

SITE INSPECTION REPORT  
FOR  
LINDEN ROAD LANDFILL  
FLINT TOWNSHIP, MICHIGAN  
MID980608582  
F05-8702-043

DECEMBER 16, 1987

2/25 -

RECEIVED  
FEB 3 1988  
WFO-Lansing District

---

**SITE INSPECTION MEMO**

**1**

---

**2070 - 13 FORM**

**2**

---

**SITE MAPS**

**3**

---

**SITE PHOTOGRAPHS**

**4**

---

---





## ecology and environment, inc.

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

International Specialists in the Environment

### M E M O R A N D U M

DATE: December 16, 1987  
TO: File  
FROM: Glenn B. Balanoff *GB*  
SUBJECT: Michigan/FO5-8702-043/FMIO489  
Flint Township/Linden Road Landfill  
MID980608582

Linden Road Landfill (LRLF) is located in Flint Township, Genesee County, Michigan (SE1/4NE1/4sec.17,T.17N.,R.6E.). General Motors (GM) purchased the property in 1931 for use as an industrial landfill. GM operated the landfill until 1960. GM submitted a United States Environmental Protection Agency (U.S. EPA) Section 103(c) form as required by the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). The site was identified by the Michigan Department of Natural Resources (MDNR) in the form of a preliminary assessment submitted to U.S. EPA.

GM bought the 40-acre site property from a residential owner in 1931. Property adjacent and to the west of the site had been owned by Mr. Oscar McGivern (deceased). McGivern had acted as a caretaker to LRLF. An aerial photograph of the site taken in 1966 revealed that access roads traversed LRLF and McGivern's property. The two points of entrance to LRLF seen in the aerial photographs were west off of Linden Road and east off of Dye Road. In the 1960s McGivern allegedly mined a shallow gravel vein on his property and possibly the GM property. McGivern had been known to collect artifacts and barrels of waste from LRLF and relocate the items to his property. McGivern's property has been listed and investigated as a separate site known as Dye Road Dump. LRLF was last used in the late 1960s.

In 1970, GM graded the site and offered the property as a donation to The Nature Conservancy. The Nature Conservancy inspected the property and declined the offer. In 1971, GM erected an 8-foot chain-linked, barbed-wire-top fence on the perimeter of the site. The only gate to the site is located on the east, or Linden Road border.

In 1979, GM hired Keck Consulting Services, Inc. (KCSI), to characterize the waste present in the landfill and the underlying groundwaters. KCSI used a back hoe to uncover 12 areas of the site, and according to a GM statement on October 1, 1982 discovered that "The fill material was large chunks of stone, bricks, and concrete varying from 3 inches to 2 feet in size. Miscellaneous debris such as paper, rags, wood, metal strips, and glass were also noted." KCSI also drilled and installed 13 monitoring wells at the site. The holes were bored with a 6-inch auger. At each hole, the auger refused further descent at 28 to 76 feet in depth. KCSI recorded the occurrence as "suspect very tight clay" and "refusal, suspect rock." KCSI did not determine what type of layer was present. Permeability tests were not performed on the clay till soils encountered during drilling.

The aquifer of concern in the area of the site is the Marshall Sandstone Formation occurring at 85 feet in depth. All the monitoring wells installed by KCSI at the site are finished in the clay till overburden. Based on water level readings in the monitoring wells, groundwater flow has been determined to be to the southeast. Groundwater flow in the Marshall Sandstone is currently undetermined. KCSI had decided to finish the wells in clay to detect contaminants before they reached the aquifer of concern. Upon first sampling of the wells, chemical analysis detected elevated levels of chlorides (70 ppm), phenols (432 ppb), arsenic (425 ppb), chromium (3.51 ppm), lead (1.79 ppm), nickel (1.98 ppm), and zinc (59 ppm). The wells have been sampled quarterly by GM of Flint, Michigan. No past emergency responses have occurred at the site.

On April 7, 1987, an Ecology & Environment, Inc., Field Investigation Team (E&E-FIT) attempted to conduct a site inspection at LRLF. Access to the site was denied by GM. An interview of site representatives was held in the lobby of General Motors Corporation (GMC) located at 300 North Chevrolet, Flint, Michigan. On the same day, E&E-FIT collected residential well samples in the vicinity of LRLF. GM did not collect residential well samples that day. The U.S. EPA-approved work plan was followed throughout the site inspection.

E&E-FIT rescheduled an on-site walk through inspection for October 1, 1987. Prior to the inspection, a written agreement regarding on-site photographs was reached between GM and U.S. EPA Region V. Essentially, E&E-FIT was allowed to shoot the photographs, but GM would retain the negatives and all photographs they felt contained confidential business information. The GM photography laboratory developed the film and found that the negatives showed no density; photographs could not be developed from the film. Another site inspection date was scheduled for November 12, 1987 to reshoot photographs. The written agreement between GM and U.S. EPA Region V was revised and E&E-FIT was allowed to shoot the photographs, keep the film, and have the film developed. GM claimed that all pictures taken on-site contained confidential business information.

E&E-FIT observed that the on-site monitoring well casings did not have locked tops and therefore the sample data did not have integrity. The site was overgrown with brush and small trees. Two holes were observed in fencing on the west side of the site. GM claims to make monthly fence inspections and repairs at the site. Cleared areas in the southwest and northwest corners of the site had piles of oily floor blocks that covered the ground surface (a floor block is a 4-inch by 4-inch by 2-inch piece of wood laid on a machine shop floor to soak up oils and reduce vibration). Piles of lathe tailings were observed near a clearing in the northwest corner of the site. E&E-FIT inspected three

trenches running east to west located in a northeast section of the site that had been detected in the aerial photographs. E&E-FIT observed that one of the trenches had been filled and graded over, one trench was empty, but overgrown, and the other was partially filled, but remained open at the west end. In the partially filled trench were rusted barrels of which the original contents are unknown. The trench contained an estimated 2 to 3 feet of green, stagnated water.

One green barrel was observed at LRLF that had black letters that read "Dow-Methylene Chloride." The same type of barrel was found on the adjacent property (the property that had been owned by McGivern), 1,500 feet southwest of the site. No samples were collected on-site.

The November 12, 1987 site inspection was interrupted by two trespassing journalists from the local Flint Journal. A GM site representative called security and had the journalists escorted off the site (the site is posted with no trespassing signs). Neither a cover or liner have been incorporated at the site. The average slope of terrain at the site is less than 1%. Land use adjacent to the site is residential and commercial. North and adjacent to the site is a professional office complex. The area in which the site is located is currently undergoing a residential expansion. Most of Flint Township receives Flint municipal water that is bought from Detroit. However, there are 10,358 people in a 3-mile radius of the site that obtain drinking water from the Marshall Sandstone aquifer. Contaminants detected in residential well samples could not be attributed to the site.

One area resident claimed his dog entered a pond located in the southeast corner of the site, was unable to move in the thick, mucky water, and drowned. The owner of the dog had been a GM waste hauler (who had delivered waste to LRLF) for 35 years. He stated that "cyanides, tetrachloride, battery acid, all sorts of other acids, nickel-plating wastes, oil, grease, and other auto manufacturing wastes were dumped there [Linden Road Landfill]." Fires have occurred at the

site and have remained smoldering for days. The Flint Township Fire Department has documented the fire incidents. Recently, the AC Spark Plug Division of General Motors has acquired all land and title responsibilities concerning the site.

After reviewing the site inspection data, it is recommended that a further hydrogeologic investigation should be performed at this facility in order to qualify the site for the National Priorities List (NPL).

43Q:0018:4





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

I. IDENTIFICATION	
01 STATE MI	02 SITE NUMBER 980608582

II. SITE NAME AND LOCATION					
01 SITE NAME (Legal, common, or descriptive name of site) LINDEN ROAD GENERAL MOTORS LANDFILL			02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER 1200 S. LINDEN ROAD		
03 CITY FLINT		04 STATE MI	05 ZIP CODE 48504	06 COUNTY GENESEE	07 COUNTY CODE 049
09 COORDINATES LATITUDE 43° 00' 40"		LONGITUDE 83° 46' 30"		10 TYPE OF OWNERSHIP (Check one) <input checked="" type="checkbox"/> A. PRIVATE <input type="checkbox"/> B. FEDERAL <input type="checkbox"/> C. STATE <input type="checkbox"/> D. COUNTY <input type="checkbox"/> E. MUNICIPAL <input type="checkbox"/> F. OTHER <input type="checkbox"/> G. UNKNOWN	

III. INSPECTION INFORMATION		
01 DATE OF INSPECTION 11, 12, 87 MONTH DAY YEAR	02 SITE STATUS <input type="checkbox"/> ACTIVE <input checked="" type="checkbox"/> INACTIVE	03 YEARS OF OPERATION 1930   1960 BEGINNING YEAR ENDING YEAR

04 AGENCY PERFORMING INSPECTION (Check all that apply) <input type="checkbox"/> A. EPA <input checked="" type="checkbox"/> B. EPA CONTRACTOR Ecology & Environment Inc. (Name of firm) <input type="checkbox"/> C. MUNICIPAL <input type="checkbox"/> D. MUNICIPAL CONTRACTOR (Name of firm) <input type="checkbox"/> E. STATE <input type="checkbox"/> F. STATE CONTRACTOR (Name of firm) <input type="checkbox"/> G. OTHER (Specify)		
---	--	--

05 CHIEF INSPECTOR GLENN B. BALANOFF	06 TITLE ENVIRONMENTAL Biologist	07 ORGANIZATION E&E INC. FIT	08 TELEPHONE NO. (312) 663-9415
09 OTHER INSPECTORS		10 TITLE	11 ORGANIZATION
JOHN NORDINE		Geologist	E&E INC. FIT
MARSHA KLOCKER		CHEMICAL ENGINEER	E&E INC. FIT
DAVE VRABLIC		EARTH SCIENTIST	E&E INC. FIT
RANDY LIVINGSTON		EARTH SCIENTIST	E&E INC. FIT
LEE ANN CISNEROS		Geologist	E&E INC. FIT

13 SITE REPRESENTATIVES INTERVIEWED JOHN R. CRAIG	14 TITLE RELIABILITY CHEMIST	15 ADDRESS GENERAL MOTORS CORP., 300 N. CHEVROLET AVE., FLINT, MI	16 TELEPHONE NO. (313) 236-3779
JOHN A. JAFFURS	ASST. SUPRIN. Mfg. Qual. Support	"	(313) 236-2292
RONALD L. NEAHUSAN	SR. ENVIRONME. ENGINEER	"	(313) 236-6588
MELVIN A. GILMER JR.	SR. ENVIRONME. ENGINEER	GENERAL MOTORS CORPORATION, 6600 E. TWELVE MILE RD., WARREN	(313) 578-3003
SUSAN D. KEISEY	SR. ENVIRONME. ENGINEER	AC SPARK PLUG OF GMC, 1300 N. DORT HWY., FLINT, MI, 48556	(313) 257-6595
JAMES WALLE	GM LEGAL STAFF	3031 WEST GRAND BLD., P.O. Box 33122, DETROIT, MI,	(313)

17 ACCESS GAINED BY (Check one) <input checked="" type="checkbox"/> PERMISSION <input type="checkbox"/> WARRANT	18 TIME OF INSPECTION 8:00 AM	19 WEATHER CONDITIONS CLEAR, 40°, SUNNY.
---	----------------------------------	---

IV. INFORMATION AVAILABLE FROM			
01 CONTACT DON JOSIF	02 OF (Agency/Organization) U.S. EPA, REGION V, 230 S. DEARBORN, CHICAGO, IL, 60604	03 TELEPHONE NO. (312) 886-0393	
04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM GLENN B. BALANOFF	05 AGENCY U.S. EPA REGION V	06 ORGANIZATION Ecology & Environment Inc.	07 TELEPHONE NO. 312-663-9415
			08 DATE 12, 16, 87 MONTH DAY YEAR



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

I. IDENTIFICATION

01 STATE *MD* 02 SITE NUMBER *980608582*

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

<p>01 PHYSICAL STATES (Check all that apply)</p> <p><input checked="" type="checkbox"/> A. SOLID <input type="checkbox"/> B. POWDER, FINES <input checked="" type="checkbox"/> C. SLUDGE <input type="checkbox"/> D. OTHER _____ (Specify)</p>	<p>02 WASTE QUANTITY AT SITE (Measures of waste quantities must be independent)</p> <p>TONS _____ CUBIC YARDS _____ NO. OF DRUMS <i>UNKNOWN</i></p>	<p>03 WASTE CHARACTERISTICS (Check all that apply)</p> <p><input checked="" type="checkbox"/> A. TOXIC <input type="checkbox"/> B. CORROSIVE <input type="checkbox"/> C. RADIOACTIVE <input checked="" type="checkbox"/> D. PERSISTENT</p> <p><input type="checkbox"/> E. SOLUBLE <input type="checkbox"/> F. INFECTIOUS <input type="checkbox"/> G. FLAMMABLE <input type="checkbox"/> H. IGNITABLE</p> <p><input type="checkbox"/> I. HIGHLY VOLATILE <input type="checkbox"/> J. EXPLOSIVE <input type="checkbox"/> K. REACTIVE <input type="checkbox"/> L. INCOMPATIBLE <input type="checkbox"/> M. NOT APPLICABLE</p>
--	---	--

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE			<i>NONE</i>
OLW	OILY WASTE			
SOL	SOLVENTS			
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS	<i>UNKNOWN</i>		
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS	<i>UNKNOWN</i>		

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
<i>OCC</i>	<i>TRANS-1,2-DICHLOROETHENE</i>	<i>156-60-5</i>	<i>SAMPLED 4-25-84</i>	<i>24</i>	<i>PPB</i>
<i>MES</i>	<i>ARSENIC</i>	<i>7440-38-2</i>	<i>SAMPLED 9-5-79</i>	<i>425</i>	<i>PPB</i>
<i>MES</i>	<i>CHROMIUM</i>	<i>7440-47-3</i>	<i>" 9-5-79</i>	<i>3.51</i>	<i>PPM</i>
<i>MES</i>	<i>LEAD</i>	<i>7439-92-1</i>	<i>" 9-5-79</i>	<i>1.79</i>	<i>PPM</i>
<i>MES</i>	<i>NICKEL</i>	<i>7440-02-2</i>	<i>" 9-5-79</i>	<i>1.98</i>	<i>PPM</i>
<i>MES</i>	<i>ZINC</i>	<i>7440-66-6</i>	<i>" 9-5-79</i>	<i>59</i>	<i>PPM</i>

*THE ABOVE LISTED CONTAMINANTS WERE DETECTED IN GROUNDWATER MONITORING WELLS SAMPLED BY GM QUARTERLY.*

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
<i>FDS</i>	<i>N/A</i>		<i>FDS</i>	<i>N/A</i>	
<i>FDS</i>			<i>FDS</i>		
<i>FDS</i>			<i>FDS</i>		
<i>FDS</i>			<i>FDS</i>		

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

*E&E SITE INSPECTION INTERVIEW  
E&E INC. FILES  
MDNR FILES*



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

I. IDENTIFICATION	
01 STATE MID	02 SITE NUMBER 980608582

**II. HAZARDOUS CONDITIONS AND INCIDENTS**

01  A. GROUNDWATER CONTAMINATION  
03 POPULATION POTENTIALLY AFFECTED: 7560      02  OBSERVED (DATE: 9-79)       POTENTIAL       ALLEGED  
04 NARRATIVE DESCRIPTION  
RESIDENTIAL WELLS SURROUNDING THE SITE WERE SAMPLED. NO DIRECT LINK OF CONTAMINANTS WERE DISCOVERED. LINDEN ROAD L.F. HAS MONITORING WELLS, FINISHED IN CLAY, THAT HAVE SHOWN AN OBSERVED RELEASE OF HEAVY METALS TO GROUND WATER. FURTHER HYDROGEOLOGIC STUDY IS NECESSARY ON THE UNCONFINED MARSHALL SANDSTONE AQUIFER.

01  B. SURFACE WATER CONTAMINATION  
03 POPULATION POTENTIALLY AFFECTED: 0      02  OBSERVED (DATE: \_\_\_\_\_)       POTENTIAL       ALLEGED  
04 NARRATIVE DESCRIPTION  
THERE IS NEITHER A SURFACE WATER BODY NOR A SURFACE WATER PATHWAY IN THE VICINITY OF THE SITE.

01  C. CONTAMINATION OF AIR  
03 POPULATION POTENTIALLY AFFECTED: 13808      02  OBSERVED (DATE: \_\_\_\_\_)       POTENTIAL       ALLEGED  
04 NARRATIVE DESCRIPTION  
NO SAMPLES WERE TAKEN OF THE AIR CONDITIONS DURING THE 1969 OIL PIT FIRE. A POTENTIAL IS HIGH FOR POLY AROMATIC HYDROCARBONS TO BE RELEASED TO OFFSITE PROPERTIES.

01  D. FIRE/EXPLOSIVE CONDITIONS  
03 POPULATION POTENTIALLY AFFECTED: 3452      02  OBSERVED (DATE: 5-69)       POTENTIAL       ALLEGED  
04 NARRATIVE DESCRIPTION  
200 GALLONS OF WATER WAS USED TO EXTINGUISH AN OIL PIT FIRE IN THE LANDFILL. FIRE DEPARTMENT SRGT. ROWLEY SAID THAT THIS FIRE WAS SMOLDERING FOR DAYS BEFORE THE STATION WAS CALLED.

01  E. DIRECT CONTACT  
03 POPULATION POTENTIALLY AFFECTED: 863      02  OBSERVED (DATE: \_\_\_\_\_)       POTENTIAL       ALLEGED  
04 NARRATIVE DESCRIPTION  
MR. JOHN CARDINAL OF 1256 LINDEN ROAD LOST A DOG IN AN ONSITE POND DURING AN ONSITE WALK BEFORE THE LAND WAS FENCED. THE DOG RAN INTO THE OIL/GREASE POND AND WAS UNABLE TO MAKE AN EXIT. A DIRECT CONTACT POTENTIAL IS HIGH BECAUSE OF INDUSTRIAL WASTES ON THE SURFACE.

01  F. CONTAMINATION OF SOIL  
03 AREA POTENTIALLY AFFECTED: 40 (Acres)      02  OBSERVED (DATE: \_\_\_\_\_)       POTENTIAL       ALLEGED  
04 NARRATIVE DESCRIPTION  
NO SOIL SAMPLES WERE TAKEN AT THE SITE. A HEAVY METAL WASTE CHARACTERISTIC WAS AVAILABLE IN ONSITE MONITORING WELLS. PRESENTLY, THERE ARE NOW VEGETATIVE/ BARE AREAS OF SOIL ONSITE.

01  G. DRINKING WATER CONTAMINATION  
03 POPULATION POTENTIALLY AFFECTED: 7560      02  OBSERVED (DATE: \_\_\_\_\_)       POTENTIAL       ALLEGED  
04 NARRATIVE DESCRIPTION  
RESIDENTIAL WELLS SURROUNDING THE SITE WERE SAMPLED. NO ONSITE CONTAMINANTS WERE FOUND IN ANY OF THE RESIDENTIAL WELLS. FURTHER HYDROGEOLOGIC STUDY IS NEEDED ON THE MARSHALL SANDSTONE AQUIFER WHERE RESIDENTIAL WELLS ARE DRAWING FROM.

01  H. WORKER EXPOSURE/INJURY  
03 WORKERS POTENTIALLY AFFECTED: 1      02  OBSERVED (DATE: \_\_\_\_\_)       POTENTIAL       ALLEGED  
04 NARRATIVE DESCRIPTION  
MR. JOHN CARDINAL USE TO HAVI PLATING WASTE TO THE SITE FROM GM. MR. CARDINAL NOW HAS CANCER WHICH HE ATTRIBUTES TO HANDLING NICKEL PLATING WASTES. NO OTHER ONSITE WORKERS HAVE BEEN CONTACTED.

01  I. POPULATION EXPOSURE/INJURY  
03 POPULATION POTENTIALLY AFFECTED: 13,808      02  OBSERVED (DATE: \_\_\_\_\_)       POTENTIAL       ALLEGED  
04 NARRATIVE DESCRIPTION  
RESIDENTS LIVING ADJACENT TO LINDEN AND DYE ROAD DUMPS FEEL THAT THEIR CHILDREN BECOME PHYSICALLY ILL AFTER PLAYING ON AND AROUND THE SITES. NO DOCUMENTED DIRECT EVIDENCE OF THIS ALLEGATION COULD BE FOUND.





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

I. IDENTIFICATION  
01 STATE: MD 02 SITE NUMBER: 990608582

II. PERMIT INFORMATION

01 TYPE OF PERMIT ISSUED <small>(Check all that apply)</small>	02 PERMIT NUMBER	03 DATE ISSUED	04 EXPIRATION DATE	05 COMMENTS
<input type="checkbox"/> A. NPDES				
<input type="checkbox"/> B. UIC				
<input type="checkbox"/> C. AIR				
<input type="checkbox"/> D. RCRA				
<input type="checkbox"/> E. RCRA INTERIM STATUS				
<input type="checkbox"/> F. SPCC PLAN				
<input checked="" type="checkbox"/> G. STATE <small>(Specify)</small>		<u>1966</u>	<u>1972</u>	THE PERMIT WAS AN ANNUAL SOLID WASTE DISPOSAL LICENSE FOR GENERAL REFUSE IN A SANITARY LANDFILL
<input type="checkbox"/> H. LOCAL <small>(Specify)</small>				
<input type="checkbox"/> I. OTHER <small>(Specify)</small>				
<input type="checkbox"/> J. NONE				

III. SITE DESCRIPTION

01 STORAGE/DISPOSAL <small>(Check all that apply)</small>	02 AMOUNT	03 UNIT OF MEASURE	04 TREATMENT <small>(Check all that apply)</small>	05 OTHER
<input type="checkbox"/> A. SURFACE IMPOUNDMENT			<input type="checkbox"/> A. INCENERATION	<input type="checkbox"/> A. BUILDINGS ON SITE <u>NONE</u>
<input checked="" type="checkbox"/> B. PILES	<u>UNKNOWN</u>		<input type="checkbox"/> B. UNDERGROUND INJECTION	
<input checked="" type="checkbox"/> C. DRUMS, ABOVE GROUND	<u>UNKNOWN</u>		<input type="checkbox"/> C. CHEMICAL/PHYSICAL	06 AREA OF SITE <u>40</u> (Acres)
<input type="checkbox"/> D. TANK, ABOVE GROUND			<input type="checkbox"/> D. BIOLOGICAL	
<input type="checkbox"/> E. TANK, BELOW GROUND			<input type="checkbox"/> E. WASTE OIL PROCESSING	
<input checked="" type="checkbox"/> F. LANDFILL	<u>UNKNOWN</u>		<input type="checkbox"/> F. SOLVENT RECOVERY	
<input type="checkbox"/> G. LANDFARM			<input type="checkbox"/> G. OTHER RECYCLING/RECOVERY	
<input type="checkbox"/> H. OPEN DUMP			<input checked="" type="checkbox"/> H. OTHER <u>NONE</u> <small>(Specify)</small>	
<input type="checkbox"/> I. OTHER <small>(Specify)</small>				

07 COMMENTS  
AERIAL PHOTOGRAPHS FROM 1966 SHOW THREE EAST - WEST TRENCHES ON THE NORTH PART OF THE SITE. ONE OF THESE TRENCHES IS STILL INTACT ON SITE. ONE IS FILLED IN AND GRADED OVER. ANOTHER WAS NEVER COMPLETELY FILLED AND IS NOW A POTENTIAL DIRECT CONTACT ROUTE.

IV. CONTAINMENT

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.

NO DIKING LINER OR BARRIER WAS USED PRIOR TO OR DURING ON SITE DISPOSAL. PRESENTLY, THE WESTERN END OF A NORTH TRENCH REMAINS OPEN TO WEATHERING. THERE IS A 30 FEET DROP FROM SURROUNDING GROUND ELEVATION. RUSTED DRUMS, MURKY WATERS, AND UNVEGETATED SOILS LIE UNCONTAINED.

V. ACCESSIBILITY

01 WASTE EASILY ACCESSIBLE:  YES  NO  
 02 COMMENTS: THERE IS A FENCE WITH LOCKED GATE SURROUNDING THE SITE. HOWEVER, UNAUTHORIZED ACCESS IS FREQUENTLY GAINED THROUGH HOLES SNIPPED IN THE WEST SIDE.

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

E & E SITE INSPECTION INTERVIEW  
E & E INC. FILES  
MDNR FILES.



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

I. IDENTIFICATION  
01 STATE: MD 02 SITE NUMBER: 980608582

II. DRINKING WATER SUPPLY

01 TYPE OF DRINKING SUPPLY (Check as applicable)		02 STATUS			03 DISTANCE TO SITE	
COMMUNITY	SURFACE A. <input checked="" type="checkbox"/>	WELL B. <input type="checkbox"/>	ENDANGERED N/A	AFFECTED C. <input type="checkbox"/>	MONITORED D. <input type="checkbox"/>	A. <u>&gt;3</u> (mi)
NON-COMMUNITY	C. <input type="checkbox"/>	D. <input checked="" type="checkbox"/>	E. <input type="checkbox"/>	F. <input checked="" type="checkbox"/>		B. <u>300</u> (m) FT.

III. GROUNDWATER

01 GROUNDWATER USE IN VICINITY (Check one)

A. ONLY SOURCE FOR DRINKING  
 B. DRINKING (Other sources available)  
COMMERCIAL, INDUSTRIAL, IRRIGATION (No other water sources available)

C. COMMERCIAL, INDUSTRIAL, IRRIGATION (Limited other sources available)  
 D. NOT USED, UNUSEABLE

02 POPULATION SERVED BY GROUND WATER: 7560

03 DISTANCE TO NEAREST DRINKING WATER WELL: 300 FT. (m)

04 DEPTH TO GROUNDWATER: 85 (ft)

05 DIRECTION OF GROUNDWATER FLOW: UNKNOWN

06 DEPTH TO AQUIFER OF CONCERN: 85 (ft)

07 POTENTIAL YIELD OF AQUIFER: UNKNOWN (gpd)

08 SOLE SOURCE AQUIFER:  YES  NO

09 DESCRIPTION OF WELLS (Including useage, depth, and location relative to population and buildings)

THE RESIDENTIAL WELLS DRAW FROM THE MARSHALL SANDSTONE AQUIFER 85 FEET BELOW THE CLAY TILL OVERBURDEN. THERE ARE NO CONFINING LAYERS BETWEEN THE DRIFT AND THE BEDROCK. THE AQUIFER IS 19 FEET BELOW THE DEEPEST DOCUMENTED ONSITE WASTE.

10 RECHARGE AREA

YES COMMENTS: THIS AREA HAS SOILS THAT ARE GOOD FOR RECHARGING THE AQUIFER

NO

11 DISCHARGE AREA

YES COMMENTS: THIS IS NOT A DISCHARGE AREA

NO

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
<u>FLINT RIVER</u>	<input type="checkbox"/>	<u>2</u> (mi)
<u>RYANT DRAIN</u>	<input type="checkbox"/>	<u>1 1/2</u> (mi)
<u>MUD CREEK</u>	<input type="checkbox"/>	<u>1 1/2</u> (mi)

V. DEMOGRAPHIC AND PROPERTY INFORMATION

01 TOTAL POPULATION WITHIN

ONE (1) MILE OF SITE: A. 863 NO. OF PERSONS

TWO (2) MILES OF SITE: B. 3452 NO. OF PERSONS

THREE (3) MILES OF SITE: C. 10,358 NO. OF PERSONS

02 DISTANCE TO NEAREST POPULATION: 300 FT. (m)

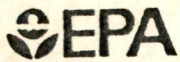
03 NUMBER OF BUILDINGS WITHIN TWO (2) MILES OF SITE: 908

04 DISTANCE TO NEAREST OFF-SITE BUILDING: 300 (m) FT.

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)

THIS AREA IS ON THE WEST BORDER OF FLINT, MI. THE HOUSES ADJACENT TO THE SITES ARE ON AT LEAST 5 ACRES, BUILT IN THE 1950'S. BEYOND THESE DWELLINGS ARE NEW SUBDIVISIONS BUILT IN THE LAST 10 YEARS. WEST OF LINDEN ROAD LANDFILL IS DYE ROAD DUMP. A FENCE SEPERATES ANY QUESTION OF OWNERSHIP. HOWEVER, THE WASTES PRESENT ON BOTH SITES ARE IDENTICAL.





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

I. IDENTIFICATION

01 STATE: MD 02 SITE NUMBER: 990608582

II. 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	①	NO SAMPLES WERE TAKEN AT THE SITE	

III. FIELD MEASUREMENTS TAKEN

01 TYPE	02 COMMENTS
OVA	NO READINGS ABOVE BACKGROUND
RAD mini	" " " "
Hcn MONTOX	" " " "
Explosimeter	" " " "
O <sub>2</sub> METER	" " " "

IV. PHOTOGRAPHS AND MAPS

01 TYPE <input checked="" type="checkbox"/> GROUND <input checked="" type="checkbox"/> AERIAL	02 IN CUSTODY OF <u>Ecology &amp; Environment Inc.</u> <small>(Name of organization or individual)</small>
03 MAPS <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	04 LOCATION OF MAPS <u>Ecology &amp; Environment Inc., REGION V, CHICAGO</u>

V. OTHER FIELD DATA COLLECTED (Provide narrative description)

PICTURES WERE TAKEN AT THE SITE.

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

E&E SITE INSPECTION INTERVIEW  
E&E INC. FILES  
MDNR FILES





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

L IDENTIFICATION

01 STATE 02 SITE NUMBER  
MI 980608582

II. CURRENT OPERATOR (Provide if different from owner)				OPERATOR'S PARENT COMPANY (if applicable)			
01 NAME N/A		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 GENERAL MOTORS CORPORATION		02 D+B NUMBER		10 NAME N/A		11 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.) 300 N. CHEVROLET AVE.			04 SIC CODE	12 STREET ADDRESS (P.O. Box, RFD #, etc.)			13 SIC CODE
05 CITY FLINT		06 STATE MI	07 ZIP CODE 48555	14 CITY		15 STATE	16 ZIP CODE
08 YEARS OF OPERATION 1930-1960		09 NAME OF OWNER DURING THIS PERIOD G.M.C.					
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)							
E&E SITE INSPECTION INTERVIEW E&E INC. FILES MDNR FILES.							



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

I. IDENTIFICATION  
01 STATE: *MI* 02 SITE NUMBER: *980603582*

II. ON-SITE GENERATOR

01 NAME <i>N/A</i>		02 D+B NUMBER	
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 <i>GENERAL MOTORS CORPORATION</i>		02 D+B NUMBER		01 NAME		02 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.) <i>300 N. CHEVROLET AVE.</i>		04 SIC CODE		03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE	
05 CITY <i>FLINT</i>	06 STATE <i>MI</i>	07 ZIP CODE <i>48555</i>		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 <i>GENERAL MOTORS CORPORATION</i>		02 D+B NUMBER		01 NAME		02 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.) <i>300 N. CHEVROLET AVE.</i>		04 SIC CODE		03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE	
05 CITY <i>FLINT</i>	06 STATE <i>MI</i>	07 ZIP CODE <i>48555</i>		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)

*E&E SITE INSPECTION INTERVIEW  
E&E INC. FILES  
MDNR FILES*



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

L IDENTIFICATION

01 STATE 02 SITE NUMBER  
MD 980608582

II. PAST RESPONSE ACTIVITIES

01 <input type="checkbox"/> A. WATER SUPPLY CLOSED 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
N/A		
01 <input type="checkbox"/> B. TEMPORARY WATER SUPPLY PROVIDED 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
N/A		
01 <input type="checkbox"/> C. PERMANENT WATER SUPPLY PROVIDED 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
N/A		
01 <input type="checkbox"/> D. SPILLED MATERIAL REMOVED 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
N/A		
01 <input type="checkbox"/> E. CONTAMINATED SOIL REMOVED 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
N/A		
01 <input type="checkbox"/> F. WASTE REPACKAGED 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
N/A		
01 <input type="checkbox"/> G. WASTE DISPOSED ELSEWHERE 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
N/A		
01 <input type="checkbox"/> H. ON SITE BURIAL 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
N/A		
01 <input type="checkbox"/> I. IN SITU CHEMICAL TREATMENT 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
N/A		
01 <input type="checkbox"/> J. IN SITU BIOLOGICAL TREATMENT 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
N/A		
01 <input type="checkbox"/> K. IN SITU PHYSICAL TREATMENT 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
N/A		
01 <input type="checkbox"/> L. ENCAPSULATION 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
N/A		
01 <input type="checkbox"/> M. EMERGENCY WASTE TREATMENT 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
N/A		
01 <input type="checkbox"/> N. CUTOFF WALLS 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
N/A		
01 <input type="checkbox"/> O. EMERGENCY DIKING/SURFACE WATER DIVERSION 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
N/A		
01 <input type="checkbox"/> P. CUTOFF TRENCHES/SUMP 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
N/A		
01 <input type="checkbox"/> Q. SUBSURFACE CUTOFF WALL 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
N/A		



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

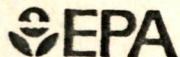
I. IDENTIFICATION  
01 STATE 02 SITE NUMBER  
MD 990608532

II PAST RESPONSE ACTIVITIES (Continued)

01 <input type="checkbox"/> R. BARRIER WALLS CONSTRUCTED 04 DESCRIPTION	N/A	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> S. CAPPING/COVERING 04 DESCRIPTION	N/A	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> T. BULK TANKAGE REPAIRED 04 DESCRIPTION	N/A	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> U. GROUT CURTAIN CONSTRUCTED 04 DESCRIPTION	N/A	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> V. BOTTOM SEALED 04 DESCRIPTION	N/A	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> W. GAS CONTROL 04 DESCRIPTION	N/A	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> X. FIRE CONTROL 04 DESCRIPTION	N/A	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> Y. LEACHATE TREATMENT 04 DESCRIPTION	N/A	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> Z. AREA EVACUATED 04 DESCRIPTION	N/A	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> 1. ACCESS TO SITE RESTRICTED 04 DESCRIPTION	N/A	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> 2. POPULATION RELOCATED 04 DESCRIPTION	N/A	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> 3. OTHER REMEDIAL ACTIVITIES 04 DESCRIPTION	NONE	02 DATE _____	03 AGENCY _____

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

E&E SITE INSPECTION INTERVIEW  
E&E INC. FILES  
MDNR FILES.



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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
MD	980608582

II. ENFORCEMENT INFORMATION

01 PAST REGULATORY/ENFORCEMENT ACTION  YES  NO

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

NO PAST REGULATORY/ENFORCEMENT ACTION OCCURRED AT THIS SITE.  
ACCESS HAD TO BE GAINED THROUGH A LEGAL AGREEMENT REACHED  
BY THE U.S. EPA, REGION IV, AND GENERAL MOTORS CORPORATION

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

E&E SITE INSPECTION INTERVIEW  
E&E INC. FILES  
MDNR FILES

Fire and Explosion Hazard

Flammable Materials \_\_\_\_\_

Explosives \_\_\_\_\_

Incompatible Chemicals \_\_\_\_\_

Direct Contact with Acutely Toxic Chemicals

Site Security Holes in Fencing

Leaking Drums or Tanks RUSTED DRUMS

Open Lagoons or pits OPEN TRENCHES

Materials on Surface UNCOVERED MATERIALS

Proximity of Population ADJACENT

Evidence of Casual Site Use YES

Contaminated Water Supply

Exceeds 10 Day Snarl N/A

Gross Taste or Odors N/A

Alternate Water Available MUNICIPAL - YES

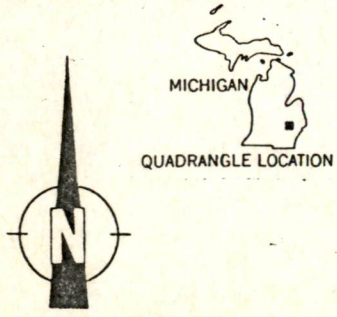
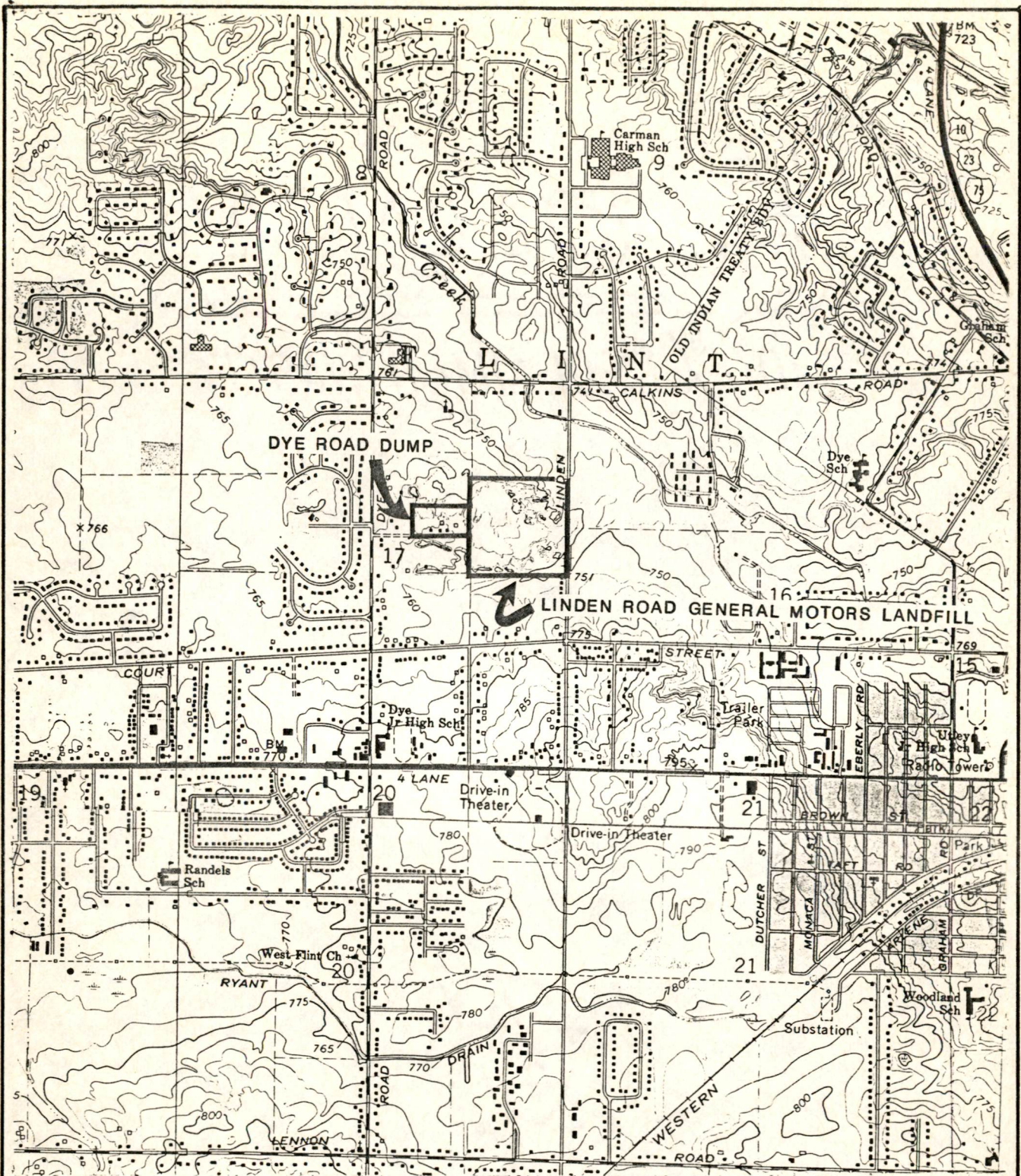
Potential Contamination TO GROUNDWATER

Is the site abandoned or active? INACTIVE.

High	Moderate	Low
		✓
		✓
		✓
	✓	
✓		
✓		
✓		
✓		
	✓	
✓		

Comments

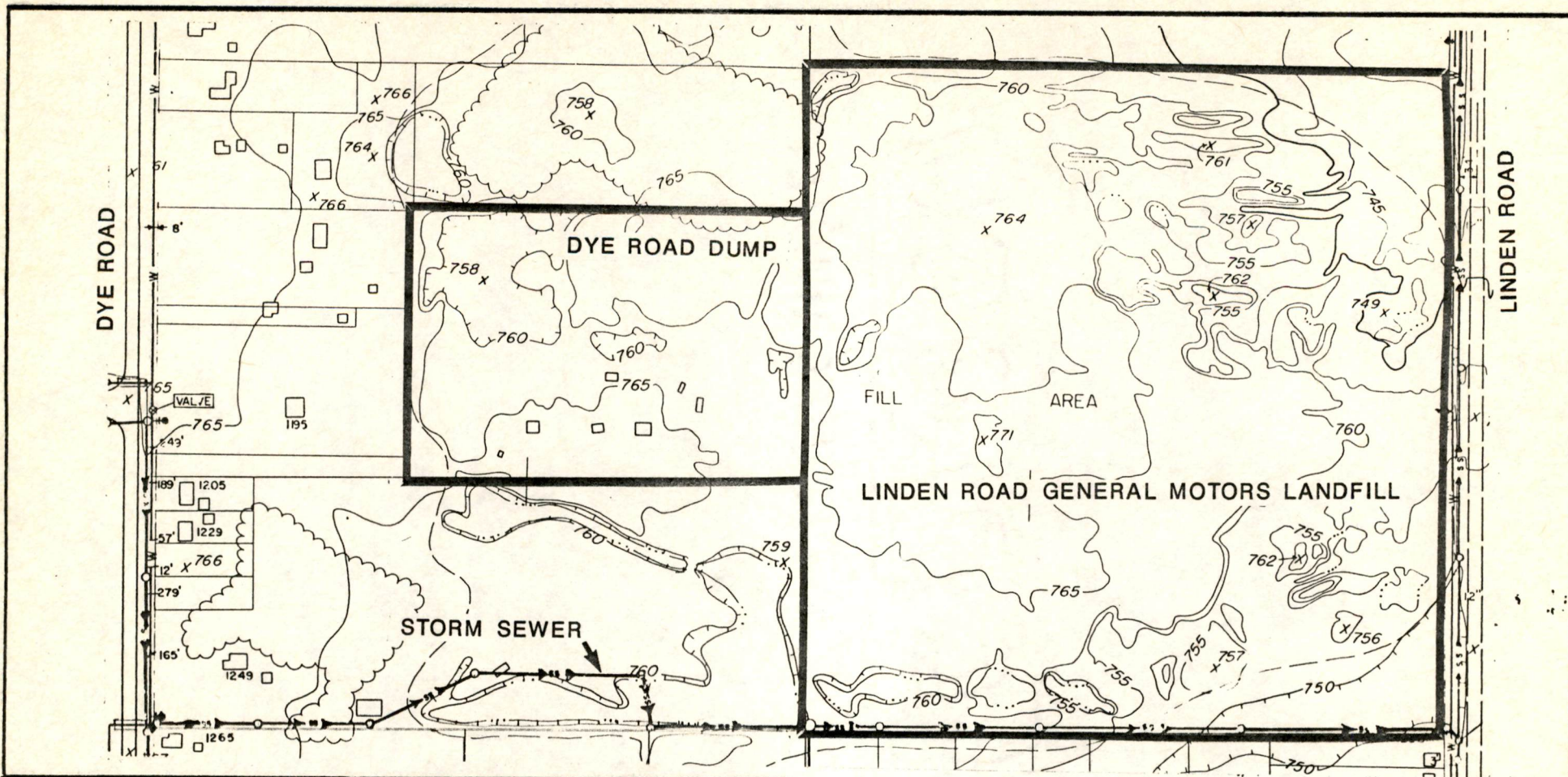




**ecology and environment, inc.**

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

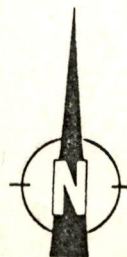
<b>TITLE</b> SITE MAP		<b>FIGURE #</b> 1
<b>SITE</b> LINDEN ROAD GENERAL MOTORS LANDFILL		<b>SCALE</b> 1:24000
<b>CITY</b> FLINT TOWNSHIP	<b>STATE</b> MI	<b>P.A.N.</b> FMIO489SA
<b>SOURCE</b> USGS 7.5 MINUTE TOPO FLUSHING QUAD.		<b>DATE</b> 1975 <b>REVISED</b> N/A

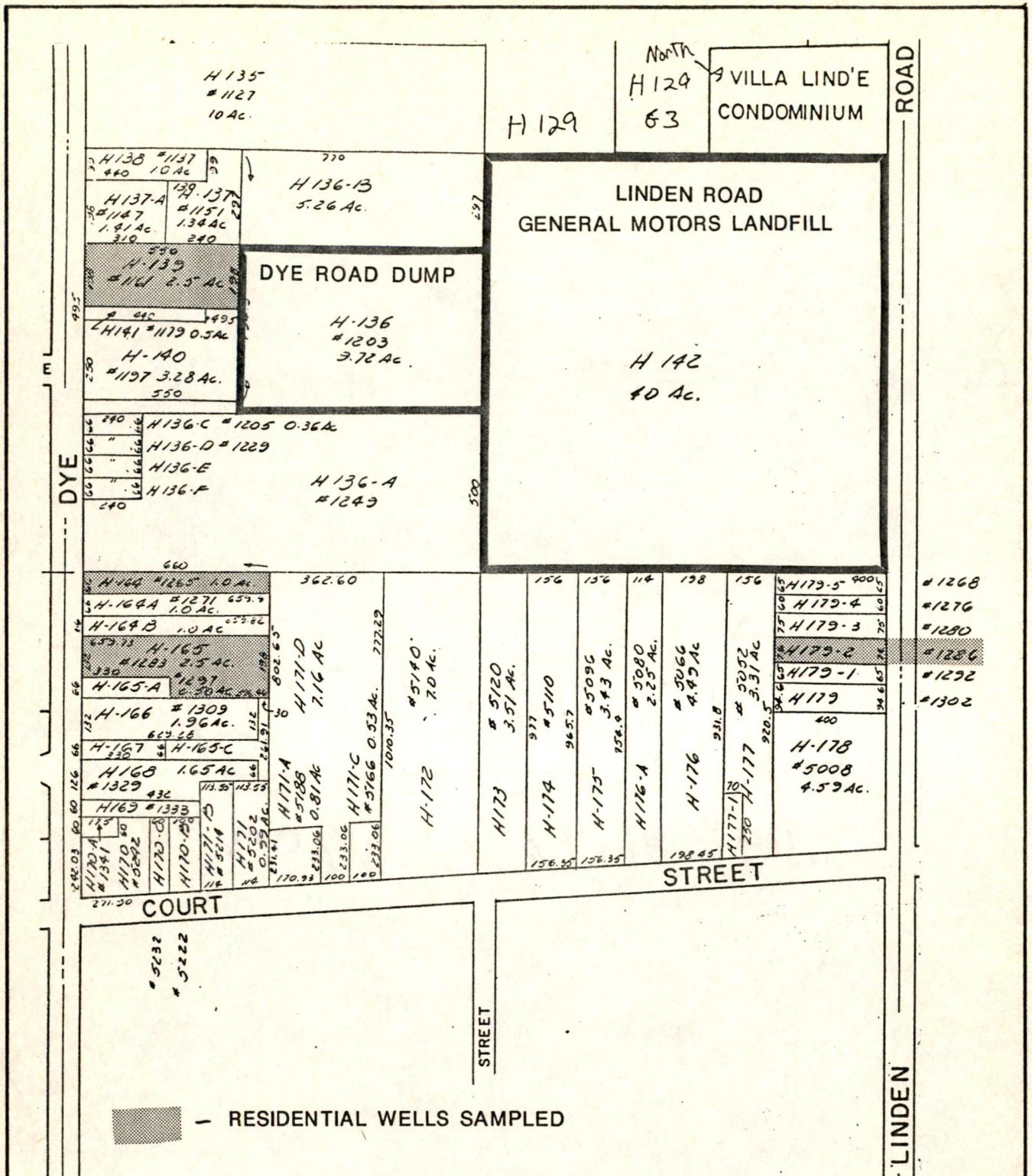


**ecology and environment, inc.**

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

<b>TITLE</b> SITE MAP		<b>FIGURE #</b> 2
<b>SITE</b> LINDEN ROAD GENERAL MOTORS LANDFILL		<b>SCALE</b> 1:3900
<b>CITY</b> FLINT TOWNSHIP	<b>STATE</b> MI	<b>P.A.N.</b> FMIO489SA
<b>SOURCE</b> GENESEE COUNTY DRAIN COMMISSION		<b>DATE</b> 1975 <b>REVISED</b> N/A

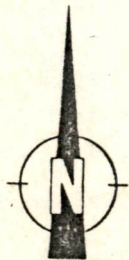


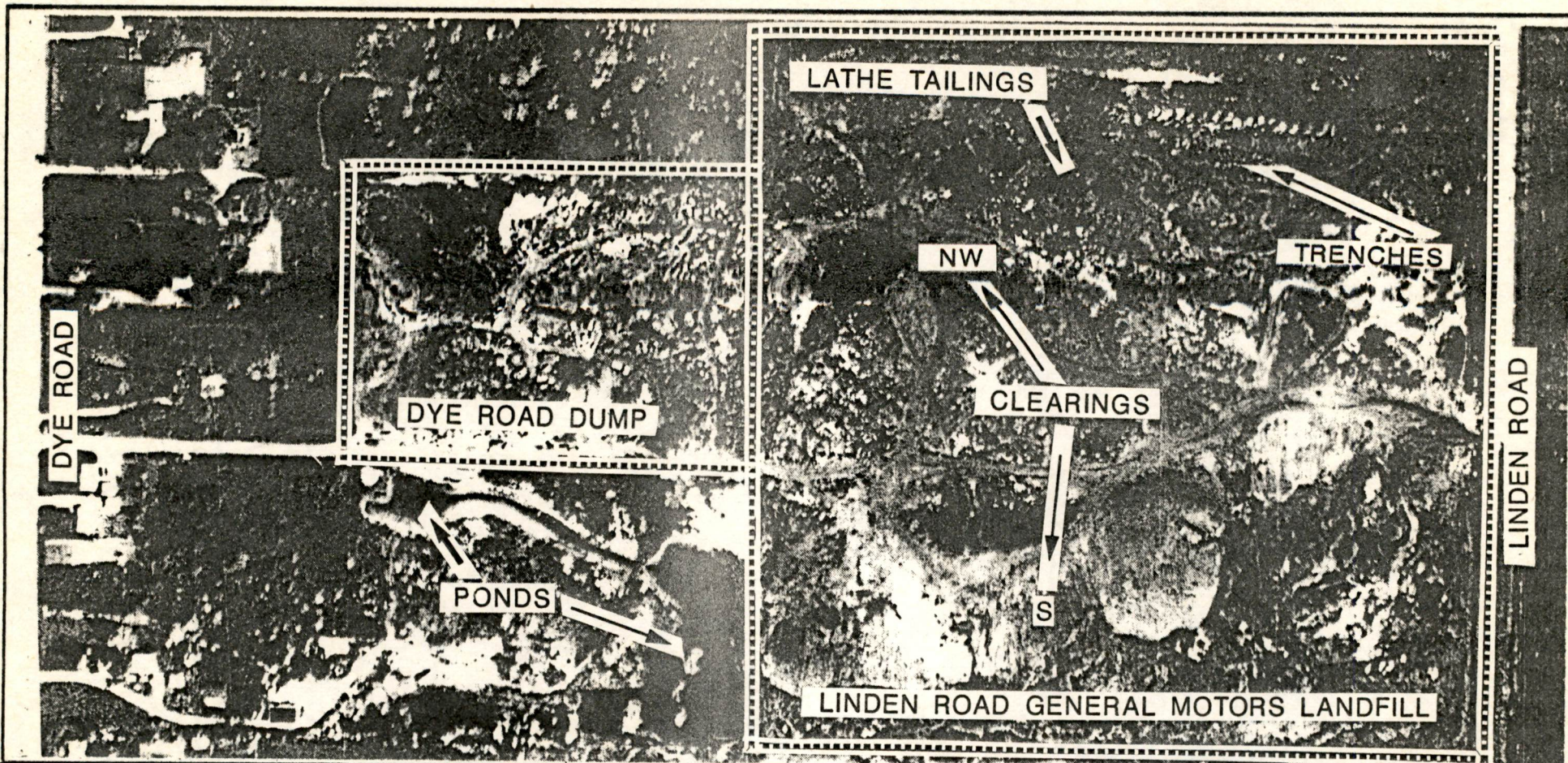


**ecology and environment, inc.**

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

TITLE SITE MAP	FIGURE # 3
SITE LINDEN ROAD GENERAL MOTORS LANDFILL	SCALE 1:5760
CITY FLINT TOWNSHIP	STATE MI
SOURCE FLINT TOWNSHIP ASSESSOR'S OFFICE	P.A.N. FMI0489SA
	DATE 1987
	REVISED N/A

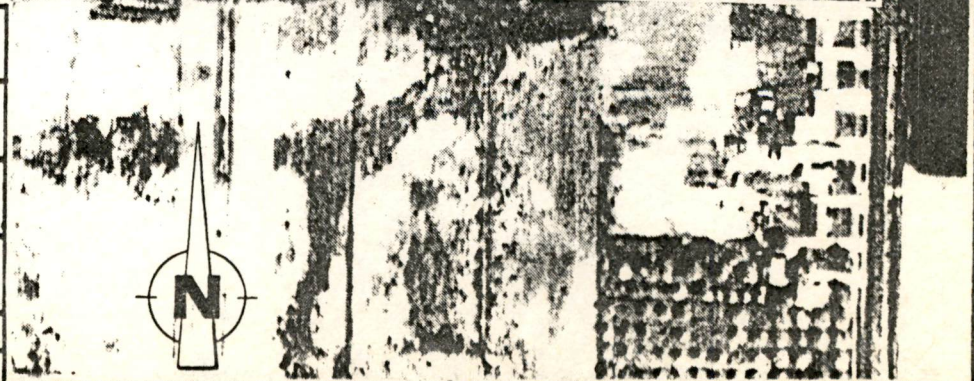


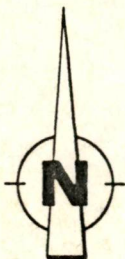
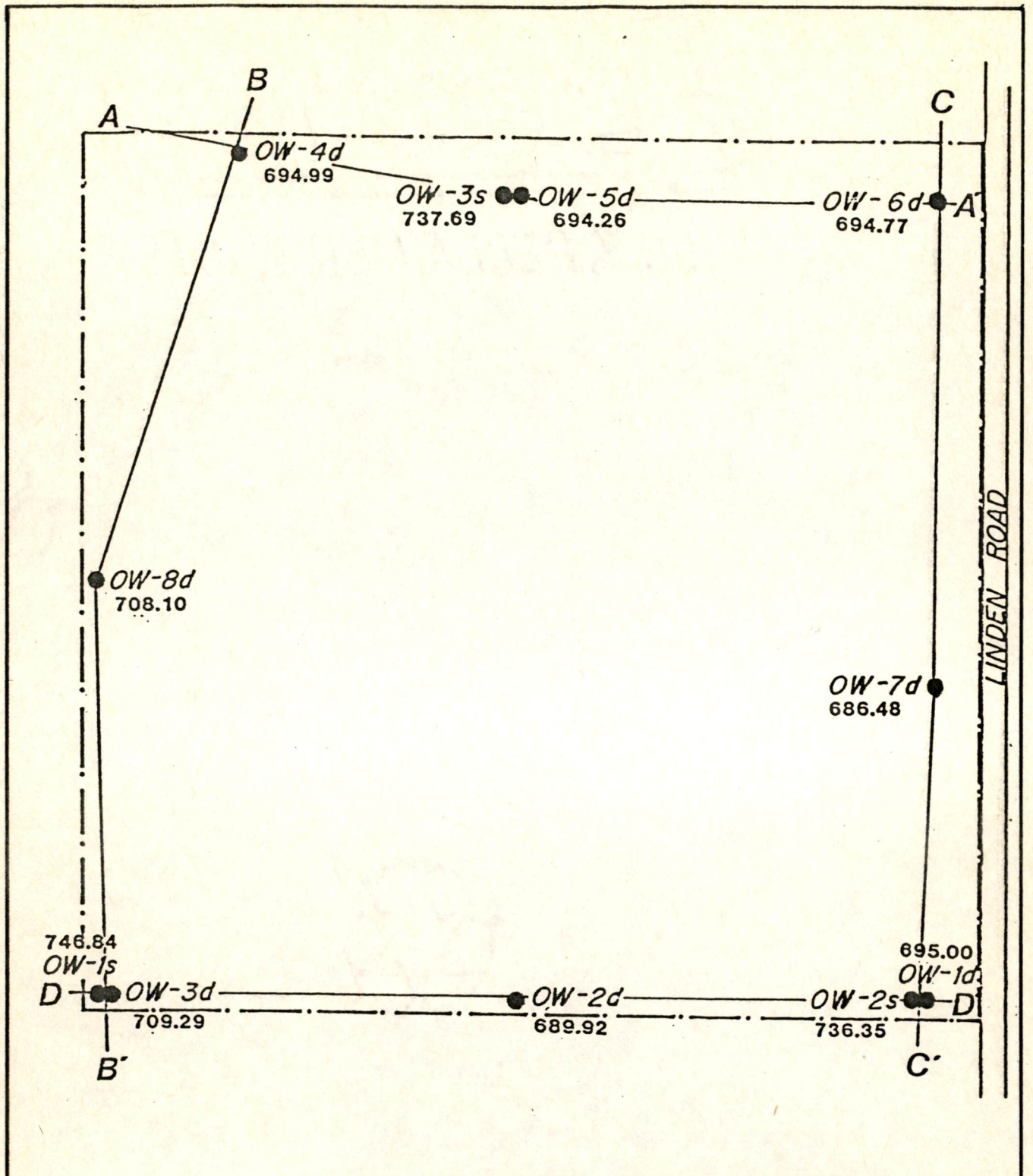


**ecology and environment, inc.**

111 WEST JACKSON BLVD., CHICAGO, ILLINOIS 60604, TEL. 312-683-9416

<b>TITLE</b> SITE MAP	<b>FIGURE #</b> 4
<b>SITE</b> LINDEN ROAD GENERAL MOTORS LANDFILL	<b>SCALE</b> 1:3520
<b>CITY</b> FLINT TOWNSHIP	<b>STATE</b> MI
<b>SOURCE</b> GENESEE COUNTY PLANNER'S OFFICE	<b>P.A.N.</b> FMI0489SA
	<b>DATE</b> 1966
	<b>REVISED</b> N/A

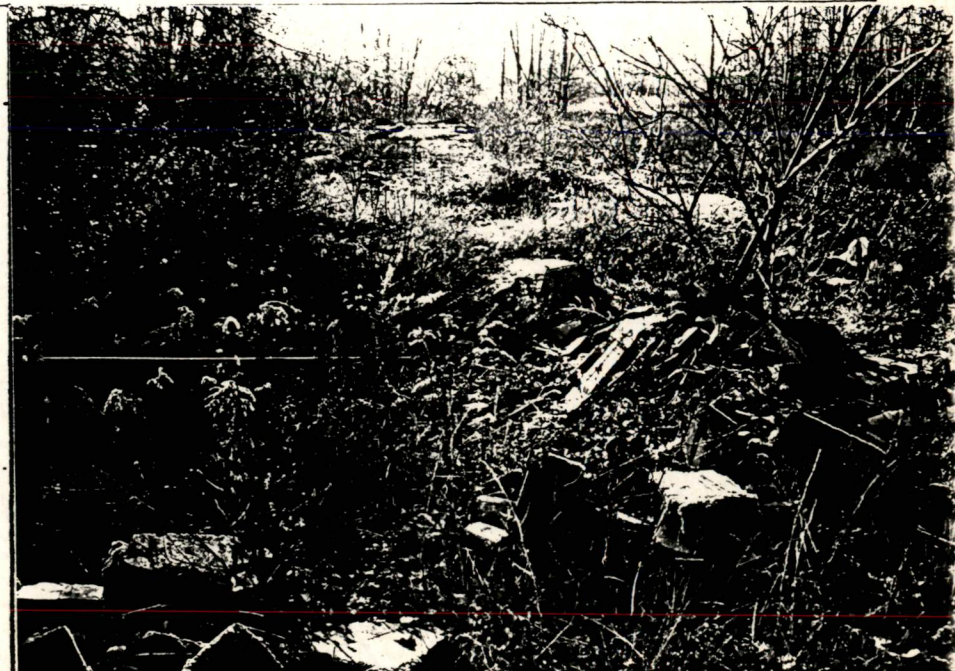




<b>ecology and environment, inc.</b>		
<small>111 WEST JACKSON BLVD., CHICAGO, ILLINOIS 60604, TEL. 312-663-9415</small>		
<b>TITLE</b>	<b>SITE MAP SHOWING WELL LOCATIONS</b>	<b>FIGURE #</b> 5
<b>SITE</b>	LINDEN ROAD GENERAL MOTORS LANDFILL	<b>SCALE</b> 1:2223
<b>CITY</b>	FLINT TOWNSHIP	<b>STATE</b> MI
<b>SOURCE</b>	KECK CONSULTING SERVICES	<b>P. A. N.</b> FMI0489SA
		<b>DATE</b> 1979
		<b>REVISED</b> N/A



DATE 11-12-87TIME 9:10 (A.M.) P.M.DIRECTION: N NNE NE ENE  
E ESE SE SSE  
S SSW SW WSW  
W WNW NW NNWWEATHER clear 29°-50°SITE Linden Rd LandfillTOD# F05-8611-244PHOTOGRAPHED BY:  
Glenn BalanoffSAMPLE ID# (if applicable)  
N/ADESCRIPTION: Drum marked "Methal Chloride DOW"DATE 11-12-87TIME 9:15 (A.M.) P.M.DIRECTION: N NNE NE ENE  
E ESE SE SSE  
S SSW SW WSW  
W WNW NW NNWWEATHER clear 29°-50°SITE Linden Rd. LandfillTOD# F05-8611-244PHOTOGRAPHED BY:  
Glenn BalanoffSAMPLE ID# (if applicable)  
N/ADESCRIPTION: Spoils piles of metal shavings and other refuse.

DATE 11-12-87TIME 9:11 (A.M.) P.M.DIRECTION: N ~~NNE~~ NE ENE  
E ESE SE SSE  
S SSW SW WSW  
W WNW NW NNWWEATHER clear 29°-50°SITE Linden Rd LandfillTDD# F05-8611-244PHOTOGRAPHED BY:  
Glenn BalanoffSAMPLE ID# (if applicable)  
N/ADESCRIPTION: General refuse on ditch bank.DATE 11-12-87TIME 9:12 (A.M.) P.M.DIRECTION: N NNE NE ENE  
E ESE SE SSE  
S SSW SW WSW  
W WNW NW NNWWEATHER clear 29°-50°SITE Linden Rd LandfillTDD# F05-8611-244PHOTOGRAPHED BY:  
Glenn BalanoffSAMPLE ID# (if applicable)  
N/ADESCRIPTION: Construction debris near ditch with rusted drums

DATE 11-12-87

TIME 9:16 (A.M.) P.M.

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

WEATHER clear 29°-50°

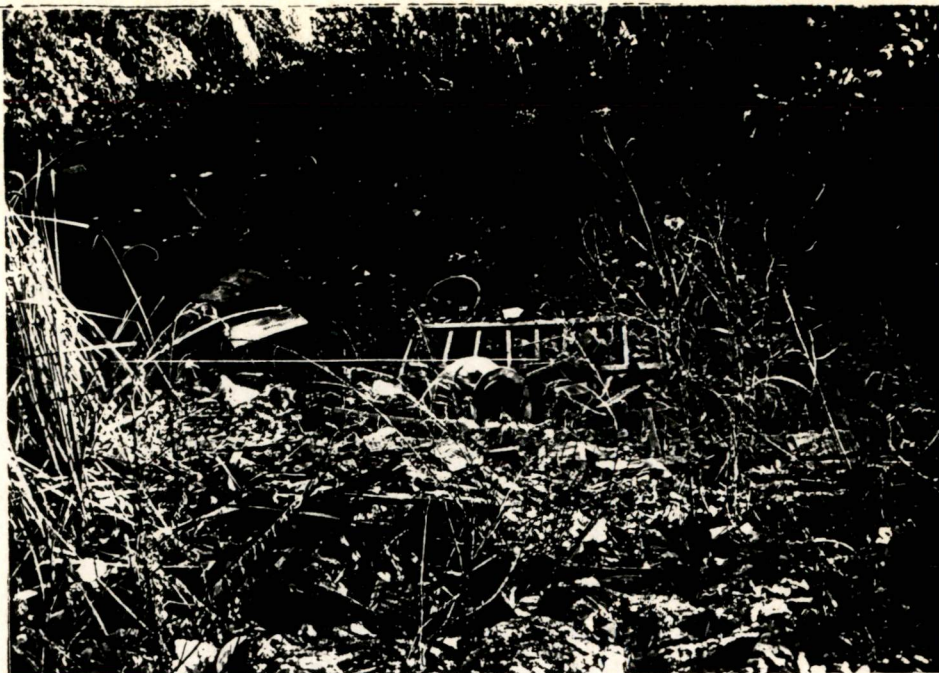
SITE Linden Rd Landfill

TDD# FO5-8611-244

PHOTOGRAPHED BY:  
Glenn Balanoff

SAMPLE ID# (if applicable)  
N/A

DESCRIPTION: General refuse and rusted drums in 'Y' shaped ditch.



DATE 11-12-87

TIME 9:17 (A.M.) P.M.

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

WEATHER clear 29°-50°

SITE Linden Rd, Landfill

TDD# FO5-8611-244

PHOTOGRAPHED BY:  
Glenn Balanoff

SAMPLE ID# (if applicable)  
N/A

DESCRIPTION: Same as above.



DATE 11-12-87

TIME 9:18 (A.M.) P.M.

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

WEATHER clear 29°-50°

SITE Linden Rd Landfill

TDD# F05-8611-244

PHOTOGRAPHED BY:  
Glenn Balanoff

SAMPLE ID# (if applicable)  
N/A



DESCRIPTION: Middle of 'Y' shaped ditch, note half rusted drums in discolored water

DATE 11-12-87

TIME 9:19 (A.M.) P.M.

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

WEATHER clear 29°-50°

SITE Linden Rd. Landfill

TDD# F05-8611-244

PHOTOGRAPHED BY:  
Glenn Balanoff

SAMPLE ID# (if applicable)  
N/A



DESCRIPTION: Right side of 'Y' ditch with construction debris & rusted drums.

DATE 11-12-87TIME 9:20 (A.M.) P.M.DIRECTION: N NNE NE ENE  
E ESE SE SSE  
S SSW SW WSW  
W WNW NW NNWWEATHER clear 29°-50°SITE Linden Rd LandfillTDD# F05-8611-244

PHOTOGRAPHED BY:

Glenn Balanoff

SAMPLE ID# (if applicable)

N/ADESCRIPTION: 'Y' shaped ditch with construction debris, rusted drums and discolored water.DATE 11-12-87TIME 9:21 (A.M.) P.M.DIRECTION: N NNE NE ENE  
E ESE SE SSE  
S SSW SW WSW  
W WNW NW NNWWEATHER clear 29°-50°SITE Linden Rd. LandfillTDD# F05-8611-244

PHOTOGRAPHED BY:

Glenn Balanoff

SAMPLE ID# (if applicable)

N/ADESCRIPTION: West part of 'Y' shaped ditch with stacks of rusted drums and cattails.

DATE 11-12-87

TIME 9:22 (A.M.) P.M.

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

WEATHER clear 29°-50°

SITE Linden Rd Landfill

TDD# F05-8611-244

PHOTOGRAPHED BY:  
Glenn Balanoff

SAMPLE ID# (if applicable)  
N/A

DESCRIPTION: Rusted drums & debris near 'Y' shaped ditch.



DATE 11-12-87

TIME 9:23 (A.M.) P.M.

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

WEATHER clear 29°-50°

SITE Linden Rd. Landfill

TDD# F05-8611-244

PHOTOGRAPHED BY:  
Glenn Balanoff

SAMPLE ID# (if applicable)  
N/A

DESCRIPTION: Spoils piles near 'Y' shaped ditch



DATE 11-12-87TIME 9:24 (A.M.) P.M.DIRECTION: N NNE NE ENE  
E ESE SE SSE  
S SSW SW WSW  
W WNW NW NNWWEATHER clear 29°-50°SITE Linden Rd LandfillTDD# F05-8611-244

PHOTOGRAPHED BY:

Glenn Balanoff

SAMPLE ID# (if applicable)

N/ADESCRIPTION: Spots piles of metal shavings near 'Y' shaped ditch.DATE 11-12-87TIME 9:30 (A.M.) P.M.DIRECTION: N NNE NE ENE  
E (ESE) SE SSE  
S SSW SW WSW  
W WNW NW NNWWEATHER clear 29°-50°SITE Linden Rd LandfillTDD# F05-8611-244

PHOTOGRAPHED BY:

Glenn Balanoff

SAMPLE ID# (if applicable)

N/ADESCRIPTION: Reporter and camera man by 'Y' shaped ditch.

DATE 11-12-87

TIME 9:26 (A.M.) P.M.

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

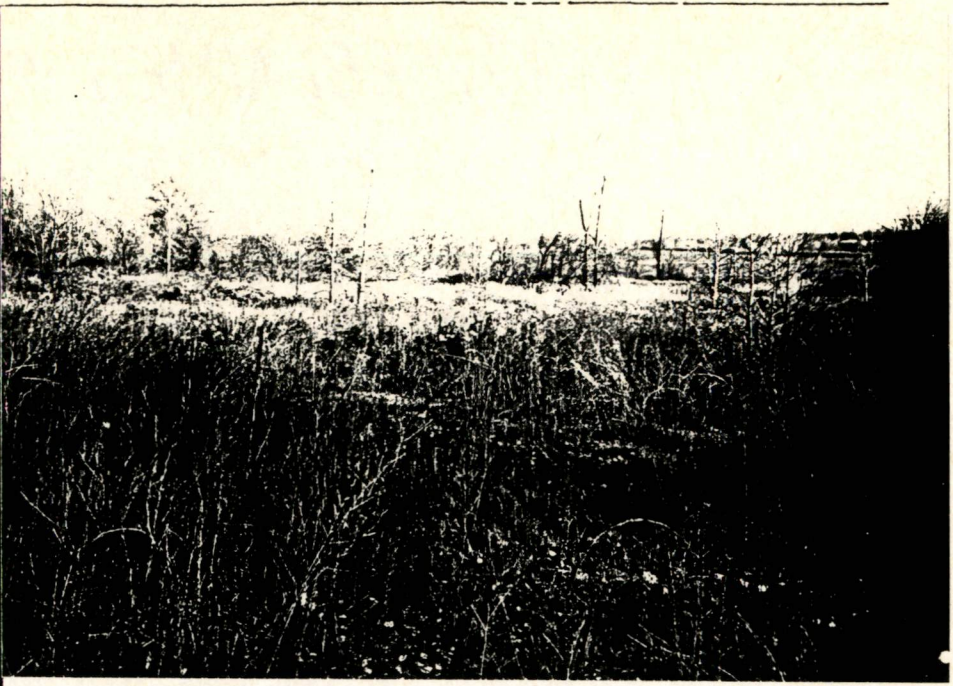
WEATHER clear 29°-50°

SITE Linden Rd Landfill

DD# FOS-8611-244

PHOTOGRAPHED BY:  
Glenn Balanoff

SAMPLE ID# (if applicable)  
N/A



DESCRIPTION: Photo bare patch of ground in foreground and cattails in background.