54366

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT

REGION	SITE NUMBER (to be assigned by HQ)
	NJD061845245

GENERAL INSTRUCTIONS: Complete Sections I and III through XV of this form as completely as possible. Then use the information on this form to develop a Tentative Disposition (Section II). File this form in its entirety in the regional Hazardous Waste Site File. Be sure to include all appropriate Supplemental Reports in the file. Submit a copy of the forms to: U.S. Environmental Protection Agency; Site Tracking System; Hazardous Waste Enforcement Task Force (EN-335); 401 M St., SW; Washington, DC 20460

I. SITE IDENTIFICATION

A. SITE NAME	B. STREET (or other identifier)		
NL INDUSTRIES INC	PENNS GROVE - PEDRICKTOWN RD		
C. CITY	**D. STATE**	**E. ZIP CODE**	**F. COUNTY NAME**
PEDRICKTOWN	NJ	08067	SALEM

G. SITE OPERATOR INFORMATION

1. NAME	2. TELEPHONE NUMBER
—	609 299 6000
3. STREET	**4. CITY** / **5. STATE** / **6. ZIP CODE**

H. REALTY OWNER INFORMATION (if different from operator of site)

1. NAME	2. TELEPHONE NUMBER
Block 37 / 39 / 39 Lot 2 / 17 / 21	
3. CITY	**4. STATE** / **5. ZIP CODE**

I. SITE DESCRIPTION
LEAD SMELTING OPERATION (RECLAIM LEAD FROM AUTO BATTERIES) ON-SITE LANDFILL

J. TYPE OF OWNERSHIP
☐ 1. FEDERAL ☐ 2. STATE ☐ 3. COUNTY ☐ 4. MUNICIPAL ☒ 5. PRIVATE

II. TENTATIVE DISPOSITION (complete this section last)

A. ESTIMATE DATE OF TENTATIVE DISPOSITION (mo., day, & yr.)

B. APPARENT SERIOUSNESS OF PROBLEM
☐ 1. HIGH ☐ 2. MEDIUM ☐ 3. LOW ☐ 4. NONE

C. PREPARER INFORMATION

1. NAME	2. TELEPHONE NUMBER	3. DATE (mo., day, & yr.)

III. INSPECTION INFORMATION

A. PRINCIPAL INSPECTOR INFORMATION

1. NAME	2. TITLE
DAVID ZERVAS ENVIRONMENTALSPEC.	DIVISION OF WATER RESOURCE
3. ORGANIZATION	**4. TELEPHONE NO. (area code)**
ALL INFO HEREIN CONTAINED IN OUR FILES	(609) 292-1871

B. INSPECTION PARTICIPANTS ALL INFO TAKEN FROM OUR INSPECTION FILES

1. NAME	2. ORGANIZATION	3. TELEPHONE NO.

C. SITE REPRESENTATIVES INTERVIEWED (corporate officials, workers, residents)

1. NAME	2. TITLE & TELEPHONE NO.	3. ADDRESS
STEVEN HOLT	PLANT MGR 609 299-6000	NL IND., PENNS GROVE - PEDRICKTOWN, PEDRICKTOWN, NJ

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III. INSPECTION INFORMATION (continu

D. GENERATOR INFORMATION (source site)

1. NAME	2. TELEPHONE NO.	3. ADDRESS	4. WASTE TYPE GENERATED
NL	609-394-6000	PEDRICKTOWN, NJ	FURNACE SLAG PLASTICS RUBBER

E. TRANSPORTER/HAULER INFORMATION

1. NAME	2. TELEPHONE NO.	3. ADDRESS	4. WASTE TYPE TRANSPORTE
NL	609-394-6000	PEDRICKTOWN, NJ	SOLIDS (ABOV)
HAULED TO	ON-SITE	LANDFILL	

F. IF WASTE IS PROCESSED ON SITE AND ALSO SHIPPED TO OTHER SITES, IDENTIFY OFF-SITE FACILITIES USED FOR DISPOSAL.

1. NAME	2. TELEPHONE NO.	3. ADDRESS
N/A		

G. DATE OF INSPECTION (mo., day, yr.)	H. TIME OF INSPECTION	I. ACCESS GAINED BY: (credentials must be shown in all cases)
		☐ 1. PERMISSION ☐ 2. WARRANT

J. WEATHER (describe)

IV. SAMPLING INFORMATION

A. Mark 'X' for the types of samples taken and indicate where they have been sent e.g., regional lab, other EPA lab, contractor, etc. and estimate when the results will be available.

1. SAMPLE TYPE	2. SAMPLE TAKEN (mark 'X')	3. SAMPLE SENT TO:	4. ~~DATE~~ ~~RESULTS~~ AVAILABLE
a. GROUNDWATER	X	NEW JERSEY DEPT OF HEALTH LABS	DUR FILE
b. SURFACE WATER	X	" "	DUR FILE
c. WASTE			
d. AIR	X	" MORE INFO CAN BE FOUND BASED ON AIR PROMULGATION " CONTROL	DUR FILE
e. RUNOFF Nearby Adjacent Site	X	"	DUR FILE
f. SPILL			
g. SOIL Surface Soil	X	" "	FEBRUARY, 1980 DUR FILES
h. VEGETATION			
i. OTHER (specify)			

B. FIELD MEASUREMENTS TAKEN (e.g., radioactivity, explosivity, PH, etc.)

1. TYPE	2. LOCATION OF MEASUREMENTS	3. RESULTS
NONE		

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IV. SAMPLING INFORMATION (continued)

C. PHOTOS

1. TYPE OF PHOTOS
   - [X] a. GROUND
   - [X] b. AERIAL
2. PHOTOS IN CUSTODY OF: NJDEP - DIVISION OF WATER RESOURCES

D. SITE MAPPED?

- [ ] YES. SPECIFY LOCATION OF MAPS:

E. COORDINATES

1. LATITUDE (deg.-min.-sec.): 39° 46'
2. LONGITUDE (deg.-min.-sec.): 75° 25'

V. SITE INFORMATION

A. SITE STATUS

- [X] 1. ACTIVE (These industrial or municipal sites which are being used for waste treatment, storage, or disposal on a continuing basis, even if infrequently.)
- [ ] 2. INACTIVE (These sites which no longer receive wastes.)
- [ ] 3. OTHER (specify): _____ (These sites that include such incidents like "midnight dumping" where no regular or continuing use of the site for waste disposal has occurred.)

B. IS GENERATOR ON SITE?

- [ ] 1. NO
- [X] 2. YES (specify generator's four-digit SIC Code): _____

C. AREA OF SITE (in acres): 25-30 acres

D. ARE THERE BUILDINGS ON THE SITE?

- [ ] 1. NO
- [X] 2. YES (specify): FACILITY, OFFICE, WAREHOUSE

VI. CHARACTERIZATION OF SITE ACTIVITY

Indicate the major site activity(ies) and details relating to each activity by marking 'X' in the appropriate boxes.

'X'	A. TRANSPORTER	'X'	B. STORER	'X'	C. TREATER	'X'	D. DISPOSER
	1. RAIL	X	1. PILE		1. FILTRATION	X	1. LANDFILL
	2. SHIP		2. SURFACE IMPOUNDMENT	X	2. INCINERATION		2. LANDFARM
	3. BARGE		3. DRUMS		3. VOLUME REDUCTION		3. OPEN DUMP
X	4. TRUCK		4. TANK, ABOVE GROUND		4. RECYCLING/RECOVERY		4. SURFACE IMPOUNDM
	5. PIPELINE		5. TANK, BELOW GROUND		5. CHEM./PHYS./TREATMENT		5. MIDNIGHT DUMPING
	6. OTHER (specify):		6. OTHER (specify):		6. BIOLOGICAL TREATMENT		6. INCINERATION
					7. WASTE OIL REPROCESSING		7. UNDERGROUND INJE
					8. SOLVENT RECOVERY		8. OTHER (specify):
					9. OTHER (specify): CONTAINERS; PART OF OPERATION SALVAGE		

E. SUPPLEMENTAL REPORTS: If the site falls within any of the categories listed below, Supplemental Reports must be completed. Indicate which Supplemental Reports you have filled out and attached to this form.

- [ ] 1. STORAGE
- [ ] 2. INCINERATION
- [X] 3. LANDFILL
- [ ] 4. SURFACE IMPOUNDMENT
- [ ] 5. DEEP WELL
- [ ] 6. CHEM/BIO/PHYS TREATMENT
- [ ] 7. LANDFARM
- [ ] 8. OPEN DUMP
- [ ] 9. TRANSPORTER
- [ ] 10. RECYCLER/RECLAIM

VII. WASTE RELATED INFORMATION

A. WASTE TYPE

- [ ] 1. LIQUID
- [X] 2. SOLID
- [ ] 3. SLUDGE
- [ ] 4. GAS

B. WASTE CHARACTERISTICS

- [ ] 1. CORROSIVE
- [ ] 2. IGNITABLE
- [ ] 3. RADIOACTIVE
- [ ] 4. HIGHLY VOLATILE
- [X] 5. TOXIC
- [ ] 6. REACTIVE
- [ ] 7. INERT
- [ ] 8. FLAMMABLE
- [ ] 9. OTHER (specify):

C. WASTE CATEGORIES

1. Are records of wastes available? Specify items such as manifests, inventories, etc. below.

NO

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VII. WASTE RELATED INFORMATION (Continued)

.2. Estimate the amount (specify unit of measure) of waste by category; mark 'X' to indicate which wastes are present.

a. SLUDGE	b. OIL	c. SOLVENTS	d. CHEMICALS	e. SOLIDS	f. OTHER
AMOUNT	AMOUNT	AMOUNT	AMOUNT	AMOUNT 770,000	AMOUNT
UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE cubic yards	UNIT OF MEASU
X (1) PAINT, PIGMENTS	X (1) OILY WASTES	X (1) HALOGENATED SOLVENTS	X (1) ACIDS	X (1) FLYASH	X (1) LABORAT PHARMAC
(2) METALS SLUDGES	(2) OTHER(specify):	(2) NON-HALOGNTD. SOLVENTS	(2) PICKLING LIQUORS	(2) ASBESTOS	(2) HOSPITAL
(3) POTW		(3) OTHER(specify):	(3) CAUSTICS	(3) MILLING/MINE TAILINGS	(3) RADIOAC
(4) ALUMINUM SLUDGE			(4) PESTICIDES	X (4) FERROUS SMELTING WASTES	(4) MUNICIP
(5) OTHER(specify):			(5) DYES/INKS	X (5) NON-FERROUS SMLTG. WASTES	(5) OTHER(
			(6) CYANIDE	(6) OTHER(specify): LEADER PLASTIC	
			(7) PHENOLS		
			(8) HALOGENS		
			(9) PCB		
			(10) METALS		
			(11) OTHER(specify)		

D. LIST SUBSTANCES OF GREATEST CONCERN WHICH ARE ON THE SITE (place in descending order of hazard) OUR FILE

1. SUBSTANCE	2. FORM (mark 'X') a. SOLID	b. LIQ.	c. VAPOR	3. TOXICITY (mark 'X') a. HIGH	b. MED.	c. LOW	d. NONE	4. CAS NUMBER	5. AMOUNT	6
LEAD	X			X					7.52 in surface water	/
SELENIUM	X								.96 GW	/
ARSENIC	X			X					.96 GW	/
CHROMIUM (TOTAL)	X			X					3.0	/
~~Chromium~~ CADMIUM	X			X					.72	/
COPPER	X								14.0	/

VIII. HAZARD DESCRIPTION

FIELD EVALUATION HAZARD DESCRIPTION: Place an 'X' in the box to indicate that the listed hazard exists. Describe t hazard in the space provided.

☒ A. HUMAN HEALTH HAZARDS

Health Hazards can come from contact w/ lead solids dust and gases both on-site or off-site property. Also contaminated water used for irrigation poses a potential hazard

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VIII. HAZARD DESCRIPTION (continued)

B. NON-WORKER INJURY/EXPOSURE

Potential Hazards due to lead exposure may be experienced by visitors, inspectors or neighboring facilities due to lead contained in stack emissions and gas emissions during smelting process

C. WORKER INJURY/EXPOSURE

Same as above

D. CONTAMINATION OF WATER SUPPLY

Yes, Lead, Selenium, Arsenic, Chromium (tot) Copper all found in the ground water and surface water at and around site.

All analyses are contained in NJDEP WATER RESOURCES files.

E. CONTAMINATION OF FOOD CHAIN

Since contamination has been found in surface and ground water the potential for food chain contamination does exist.

F. CONTAMINATION OF GROUND WATER

Yes, See D above

G. CONTAMINATION OF SURFACE WATER

Yes, See D above

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VIII. HAZARD DESCRIPTION (continued)

H. DAMAGE TO FLORA/FAUNA

Some dead trees observed

I. FISH KILL

None observed

J. CONTAMINATION OF AIR

Stack samples done by Air Pollution Control show emission violations for lead

K. NOTICEABLE ODORS

None detected

L. CONTAMINATION OF SOIL

Soil samples done around the site show very high lead le. especially in the smoke stack areas. Also, since groundwater has been contaminated the soils above the groundwater must also be contaminated.

M. PROPERTY DAMAGE

Potential for contamination of farm land surrounding the facility does exist due to lead particulates in air

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VIII. HAZARD DESCRIPTION (continued)

☒ N. FIRE OR EXPLOSION

N/A

☒ O. SPILLS/LEAKING CONTAINERS/RUNOFF/STANDING LIQUID

- Past spills of contaminated wastewater into marsh area documented by Division of Water Resources
- Contaminated Run-off leaving site.

☒ P. SEWER, STORM DRAIN PROBLEMS

None

☒ Q. EROSION PROBLEMS

None observed

☒ R. INADEQUATE SECURITY

No, 24hr. guard

☒ S. INCOMPATIBLE WASTES

None

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VIII. HAZARD DESCRIPTION (continued)

☒ T. MIDNIGHT DUMPING

None

☐ U. OTHER (specify):

IX. POPULATION DIRECTLY AFFECTED BY SITE within three miles

A. LOCATION OF POPULATION	B. APPROX. NO. OF PEOPLE AFFECTED	C. APPROX. NO. OF PEOPLE AFFECTED WITHIN UNIT AREA	D. APPROX. NO. OF BUILDINGS AFFECTED	E. DISTANC TO SITE (specify unit
1. IN RESIDENTIAL AREAS	2,500 - 3000	2,500 - 3000	40	3 mile
2. IN COMMERCIAL OR INDUSTRIAL AREAS ?	200	200	10	1/4 mile
3. IN PUBLICLY TRAVELLED AREAS ?				
4. PUBLIC USE AREAS (parks, schools, etc.) ?				

X. WATER AND HYDROLOGICAL DATA

A. DEPTH TO GROUNDWATER (specify unit)	B. DIRECTION OF FLOW	C. GROUNDWATER USE IN VICINITY
4 ft	Southwest	Potable, Pools, Irrigation
D. POTENTIAL YIELD OF AQUIFER	**E. DISTANCE TO DRINKING WATER SUPPLY, (specify unit of measure)**	**F. DIRECTION TO DRINKING WATER SUP**
USGS 1700 - 50 x 20 gal/hr/ft	≈ 1/4 mile - Potable well	Southwest

G. TYPE OF DRINKING WATER SUPPLY

☐ 1. NON-COMMUNITY < 15 CONNECTIONS* ☐ 2. COMMUNITY (specify town): > 15 CONNECTIONS

☐ 3. SURFACE WATER ☒ 4. WELL

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X. WATER AND HYDROLOGICAL DATA (continued)

DEL

H. LIST ALL DRINKING WATER WELLS WITHIN A 1/4 MILE RADIUS OF SITE NONE - FILES LOST

1. WELL	2. DEPTH (specify unit)	3. LOCATION (proximity to population/buildings)	4. NON-COMMUNITY (mark 'X')	5. COMMUNITY (mark

I. RECEIVING WATER

1. NAME
OLDMANS CREEK
DELAWARE RIVER

☐ 2. SEWERS ☒ 3. STREAMS/RIVERS
☐ 4. LAKES/RESERVOIRS ☐ 5. OTHER (specify):

6. SPECIFY USE AND CLASSIFICATION OF RECEIVING WATERS
AGRICULTURAL, RECREATIONAL, NAVIGATIONAL

XI. SOIL AND VEGITATION DATA

LOCATION OF SITE IS IN:

☐ A. KNOWN FAULT ZONE ☐ B. KARST ZONE ☒ C. 100 YEAR FLOOD PLAIN ☒ D. WETLAND

☐ E. A REGULATED FLOODWAY ☒ F. CRITICAL HABITAT ☒ G. RECHARGE ZONE OR SOLE SOURCE AQUIFER

XII. TYPE OF GEOLOGICAL MATERIAL OBSERVED

Mark 'X' to indicate the type(s) of geological material observed and specify where necessary, the component parts.

'X'	A. OVERBURDEN	'X'	~~B. BEDROCK (specify below)~~	'X'	C. OTHER (specify below)
X	1. SAND	X	BROWN F/C Sand / Tan M/F Sand		
X	2. CLAY		Red-Brown Sandy Clay		
	3. GRAVEL				

XIII. SOIL PERMEABILITY

☐ A. UNKNOWN ☐ B. VERY HIGH (100,000 to 1000 cm/sec.) ☐ C. HIGH (1000 to 10 cm/sec.) int the 1.e8 p (c
☐ D. MODERATE (10 to .1 cm/sec.) ☒ E. LOW (.1 to .001 cm/sec.) ☐ F. VERY LOW (.001 to .00001 cm/sec.)

G. RECHARGE AREA

☒ 1. YES ☐ 2. NO 3. COMMENTS:

H. DISCHARGE AREA

1. YES ☒ 2. NO 3. COMMENTS: ~~[illegible]~~

I. SLOPE OF SITE

1. ESTIMATE % OF SLOPE
10 ft above sea level

2. SPECIFY DIRECTION OF SLOPE, CONDITION OF SLOPE, ETC.
Northwest ~~[illegible]~~ slopes toward Delaware River

J. OTHER GEOLOGICAL DATA

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XIV. PERMIT INFORMATION

List all applicable permits held by the site and provide the related information.

A. PERMIT TYPE (e.g., RCRA, State, NPDES, etc.)	B. ISSUING AGENCY	C. PERMIT NUMBER	D. DATE ISSUED (mo., day, & yr.)	E. EXPIRATION DATE (mo., day, & yr.)	F. IN COMPLIANC (mark 'X') 1. YES	2. NO	3. K
SANITARY LANDFILL	SWA	1706 C	?	?		X	
STACKS	AIR POLLUTION		?	?		X	

XV. PAST REGULATORY OR ENFORCEMENT ACTIONS

☐ NONE ☒ YES (summarize in this space)

- On Aug 21, 1979, NJDEP - DWR, issued an Administrative Orde & Penalty Assessment against NL IND. NL has fulfilled the Order obligations but has yet paid the total penalty of $10,000. - DWR Files
- Enforcement Actions have also been taken by the Bureau of Air Pollution - DEQ over the past few years - DEQ File

NOTE: Based on the information in Sections III through XV, fill out the Tentative Disposition (Section II) informat on the first page of this form.

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