130055

New York State Department of Environmental Conservation
Division of Hazardous Waste Remediation
Bureau of Hazardous Site Control
Additions/Change to Registry Summary of Approvals

Site Name Jakobson Shipyard DEC I.D. Number 130055

Current Classification _____

Activity [1] Add as Class 2a [ ] Reclassify to ___ [ ] Delist Category ___ [ ] Modify ___

Approvals.

Regional Hazardous Waste Engineer — Yes [✓] No [ ] _____

NYSDOH — Yes [✓] No [ ] _____

DEE — Yes [✓] No [ ] _____

BHSC: a. Investigation Section — Yes [✓] No [ ] _____

b. Site Control Section — Robert J. Marino Date 8/31/92

c. Director — [signature] Date 9/2/92

DHWR Assistant Director — [signature] Date 9/4/92

Notification Letter mailed 1/12/93

* 8/13 meeting with PRP, White Plains F.O., Regional Director, DHWR Reg 1 staff, Marine Resources, John Swartwout and Bob Marino resulted in decision to recommend landside of site (shipyard) class 2a and not to list dry dock area (water side of shipyard). Marine Resources is overseeing clean-up of sediments. PRP is anxious to complete the additional work we are asking them to do.

STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
REGISTRY SITE CLASSIFICATION DECISION

1. SITE NAME	2. SITE NO.	3. TOWN/CITY/VILLAGE	4. COUNTY
Jakobson Shipyard	130055	Oyster Bay	Nassau

5. REGION 1 | 6. CLASSIFICATION: CURRENT ____ PROPOSED 2a MODIFY ____

7. LOCATION OF SITE (Attach U.S.G.S. Topographic Map showing site location)

a. Quadrangle	b. Site Latitude	Longitude	c. Tax Map Number
Bayville	40°52'30"	73°32'38"	See No. 8

8. BRIEFLY DESCRIBE THE SITE (Attach site plan showing disposal/sampling locations)
Tax Map Number - Section 27, Lots 1,5,19,33,117,217

Jakobson Shipyard is located on West End Avenue in Oyster Bay. It is bordered on the north by Oyster Bay Harbor and is in close proximity to Beekman Beach and Theodore Roosevelt Memorial Park on the west and east, respectively.

Jakobson Shipyard, operating since 1938, built steel tug boats. Recently, operations focus on the repair and maintenance of commercial boats and yachts.

a. Area 6 acres b. EPA ID Number _____
c. Completed ( ) Phase I (X) Phase II ( ) PSA ( ) RI/FS ( ) Other
PRP funded Site Assessment

9. HAZARDOUS WASTES DISPOSED
Lead (TCLP), EPA waste code D008
Tetrachloroethene F001

10. ANALYTICAL DATA AVAILABLE
a. ( )Air (X)Groundwater ( )Surface Water (X)Soil (X)Waste ( )EPTox (X)TCLP
b. Contravention of Standards or Guidance Values
TCLP lead exceeded the 5 ppm regulatory level in ten surface soil samples.
Tetrachloroethene was detected in soils by the former parts cleaner at 24 ppm.

11. JUSTIFICATION FOR CLASSIFICATION DECISION
Hazardous waste disposal has been documented. Ten surface soil samples exceeded the 5 ppm regulatory limit for lead and tetrachloroethene was detected in soil at 24 ppm.

Significant threat has not been determined. An impact to groundwater has not been demonstrated and the degree to which the bulkhead prevents run-off from entering the bay has also not been determined.

12. SITE IMPACT DATA
a. Nearest surface water: Distance adj. ft. Direction N Classification SA
b. Nearest G.W.: Depth 5 ft. Flow Direction N ( )Sole Source ( )Primary ( )Principal
c. Nearest water supply: Distance ____ ft. Direction ____ Active ( )Yes ( ) No
d. Nearest building: Distance 0 ft. Direction ____ Use _____
e. In State Economic Development Zone? ( )Y (x)N
f. Crops or livestock on site? ( )Y (x)N
g. Documented fish or wildlife mortality? ( )Y (x)N
h. Impact on special status fish or wildlife resource? ( )Y (x)N
i. Controlled site access? (x)Y ( )N
j. Exposed hazardous waste? (x)Y ( )N
k. HRS Score _____
l. For Class 2: Priority Category ___

13. SITE OWNER'S NAME	14. ADDRESS	15. TELEPHONE NUMBER
Thordane Land Corp.	P.O. Box 329, Oyster Bay, New York	

16. PREPARER
Elaine M. Zuk
Signature Date
Elaine M. Zuk, Eng. Geo. I, BHSC, DHWR
Name, Title, Organization

17. APPROVED
9/4/92
Asst D.
Name, Title, Organization

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL REPORT

CLASSIFICATION CODE: 2a REGION: 1 SITE CODE: 130055
EPA ID:

NAME OF SITE : Jakobson Shipyard
STREET ADDRESS: West End Avenue

TOWN/CITY:	COUNTY:	ZIP:
Oyster Bay	Nassau	11771

SITE TYPE: Open Dump- X Structure- Lagoon- Landfill- Treatment Pond-
ESTIMATED SIZE: 6 Acres

SITE OWNER/OPERATOR INFORMATION:
CURRENT OWNER NAME....: Thordane Land Corp.
CURRENT OWNER ADDRESS.: PO Box 329, Oyster Bay, NY
OWNER(S) DURING USE...: Jakobson Shipyard
OPERATOR DURING USE...: Jakobson Shipyard
OPERATOR ADDRESS.....: West End Ave., Oyster Bay, NY
PERIOD ASSOCIATED WITH HAZARDOUS WASTE: From 1938 To Present

SITE DESCRIPTION:
This six acre site is bordered on the north by Oyster Bay Harbor and is in close proximity to Beekman Beach and Theodore Roosevelt Memorial Park on the west and east respectively. Site operations since 1938 have included the construction of steel tugboats and the repair and maintenance of commercial boats and yachts. Site soils are contaminated with heavy metals, halogenated volatile organic compounds, phenols, and petroleum hydrocarbons. This contamination resulted from boat repair, sanding, painting, cleaning parts, bulk petroleum storage tanks, waste oil storage, and areas of mechanical equipment usage.
Lead, present in the paint sanding wastes disposed of on surface soils, is the most serious inorganic contamination on the site.
Jakobson voluntarily cleaned up the land base areas prior to signing a consent order with the Department. A PSA is in progress to check the effectiveness of this clean-up that was performed without NYSDEC oversight. Sandblasting of small coastal vessels at Jakobson drydock has contaminated the adjacent sediments of Oyster Bay with heavy metals. An IRM dredging project is underway to study and remediate these sediments.

HAZARDOUS WASTE DISPOSED:

TYPE	QUANTITY (units)
Lead (D008)	unknown
Tetrachloroethylene (F001 - F002)	unknown

SITE CODE: 130055

ANALYTICAL DATA AVAILABLE:
Air- Surface Water- Groundwater-X Soil-X Sediment-X

CONTRAVENTION OF STANDARDS:
Groundwater- Drinking Water- Surface Water- Air-

LEGAL ACTION:

TYPE..: PSA State- X Federal-
STATUS: Negotiation in Progress- Order Signed- X

REMEDIAL ACTION:

Proposed- Under design- In Progress-X Completed-
NATURE OF ACTION: IRM dredging project

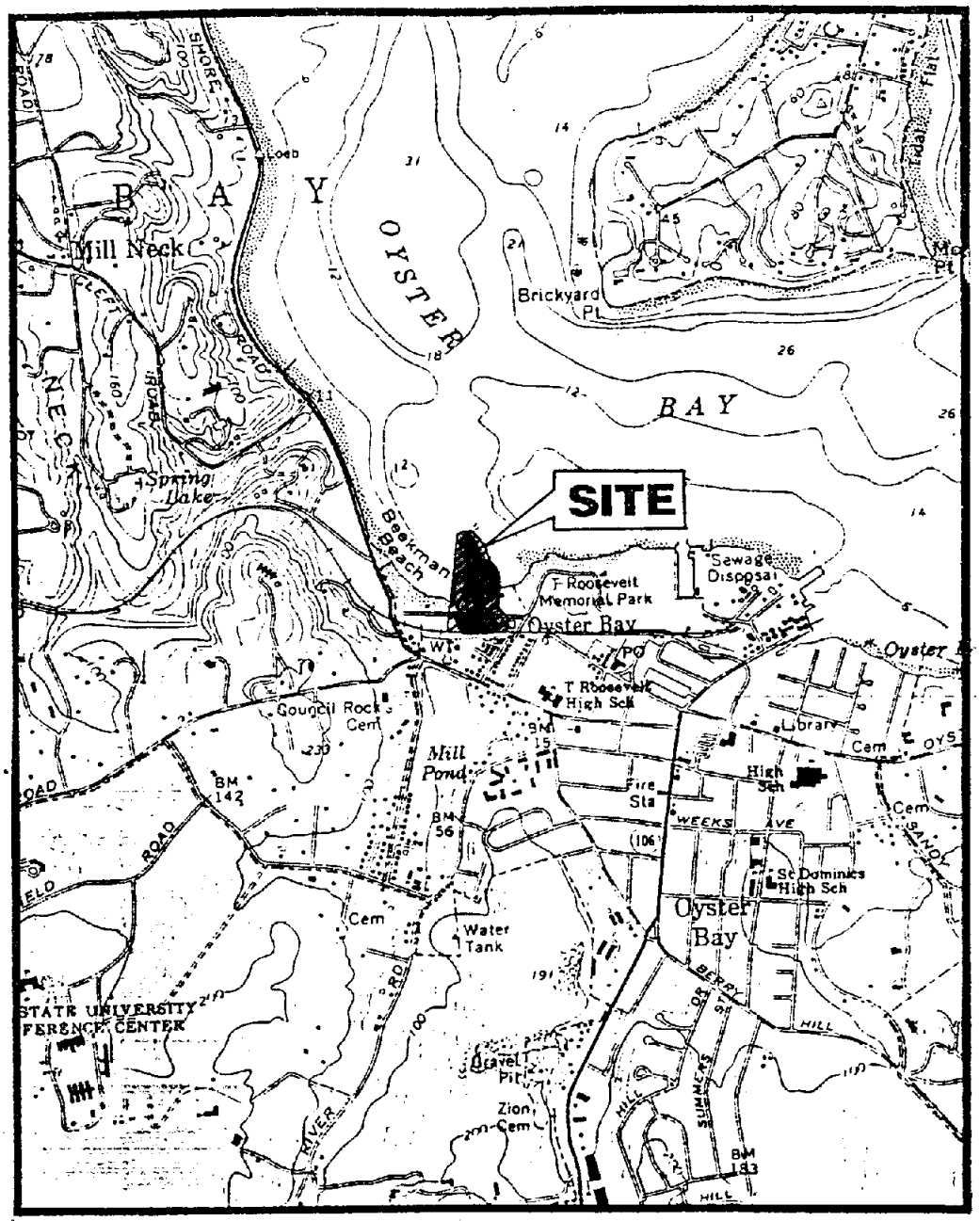
GEOTECHNICAL INFORMATION:
SOIL TYPE: Fill, sand and gravel
GROUNDWATER DEPTH: less than 5 feet

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

The sediments adjacent to the drydock are contaminated with heavy metals.

ASSESSMENT OF HEALTH PROBLEMS:

Groundwater at the site is not used for potable purposes and the area is served by a public water supply. Sandblasting residues visible in the dry dock area may be contaminating surface waters, sediments, and adjacent beaches, potentially exposing water recreationists to site-related hazardous substances. Potential discharges of heavy metals to the harbor pose a threat to the Oyster Bay National Wildlife Refuge and people who eat shellfish taken from these waters. The planned collection, analysis, and removal of contaminated sediments by the responsible party will be used to evaluate these exposures. Sampling of adjacent surface soils and beaches by the NYSDEC showed no evidence of site-related lead contamination. There is interest in purchasing the property, for a public park after the site cleanup is done. Clamming is prohibited by DEC order due to coliform contamination.



SCALE 1:24 000

1 0 1/2 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETRE

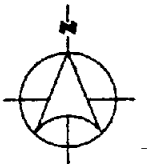
BAYVILLE, N.Y.—CONN.

N4052.5—W7330/7.5
PHOTOINSPECTED 1975
1967

AMS 6265 I NE—SERIES V821

Mapped by the Army Map Service
Edited and published by the Geological Survey
Revised by the Geological Survey in cooperation with New York Department of Transportation

QUADRANGLE LOCATION



DESIGNED BY: K.U. DRAWN BY: K.U
CHECKED BY: C.J.K. SCALE: 1"=2000'
REVIEWED BY: K.A.C. DATE: APRIL, 1991

GZA GeoEnvironmental, Inc.

SCALE IN FEET
1"=2000'
0' 1000' 2000' 4000'

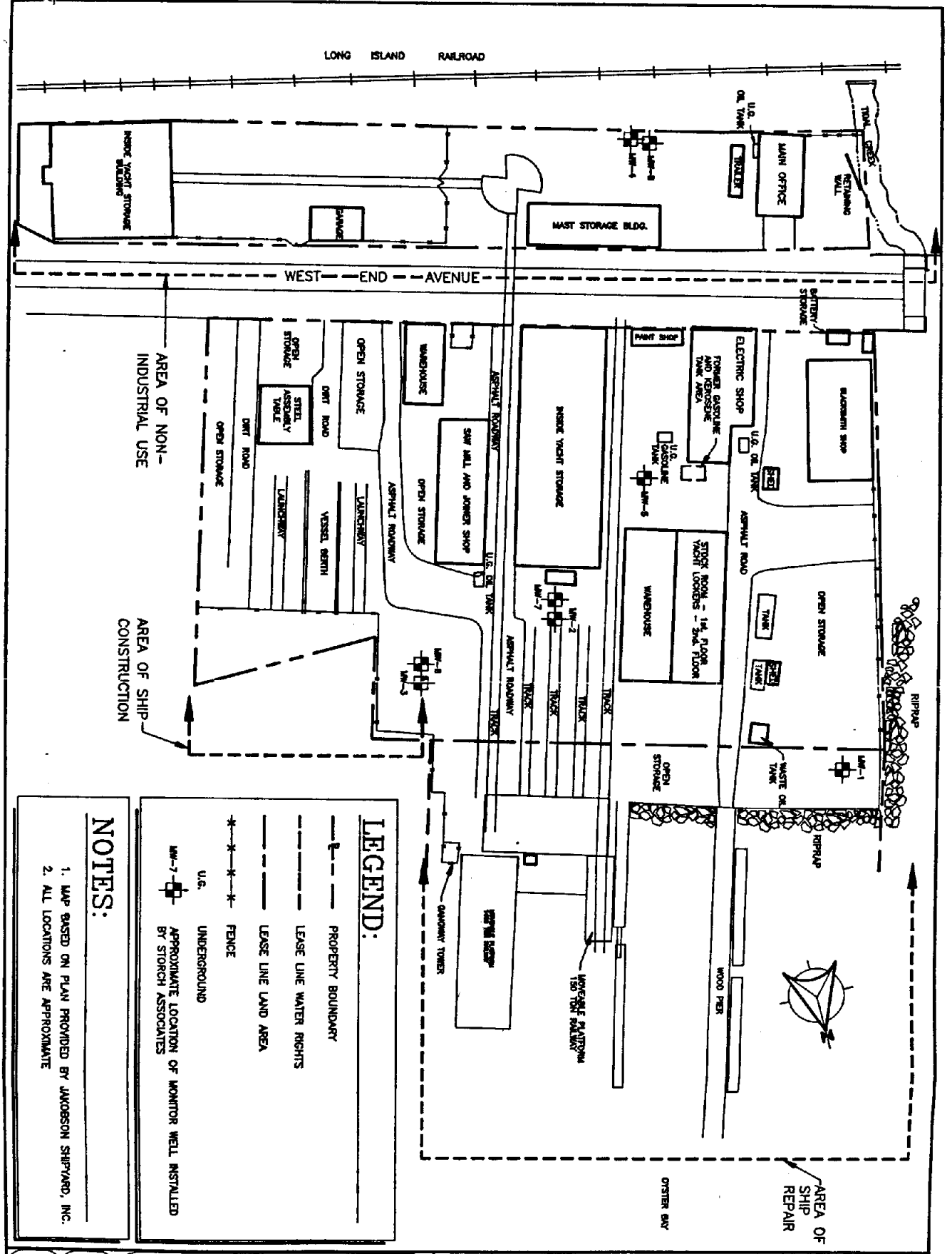
JAKOBSON SHIPYARD
OYSTER BAY, NEW YORK

SITE LOCUS

PROJECT No.
52006.1

FIGURE No.
1

 DWG. FILE NAME: D:\



LEGEND:

- PROPERTY BOUNDARY
- LEASE LINE WATER RIGHTS
- LEASE LINE LAND AREA
- FENCE
- U.G. UNDERGROUND
- MW-7 APPROXIMATE LOCATION OF MONITOR WELL INSTALLED BY STORCH ASSOCIATES

NOTES:

1. MAP BASED ON PLAN PROVIDED BY JAKOBSON SHIPYARD, INC.
2. ALL LOCATIONS ARE APPROXIMATE

JAKOBSON SHIPYARD

OYSTER BAY, NEW YORK

GROUNDWATER MONITOR WELL LOCATION

PROJECT No. 52006.3

FIGURE No. 5

REV. No.	DESCRIPTION	BY	DATE

SCALE IN FEET
1" = 80'
0' 40' 80' 160'

DESIGNED BY: T.W.L. DRAWN BY: K.U.
CHECKED BY: C.J.K. SCALE: 1" = 80'
REVIEWED BY: K.O. DATE: DEC., 1991

GZA GeoEnvironmental, Inc.

Preliminary Assessment

Jakobson Shipyard
West End Avenue
Oyster Bay
Nassau County

[Site ID No. 130055]

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION
01 STATE: | 02 SITE NUMBER:

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER				
Jakobson Shipyard	West End Ave.				
03 CITY	04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE	08 CONG DIST
Oyster Bay	NY	11771	Nassau		
09 COORDINATES LATITUDE: 40°52'30"	LONGITUDE: 73°32'38"				

10 DIRECTIONS TO SITE (Starting from nearest public road)
Access to the site from W. Shore Rd. is north on Bayside Ave. then west on West End Ave. which passes through the shipyard in an east-west direction.

III. RESPONSIBLE PARTIES

01 OWNER (If known)	02 STREET (Business, mailing, residential)			
Thordane Land Corp.	P.O. Box 329			
03 CITY	04 STATE	05 ZIP CODE	06 TELEPHONE NUMBER	
Oyster Bay	NY	11771	(unknown	
07 OPERATOR (If known and different from owner)	08 STREET (Business, mailing, residential)			
Jakobson Shipyard	West End Ave.			
09 CITY	10 STATE	11 ZIP CODE	12 TELEPHONE NUMBER	
Oyster Bay	NY	11771	(516) 922-4500	

13 TYPE OF OWNERSHIP (Check one)
X A. PRIVATE ☐ B. FEDERAL: _____ (Agency name) ☐ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL
☐ F. OTHER: _____ (Specify) ☐ G. UNKNOWN

14 OWNER-OPERATOR NOTIFICATION ON FILE (Check all that apply)
☐ A. RCRA 3001 DATE RECEIVED: ___/___/___ (MONTH DAY YEAR) ☐ B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: ___/___/___ (MONTH DAY YEAR) ☐ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION
X YES DATE 6/24/91 (MONTH DAY YEAR)
☐ NO

BY (Check all that apply)
☐ A. EPA ☐ B. EPA CONTRACTOR X C. STATE ☐ D. OTHER CONTRACTOR
☐ E. LOCAL HEALTH OFFICIAL ☐ F. OTHER: _____ (Specify)
CONTRACTOR NAME(S): _____

02 SITE STATUS (Check one)	03 YEARS OF OPERATION		
X A. ACTIVE ☐ B. INACTIVE ☐ C. UNKNOWN	1938 (BEGINNING YEAR)	present (ENDING YEAR)	☐ UNKNOWN

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED
High concentrations of heavy metals in surface soils. Lead exceeded 5 ppm in 10 soil samples for TCLP lead. Tetrachloroethene is present in the soil by a former parts cleaner. Phenols and petroleum hydrocarbons are present in soil samples.

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION
Heavy metals in surface soils may drift to adjacent Oyster Bay Harbor. Sediment samples in the harbor show elevated concentrations of heavy metals. No direct correlation between site contamination and sediment levels has been established. Two town beaches are in close proximity to the site.

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)
☐ A. HIGH (Inspection required promptly) ☐ B. MEDIUM (Inspection required) ☐ C. LOW (Inspect on time available basis) ☐ D. NONE (No further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)		03 TELEPHONE NUMBER
Robert R. Stewart, Env. Engr I	NYSDEC/DHWR, Region 1		(516) 751-4078
04 PERSON RESPONSIBLE FOR ASSESSMENT	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NUMBER	08 DATE
Robert R. Stewart	NYSDEC	DHWR, Reg. 1	516,751-4078	9/27/91 (MONTH DAY YEAR)

EPA FORM 2070-12 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

- ☐ A. SOLID
- X B. POWDER, FINES
- ☐ C. SLUDGE
- ☐ D. OTHER _____ (Specify)
- ☐ E. SLURRY
- ☐ F. LIQUID
- ☐ G. GAS

02 WASTE QUANTITY AT SITE (Measures of waste quantities must be independent)

TONS unknown

CUBIC YARDS unknown

NO. OF DRUMS _____

03 WASTE CHARACTERISTICS (Check all that apply)

- X A. TOXIC
- ☐ B. CORROSIVE
- ☐ C. RADIOACTIVE
- ☐ D. PERSISTENT
- ☐ E. SOLUBLE
- ☐ F. INFECTIOUS
- ☐ G. FLAMMABLE
- ☐ H. IGNITABLE
- ☐ I. HIGHLY VOLATILE
- ☐ J. EXPLOSIVE
- ☐ K. REACTIVE
- ☐ L. INCOMPATIBLE
- ☐ M. NOT APPLICABLE

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE			
OLW	OILY WASTE	unknown		petroleum hydrocarbons in soil
SOL	SOLVENTS	unknown		tetrachloroethene in soil
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS	unknown		phenols in soil
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS	unknown		1½ acres of surface soils

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS			FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Field Investigations and Proposed Remedial Action, Jakobson Shipyard, September 1991, prepared by GZA GeoEnvironmental, Inc., Trumbull, Conn. 06611

Preliminary Assessment of the L.I. National Wildlife Refuge Complex, Environmental Contaminants Background Survey, June 1991, prepared by the U.S. Fish and Wildlife Service, Cortland, NY 13045

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION
01 STATE | 02 SITE NUMBER

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 ☐ K. DAMAGE TO FAUNA — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION (Include name(s) of species)

01 ☒ L. CONTAMINATION OF FOOD CHAIN — 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
Elevated levels of heavy metals in sediment samples from Oyster Bay Harbor may affect nearby aquatic life. No direct correlation between site contamination and sediment levels has been established.

01 ☒ M. UNSTABLE CONTAINMENT OF WASTES (Spills/runoff/standing liquids/leaking drums) — 02 ☐ OBSERVED (DATE: 6/24/91) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: unknown — 04 NARRATIVE DESCRIPTION
Sand blasting wastes containing heavy metal contamination have been discharged to the surface soils over an area estimated at 1½ acres.

01 ☒ N. DAMAGE TO OFFSITE PROPERTY — 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
Heavy metals in surface soils may drift to adjacent Oyster Bay Harbor. Sediment samples in the harbor show elevated concentrations of heavy metals. No direct correlation between site contamination and sediment levels has been established.

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

III. TOTAL POPULATION POTENTIALLY AFFECTED: unknown

IV. COMMENTS

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Preliminary Assessment of the L.I. National Wildlife Refuge Complex, Environmental Contaminants Background Survey, June 1991, prepared by the U.S. Fish and Wildlife Service, Cortland, NY 13045

CONFIDENTIAL

FIELD INVESTIGATIONS AND PROPOSED REMEDIAL ACTION JAKOBSON SHIPYARD OYSTER BAY, NEW YORK

PREPARED BY:
GZA GeoEnvironmental, Inc.
204 Spring Hill Road
Trumbull, Connecticut 06611

September, 1991
File No. 52006.1

EXECUTIVE SUMMARY

GZA GeoEnvironmental, Inc. (GZA) has completed a field investigation and prepared a remedial action plan for Jakobson Shipyard located on West End Avenue in Oyster Bay, New York. This report includes a summary of previous data compiled by Storch Associates and supplied by the client. Also discussed are GZA's soil and groundwater sampling methodology and analytical results. Lastly, a remedial action plan for impacted soil, including an estimate of volumes requiring remediation based on observed contaminant distribution, is provided. Figures delineating areas of remediation based on contaminant type are also included. The major findings of this report are:

- Limited areas of the site contain soils contaminated with lead, halogenated volatile organic compounds (VOCs), total petroleum hydrocarbons or some combination.

- Soil lead levels in some areas of the site exceed the regulatory level set by the federally mandated Resource Conservation and Recovery Act (RCRA).

- The remedial action plan was selected based upon an evaluation of appropriate remedial technologies. Figure A, provided at the end of this summary, notes areas to be remediated based on compound class. Recommended remedial options are as follows:

  - **TPH soils**, i.e., soils visibly contaminated with petroleum fuels and containing Total Petroleum Hydrocarbons (TPH).

    Recommended option: On-site soil thermal treatment.

    Rationale: These contaminants can be easily burned on site in a matter of days, and the process requires no additional permitting (covered under processor's statewide DEC permit). Contaminants are destroyed and effectively eliminated.

    Vendor: Tyree Environmental Technologies, Inc., Farmingdale, NY.

  - **RCRA regulated lead containing soils**, i.e, soils containing greater than 5.0 mg/l extractable lead using the Toxicity Characteristic Leaching Procedure (TCLP). These soils are determined to be hazardous under the Resource Conservation and Recovery Act (RCRA) of 1984, and their disposition is regulated by DEC and EPA.

    Recommended option: excavation and off-site disposal at Wayne Disposal, Inc., Belleville, Michigan, a RCRA Part B permitted facility in full compliance with applicable procedures, regulations and ordinances.

Rationale: Since lead cannot be transformed or broken down into other less hazardous substances, removing the material from the site and locating it in a properly managed landfill is the most effective option.

Vendor: Inland Waters Pollution Control of Johnston, Rhode Island.

- **Halogenated VOC soils**, i.e., soils containing halogenated volatile organic compounds (HVOCs) generated by the spillage or leakage of organic solvents, cleaners, thinners, etc.

Recommended option: In-situ soil venting.

Rationale: Soil venting allows HVOC contaminants to be removed and ultimately destroyed without excavation.

Vendor: GZA GeoEnvironmental and our affiliates will design, install, and monitor the vapor extraction system.

- Recommended Plan

Impacted Soils	Approximate Soil Tonnage	Remedial Method
Lead	840	Landfill
Halogenated VOCs	225	Soil Venting
TPH	1,900	Soil Thermal Treatment

TABLE 1

SUMMARY OF PREVIOUS ANALYTICAL RESULTS OBTAINED BY STORCH ASSOCIATES
SOILS (PARTS PER BILLION)
JAKOBSON SHIPYARD
OYSTER BAY, NEW YORK

SAMPLE DEPTH	B-1 (2')	B-6 (2')	B-10 (2')	B-11 (3.5-4')	B-12 (2')	B-16 (3')	B-18 (3')	B-20 (1')
PARAMETERS (1)								
METALS (2)								
Antimony	1700	NA	1200	1700	1500	ND	ND	ND
Arsenic	700	NA	ND	ND	4100	ND	ND	ND
Cadmium	1000	NA	ND	ND	3000	1300	1100	ND
Chromium	2700	NA	50000	9800	14000	3800	2300	6200
Copper	29000	NA	180000	55000	87000	31000	11000	58000
Lead	16200	NA	21200	105000	19800	90000	16000	83000
Zinc	103000	NA	165000	200000	240000	31000	46000	179000
Mercury	ND	NA	1910	1200	410	700	ND	370
Nickel	ND	NA	ND	26000	17000	ND	ND	ND
Beryllium	ND	NA	ND	ND	ND	ND	ND	ND
Selenium	ND	NA	ND	ND	ND	ND	ND	ND
SEMI-VOLATILES								
Phenanthrene	ND	1100	ND	ND	1600	ND	ND	ND
Fluoranthene	ND	2300	ND	ND	ND	ND	ND	ND
Pyrene	ND	2000	ND	ND	1100	ND	ND	ND
Benzo(a)anthracene	ND	1400	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	1400	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	ND	1200	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	1300	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-c,d)pyrene	ND	690	ND	ND	ND	ND	ND	480
Benzo(g,h,i)perylene	ND	640	ND	ND	ND	ND	ND	760
Napththalene	ND	ND	ND	ND	1200	ND	ND	ND
VOLATILES								
Tetrachloroethene	NA	ND	24000	ND	ND	ND	NA	220
Acetone	NA	ND	7100	ND	ND	ND	NA	ND
Benzene	NA	ND	ND	1300	ND	ND	NA	ND
Chlorobenzene	NA	ND	ND	7900	ND	ND	NA	ND
Ethylbenzene	NA	ND	ND	2000	ND	ND	NA	650
OTHER								
TPH	33000	43000	18000000	14000000	3300000	250000	NA	10000000
Pesticides/PCBs	NA	NA	NA	NA	ND	NA	NA	ND
Phenols	NA	NA	NA	NA	NA	NA	NA	NA
Maximum HNu reading (ppm)	<1	<1	120	170	50	6	<1	NA

NOTES:

(1) All results reported in parts per billion (ppb) = ug/kg
(2) Total metals analysis
NA = not analyzed
ND = not detected

TABLE 1

SUMMARY OF PREVIOUS ANALYTICAL RESULTS OBTAINED BY STORCH ASSOCIATES
SOILS (PARTS PER BILLION)
JAKOBSON SHIPYARD
OYSTER BAY, NEW YORK

SAMPLE	DB-2	DB-3	DB-4	SS-1	SS-2	SS-3	MW-1	MW-4	TS-1
DEPTH	(4')	(6')	(11')	(0-0.3')	(0-0.3')	(0-0.3')	(6')	(9')	(0-0.3')
PARAMETERS (1)									
METALS (2)									
Antimony	NA	ND	ND	ND	90000	ND	NA	NA	NA
Arsenic	NA	5000	5000	17000	15300	19000	NA	NA	NA
Cadmium	NA	ND	2200	21000	16000	14000	NA	2300	NA
Chromium	NA	14000	5600	630000	250000	720000	NA	4600	NA
Copper	NA	18300	8900	2600000	11000000	3100000	NA	9300	NA
Lead	NA	33000	12100	1600000	4900000	980000	NA	3000	NA
Zinc	NA	280000	28000	6800000	7000000	68000000	NA	35000	NA
Mercury	NA	70	350	400	380000	880	NA	350	NA
Nickel	NA	14000	ND	1200000	850000	1400000	NA	NA	NA
Beryllium	NA	ND	ND	30000	ND	34000	NA	NA	NA
Selenium	NA	ND	ND	12000	ND	ND	NA	NA	NA
SEMI-VOLATILES									
Phenanthrene	NA	ND	ND	440	ND	12000	NA	ND	NA
Fluoranthene	NA	ND	ND	470	ND	ND	NA	ND	NA
Pyrene	NA	ND	ND	740	ND	ND	NA	ND	NA
Benzo(a)anthracene	NA	ND	ND	ND	ND	ND	NA	ND	NA
Benzo(b)fluoranthene	NA	ND	ND	ND	ND	ND	NA	ND	NA
Benzo(k)fluoranthene	NA	ND	ND	ND	ND	ND	NA	ND	NA
Benzo(a)pyrene	NA	ND	ND	ND	ND	ND	NA	ND	NA
Indeno(1,2,3-c,d)pyrene	NA	ND	ND	ND	ND	ND	NA	ND	NA
Benzo(g,h,i)perylene	NA	ND	ND	ND	ND	ND	NA	ND	NA
Napththalene	NA	ND	ND	ND	ND	ND	NA	ND	NA
VOLATILES									
Tetrachloroethene	ND	ND	ND	ND	110	ND	ND	ND	NA
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	NA
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	NA
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	NA
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	NA
OTHER									
TPH	NA	NA	NA	ND	NA	47000000	ND	NA	NA
Pesticides/PCBs	NA	NA	NA	NA	NA	ND	NA	NA	ND
Phenols	NA	NA	ND	NA	3000000	NA	NA	NA	NA
Maximum HNu reading (ppm)	2	2	<1	NA	NA	NA	NA	<1	NA

NOTES:

(1) All results reported in parts per billion (ppb) = ug/kg
(2) Total metals analysis
NA = not analyzed
ND = not detected

TABLE 7

SOIL ANALYTICAL RESULTS - MARCH 1991
JAKOBSON SHIPYARD
OYSTER BAY, NEW YORK

Location	1,1-Dichloroethene[1]	Ethyl benzene[1]	Tetrachloroethene[1]	Xylenes[1]	Lead[2]	Chromium[2]	TPH
Units	ug/kg	ug/kg	ug/kg	ug/kg	mg/l	mg/l	mg/kg
S-1	ND	ND	ND	ND	ND	ND	154
S-2	ND	ND	ND	ND	1.4	1.2	NA
S-3	ND	ND	11.0	ND	0.57	ND	NA
S-4	ND	ND	ND	ND	ND	ND	247
S-5	ND	ND	750	ND	ND	ND	NA
S-6	ND	ND	ND	ND	8.0	ND	NA
S-7	ND	ND	ND	ND	ND	ND	ND
S-8	NA	NA	NA	NA	0.6	ND	45300
S-9	ND	ND	ND	ND	3.7	ND	1110
S-10[3]	730	ND	ND	ND	1.3	ND	19500
S-11	ND	ND	ND	ND	0.74	ND	NA
S-12	ND	ND	ND	ND	0.87	ND	29200
S-13	NA	NA	NA	NA	60.8	ND	NA
S-14	ND	ND	ND	ND	5.0	ND	NA
Surface 1	ND	2.0J	ND	14.0	2.4	ND	30300
Surface 2	NA	NA	NA	NA	2.0	ND	12100
Surface 3	ND	ND	ND	ND	ND	ND	134
Surface 4	ND	ND	ND	ND	ND	ND	NA
Surface 5	NA	NA	NA	NA	ND	ND	NA

NOTES:

ug/kg = micrograms/kilograms = parts per billion, ppb
mg/l = milligrams/liter = parts per million, ppm
mg/kg = milligrams/kilogram = parts per million, ppm

NA = not analyzed
ND = not detected
J = estimated value
(1) VOC analysis by Method 8240
(2) Metals analysis by TCLP (extractable metals)
(3) Due to high concentrations of non-target compounds in sample S-10 (11,800 ug/kg estimated), detection limits were 125 times higher than other samples.

TABLE 8

SOILS ANALYSES - JUNE, 1991
JAKOBSON SHIPYARD
OYSTER BAY, NEW YORK

SAMPLE LOCATION	TCLP[1] LEAD (mg/l)	TPH[2] (ppm)
S-101	15.8	590
S-102	8.6	6100
S-103	4.2	3700
S-104	34.0	1300
S-105	30.0	1100
S-106	4.7	490
S-107	30.5	1100
S-108	1.0	320
S-109	27.0	240
S-110	NA	2400
S-111	NA	1300
S-112	0.095	<10
S-113	0.185	<10
S-114	2.9	21000

Notes:

(1) Toxicity characteristic leaching procedure.
(2) Total petroleum hydrocarbons were analyzed using EPA Method 418.1.

TABLE 9

SOIL ANALYTICAL RESULTS - AUGUST, 1991
JAKOBSON SHIPYARD
OYSTER BAY, NEW YORK

SAMPLE LOCATION	TOTAL LEAD (ppm)	TCLP[1] LEAD (mg/L)
S-201	700	2.4
S-202	790	0.10
S-203	930	0.6
S-204	2,520	7.0
S-205	2,950	1.7
S-206	2,450	1.9
S-207	430	0.53
S-208	2,500	0.32

Notes:

(1) Toxicity characteristic leaching procedure.

New York State Department of Environmental Conservation
50 Wolf Road, Albany, New York 12233

Thomas C. Jorling
Commissioner

This letter was sent to the people on the attached list.

Re: Jakobson Shipyard, Site #130055

Dear :

Under provisions of the New York State Environmental Conservation Law, the Department of Environmental Conservation maintains a Registry of sites which have been used for the disposal of hazardous waste. Property located at West End Avenue in the Town of Oyster Bay and County of Nassau and designated as Tax Map Number Section 27, Lots 1, 5, 19, 23, 117 & 217 were recently added to the Registry. This notice of this recent action is being sent to you pursuant to the regulations governing the management of this program. Notice must be given to clerks of the county, the town or city (as the case may be), and (where located in one) the village, within which the site is located, and adjacent property owners.

The reason for this recent Department action is as follows:

- Hazardous waste disposal has occurred at this site. Further investigation is needed to determine environmental threat.

To help you better understand the significance of the site classification, enclosed is a brief description of each classification code and a two page summary of the subject site, as it appears in the Registry. For more information about this site or general information about the Inactive Hazardous Waste Site Remediation Program, please call **1-800-342-9296** toll free.

Attention Property Owners: If the property you own has been leased to someone else, please pass this notice on to the lessee. If you no longer own the property near the subject site, please provide this notice to the new owner and provide this office with the name and address of the new owner so that we can correct our records.

Sincerely,

Robert L. Marino
Chief
Site Control Section
Bureau of Hazardous Site Control
Division of Haz. Waste Remediation

Enclosure

bcc: w/Enc.
L. Ennist
A. Carlson

w/o Enc.
R. Marino
J. Swartwout
J. Epstein
D. Farrar

DF/srh

New York State Department of Environmental Conservation
50 Wolf Road, Albany, New York 12233

Thomas C. Jorling
Commissioner

Harold W. McConnell, Clerk
County of Nassau
County Office Building
240 Old Country Road
Mineola, New York 11501

Re: Jakobson Shipyard, Site #130055

Dear Mr. McConnell:

Under provisions of the New York State Environmental Conservation Law, the Department of Environmental Conservation maintains a Registry of sites which have been used for the disposal of hazardous waste. Property located at West End Avenue in the Town of Oyster Bay and County of Nassau and designated as Tax Map Number Section 27, Lots 1, 5, 19, 23, 117 & 217 were recently added to the Registry. This notice of this recent action is being sent to you pursuant to the regulations governing the management of this program. Notice must be given to clerks of the county, the town or city (as the case may be), and (where located in one) the village, within which the site is located, and adjacent property owners.

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Sincerely,

Robert L. Marino
Chief
Site Control Section
Bureau of Hazardous Site Control
Division of Haz. Waste Remediation

Enclosure

New York State Department of Environmental Conservation
50 Wolf Road, Albany, New York 12233

Thomas C. Jorling
Commissioner

Town of Oyster Bay
Office of the Town Clerk
54 Audrey Avenue
Oyster Bay, New York 11771

Re: Jakobson Shipyard, Site #130055

Dear Sir:

Under provisions of the New York State Environmental Conservation Law, the Department of Environmental Conservation maintains a Registry of sites which have been used for the disposal of hazardous waste. Property located at West End Avenue in the Town of Oyster Bay and County of Nassau and designated as Tax Map Number Section 27, Lots 1, 5, 19, 23, 117 & 217 were recently added to the Registry. This notice of this recent action is being sent to you pursuant to the regulations governing the management of this program. Notice must be given to clerks of the county, the town or city (as the case may be), and (where located in one) the village, within which the site is located, and adjacent property owners.

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Robert L. Marino
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Division of Haz. Waste Remediation

Enclosure