC	13271	bridgesk@nsnpt.navy.mil
N01G	Staff Chaplains Office	1172	Bell, MC3 Christian	12234	bellc@nsnpt.navy.mil
N01N	Naval Exchange	1250	Bills, Tim	11388/12599	NEX_NEWPORT-SEC/NE/NEXNET.NEXNET@nexnet.navy.mil
N01N	Navy Exchange - Navy Lodge	685	Rogers, Michael	849-4500	no email
N01P	Public Affairs Office	690	Fontaine, Ron	13538	fontainr@nsnpt.navy.mil
N10	IG/MA Management Analyst	690	Joe, Alex	17713	alexj@nsnpt.navy.mil
N20	Operations/Fleet Liason	68 CC	Owens, BM2 Sharelle	12277	owenss@nsnpt.navy.mil
N31	PW Business Management	1CC	Boiani, Lisa	13841	boianil@nsnpt.navy.mil
N312	FSC	1CC	Culipher, Jim	17656	culipherj@nsnpt.navy.mil

CODE	COMMAND	BLDG NO.	HM COORDINATOR	PHONE NO.	EMAIL ADDRESS
N32	Engineering	1CC	Duff, Jim	12061	duffj@nsnpt.navy.mil
N3313	Crane Division	A63	Ferreira, Gary	12799	ferreirag@nsnpt.navy.mil
N3321	Transportation	A9	Webster, William	13736	websterw@nsnpt.navy.mil
N3322	Emergency Service & PM Branch	A63	Yeagley, Bob	12465	yeagleyr@nsnpt.navy.mil
N3323	Special Trades	A63	Hutchinson, Terrance	13174	hutchinsont@nsnpt.navy.mil
N33232	Pest Control Shop	1295	Mickool, Gerry	14487	mickoolg@nsnpt.navy.mil
N33241	Steam Plant	7	Dalton, Earl	12425	daltone@nsnpt.navy.mil
N33242	Distribution system	25	Grossman, Mike	12261	grossmanm@nsnpt.navy.mil
N33243	Electrical Operations	1CC	Duval, Pierre	13929	duvalp@nsnpt.navy.mil
N4112	Supply Operations	1166	Hagamosure, Dan	14725	hagamosured@nsnpt.navy.mil
N412	Procurement	47	Deighal, Ronald	13090	deighalr@nsnpt.navy.mil
N413	Galley	292	Trial, Paul	14506	rheej@nsnpt.navy.mil
N415N	Personal property	690	Destefano, Basil	13508	destefabib@nsnpt.navy.mil
N52	Fire Protection	1931	Martin, Mary	12225	martinm@nsnpt.navy.mil
N53	Security	116	Smith, John	13126	smithj@nsnpt.navy.mil
N5311	Armory	440CP	Albee, Stephen GM1	14144	albees@nsnpt.navy.mil
N5311	Armory	440CP	Beeman, Martin GMC	14144	beemanm@nsnpt.navy.mil

CODE	COMMAND	BLDG NO	HM COORDINATOR	PHONE NO.	EMAIL ADDRESS
N6	IRM/ITT	440	Lapoint, Robert	16639	lapointr@nsnpt.navy.mil
N71	Family Service Center	1260	Mower, Joanne	12283	mowerj@nsnpt.navy.mil
N72	Housing	47CC	Manning, Paul	13050	manningp@nsnpt.navy.mil
N73	CBQ Maintanence	47	Earnest, Brian	13582	e-mail Mark Marshal
N73	CBQ Maintanence	47	Marshall, Mark	11480	marshallm@nsnpt.navy.mil
N75	Child development	1297/103	Sullivan, kerry	11953	sullivank@nsnpt.navy.mil
N75	MWR	W-34	O'Shea, Greg	14479	petrier@nsnpt.navy.mil
N75	MWR Auto hobby shop	304 CC	Vieira, Tony	13026	vieirat@nsnpt.navy.mil
N757	MWR - Officers Club	95 CHI	Tonski, Brian	12575	tonskib@nsnpt.navy.mil
N8N	Environmental Division	1CC	Lavoie, Renee	17608	lavoier@nsnpt.navy.mil
N9	Safety	1CC	White, Leon	12478	whitel@nsnpt.navy.mil
NACC	Naval Ambulatory Care Center	44 NH	Bullard, Don	14456	drbullard@navy.med.mil
NAPS	Naval Academy PREP school -LAB	N197	Moore, Thea	14246	moore@naps.edu
NAPS	Naval Academy PREP school -Maint	N197	Guray, Enrico SK2 (SW)		grizzel@naps.edu
NBNE	Navy Band	348	Grizzel, Tony A.	12479	NBNE-Admin@nsnpt.navy.mil
NCIS	Naval Criminal Investigative Service	344	Gambrell, Debbie	13709	dgambrel@ncis.navy.mil
NCU	Naval Credit Union	657CP	Crowley, Linda	849-4399	Linda.Crowley@navyfederal.org

CODE	COMMAND	BLDG NO	HM COORDINATOR	PHONE NO	EMAIL ADDRESS
NDC	Naval Dental Center	1173	Halder, DT3	12542	nchalder@us.med.navy.mil
NJS	Naval Justice School	1288/365	Gonsalves, BM1 Nick	12065 (155)	gonsalvesnj@jag.navy.mil
NLS	Naval Legal Service	1288/365	Gonsalves, BM1 Nick	12065 (155)	gonsalvesnj@jag.navy.mil
NRRC	Naval Reserve Readiness Command- NE	344	Trillo, YN1, Pedro	13797	trillo.pedro@navy.mil
NTC	Naval Telecommunications Center	1A CC	Goff, George	13213	goffg@nsnpt.navy.mil
NWC	Naval War College-safety	991	Butz, Ross	12508	butzr@nwc.navy.mil
OTC-N 00	Naval Education and Training Center	291	Johnson, Roy	14338	Roy.E.Johnson1@navy.mil
OTC-N 10	Admin	292	Cowans, Sandy	14338	Sandy.Cowans@navy.mil
OTC-N 20	Plans and Programs	440CP	Guglielmo, John SMC	13221	John.D.Goodell@navy.mil
OTC-N 30	BOOST	197	Guglielmo, John SMC	13221	John.F.Guglielmo@navy.mil
OTC-N 40	Officer Indoctrination School (OIS)	292	Peltonen, Tim MM1	14310	timothy.peltonen@navy.mil
OTC-N 50	Chaplins	144	Stucky, Jesse RCPS	12557, ex234	jessie.l.stucky@navy.mil
OTC-N 70	Damage Control	1277 MID	Loyd, DC2 Chris	17405	chris.a.loyd@navy.mil
ITS	Instructor Training (IT)	440 CP	Recupero, Colette	14518	colette.n.recupero@navy.mil
ROICC	ROICC	1CC	Kawa, Marty	12543	kawame@efane.navfac.navy.mil
SEA	Senior Enlisted Academy	1269	Daniels, Shannon SK2	14221	shannon.m.daniels@cnet.navy.mil
SEEBEES	7th Naval Construction Regiment	1112 CP	Bellamy, BUC (SCW)	16220	bellamys@nsnpt.navy.mil

CODE	COMMAND	BLDG NO	HM COORDINATOR	PHONE NO	EMAIL ADDRESS
SWOS	SWOS	1268 CHI	Larkin, Marcus LCDR	13016	marcus.s.larkin@swos.navy.mil
SWOS 50	Communications School	85CHI	Lushinsky, Keith ET2	11100	kieth.m.lushinski@cnet.navy.mil
USCG	USCG Matt Team	68CC	Locker, Richard	16942	rlocker@matnewportri.uscg.mil
USCG	USS IDA LEWIS	Pier II	Hathaway, Mike	16948	jdovel@cgcidalewis.uscg.mil
USCG	USS JUNIPER	Pier II	Mack, Rafael EMC	841-6953	rmack@cgcjuniper.uscg.mil
USCG	USS WILLOW	Pier II	Frankel, Mark	12945	rcoon@cgcwillow.uscg.mil

CHEMICAL COMPATIBILITY CHART

Accidental mixing of one HM with another may result in a dangerous and often violent chemical reaction. Generation of toxic gases, heat, possible overflow or rupturing of containers, fire and even explosions are possible consequences of such reactions. The following chart outlines various incompatible chemicals and chemical groups and identifies the possible reactions which could occur as a consequence of incompatibles being combined.

This list is not intended to be exhaustive. Rather, it provides an owner or operator with an overview of some potential incompatibilities and the resulting reactions. The facility owners should, as regulations require, adequately analyze his wastes so that he can prevent creating uncontrolled substances or reactions of the type listed below, whether they are listed below or not. In the lists below, the mixing of a Group A material with a Group B material might have the potential consequences as noted.

Group 1-A

Acetylene sludge
Alkaline caustic liquids
Alkaline cleaner
Alkaline corrosive liquids
Alkaline corrosive battery fluid
Caustic wastewater

Lime sludge and other corrosive
alkalies
Lime wastewater
Lime and water
Spent caustic

Group 1-B

Acid sludge
Acid and water
Battery acid
Chemical cleaners
Electrolyte, acid
Etching acid liquid or
solvent
Pickling liquor and other
corrosive acids
Spent acid
Spent mixed acid
Spent sulfuric acid

Potential consequences: Heat generation. violent reaction.

Group 2-A

Aluminum
Beryllium
Calcium
Lithium
Magnesium
Potassium
Sodium
Zinc powder

Group 2-B

Any waste in Group 1-A or 1-B

Other reactive metals and metal hydrides

Potential consequences: Fire or explosion. generation of flammable hydrogen gas.

CHEMICAL COMPATIBILITY CHART (CONTINUED)

Group 3-A

Alcohols

Water

Group 3-B

Any concentrated waste in Groups 1-A or 1-B

Calcium

Lithium

Metal hydrides

Potassium SO(2)Cl(2),

SOCl(2), PCl(3), CH(3)SiCl(3)

Other water-reactive waste

Potential consequences: Fire, explosion, or heat generation. generation of flammable or toxic gases.

Group 4-A

Alcohols

Aldehydes

Halogenated hydrocarbons

Nitrated hydrocarbons

Unsaturated hydrocarbons

Other reactive organic compounds and solvents

Group 4-B

Concentrated Group 1-A or 1-B wastes

Group 2-A wastes

Potential consequences: Fire, explosion, or violent reaction.

Group 5-A

Spent cyanide and sulfide solutions wastes

Group 5-B

Group 1-B

Potential consequences: Generation of toxic hydrogen cyanide or hydrogen sulfide gas.

CHEMICAL COMPATIBILITY CHART (CONTINUED)

Group 6-A

Chlorates
Chlorine
Chlorites
Chromic acid
Hypochlorites
Nitrates
Nitric acid, fuming
Perchlorates
Pemanganates
Peroxides
Other strong oxidizers

Group 6-B

Acetic acid and other
organic acids
Concentrated mineral acids
Group 2-A wastes
Group 4-A wastes
Other flammable and
combustible wastes

Potential consequences: Fire, explosion, or violent reaction.

LIST OF ACRONYMS

The following acronyms are commonly used in the environmental community with respect to Hazardous Material (HM) management. They are provided here as a resource only.

AUL	Authorized Use List
CHRIMP	Consolidated HM Reutilization and Inventory Management Program
CO	Commanding Officer
EPA	Environmental Protection Agency
HMC	HM Center
HAZMIN	HM Minimization
HM	HM
HS	Hazardous Substance
HSMS	Hazardous Substance Management System
HW	Hazardous Waste
MSDS	Material Safety Data Sheet
NAVSTA	Naval Station
NFPA	National Fire Protection Association
PWD	Public Works Department
RIDEM	Rhode Island Department of Environmental Management