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NSWC INDIAN HEAD
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LETTER FROM U S NAVY REGARDING DISPOSAL OPTIONS FOR UNKNOWN LAB
REAGENTS AT VACATED LABORATORY BUILDINGS NSWC INDIAN HEAD MD
12/21/1990
NSWC INDIAN HEAD



DEPARTMENT OF THE NAVY
NAVAL ORDNANCE STATION
INDIAN HEAD, MARYLAND 20640-5000

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Ser 0965/587
21 DEC 90

Maryland Department of the Environment
Hazardous Waste Program
Attn: Mr. Alvin Bowles
2500 Broening Highway
Baltimore, MD 21224

Gentlemen:

During the week of December 17, 1990, we contacted Mr. Ed Hammerberg of your office to discuss disposal options for excess explosive and unknown lab reagents. These chemicals were discovered when a tenant command at our facility vacated several explosive laboratory buildings.

Our explosive safety personnel investigated the nature and condition of these chemicals. A summary of their findings is provided in enclosure (1). In addition, because the explosive and unknown chemicals came from the same location in an explosive laboratory, we believe that the unknown chemicals are explosives or at the least explosively contaminated.

As part of our facility's mission for the Department of the Navy, we routinely determine hazard and interim hazard Department of Transportation (DOT) classifications fro the transport of explosive materials. However, based on our expertise and additional research, our Naval Explosive safety experts have determined that none of the chemicals listed in enclosure (1) are safe for transport across public highways. Physical evidence such as crystallization indicate increased sensitivity and prohibit hazard classification assignment.

Although we contacted the commercial companies suggested by Mr. Hammerberg, none of these companies can transport the chemicals in question without first determining the DOT hazard classifications. Two of the companies will not handle explosives. Enclosure (2) is a list of the companies contacted.

As discussed with Mr. Hammerberg, we believe that a temporary emergency permit as detailed in COMAR 26.13.07.14 is necessary for the transportation and treatment of these chemicals. We request that you issue our facility such a permit to treat these chemicals. Upon permit approval, we plan to request that the Explosive Ordnance Disposal team from the Naval Surface Warfare Center at Dahlgren treat these chemicals at our facility.



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We would like to address the treatment of these chemicals as soon as possible. If you have any questions or require any additional information, please contact Sherry McCahill at (301) 283-7745/46.

Sincerely,



KENNETH D. MORIN, P.E.
Director, Utilities/
Environmental Division
By direction of
the Commanding Officer

Encl:

- (1) Inventory of Explosive
and Unknown Chemicals
- (2) Commercial Companies
Contacted

Copy to:

NAVSEASYSKOM (SEA 654E)
CHESNAVFACENGCOM (114)

INVENTORY OF EXPLOSIVE AND UNKNOWN CHEMICALS

ITEM NO.	DESCRIPTION	WT.	LOCATION
1	2,4 Dinitro-phenyl-Hydrazine	100 grams	PET Box 1
2	N,N, Dimethyl-p-nitro-aniline	50 grams	PET Box 1
3	2,4 Dinitrodiphenylamine	200 grams	PET Box 1
4	Dinitrophenol	200 grams	PET Box 1
5	Dinitrophenol (Sodium Derivative)	200 grams	PET Box 1
6	Urea Nitrate	1 LB	PET Box 1
7	2,4,6 Trinitroresorcinol	10 grams	PET Box 1
8	2,2,4,4,6,6 Hexanitrodiphenylamine	5 grams	PET Box 1
9	Picryl Chloride (Dry)	100 grams	PET Box 2
10	Picryl Chloride (10% water wet)	2 Kg	PET Box 2
11	2,4 Dinitrososoresorcinol	100 grams	PET Box 2
12	White Solid Crystals-labeled 96-1 glass bottle	100 grams	Bldg 923
13	Metal 1-pint can-marked Class B Explosive	1 LB	Bldg 923
14	Glass Bottle-white Powder Solid	5 grams	Bldg 923
15	Brown Glass Bottle-liquid	100 ml	Bldg 923
16	Clear Glass-cork Stopper Top-gray Solid	50 grams	Bldg 923
17	Brown Glass .5 pt Bottle-white Solid Crystals	100 grams	Bldg 923
18	Metal Paint Can-unknown contents	.5 pt	Bldg 923
19	.5 pt Brown Glass Bottle-clear Solids Inside	50 grams	Bldg 923
20	.5 Brown Glass Bottle-liquids and Wite Crystals	50 grams	Bldg 923
21	Sample #38-clear Solids with White Crystals on Lid-brown Glass .5 pt Bottl	150 grams	Bldg 923
22	Sample #23-glass Bottle-brown Liquid w/brown Crystal on Lid Inside Top	.5 pt	Bldg 923
23	Sample #105-clear Glass .5 pt Bottle-liquid and White Crystals	200 grams	Bldg 923
24	.5 pt Clear Glass Bottle-greenish Liquid	250 ml	Bldg 923
25	Sample #203-clear Glass Bottle-white Crystals Formed on Lid	100 grams	Bldg 923
26	Brown Bottle-glass Sealed Top-liquid	1 Qt	Bldg 923
27	Brown Bottle-glass Sealed Top-liquid	1 Qt	Bldg 923
28	Small Brown Glass Bottle-liquid and Solids	10 grams	Bldg 923

ENCLOSURE(1)

COMMERCIAL COMPANIES CONTACTED

NAME	WASTES HANDLED	LOCATION	PHONE NO.
GSX Services	Non-explosives	Laurel, MD	(301) 953-9583
Ecoflow	Non-explosives	Savage, MD	(301) 498-4550
Bryson Industrial Service	Explosive Materials	Lexington, SC	(803) 359-7027
Clean Venture	Explosive Materials	Lithicum, MD	(301) 636-8290
Chemical Waste Management	Nonresponsive to Inquiry	Oakbrook, IL	(708) 218-1621

ENCLOSURE(2)