



COMMANDING OFFICER
NAVAL AIR STATION, NORTH ISLAND
SAN DIEGO, CALIFORNIA 92135

NASNIINST 6240.15
WPC 10781
1834/RM:n1
25 March 1982

NASNI INSTRUCTION 6240.15

Subj: NAS North Island Hazardous Waste Management Plan

- Ref: (a) OPNAVNOTE 6240 of 20 Feb 1980
(b) Resource Conservation and Recovery Act (RCRA) of 1976 (PL 94-580) (42 USC 6901-6987) (NOTAL)
(c) Environmental Protection Agency (EPA) Hazardous Waste and Consolidated Permit Regulations of 19 May 1980 (40 CFR 260 - 265) (NOTAL)
(d) California Administrative Code, Title 22, Div. 4, Chapter 30, Minimum Standards for Management of Hazardous and Extremely Hazardous Waste (NOTAL)
(e) NSCSDIEGOINST P4000.1C (NOTAL)
(f) ASD (MRA&L) memo of 13 May 1980 (DEQPPM 80-5) (NOTAL)
(g) DOT P-5800.2 Hazardous Materials 1980 Emergency Response Guidebook
(h) PWCSIEGOINST 6240.3 (NOTAL)

- Encl: (1) List of Hazardous Waste Generated at NAS North Island
(2) Procedures for Disposal of Hazardous Material/Waste (HM/HW)

1. Purpose. To establish procedures for implementation of the NAS North Island Hazardous Waste Management Plan.

2. Cancellation. This plan supersedes and cancels NAS NORTH ISLAND CA 011926Z MAR 81, Subj: Procedures for Disposal of Hazardous Waste.

3. Authority. The Hazardous Waste Management Plan for NAS North Island has been prepared in accordance with reference (a). Reference (a) established the Navy Hazardous Material Environmental Management Program and specifically required Navy shore activities to develop hazardous waste management plans in compliance with all applicable federal, state, and local regulations.

4. Definitions

a. Hazardous Material (HM). Any material which, because of its quantity, concentration or physical, chemical, or infectious characteristics, may pose a substantial hazard to human health or the environment when released or spilled into the environment.

b. Hazardous Waste (HW). Any discarded material - liquid, solid or gaseous which meets the definition of a hazardous material and/or is designated a hazardous waste by the Environmental Protection Agency (EPA) or state hazardous material control authority.

c. Excess Hazardous Material (EHM). Ready for issue excess material no longer needed by the generating activity that is classifiable as HM and has a dollar value greater than 20 dollars. (If less than 20 dollars, it will be treated as HW.)

d. Collection, Storage and Transfer (CST) Facility. A specially designed and operated HM/HW storage facility which complies with standards established by the State of California and federal law.

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5. Hazardous Waste Regulations

a. The Hazardous Waste Management System at NAS North Island must comply with all applicable federal, state and local regulations. These regulations are numerous and extremely complex. The most important regulations, in terms of hazardous waste, are those promulgated under the authority of reference (b). The Resource Conservation and Recovery Act (RCRA) directs the EPA to protect human health and the environment from the improper management of hazardous waste.

b. Reference (c), is designed to control hazardous waste from the point of generation to secure disposal. The regulations use the following mechanisms to control hazardous waste:

(1) Facilities which store, treat and/or dispose of hazardous wastes must apply for permits and comply with their conditions.

(2) Hazardous waste being hauled off-site to a storage, treatment, or disposal facility must be accompanied by a manifest which provides a waste description and designates the receiving facility. Other features of the regulations include a notification requirement for organizations engaged in hazardous waste activities; annual reporting requirements; generator, transporter, and facility standards; and a deadline for filing applications for facility permits.

c. Reference (d), specifies the requirements to treat, handle, transport, store and dispose of hazardous waste within California. It is expected that the EPA, in the near future, will grant the state authority over hazardous waste management within California. With granting of authority EPA is declaring that the state regulations, at a minimum, comply with the federal regulations and the state has the mechanism to enforce the regulations.

6. Background. Reference (a) established the overall Navy policy program for management of hazardous materials in accordance with environmental law and EPA regulations. Pursuant to this program, Public Works Center (PWC) San Diego has been designated as coordinator for the San Diego area for actions to comply with federal, state and local requirements with respect to collection, storage and transfer of hazardous waste. To facilitate compliance with the federal and state regulations the PWC has established CST Facilities at NAS North Island; Naval Station, San Diego and the Navy Submarine Support Facility. An operating permit application for the CST's was submitted to the State of California in April 1980. The EPA was notified of the generation, treatment and storage of hazardous waste at NAS North Island and of the Defense Property Disposal Office hazardous waste storage facilities at NAS North Island and OLF Imperial Beach in November 1980.

7. Discussion

a. In general, any substance that cannot legally be disposed of in a normal sanitary landfill or into a refuse incinerator designed to handle municipal type refuse to which cannot be discharged into a sanitary sewerage system is considered a hazardous waste (i.e., contaminated solvents, thinners, paint residues). Any hazardous material can become a waste after having served its intended purpose, after exceeding its shelf life, by becoming contaminated, or by having been spilled. Hazardous wastes that are identified as being generated at NAS North Island are listed in enclosure (1).

b. To dispose of a hazardous waste the activity or command simply must know what the waste is and complete DD Forms 1149 and 1348-1 to transfer the hazardous waste to the PWC. PWC will pick up and transport the hazardous waste to the nearest CST. At the CST the various materials/wastes are collected, cataloged, stored, consolidated, packaged, documented, labeled,

manifested, shipped for recycling or disposal, tracked, recorded, filed, and reported pursuant to all applicable laws, rules and regulations.

c. A job number for NAS North Island activities, has been established at PWC to facilitate processing of the hazardous waste. Ships have been authorized by Commander in Chief, U. S. Pacific Fleet to charge the utilities open allotment for hazardous waste disposal. Naval Air Rework Facility (NAVAIREWORKFAC) personnel should contact the NAVAIREWORKFAC Industrial Chemical Handlers for disposal of hazardous waste.

d. The procedures associated with this instruction are not necessary if the material or waste is not "hazardous". If a question exists as to whether or not a known substance is "hazardous", PWC will provide activities with that answer at no cost. If the nature or composition of material or waste is not known, PWC will provide the activity with a cost estimate for chemical sampling and analyses to determine composition. Upon receipt of funding in the amount of the estimate, PWC will identify the unknown. The material can then be handled under the normal procedures of this instruction.

e. When an activity utilizes a PWC CST facility for turn-in of excess hazardous material for which a credit is sought from the Naval Supply Center (NSC), that activity must comply with all requirements (including packaging and documentation) of reference (e) in addition to the requirements of this instruction. The nature and amount of credit to an activity remains totally a matter between the activity and NSC. If NSC does not accept the material, it will be processed as a hazardous waste.

f. Pursuant to reference (f), the Defense Property Disposal Service (DPDS) is responsible for the disposal of most stock number identifiable hazardous materials or wastes. PWC examines all turned-in materials/wastes for DPDS disposal responsibility. When applicable, PWC prepares required documents for material accountability transfer to Defense Property Disposal Office (DPDO), San Diego, and effects the transfer. For materials and wastes that are not within DPDS responsibility, PWC arranges for disposal as a hazardous waste.

g. PWC will accept materials that do not require public highway transport in nearly any container of adequate integrity based on PWC inspection. Where transport over public roads is required, Department of Transportation (DOT) approved containers or equivalent must be used for any items considered to be hazardous. It is suggested that customers turn in materials and/or wastes in the item's original containers to the maximum extent possible. Note: Activities are cautioned that it is a criminal violation of federal law to knowingly transport hazardous waste on a public road without a permit.

h. Exceptions - PWC will not handle the following wastes:

- (1) Radioactive wastes (disposition instructions should be requested from NSC Oakland in accordance with NAVSUPINST 5101.9).
- (2) Otto Fuel (for disposal contact Weapons Department at 437-6595).
- (3) Explosives (for disposal contact Weapons Department at 437-6595).
- (4) Infectious Waste (for disposal contact the Navy Regional Medical Center at 233-2526).
- (5) Polychlorinated biphenyls (disposal on a case by case basis by PWC).

8. Oily Waste. Oily Waste shall be collected and stored in drums or tanks (bousers). For disposal contact the Fuel Farm at 437-7091. Arrangements will

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be initiated for pumping out the drums/tanks and transporting the oily waste to the Fuel Farm main storage tank for recycling. Ships bilge waste is pumped via pipeline to NAS North Island's Oily Waste Recovery Plan.

9. Handling and Storage of Hazardous Material. The Supply Department normally receives all hazardous material in shipping containers that comply with DOT specifications (CFR 49 Parts 100 - 199). Hazardous material shall be retained in its original or an equivalent shipping container with proper labeling to minimize the hazards associated with an accident. The activity that receives hazardous material shall have a secure, safe storage space for the hazardous material that complies with all Occupational Safety and Health Activity (OSHA) and other safety requirements. If such space is not available, then the deficiencies should be identified and a request for correction submitted through the appropriate channels.

10. Personnel Protective Equipment. All HM/HW are toxic to some degree. Personnel exposed to HM/HW shall be provided with the appropriate personnel protective equipment. For information on the protective equipment required contact the Safety Office:

NAS North Island - 437-6181
NAVAIREWORKFAC - 437-7448

PWC - 235-2720
NSC - 235-3662

11. Spills. HM/HW shall be contained and cleaned up immediately utilizing an absorbent (i.e., safe-step) and/or rags to prevent contamination of San Diego Bay or the Pacific Ocean via the storm drain system. Prior to clean-up efforts, personnel shall be equipped with appropriate protective equipment (gloves, respirators, boots, etc.). In the event of major spills (over 1 gallon), the Fire Department should be notified at X6375* (emergency X6333). The waste material (absorbent rags) shall be stored in covered metal containers and disposed of as a hazardous waste. Reference (g) was developed for use by firefighters, police and other emergency services as a guide for initial actions to be taken to protect themselves and the public when they are called to handle incidents involving hazardous materials. The information given is intended to provide guidance primarily during the initial phases following an incident.

*NAS North Island Fire Department - For activities not aboard North Island contact the local Base Fire Department.

12. Procedures for Disposal of Hazardous Material/Waste. Reference (h) outlined the procedures for disposal of HM/HW waste. The procedures are given in enclosure (2).

13. Empty Containers. A container is defined as any portable device in which a material is stored, transported, disposed of, or otherwise handled, which is normally turned-in to the DPDO for disposal, including those whose last content was a hazardous substance. A container that previously held nonhazardous or hazardous material is "empty" if it contains no more than 2.4 centimeters (one inch) of residue on the bottom after all materials have been removed from that type of container.

a. Nonhazardous - For empty containers whose last contents were known to have been a nonhazardous substance. A DD Form 1348-1 is to be completed and the DPDO contacted at 437-7833 to schedule an appointment for delivery of the container(s) to Building 291. The turn-in activity will certify in Block C of the DD Form 1348-1 "non-H", and ensure any labels/markings on the container are consistent with the nonhazardous certification. If the DD Form 1348-1 certification and the container markings/labels are not consistent the DPDO will reject the turn-in. If a container has been triple-rinsed, thus automatically rendering it nonhazardous, the container should indicate triple-rinsed and Block C of the DD Form 1348-1 should reflect non-HZ/triple-rinse.

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b. Hazardous - For those empty containers whose last contents are known to have been a hazardous substance, the containers are to be disposed of in accordance with the procedures given in enclosure (2).

14. Forms. DD Forms 1149 and 1348-1 are available through normal supply channels.



ROBERT B. WATTS

Distribution:
NASNIINST 5215.2P
Lists B (Case I)
C and
D (Case I)

Stocked at:
Administration Department (Code 111)
Naval Air Station, North Island
San Diego, California 92135

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LIST OFHAZARDOUS WASTE GENERATED AT NAS NORTH ISLANDCommercial Chemical Products

Acetone	Lead acetate
Allyl alcohol	Mercury
Aniline	Methanol
Arsenic	MOCA-(4-4'-Methylene-bis)
Arsenic acid	(2 chloroaniline)
Arsenic Pentoxide	Methyl ethyl ketone (MEK)
Asbestos	Methyl ethyl ketone peroxide
	Methyl isobutyl ketone
	Methyl methacrylate
Benzene	Naphthalene
Benzidine	1-Naphthylamine
Beryllium dust	4-Nitrophenol
N-Butyl alcohol	
	Pentachlorophenol
Cadmium	1, 3-Pentadiene
Carbon disulfide	Phenol
P - Chloroaniline	Potassium cyanide
Chlorodane	Pyridine
Chloroform	
Chromium	Quinones
Copper cyanide	
Crestoe	Resorcinol
Cresols	
Cyanogen bromide	Silver
Cyanides	Silver cyanide
Cyclohexane	Sodium azide
Cyclohexanone	Sodium cyanide
Dichlorodifluoromethane	Tetrachloroethane
1, 2-trans-dichloroethylene	Tetrachloromethane
Dichloromethane (Methylene Chloride)	Thallium sulfate
Dimethoate	Toluene
Di-n-octyl phthate	Toluene diamine
1, 4-dioxane	Toluene diisocyanate
	Trichloroethene
Ethyl acetate	1, 1, 1-Trichloroethane
Ethyl ether	1, 1, 2-Trichloroethane
Ethylene oxide	Trichlorofluoromethane
Formic acid	Urethanes
Formaldehyde	
	Xylene
Heptachlor	
Hydrazine	
Hydrofluoric acid	
Hydrogen sulfide	
Iodomethane	
Isobutyl alcohol	

Enclosure (1)

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B. Hazardous wastes from nonspecific sources:

The spent halogenated solvents used in degreasing, tetrachloroethylene, methylene chloride, 1,1,1-Trichloroethane, carbon tetrachloride, and the chlorinated fluorocarbons; and sludges from the recovery of these solvents and degreasing operations.

The spent nonhalogenated solvents, xylene, acetone, ethyl acetate, ethyl acetate, ethyl benzene, ethyl ether, n-butyl alcohol, cyclohexanone, and the still bottoms from the recovery of these solvents.

The spent nonhalogenated solvents, methanol, toluene, methyl ethyl ketone, methyl isobutyl ketone, carbon disulfide, isobutanol, pyridine and the still bottoms from the recovery of these solvents.

Wastewater treatment sludges from electroplating operations.

Spent plating bath solutions from electroplating operations.

Plating bath sludges from the bottom of plating baths from electroplating operations.

Spent stripping and cleaning bath solutions from electroplating operations.

Quenching bath sludge from oil baths from metal heat treating operations.

Spent solutions from salt bath pot cleaning from metal heat treating operations.

Quenching wastewater treatment sludges from metal heat treating operations.

Paint residues generated from industrial paintings.

Wastewater treatment sludges from industrial paintings.

Dissolved air flotation (DAF) float from the petroleum refining industry.

API separator sludge from the petroleum refining industry.

Enclosure (1)

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PROCEDURES FOR DISPOSAL OF HAZARDOUS MATERIAL/WASTE (HM/HW)

1. Segregate all HM/HW and collect in cans or drums, preferably in their original containers.
 2. *Contact PWC by telephone at (714) 235-1511, Monday through Friday (holidays excepted), 0730 to 1600. Contact may be initiated by sending one copy of DD Form 1149 to PWC, Code 671, at Box 113, Naval Station, San Diego, California 92136.
 3. PWC will schedule an appointment for inspection of the HM/HW. On completion of inspection, PWC may make acceptance conditional on proper packaging, chemical analysis, or other information or action on the part of the activity. If chemical analysis is required, PWC will give activity an estimate of the cost of sampling and analyses. Activity will submit a work request NAVCOMPT Form 140, to PWC in the estimated amount for PWC to conduct the necessary testing. (A job number has been established at PWC for NAS North Island activities. Ships have been authorized to charge the utilities open allotment).
 4. Complete DD Forms 1149 and 1348-1 as directed by PWC (examples attached).
 5. PWC will schedule an appointment for pick-up of the HM/HW or for large quantities beyond the handling capability of PWC direct that the HM/HW be delivered to the CST.
 6. Upon pick-up PWC will give activity a copy of the DD Forms 1149 and 1348-1, signed by an authorized PWC representative, and retain remaining copies for PWC records. The copy of DD Forms 1149 and 1348-1 should be maintained by the activity for future reference.
- *NAVAIREWORKFAC SHOPS: To dispose of HM/HW contact the NAVAIREWORKFAC Industrial Chemical Handlers, Code 650. Contact should be initiated by a trouble call. The chemical handlers are to follow the procedures given above for disposal of HM/HW.

EXAMPLE A TO ENCLOSURE (2)

1 FROM	2 TO	3 SHIP TO - MARK FOR	4 APPROPRIATION AND TURNED	5 OBJ. CL.	6 BUR. CONT. NO.	7 SUBAL. LIST	8 AUTHORIZATION ACTIVITY	9 TRANS. TYPE	10 FEDERAL STOCK NUMBER, DESCRIPTION, AND CODING OF MATERIAL AND/OR SERVICES (b)	11 UNIT ISSUE (c)	12 QUANTITY REGISTERED (d)	13 SUPPLY ACTION (e)	14 TYPE TANKER (f)	15 COM. NOS. (g)	16 UNIT PRICE (h)	17 TOTAL COST (i)	18 AMOUNT									
<p>SHIPPING CONTAINER TALLY → 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50</p> <p>REQUISITION AND INVOICE/SHIPPING DOCUMENT</p> <p>1 FROM: ADM - NASNI, San Diego, CA 92135</p> <p>2 TO: PWC CODE 614 PO BOX 113 NAVAL STATION, SAN DIEGO, CA 92136</p> <p>3 SHIP TO - MARK FOR: HAZARDOUS MATERIAL/WASTE DISPOSAL 81-1147</p> <p>4 APPROPRIATION AND TURNED: TRICK</p> <p>5 OBJ. CL.: HAZARDOUS MATERIAL</p> <p>6 BUR. CONT. NO.: 100246-1086-7918/7919</p> <p>7 SUBAL. LIST: 1</p> <p>8 AUTHORIZATION ACTIVITY: 27 MAR 81</p> <p>9 TRANS. TYPE: 1</p> <p>10 FEDERAL STOCK NUMBER, DESCRIPTION, AND CODING OF MATERIAL AND/OR SERVICES (b): 1. 9C 6140-00-981-5864 KIT, ELECTROLITE 2. 9C-8810-00-551-1487 TRICHLOROETHANE, TECH (55 GAL EA)</p> <p>11 UNIT ISSUE (c): KT, DR</p> <p>12 QUANTITY REGISTERED (d): 48, 1</p> <p>13 SUPPLY ACTION (e):</p> <p>14 TYPE TANKER (f):</p> <p>15 COM. NOS. (g):</p> <p>16 UNIT PRICE (h):</p> <p>17 TOTAL COST (i):</p> <p>18 AMOUNT:</p>																										
19 TRANSPORTATION VIA WAYS OR MESS. CHANGEABLE TO	20 SPECIAL HANDLING	21 TOTAL WEIGHT	22 DESCRIPTION	23 DATE	24 CUSTOMER RECEIVED	25 DATE	26 RECEIVED	27 DATE	28 POSTED	29 RECEIVER'S VOUCHER NO.	30 NET TOTAL	31 GROSS TOTAL														
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ORIGINAL

REPLACES EDITION OF 1 MAY 58 WHICH MAY BE USED

DD FORM 1149 10-PTI

NASNIINST 6240.15

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EXAMPLE B TO ENCLOSURE (2)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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