



DEPARTMENT OF THE NAVY  
NAVAL AIR STATION OCEANA  
VIRGINIA BEACH, VIRGINIA 23460-5120

NASOCEANAINST 11345.1E  
18  
29 MAY 1992

NAS OCEANA INSTRUCTION 11345.1E

Subj: HAZARDOUS WASTE DISPOSAL

- Ref: (a) Defense Environmental Quality Program Policy Memorandum 80-5  
(b) Resource Conservation and Recovery Act (RCRA)  
(c) Clean Water Act (CWA)  
(d) Toxic Substance Control Act (TSCA)  
(e) Department of Transportation Regulations  
(f) Occupational Health and Safety Act  
(g) OPNAVINST 5090.1A  
(h) Commonwealth of Virginia Department of Waste Management (VDWM) Hazardous Waste Management Regulations  
(i) NASOCEANAINST 6280.2  
(j) NASOCEANAINST 6280.1B

- Encl: (1) NAS Oceana Less Than 90 Day Accumulation Sites  
(2) Less Than 90 Day Accumulation Site Regulations  
(3) NAS Oceana Color Code System  
(4) HW Log Sheets  
(5) HW Inspection/Pickup Schedule and HW Inspection Checklist  
(6) Hazardous Waste Turn-In Sheet  
(7) DD Form 1348-1

1. Purpose. To establish management procedures for a "cradle-to-grave" documentation of in-house hazardous waste (HW) generation, accumulation, storage and disposal; and to delineate responsibility for accomplishment of same. This instruction is a complete revision and should be read in its entirety.

2. Cancellation. NASOCEANAINST 11345.1D

3. Background. Reference (a) instructs DOD to dispose of all HW in accordance with references (b) through (f). HW disposal is a critical concern to the Navy due to past practices which did not acknowledge the consequences of improper disposal methods. Reference (g) requires all Naval activities to actively protect and enhance the quality of the environment by the prevention and/or control of pollution caused by Naval facilities. The Commonwealth of Virginia has been tasked by the Environmental Protection Agency (EPA) to regulate the treatment, storage and disposal of HW within the state. Virginia's regulations are found in reference (h).

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4. Definitions

a. **Hazardous Waste** - Resource Conservation and Recovery Act (RCRA) defines a HW as a solid, liquid or gaseous waste (in any combination) which may, because of its quantity, concentration or physical, chemical or infectious characteristics:

(1) Cause or significantly contribute to an increase in mortality or in serious irreversible or incapacitating reversible, illness or

(2) Pose a substantial present or potential hazard to human health or the environment when improperly treated, stored, transported, disposed of, or otherwise managed.

To be more specific a HW is any substance which contains hazardous constituents and can no longer be utilized for its intended purpose and/or is listed as a HW by the EPA and/or it fails the ignitability, corrosivity, reactivity or toxic characteristic leaching procedure (TCLP) test. Improper discharge to the environment of any amount of HW may pose a significant threat to public health or to the environment.

b. **Hazardous Material (HM)** - A substance or material which can be used for its intended purpose and has been determined by the Department of Transportation (DOT) to be capable of posing an unreasonable risk to health, safety and property when transported in commerce. By definition all HW are also HM, but HM are not HW until they can no longer be used for their intended purpose. HM with expired shelf-lives are hazardous wastes unless the shelf-lives can be extended.

5. Policy. All activities generating or otherwise dealing with HW must adhere to the provisions of this instruction to insure that NAS Oceana complies with HW regulations. Military personnel and civilians may be held personally liable for instances of noncompliance; penalties under RCRA can be as stringent as 2 years in prison or \$50,000 per day per violation. Questions on HW management should be referred to the Environmental Division of the Public Works Department.

HW disposal is very costly. All generating activities are tasked to investigate methods to reduce the quantity of HW generated. This may be accomplished by substitution of non hazardous materials, recycling, extension of HM shelf-life, and reissuance of unused HM for suitable purposes.

6. Scope. This instruction applies to all military and civilian personnel on board NAS Oceana and NALF Fentress involved in the

use of HM and the generation of their waste products.

7. Action. Effective immediately and on a continuing basis, HW and/or HM will not be disposed of through the use of storm drains, the sewage collection system or trash dumpsters. Severe penalties will be incurred for unauthorized dumping. The following procedures will be used for all HW identification, collection, storage and disposal activities.

a. Frequent HW generators at NAS Oceana must maintain accumulation sites (less than 90 days HW accumulation). These sites are shown on enclosure (1). These sites are permitted by the Virginia Department of Waste Management (VDWM) and must comply with regulations listed in enclosure (2).

b. All HW are to be separated by appropriate category and are not to be intermixed. HW at the accumulation sites and the permitted storage facility (storage up to one year) shall be placed in properly labelled containers. The containers shall comply with the color code system described in enclosure (3). Use of the color codes will assist in proper segregation of waste. HW containers and labels are provided by the Environmental Division of the Public Works Department (PWD). When the first drop of waste enters the container, the organization responsible for the HW generation is responsible for labelling the container with the accumulation start date entered as a julian date. The generator must then log this date and the quantity of waste into the site's HW log book, which consists of log sheets provided in enclosure (4).

c. To insure compliance with VDWM regulations, weekly inspections shall be performed at all accumulation sites by members of the HW management team, using the checklist and schedule included in enclosure (5). All activities with "less than 90 day accumulation sites" shall have a qualified representative present for each inspection or inform the Environmental Division of the PWD ahead of time. The Environmental Division will forward a HW weekly inspection report to each of the HW generating activities and the Executive Officer of NAS Oceana.

d. At the scheduled Wednesday inspections FITWING/MATWING squadrons and AIMD divisions shall furnish the inspector with a "HW turn-in sheet" that indicates the type and quantity of waste requiring transfer to the storage facility. A sample copy of the turn-in sheet is provided in enclosure (6). There will be no service calls issued to squadrons except for emergency situations; the HW site operator will have to manage the waste

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accumulation so that the weekly pickups will suffice. DD Form 1348-1 as shown in enclosure (7) and the pertaining HW log sheets shall also be prepared and turned over to the HW handler with each type of waste turned in for disposal. If the waste is not regularly generated, a material safety data sheet (MSDS) is required or the Environmental Division of the PWD will not accept the waste.

e. For Weapons Department and Search and Rescue (SAR), the HW inspector will notify the activity's designated HW representative of each Wednesday's inspection time.

f. Notification of the need for a HW pickup at all generating activities except the HW 90 day accumulation sites shall be accomplished by placing a call to the PWD Trouble Desk, at 3-2847, and telling the clerk the quantity and type of waste which needs to be picked up. DD Form 1348-1 and the pertaining HW log sheets shall be submitted to the HW handler with each type of waste turned in for disposal. If the waste is not regularly generated, a MSDS shall be provided or the Environmental Division of the PWD will not accept the waste.

g. Regularly generated wastes accumulated in the color coded drums shall be turned in only if the 90 day limit is approaching or the container is sufficiently filled (approximately 2 to 3 inches from the top of container; volatile wastes can expand and create a immense amount of vapor pressure if filled completely).

h. All waste generated at NAS Oceana is stored at the permitted interim status storage facility and prepared for disposal. First, HW is logged into the facility's operating records after proper inspections are performed on each container being transferred. Next, the HW is stored in chemically compatible areas within the storage facility to avoid any reaction if a release was to occur. The Environmental Division shall arrange for HW disposal to comply with the regulations. To insure that the HW transporter and disposer is permitted and performing the work satisfactorily, the Environmental Division must complete a HW manifest for each shipment. It must be reviewed, signed and filed for at least three years.

i. All unused HM must be turned into the Supply Department if possible. Items in good condition with no shelf life and items with expired shelf life must be accompanied by a memo from Supply stating that they will not accept the material before the

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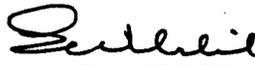
Environmental Division will accept it as a waste for disposal.

j. Reference (i) outlines proper procedures for dealing with hazardous substance spills. Once the spill has been contained and controlled, the waste and clean up material must be disposed as HW.

k. Absorbents and rags which are saturated completely with petroleum products shall be disposed of as HW. Unsaturated absorbents and rags (will not drip waste if squeezed and are usually generated by the cleaning of hands or tools not by mopping up spills) shall be disposed of in sanitary trash dumpsters. See reference (j).

l. HW (solvents and paints for example) shall not be disposed of in containers of petroleum based products. This is extremely dangerous and renders the mixture useless for recycling/reuse and significantly increases disposal costs. To assist in HW minimization, different petroleum based products (JP-5, oil, hydraulic fluid, etc.) shall be segregated in appropriate disposal/recycle containers.

8. Forms Availability. HW turn-in sheet. NASO Form 11345/1 can be obtained through the Public Works Department. DD form 1348-1 is available through Servmart.

  
L. W. URBIK

Distribution:  
NASOCEANAINST 5216.1K  
List I, II, III

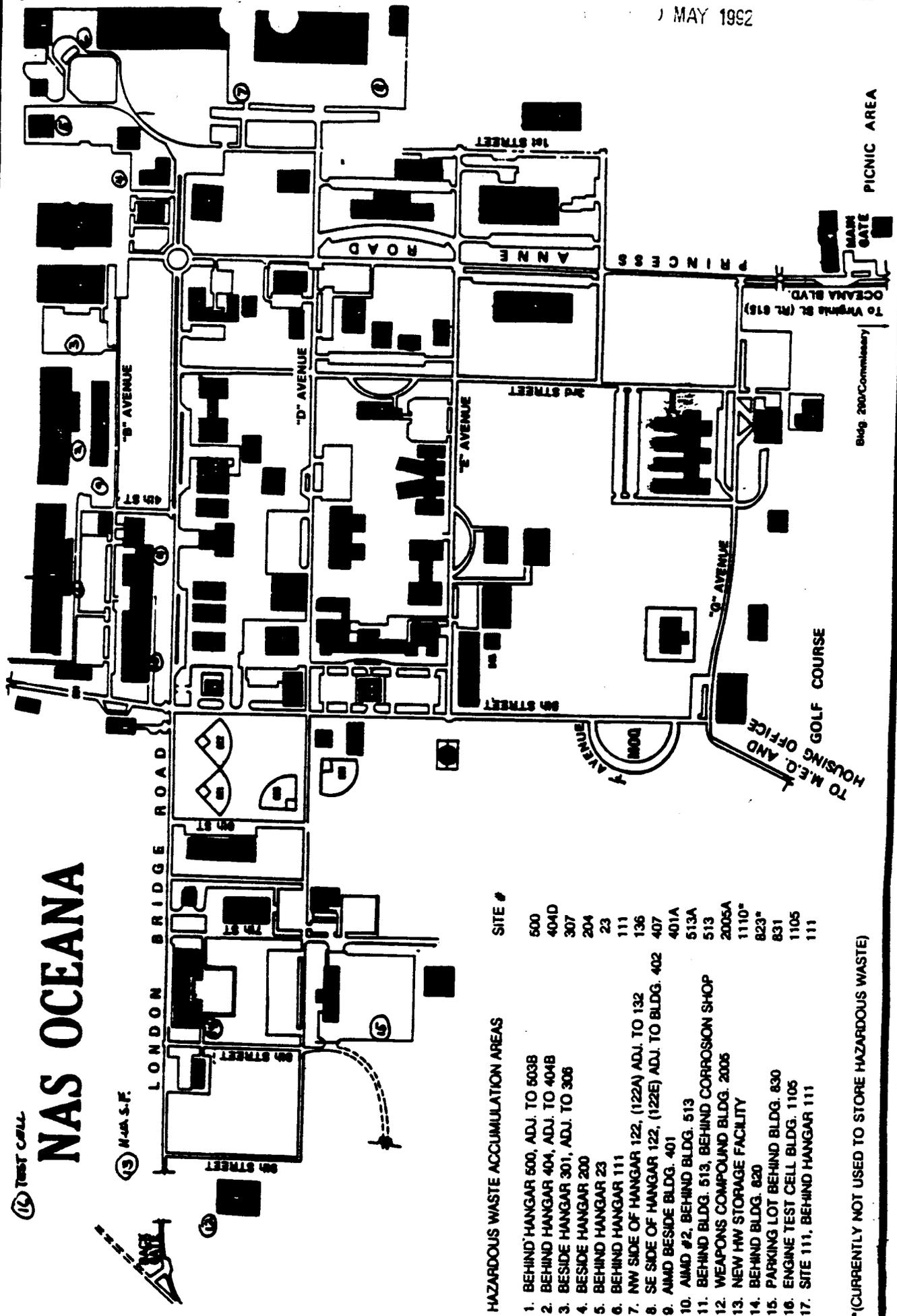
Stocked by:  
Commanding Officer  
Naval Air Station Oceana  
Virginia Beach, VA 23460-5120

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# NAS OCEANA

14 TEST CELL

13 N-44 S.F.



- | HAZARDOUS WASTE ACCUMULATION AREAS                 | SITE # |
|--|--------|
| 1. BEHIND HANGAR 600, ADJ. TO 603B                 | 600    |
| 2. BEHIND HANGAR 404, ADJ. TO 404B                 | 404D   |
| 3. BESIDE HANGAR 301, ADJ. TO 306                  | 307    |
| 4. BESIDE HANGAR 200                               | 204    |
| 5. BEHIND HANGAR 23                                | 23     |
| 6. BEHIND HANGAR 111                               | 111    |
| 7. NW SIDE OF HANGAR 122, (122A) ADJ. TO 132       | 136    |
| 8. SE SIDE OF HANGAR 122, (122E) ADJ. TO BLDG. 402 | 407    |
| 9. AAMD BESIDE BLDG. 401                           | 401A   |
| 10. AAMD #2, BEHIND BLDG. 513                      | 513A   |
| 11. BEHIND BLDG. 513, BEHIND CORROSION SHOP        | 513    |
| 12. WEAPONS COMPOUND BLDG. 2006                    | 2005A  |
| 13. NEW HW STORAGE FACILITY                        | 1110*  |
| 14. BEHIND BLDG. 820                               | 823*   |
| 15. PARKING LOT BEHIND BLDG. 830                   | 831    |
| 16. ENGINE TEST CELL BLDG. 1105                    | 1105   |
| 17. SITE 111, BEHIND HANGAR 111                    | 111    |

\* (CURRENTLY NOT USED TO STORE HAZARDOUS WASTE)

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## **LESS THAN 90 DAY ACCUMULATION SITE REGULATIONS**

1. Waste can accumulate for up to and no longer than 90 days before being disposed of or transferred to a permitted storage facility.
2. All regulated waste containers located in the site must have an accumulation start date. (julian date in which the first drop of waste enters the container)
3. Each site must have an emergency spill kit, eye wash, and fire extinguisher within 75 feet of site.
4. Only marked wastes maybe placed in the sites, no unknowns.
5. A accurate log must be kept for each container of waste being accumulated (regulated or non-regulated) and the accumulation start dates must be identical
6. All containers must have proper labeling.
7. All container lids or caps must be secured when not in use.
8. Container tops must be free of waste and maintained in a orderly manner.
9. Containers must have adequate isle space between them for safe transfer conditions.
10. All sites must have hazard signs posted
11. All sites must have adequate security precautions

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**NAS OCEANA COLOR CODE SYSTEM**

<b>TYPE OF WASTE</b>	<b>COLOR CODE</b>
<b>1. <u>CLEANING SOLVENTS (HYDROCARBONS)</u></b>	
- PD 680	Black w/white letters
- Naphtha Products	
- Toluene	
- Xylene	
<b>2. <u>PAINT THINNERS (OXYGENATED SOLVENTS)</u></b>	
- Acetone	Green w/white letters
- Ethyl Acetate	
- Isopropyl Alcohol	
- Methyl Ethyl Ketone (MEK)	
<b>3. <u>VAPOR DEGREASERS (HALOGENATED)</u></b>	
- Methylene Chloride	Blue w/white letters
- 1,1,1 Trichloroethane	
- Trichloroethylene	
- Trichlorotrifluoroethane (Freon)	
<b>4. <u>HYDRAULIC FLUID/FREON (PATCH TEST)</u></b>	
- Patch Test	White with blue band and red letters
<b>5. <u>PAINT REMOVER</u></b>	Yellow w/red letters
<b>6. <u>WASTE PAINT</u></b>	Black w/red letters
<b>7. <u>WASTE OIL</u></b>	White w/black letters
<b>8. <u>WASTE HYDRAULIC FLUID</u></b>	White w/red letters
<b>9. <u>CONTAMINATED JP-5</u></b>	Grey w/red letters
<b>10. <u>COOLANOL</u></b>	White w/blue letters
<b>11. <u>GLASS/PLASTIC MEDIA</u></b>	Black w/red letters

**\*\* Even though some wastes are listed under the same type, they shall not be placed in the same container. If multiple wastes are being generated under the same type a different container is required for each. Segregation of wastes substantially reduces the cost of disposal.**























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**HW INSPECTION/PICKUP SCHEDULE**

<b><u>ACTIVITY/SITE</u></b>	<b><u>WEDNESDAY INSP</u></b>	<b><u>PICKUP</u></b>
AIMD (B-301)	NO SCHEDULED TIME	FRI. 0930
AIMD (B-401)	NO SCHEDULED TIME	FRI. 0950
AIMD (B-513A)	NO SCHEDULED TIME	FRI. 1010
AIMD (B-513)	NO SCHEDULED TIME	FRI. 1030
AIMD (TEST CELL)	NO SCHEDULED TIME	FRI. 1050
FITWING (H-500)	1300 HOURS	THR. 1300
FITWING (H-404)	1330 HOURS	THR. 1330
FITWING (H-200)	1400 HOURS	THR. 1400
MATWING (H-111)	0900 HOURS	THR. 0900
MATWING (H-122A)	0930 HOURS	THR. 0930
MATWING (H-122)	1000 HOURS	THR. 1000
SAR (H-23)	NO SCHEDULED TIME	SER. CALL
WEAPONS	NO SCHEDULED TIME	SER. CALL
OTHERS	NO INSPECTIONS	SER. CALL

**\*\* IF A QUALIFIED REPRESENTATIVE CAN NOT BE PRESENT FOR EITHER THE INSPECTION OR THE PICKUP, PLEASE NOTIFY THE ENVIRONMENTAL DIVISION AT 3-2233. IF AN UNUSUAL SITUATION ARISES AND THE ABOVE TIMES HAVE BEEN CHANGED OR CANCELED THE ENVIRONMENTAL DIVISION WILL NOTIFY SITE COORDINATORS.**





