SITE INSPECTION REPORT
FOR
HEATH AND MILLIGAN COMPANY
CHICAGO, ILLINOIS
ILD980704472
F05-8702-163

PAN: IL0477SI

APRIL 17, 1987

EPA Region 5 Records Ctr.
328139

#000733*

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ecology and environment, inc.
111 WEST JACKSON BLVD., CHICAGO, ILLINOIS 60604, TEL. 312-663-9415
International Specialists in the Environment

MEMORANDUM

DATE: April 7, 1987
TO: File
FROM: Melanie Nesterenko MJN.
SUBJECT: Illinois/F05-8702-163/FIL0477SI
Chicago/Heath and Milligan
ILD980704472

Heath and Milligan Company operated as a paint plant from 1907 to 1919. It was owned and operated by NL Industries, Inc., of Hightsdale, New Jersey. Heath and Milligan Company was identified and placed on CERCLIS as a result of a "Notification of Hazardous Waste Site" (103c) filed by NL Industries in 1981. This notification was filed based on the presumption that paint waste was produced and stored at the plant, but there exists no evidence directly addressing the production, quantity, or type of waste. NL Industries has indicated their uncertainty as to the presence and conditions of the waste on the 103c notification and in a telephone conversation with Ecology and Environment/FIT on April 7, 1987.

The site is located at 787 Canal Street in Chicago, Illinois. NL Industries, Inc., sold the property in 1919. Documentation from the Cook County Building Department obtained by Ecology and Environment/FIT members shows that the Baltimore Ohio Chicago Terminal Railroad Company held the deed to the property in 1930. The City of Chicago placed a demolition lien against the property in 1972 and demolished the structures on-site. Commonwealth Edison now pays taxes on the property and could possibly hold a special warranty deed from the city for the property.

The site is located in a highly urbanized area and near heavy railroad/industrial activity. All drinking water in the area is provided

through Lake Michigan intakes, although some groundwater may occur for industrial purposes. The site is located approximately 530 feet from the South Branch of the Chicago River.

On February 26, 1987, Ecology and Environment/FIT members conducted an off-site survey of the Heath and Milligan site. Visual observations and photographs show the site to be currently a fenced permit parking lot. All the original building(s) of the plant have been demolished, although scattered remains of the foundation are present.

No information is available regarding man-made or unnatural solvents at this site. During the dates of operation (1907 to 1919), the major paint vehicle used was linseed oil and the major thinner/solvent used was turpentine. The presence of other solvents should not necessarily be ruled out, but considering the site's age their presence is unlikely. The major threat at the site is the possible existence of lead from paint pigments.

73A:6T

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POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 1 - SITE LOCATION AND INSPECTION INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IL	D980704472

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO. OR SPECIFIC LOCATION IDENTIFIER
Heath and Milligan	787 Canal St.

03 CITY	04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE	08 CONG DIST
Chicago	IL		Cook	031	IL-07

09 COORDINATES LATITUDE	LONGITUDE
87° 38' 16".N	41° 51' 07".E

10 TYPE OF OWNERSHIP (Check one): ☒ A PRIVATE ☐ B FEDERAL _____ ☐ C STATE ☐ D COUNTY ☐ E MUNICIPAL ☐ F OTHER _____ ☐ G UNKNOWN

III. INSPECTION INFORMATION

01 DATE OF INSPECTION (Month Day Year)	02 SITE STATUS	03 YEARS OF OPERATION (Beginning Year / Ending Year)
2 26 87	☐ ACTIVE ☒ INACTIVE	1907 / 1919 ___ UNKNOWN

04 AGENCY PERFORMING INSPECTION (Check all that apply): ☐ A EPA ☒ B EPA CONTRACTOR Ecology & Environment/FIT (Name of firm) ☐ C MUNICIPAL ☐ D MUNICIPAL CONTRACTOR _____ (Name of firm) ☐ E STATE ☐ F. STATE CONTRACTOR _____ (Name of firm) ☐ G OTHER _____ (Specify)

05 CHIEF INSPECTOR	06 TITLE	07 ORGANIZATION	08 TELEPHONE NO
CYNTHIA PUGH	ENVIRONMENTAL SCIENTIST	Ecology & Environment, Inc.	(312) 663-9415
09 OTHER INSPECTORS	**10 TITLE**	**11 ORGANIZATION**	**12 TELEPHONE NO**
KURT SIMS	GEOLOGIST	Ecology & Environment, Inc.	(312) 663-9415
			( )
			( )
			( )
			( )

13 SITE REPRESENTATIVES INTERVIEWED	14 TITLE	15 ADDRESS	16 TELEPHONE NO
*MR. H.G. RODMAN	ENVIRONMENTAL ENGINEER	NL INDUSTRIES, INC. HIGHTSTOWN, NJ.	(609) 443-2911
*(TELEPHONE INTERVIEW 4-6-87)			( )
			( )
			( )
			( )
			( )

17 ACCESS GAINED BY (Check one)	18 TIME OF INSPECTION	19 WEATHER CONDITIONS
N/A ☐ PERMISSION ☐ WARRANT	10:30am	SUNNY, CLEAR, ~40°F

IV. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)	03 TELEPHONE NO
RICHARD M. LANGE	ILEPA / PLPC / RPMS	(217) 792-6961

04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NO.	08 DATE (Month Day Year)
MELANIE J. NESTERENKO	—	E&E / FIT	312/663-9415	4 6 87

EPA FORM 2070-13 (7-81)

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POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
IL	D980709472

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

- ☐ A SOLID
- ☒ B POWDER, FINES
- ☐ C SLUDGE
- ☐ D SLURRY
- ☐ E LIQUID
- ☐ F GAS
- ☒ G OTHER UNKNOWN

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

TONS UNKNOWN

CUBIC YARDS

NO. OF DRUMS

03 WASTE CHARACTERISTICS (Check all that apply)

- ☒ 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	UNKNOWN	Paint Carriers (Linseed, Ect. ...)
SOL	SOLVENTS	UNKNOWN	UNKNOWN	Paint Solvents (Early)
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS	UNKNOWN	UNKNOWN	Paint Pigments (White Lead)

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

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

THE ABOVE WASTES WERE IDENTIFIED AS A RESULT OF A FILING OF A "NOTIFICATION OF HAZARDOUS WASTE SITE" (103c) IN 1981.

V. FEEDSTOCKS (See Appendix for CAS Numbers) UNKNOWN

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)

NOTIFICATION OF HAZARDOUS WASTE SITE (103c)
Ecology + Environment, Inc. / EEI FILES

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POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION
01 STATE: IL
02 SITE NUMBER: D980704972

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A. GROUNDWATER CONTAMINATION — 02 ☐ OBSERVED (DATE _____) — ☒ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 0
04 NARRATIVE DESCRIPTION

CONSIDERING THE AGE OF THE FACILITY, THE LIKELIHOOD OF CONTAMINANTS MIGRATING TO THE GROUND H_2O IS INCREASED. THERE ARE NO KNOWN USERS OF GROUND H_2O IN THE AREA. THE AQUIFER OF CONCERN CONSISTS OF CABRIAN-ORDOVICIAN SANDSTONE WHICH IS CONFINED FROM THE SHALLOW AQUIFERS. INDUSTRIAL WELLS DRAW FROM THE DEEP AQUIFER

01 ☒ B. SURFACE WATER CONTAMINATION — 02 ☐ OBSERVED (DATE _____) — ☒ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 0
04 NARRATIVE DESCRIPTION

THE SITE IS LOCATED NEAR THE SOUTH BRANCH OF THE CHICAGO RIVER AND JUST OVER A MILE WEST OF LAKE MICHIGAN. WITHIN THE 3-MILE RADIUS, BOTH ARE USED FOR RECREATION.

01 ☐ C. CONTAMINATION OF AIR — 02 ☐ OBSERVED (DATE _____) — ☐ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 0
04 NARRATIVE DESCRIPTION

NO KNOWN THREAT OF AIR CONTAMINATION

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS — 02 ☐ OBSERVED (DATE _____) — ☐ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 0
04 NARRATIVE DESCRIPTION

NO KNOWN FIRE OR EXPLOSIVE CONDITIONS.

01 ☒ E. DIRECT CONTACT — 02 ☐ OBSERVED (DATE _____) — ☒ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 40,666
04 NARRATIVE DESCRIPTION

THE SITE IS EASILY ACCESIBLE. IF THE CONTAMINANTS HAVE MIGRATED TO THE SURFACE, THEY WOULD ALSO BE EASILY ACCESIBLE. THE SITE IS CURRENTLY USED AS A PARKING LOT BY APPROXIMATELY ~150 PEOPLE.

01 ☒ F. CONTAMINATION OF SOIL — 02 ☐ OBSERVED (DATE _____) — ☒ POTENTIAL — ☐ ALLEGED
03 AREA POTENTIALLY AFFECTED (ACRES): UNKNOWN
04 NARRATIVE DESCRIPTION

THE SITE IS APPROXIMATELY 1/2 ACRE LARGE. A POTENTIAL FOR CONTAMINATION EXIST DUE TO THE UNCERTAINTY OF THE STORAGE/HANDLING/DISPOSAL OF WASTES AT THE SITE.

01 ☐ G. DRINKING WATER CONTAMINATION — 02 ☐ OBSERVED (DATE _____) — ☐ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 0
04 NARRATIVE DESCRIPTION

ALL DRINKING WATER IN THE AREA IS PROVIDED THROUGH LAKE MICHIGAN INTAKES WHICH ARE ALL LOCATED OUTSIDE OF THE SITE'S 3-MILE RADIUS.

01 ☐ H. WORKER EXPOSURE/INJURY — 02 ☐ OBSERVED (DATE _____) — ☐ POTENTIAL — ☐ ALLEGED
03 WORKERS POTENTIALLY AFFECTED: 0
04 NARRATIVE DESCRIPTION

THE SITE IS INACTIVE - CURRENTLY USED AS A PERMIT PARKING LOT.

01 ☒ I. POPULATION EXPOSURE/INJURY — 02 ☐ OBSERVED (DATE _____) — ☒ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: UNKNOWN
04 NARRATIVE DESCRIPTION

A POTENTIAL EXISTS AS THE SITE IS CURRENTLY USED AS A PARKING LOT. SEE (E) ABOVE.

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POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION
01 STATE: IL
02 SITE NUMBER: D980704472

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J DAMAGE TO FLORA — 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
NONE DOCUMENTED. SITE IS LOCATED IN HEAVILY INDUSTRIALIZED AREA; DAMAGE TO FLORA IS UNLIKELY.

01 ☐ K DAMAGE TO FAUNA — 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION (Include name(s) of species)
NONE DOCUMENTED. SITE IS LOCATED IN HEAVILY INDUSTRIALIZED AREA; DAMAGE TO FAUNA IS UNLIKELY.

01 ☐ L CONTAMINATION OF FOOD CHAIN — 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
NONE OBSERVED OR REPORTED. (SEE J + K ABOVE)

01 ☒ M UNSTABLE CONTAINMENT OF WASTES (Spills, Runoff, Standing liquids, Leaking drums) — 02 ☐ OBSERVED (DATE _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 40,466
04 NARRATIVE DESCRIPTION
A POTENTIAL EXISTS AS THE CONTAINMENT OF WASTES IS UNKNOWN.

01 ☐ N DAMAGE TO OFFSITE PROPERTY — 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
NONE DOCUMENTED OR OBSERVED.

01 ☐ O CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs — 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
NONE DOCUMENTED OR OBSERVED.

01 ☐ P ILLEGAL/UNAUTHORIZED DUMPING — 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
NONE DOCUMENTED OR OBSERVED.

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS: NONE.
THERE ARE NO OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS.

III. TOTAL POPULATION POTENTIALLY AFFECTED: 40,466

IV. COMMENTS

NONE

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

Ecology and Environment, INC. / FIT FILES.

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POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION
PART 4 - PERMIT AND DESCRIPTIVE INFORMATION

I IDENTIFICATION

01 STATE	02 SITE NUMBER
IL	D980704947

II. PERMIT INFORMATION

01 TYPE OF PERMIT ISSUED (Check all that apply)	02 PERMIT NUMBER	03 DATE ISSUED	04 EXPIRATION DATE	05 COMMENTS
☐ A NPDES				
☐ B UIC				
☐ C AIR				
☐ D RCRA				
☐ E RCRA INTERIM STATUS				
☐ F SPCC PLAN				
☐ G STATE (Specify)				
☐ H LOCAL (Specify)				
☐ I OTHER (Specify)				
☒ J NONE				

III. SITE DESCRIPTION

01 STORAGE/DISPOSAL (Check all that apply)	02 AMOUNT	03 UNIT OF MEASURE
☐ A SURFACE IMPOUNDMENT		
☐ B PILES		
☐ C DRUMS, ABOVE GROUND		
☐ D TANK, ABOVE GROUND		
☐ E TANK, BELOW GROUND		
☐ F LANDFILL		
☐ G LANDFARM		
☐ H OPEN DUMP		
☒ I OTHER UNKNOWN (Specify)		

04 TREATMENT (Check all that apply)
☐ A INCENERATION
☐ B UNDERGROUND INJECTION
☐ C CHEMICAL/PHYSICAL
☐ D BIOLOGICAL
☐ E WASTE OIL PROCESSING
☐ F SOLVENT RECOVERY
☐ G OTHER RECYCLING/RECOVERY
☒ H OTHER NONE OR UNKNOWN (Specify)

05 OTHER

☐ A BUILDINGS ON SITE

NONE

06 AREA OF SITE

1/2 acre

07 COMMENTS

THE CONTAINMENT/STORAGE/TREATMENT OF WASTE AT THE SITE IS UNCERTAIN.

IV. CONTAINMENT UNKNOWN

01 CONTAINMENT OF WASTES (Check one)

☐ A ADEQUATE, SECURE ☐ B MODERATE ☐ C INADEQUATE, POOR ☐ D INSECURE, UNSOUND, DANGEROUS

02 DESCRIPTION OF DRUMS, DIKING, LINERS, BARRIERS, ETC.

THE QUALITY OF CONTAINMENT OR IF THE WAS ANY CONTAINMENT AT ALL IS UNCERTAIN. IT IS PRESUMED THAT WASTE WAS STORED ON SITE & PROBABLY TRANSPORTED ELSEWHERE. IF INDEED THERE WAS ANY CONTAINMENT, IT WAS MOST LIKELY A SURFACE IMPOUNDMENT.

V. ACCESSIBILITY SEE COMMENTS.

01 WASTE EASILY ACCESSIBLE ☒ YES ☐ NO

02 COMMENTS THE SITE IS EASILY ACCESIBLE. IT IS NOT KNOWN IF ANY CONTAMINATION HAS MIGRATED TO THE SURFACE.

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

ECOLOGY AND ENVIRONMENT, INC./FIT FILES.

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POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 8 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IL	D980704972

II. DRINKING WATER SUPPLY

01 TYPE OF DRINKING SUPPLY (Check all applicable)

	SURFACE	WELL
COMMUNITY	A ☒	B ☐
NON-COMMUNITY	C ☒	D ☐

02 STATUS N/A

ENDANGERED	AFFECTED	MONITORED
A ☐	B ☐	C ☐
D ☐	E ☐	F. ☐

03 DISTANCE TO SITE

A 73 (mi)
B 73 (mi)

III. GROUNDWATER

01 GROUNDWATER USE IN VICINITY (Check one)

☐ A ONLY SOURCE FOR DRINKING ☐ B DRINKING (Other source(s) available) COMMERCIAL, INDUSTRIAL, IRRIGATION (No other water source(s) available) ☒ C COMMERCIAL, INDUSTRIAL, IRRIGATION (Alternate water source(s) available) ☐ D NOT USED, UNUSEABLE

02 POPULATION SERVED BY GROUND WATER 0

03 DISTANCE TO NEAREST DRINKING WATER WELL >3 (mi)

04 DEPTH TO GROUNDWATER	05 DIRECTION OF GROUNDWATER FLOW	06 DEPTH TO AQUIFER OF CONCERN	07 POTENTIAL YIELD OF AQUIFER	08 SOLE SOURCE AQUIFER
15 (ft)	VARIABLE	1900 (ft)	UNK (gpd)	☐ YES ☒ NO

09 DESCRIPTION OF WELLS (Including usage, depth, and location relative to population and buildings) THE SHALLOW GLACIAL DRIFT AND SILURIAN DOLOMITE AQUIFERS ARE NOT USED FOR DRINKING H_2O OR INDUSTRIAL PURPOSES. ALL DRINKING H_2O IS SUPPLIED THROUGH LAKE MICHIGAN INTAKES. THE AQUIFER OF CONCERN CONSISTS OF CAMBRIAN-ORDOVICIAN SANDSTONE, WHICH IS CONFINED FROM THE SHALLOW AQUIFER. INDUSTRIAL WELLS DRAW FROM THE DEEP AQUIFER.

10 RECHARGE AREA		11 DISCHARGE AREA	
☒ YES ☐ NO	COMMENTS REGIONALLY, THE CAMBRIAN-ORDOVICIAN AQUIFER RECHARGES WESTWARD AS IT RISES TO THE SURFACE.	☒ YES ☐ NO	COMMENTS REGIONALLY, GROUND H_2O DISCHARGES INTO LAKE MICHIGAN.

IV. SURFACE WATER

01 SURFACE WATER USE (Check one)

☒ A RESERVOIR, RECREATION DRINKING WATER SOURCE ☐ B IRRIGATION, ECONOMICALLY IMPORTANT RESOURCES ☐ C COMMERCIAL, INDUSTRIAL ☐ D NOT CURRENTLY USED

02 AFFECTED/POTENTIALLY AFFECTED BODIES OF WATER

NAME	AFFECTED	DISTANCE TO SITE
SOUTH BRANCH OF THE CHICAGO RIVER	☐	530 Ft (mi)
LAKE MICHIGAN	☐	1.1 (mi)
	☐	(mi)

V. DEMOGRAPHIC AND PROPERTY INFORMATION

01 TOTAL POPULATION WITHIN

ONE (1) MILE OF SITE	TWO (2) MILES OF SITE	THREE (3) MILES OF SITE
A 90,966 NO OF PERSONS	B 137,583 NO OF PERSONS	C 291,351 NO OF PERSONS

02 DISTANCE TO NEAREST POPULATION ADJACENT (mi)

03 NUMBER OF BUILDINGS WITHIN TWO (2) MILES OF SITE 36,206

04 DISTANCE TO NEAREST OFF-SITE BUILDING Adjacent (mi)

05 POPULATION WITHIN VICINITY OF SITE (Provide narrative description of nature of population within vicinity of site, e.g. rural, village, densely populated urban area)

THE SITE IS LOCATED IN A DENSELY POPULATED URBAN AND INDUSTRIAL AREA. THE VICINITY OF THE SITE INCLUDES MOST OF THE CHICAGO LOOP AND THE SOUTHERN INDUSTRIAL AREA OF THE CITY.

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POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IL	D980709472

VI. ENVIRONMENTAL INFORMATION

01 PERMEABILITY OF UNSATURATED ZONE (Check one)

☐ A 10^{-6} - 10^{-8} cm/sec ☐ B 10^{-4} - 10^{-6} cm/sec ☐ C 10^{-4} - 10^{-3} cm/sec ☒ D GREATER THAN 10^{-3} cm/sec

02 PERMEABILITY OF BEDROCK (Check one)

☒ A IMPERMEABLE (less than 10^{-6} cm/sec) ☐ B RELATIVELY IMPERMEABLE (10^{-4} - 10^{-6} cm/sec) ☐ C RELATIVELY PERMEABLE (10^{-2} - 10^{-4} cm/sec) ☐ D VERY PERMEABLE (Greater than 10^{-2} cm/sec)

03 DEPTH TO BEDROCK	04 DEPTH OF CONTAMINATED SOIL ZONE	05 SOIL pH
35 (ft)	UNKNOWN (ft)	6.1 - 7.3

06 NET PRECIPITATION	07 ONE YEAR 24 HOUR RAINFALL	08 SLOPE: SITE SLOPE	DIRECTION OF SITE SLOPE	TERRAIN AVERAGE SLOPE
3.75 (in)	2.43 (in)	0 %	—	.18 %

09 FLOOD POTENTIAL

SITE IS IN UNK YEAR FLOODPLAIN

10 N/A ☐ SITE IS ON BARRIER ISLAND, COASTAL HIGH HAZARD AREA, RIVERINE FLOODWAY

11 DISTANCE TO WETLANDS (5 acre minimum)

ESTUARINE: A 73 (mi) OTHER: B 73 (mi)

12 DISTANCE TO CRITICAL HABITAT (of endangered species)

73 (mi)

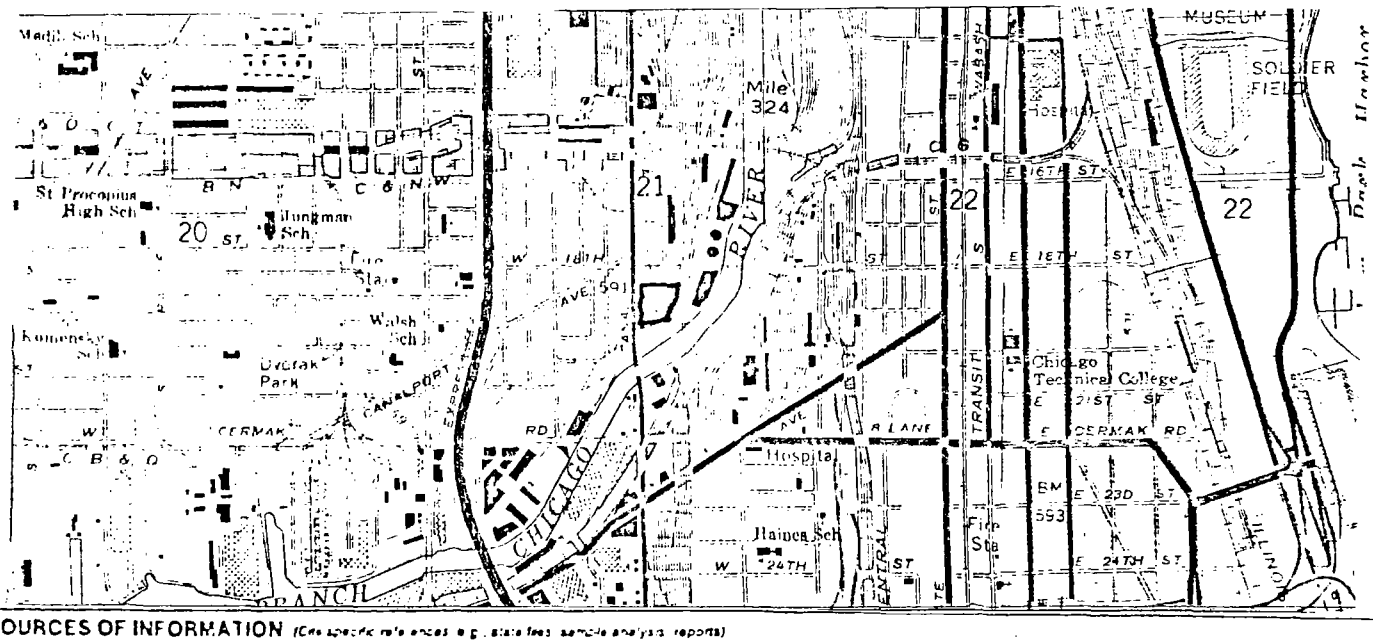
ENDANGERED SPECIES NONE

13 LAND USE IN VICINITY

DISTANCE TO

COMMERCIAL/INDUSTRIAL	RESIDENTIAL AREAS, NATIONAL/STATE PARKS, FORESTS, OR WILDLIFE RESERVES	AGRICULTURAL LANDS: PRIME AG LAND	AGRICULTURAL LANDS: AG LAND
A ADJACENT (mi)	B 0 - 1 (mi)	C 73 (mi)	D 73 (mi)

14 DESCRIPTION OF SITE IN RELATION TO SURROUNDING TOPOGRAPHY



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

- U.S.G.S Topographic Maps: 7.5 Englewood QUAD 1963, PR 1972 + 1980; 7.5 Jackson Park QUAD 1963, PR 1972.
- Winshield Survey Conducted BY E+E (FIT) MEMBERS, 4/30/86.
- U.S. FISH AND WILDLIFE, DEPT. OF THE INTERIOR.
- CLIMATIC ATLAS OF THE U.S., U.S. Dept. OF Commerce, 1979.
- Soil Survey of DuPage + PART OF Cook County, U.S DEPT. OF AGRICULTURE, 5/79.
- Summary of the Geology in the Chicago Area, IL. STATE GEOLOGICAL SURVEY, 1971, pg. 78 of 99 pages.
- 1980 Illinois Census OF Population, U.S Dept. OF Commerce, Bureau OF the Census

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POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 6 - SAMPLE AND FIELD INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
IL	D980709472

II. SAMPLES TAKEN NO SAMPLES TAKEN

SAMPLE TYPE	01 NUMBER OF SAMPLES TAKEN	02 SAMPLES SENT TO	03 ESTIMATED DATE RESULTS AVAILABLE
GROUNDWATER			
SURFACE WATER			
WASTE			
AIR			
RUNOFF			
SPILL			
SOIL			
VEGETATION			
OTHER			

III. FIELD MEASUREMENTS TAKEN No FIELD MEASUREMENTS TAKEN

01 TYPE	02 COMMENTS

IV. PHOTOGRAPHS AND MAPS

01 TYPE ☒ GROUND ☐ AERIAL

02 IN CUSTODY OF Ecology and Environment, INC.
(Name of organization or individual)

03 MAPS ☒ YES ☐ NO

04 LOCATION OF MAPS Ecology and Environment, INC. / FIT FILES

V. OTHER FIELD DATA COLLECTED (Provide narrative description) NONE.

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

Ecology and Environment, INC. / FIT FILES.

EPA FORM 2070-13 (7-81)

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POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 7 - OWNER INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
IL	D980704972

II. CURRENT OWNER(S)

01 NAME	02 D+B NUMBER	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	05 CITY	06 STATE	07 ZIP CODE
* COMMONWEALTH EDISON		72 W. ADAMS ST.		CHICAGO	IL	60603

PARENT COMPANY (If applicable)

08 NAME	09 D+B NUMBER	10 STREET ADDRESS (P.O. Box, RFD #, etc.)	11 SIC CODE	12 CITY	13 STATE	14 ZIP CODE

III. PREVIOUS OWNER(S) (List most recent first.)

01 NAME	02 D+B NUMBER	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	05 CITY	06 STATE	07 ZIP CODE
BALTIMORE & OHIO CHICAGO TERMINAL R.R. Co.		UNKNOWN		CHICAGO	IL	
N.L INDUSTRIES, INC.				HIGHTSDALE	NJ	

IV. REALTY OWNER(S) (If applicable; list most recent first.)

01 NAME	02 D+B NUMBER	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	05 CITY	06 STATE	07 ZIP CODE

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

ECOLOGY & ENVIRONMENT, INC. / FIT FILES.

EPA FORM 2070-13 (7-81)

* There is no deed to the property for Commonwealth Edison, but the company pays taxes on the property and may hold a special warranty deed from the city.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 8 - OPERATOR INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
IL	D980704472

II. CURRENT OPERATOR (Provide if different from owner)				OPERATOR'S PARENT COMPANY (If applicable)			
01 NAME		02 D+B NUMBER		10 NAME		11 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		12 STREET ADDRESS (P.O. Box, RFD #, etc.)		13 SIC CODE	
05 CITY	06 STATE	07 ZIP CODE		14 CITY	15 STATE	16 ZIP CODE	
08 YEARS OF OPERATION	09 NAME OF OWNER						

III. PREVIOUS OPERATOR(S) (List most recent first; provide only if different from owner)				PREVIOUS OPERATORS' PARENT COMPANIES (If applicable)			
01 NAME		02 D+B NUMBER		10 NAME		11 D+B NUMBER	
N.L INDUSTRIES, INC.							
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		12 STREET ADDRESS (P.O. Box, RFD #, etc.)		13 SIC CODE	
UNKNOWN							
05 CITY	06 STATE	07 ZIP CODE		14 CITY	15 STATE	16 ZIP CODE	
HIGHTSDALE	NJ						
08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD						
1907-1919	N.L INDUSTRIES, INC.						
01 NAME		02 D+B NUMBER		10 NAME		11 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		12 STREET ADDRESS (P.O. Box, RFD #, etc.)		13 SIC CODE	
05 CITY	06 STATE	07 ZIP CODE		14 CITY	15 STATE	16 ZIP CODE	
08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD						
01 NAME		02 D+B NUMBER		10 NAME		11 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		12 STREET ADDRESS (P.O. Box, RFD #, etc.)		13 SIC CODE	
05 CITY	06 STATE	07 ZIP CODE		14 CITY	15 STATE	16 ZIP CODE	
08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD						

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

Ecology and Environment, INC. / FIT FILES.

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 9 - GENERATOR/TRANSPORTER INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
IL	D980709472

II. ON-SITE GENERATOR

01 NAME	02 D+B NUMBER
UNKNOWN	

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

III. OFF-SITE GENERATOR(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE

IV. TRANSPORTER(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
UNKNOWN			

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE

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

Ecology and Environment, Inc. / FIT FILES.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
IL	D980904972

II. PAST RESPONSE ACTIVITIES No Past Respouse Activities

01 ☐ A. WATER SUPPLY CLOSED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION N/A

01 ☐ B. TEMPORARY WATER SUPPLY PROVIDED NA — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ C. PERMANENT WATER SUPPLY PROVIDED NA — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ D. SPILLED MATERIAL REMOVED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION NA

01 ☐ E. CONTAMINATED SOIL REMOVED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION NA

01 ☐ F. WASTE REPACKAGED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION NA

01 ☐ G. WASTE DISPOSED ELSEWHERE — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION NA

01 ☐ H. ON SITE BURIAL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION NA

01 ☐ I. IN SITU CHEMICAL TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION NA

01 ☐ J. IN SITU BIOLOGICAL TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION NA

01 ☐ K. IN SITU PHYSICAL TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION NA

01 ☐ L. ENCAPSULATION — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION NA

01 ☐ M. EMERGENCY WASTE TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION NA

01 ☐ N. CUTOFF WALLS — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION NA

01 ☐ O. EMERGENCY DIKING/SURFACE WATER DIVERSION — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION NA

01 ☐ P. CUTOFF TRENCHES/SUMP — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION NA

01 ☐ Q. SUBSURFACE CUTOFF WALL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION NA

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
IL	D980909972

II. PAST RESPONSE ACTIVITIES (Continued) NO PAST RESPONSE ACTIVITIES

01 ☐ R BARRIER WALLS CONSTRUCTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION NA

01 ☐ S CAPPING/COVERING — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION NA

01 ☐ T BULK TANKAGE REPAIRED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION NA

01 ☐ U GROUT CURTAIN CONSTRUCTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION NA

01 ☐ V BOTTOM SEALED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION NA

01 ☐ W GAS CONTROL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION NA

01 ☐ X FIRE CONTROL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION NA

01 ☐ Y LEACHATE TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION NA

01 ☐ Z AREA EVACUATED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION NA

01 ☐ 1 ACCESS TO SITE RESTRICTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION NA

01 ☐ 2 POPULATION RELOCATED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION NA

01 ☐ 3 OTHER REMEDIAL ACTIVITIES — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION NA

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

Ecology + Environment, INC. / FIT FILES.

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 11 - ENFORCEMENT INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
IL	D980909972

II. ENFORCEMENT INFORMATION NO PAST ENFORCEMENT INFO. DOCUMENTED

01 PAST REGULATORY/ENFORCEMENT ACTION ☐ YES ☒ NO

02 DESCRIPTION OF FEDERAL, STATE, LOCAL REGULATORY/ENFORCEMENT ACTION

NONE, Although THE CITY OF CHICAGO DID OBTAIN A DEMO LIEN AGAINST THE PROPERTY IN 1972 AND DEMOLISHED THE STRUCTURES ON-SITE.

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

Ecology and Environment, INC. / FIT FILES.

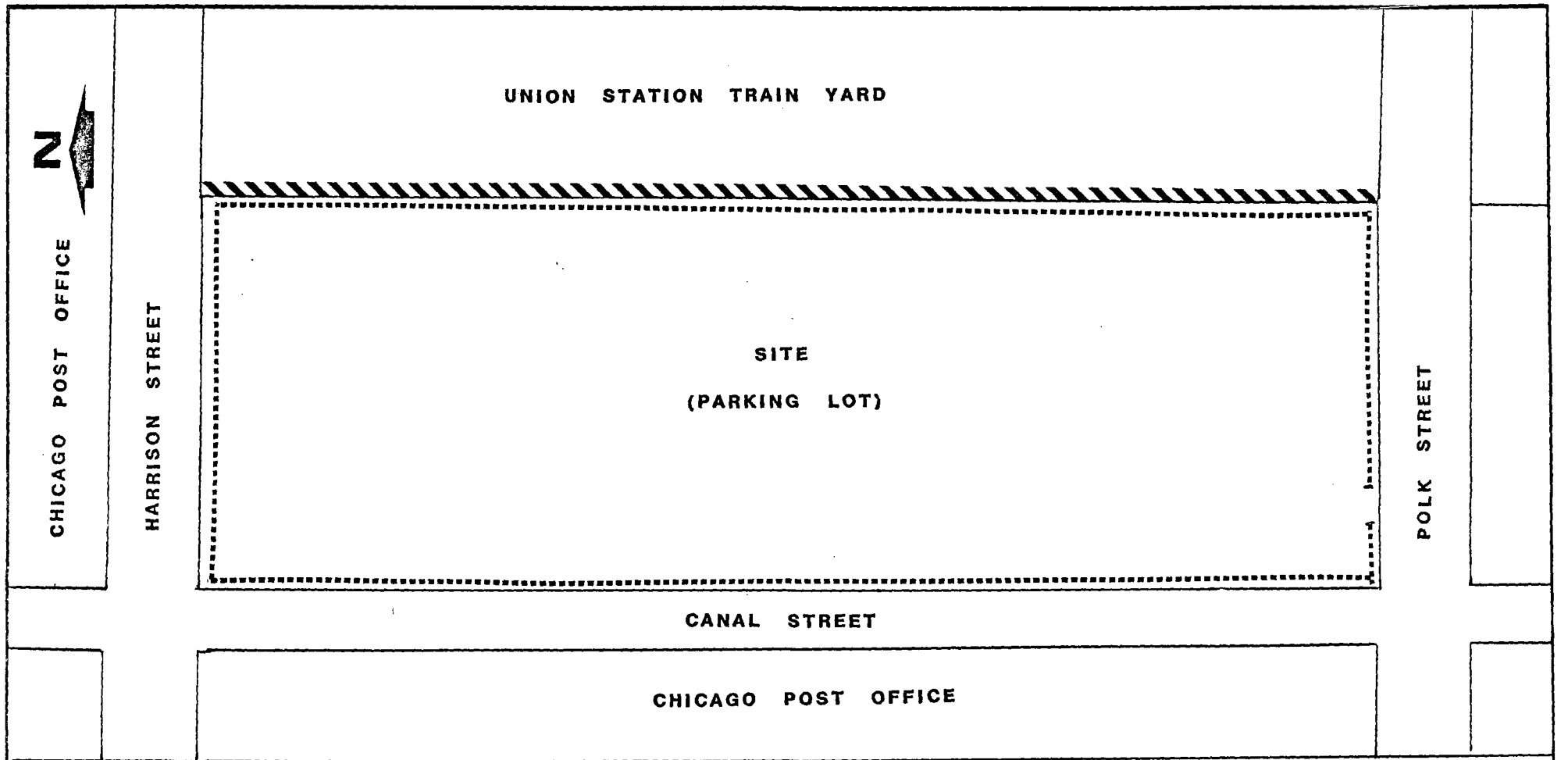
EPA FORM 2070-13 (7-81)

Immediate Removal Action Check Sheet

	High	Moderate	Low
Fire and Explosion Hazard			
Flammable Materials NA			
Explosives NA			
Incompatable Chemicals NA			
Direct Contact with Acutely Toxic Chemicals			
Site Security			X
Leaking Drums or Tanks NA			
Open Lagoons or pits NA			
Materials on Surface			X
Proximity of Population			X
Evidence of Casual Site Use			X
Contaminated Water Supply			
Exceeds 10 Day Snarl NA			
Gross Taste or Odors NA			
Alternate Water Available NA			
Potential Contamination NA			
Is the site (abandoned) or active?			

Comments

THE HEATH AND MILLIGAN SITE OPERATED AS A PAINT PLANT FROM 1907-1919. A "Notification OF HAZARDOUS WASTE SITE" (103c) WAS FILED IN 1981 ON THE PRESUMPTION THAT PAINT WASTE WAS PRODUCED AND STORED AT THE PLANT. THE AREA THAT THE PLANT WAS PREVIOUSLY LOCATED IN IS CURRENTLY USED AS A PERMIT PARKING LOT.

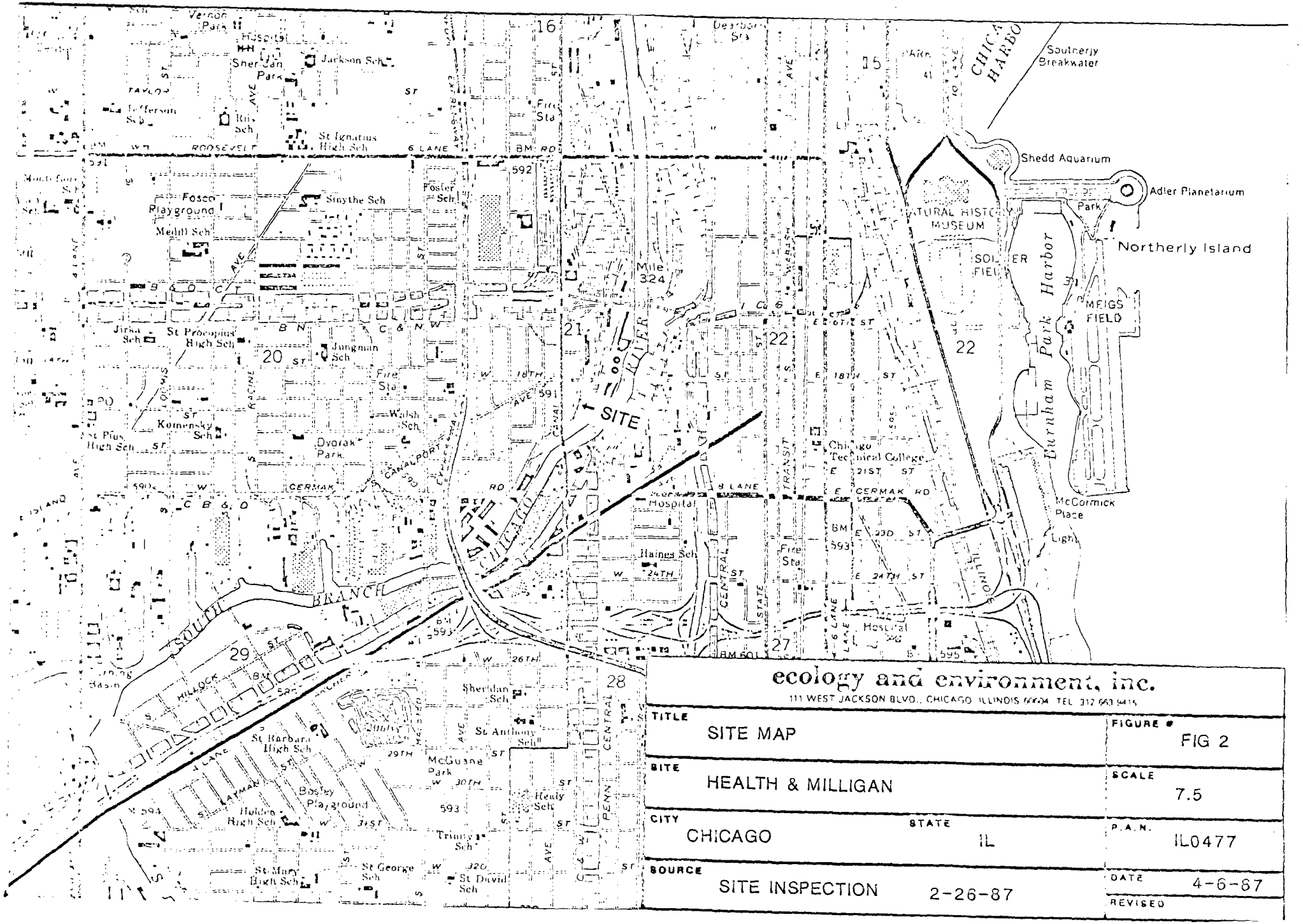


= FENCE

= LEDGE

ecology and environment, inc.
111 WEST JACKSON BLVD., CHICAGO, ILLINOIS 60604, TEL. 312-663-9415

TITLE SITE MAP	FIGURE # 1
SITE HEATH AND MILLIGAN	SCALE N.T.S.
CITY CHIGAGO STATE ILLINOIS	P.A.N. IL0477SI
SOURCE SITE INSPECTION 2-26-87	DATE 4-6-87
	REVISED



ecology and environment, inc.

111 WEST JACKSON BLVD., CHICAGO ILLINOIS 60604 TEL 312 663 9415

TITLE SITE MAP	FIGURE # FIG 2
SITE HEALTH & MILLIGAN	SCALE 7.5
CITY CHICAGO STATE IL	P.A.N. IL0477
SOURCE SITE INSPECTION 2-26-87	DATE 4-6-87
	REVISED

FIELD PHOTOGRAPHY LOG SHEET

DATE 2-26-87

TIME 10:45 (A.M.) P.M.

DIRECTION: N NNE NE ENE
E ESE SE SSE
S SSW SW (WSW)
W WNW NW NNW

WEATHER Sunny, Clear, ~40°F

SITE Heath and Milligan

TDD# F05-8702-163

PHOTOGRAPHED BY: Cynthia Pugh

SAMPLE ID# (if applicable) NA

DESCRIPTION: View of Former Loading Area (Below Fence) and Parking Lot Above

DATE 2-26-87

TIME 10:45 (A.M.) P.M.

DIRECTION: N NNE NE ENE
E ESE SE SSE
S SSW (SW) WSW
W WNW NW NNW

WEATHER Sunny, Clear, ~40°F

SITE Heath and Milligan

TDD# F05-8702-163

PHOTOGRAPHED BY: Cynthia Pugh

SAMPLE ID# (if applicable) NA

DESCRIPTION: View of Former Loading Area, Parking Lot Above, and Adjacent Train Yard - off-site

FIELD PHOTOGRAPHY LOG SHEET

DATE 2-26-87

TIME 10:40 (A.M.) P.M.

DIRECTION: N (NNE) NE ENE
E ESE SE SSE
S SSW SW WSW
W WNW NW NNW

WEATHER Sunny, Clear, ~40°sF

SITE Heath and Milligan

TDD# F05-8702-163

PHOTOGRAPHED BY: Kurt Sims

SAMPLE ID# (if applicable) NA

DESCRIPTION: Parking Lot

DATE 2-26-87

TIME 10:40 (A.M.) P.M.

DIRECTION: N (NNE) NE ENE
E ESE SE SSE
S SSW SW WSW
W WNW NW NNW

WEATHER Sunny, Clear, ~40°sF

SITE Heath and Milligan

TDD# F05-8702-163

PHOTOGRAPHED BY: Kurt Sims

SAMPLE ID# (if applicable) NA

DESCRIPTION: Parking Lot

FIELD PHOTOGRAPHY LOG SHEET

DATE 2-26-87

TIME 10:35 (A.M.) P.M.

DIRECTION: N (NNE) NE ENE
E ESE SE SSE
S SSW SW WSW
W WNW NW NNW

WEATHER Sunny, Clear, ~40°sF

SITE Heath and Milligan

TDD# F05-8702-163

PHOTOGRAPHED BY: Kurt Sims

SAMPLE ID# (if applicable) NA

DESCRIPTION: Site Area within Fence

DATE 2-26-87

TIME 10:40 (A.M.) P.M.

DIRECTION: N NNE NE ENE
E ESE SE SSE
S SSW SW WSW
W (WNW) NW NNW

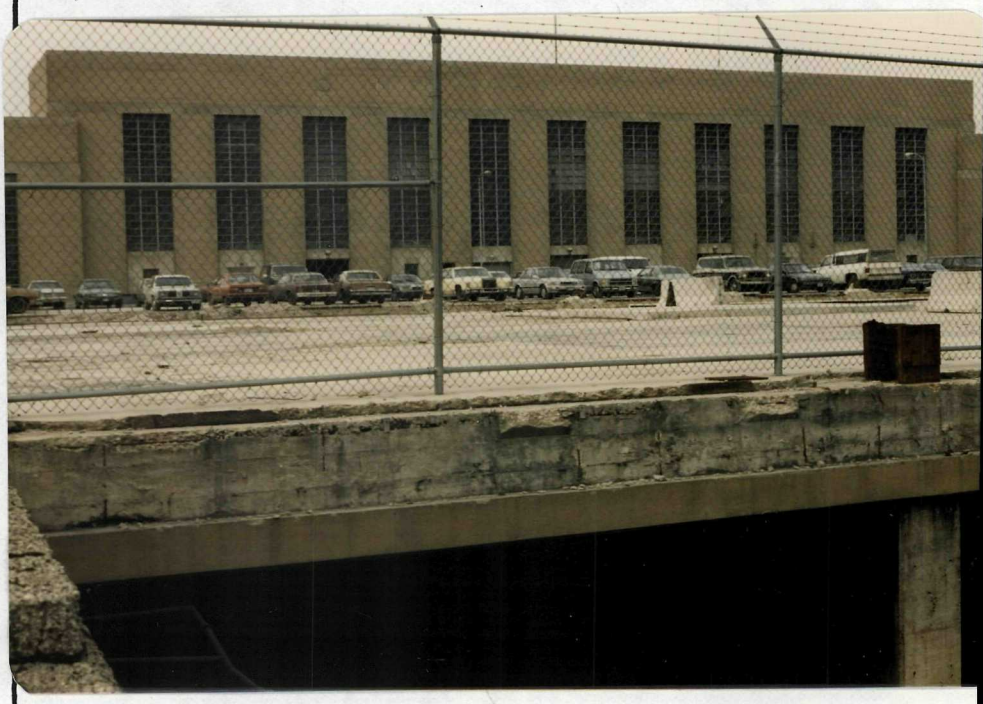
WEATHER Sunny, Clear, ~40°sF

SITE Heath and Milligan

TDD# F05-8702-163

PHOTOGRAPHED BY: Kurt Sims

SAMPLE ID# (if applicable) NA



DESCRIPTION: Site Area
- Former Railroad Loading Dock Located Below Fence

FIELD PHOTOGRAPHY LOG SHEET

DATE 2-26-87

TIME 10:35 (A.M.) P.M.

DIRECTION: (N) NNE NE ENE
E ESE SE SSE
S SSW SW WSW
W WNW NW NNW

WEATHER Sunny, Clear, ~40°SF

SITE Heath and Milligan

TDD# F05-8702-163

PHOTOGRAPHED BY: Kurt Sims

SAMPLE ID# (if applicable) NA

DESCRIPTION: Site is Located within Fence Line and Presently Consists of a Parking Lot
-Note Remaining Foundation

DATE 2-26-87

TIME 10:35 (A.M.) P.M.

DIRECTION: N NNE NE ENE
E ESE SE SSE
S SSW SW WSW
W WNW NW (NNW)

WEATHER Sunny, Clear, ~40°SF

SITE Heath and Milligan

TDD# F05-8702-163

PHOTOGRAPHED BY: Kurt Sims

SAMPLE ID# (if applicable) NA

DESCRIPTION: Site Area
-Note Gate in Foreground