EPA Region 5 Records Ctr.

353616

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IL	IL D 000808113

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER				
Thomas 12th Street Landfill	Greenwood Cemetary Road				
03 CITY	04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE	08 CONG DIST
Danville	IL	61832	Vermillion	183	22
09 COORDINATES LATITUDE 40° 06' 15.0"	LONGITUDE 087° 37' 00.0"	Topo map: Danville SE Quad. 1966 Sec. 16, T. 19 N., R. 11 W. (Center of section)			

10 DIRECTIONS TO SITE (Starting from nearest public road)
Exit off of I-74 onto Rte. 150 and Rte 1 south. The first street that goes east should be 14th Street - Turn left onto 14th and continue to Greenwood Cemetary Rd. (runs north - south) Turn north (left) on this road. Site is behind trailer court, access road off Greenwood Cemetary Rd.

III. RESPONSIBLE PARTIES

01 OWNER (If known)	02 STREET (Business, mailing, residential)		
Mr. Joseph (Joe) Thomas	304 Mayfield Street		
03 CITY	04 STATE	05 ZIP CODE	06 TELEPHONE NUMBER
Danville	IL.	61832	(217) 446-4027
07 OPERATOR (If known and different from owner)	08 STREET (Business, mailing, residential)		
Same as above			
09 CITY	10 STATE	11 ZIP CODE	12 TELEPHONE NUMBER
			( )

13 TYPE OF OWNERSHIP (Check one)
■ 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
■ YES DATE 5, 18, 83 (MONTH DAY YEAR)
☐ NO

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

02 SITE STATUS (Check one)
■ A. ACTIVE ☐ B. INACTIVE ☐ C. UNKNOWN

03 YEARS OF OPERATION
1967 (BEGINNING YEAR) | Present (ENDING YEAR) ☐ UNKNOWN

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED
Asbestos - Toxic
Air emission scrubber effluent (contains Sodium Hydrosulfide) - Corrosive, Soluble, Reactive
① Waste Transmission Oil, Paint Sludge (solid), Foundry Sand, impoundment basin sludge, sewage sludge
① NO WASTE ANALYSIS FOR THIS LINE

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION
Population - Direct Contact (site easily accessible)
Environmental - Groundwater & Surface Water contamination (Priority pollutants not checked)
Environmental - Soil Contamination

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
Mr. Monte Nienkirk	Illinois E.P.A., Springfield	(217) 786-6892

04 PERSON RESPONSIBLE FOR ASSESSMENT	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NUMBER	08 DATE
			( )	___/___/___ (MONTH DAY YEAR)

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IL	IL D000808113

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

- ■ A. SOLID
- ☐ 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 _____

CUBIC YARDS 13,060

NO OF DRUMS 5636

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 5 cu yds. - Paint sludge
SLU	SLUDGE	12,155	cu. yds./yr.	12 000 cy. - Impoundment Basin sludge 150 cy - Sewage treatment sludge
OLW	OILY WASTE	60,000	gals/yr.	Waste transmission oil (1091 - 55 gal drums)
SOL	SOLVENTS			
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS	5	cu. yds./yr.	Waste asbestos
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES	250,000	gals/yr.	Air emission scrubber effluent 4,545 - 55 gal. drums/contains Sodium Hydrosulfide
MES	HEAVY METALS	900	cu. yds./yr.	Foundry sand - no analysis

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)

Ecology & Environment, Inc. F.I.T. files; Chicago, IL. (312) 63-9415

Illinois E.P.A. files; Springfield (Central region)

EPA

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

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
IL	IL D 000808113

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ■ A. GROUNDWATER CONTAMINATION — 02 ☐ OBSERVED (DATE: _____) ■ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 42 570 — 04 NARRATIVE DESCRIPTION (Glacial drift deposits)

Monitoring well borings reveal ~ 15 ft. of silty clay or clayey silt with trace amounts of sand and gravel. ~15 ft to 30 ft. is sand with trace of gravel. Monitoring wells also reveal a mounding effect of the water table which may mean the aquifer is recharging the river. Wells are only checked for Ammonia as N, Boron, COD, Iron, and R.O.E. The lenses or beds of sand and gravel with higher hydraulic conductivity will cause any contamination to be transported more rapidly in these "beds"

01 ■ B. SURFACE WATER CONTAMINATION — 02 ■ OBSERVED (DATE: 3/23/83) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 42570 — 04 NARRATIVE DESCRIPTION

Inspection by W. E. Zierath (I.E.P.A. - Central Region) observed leachate flowing into an unnamed tributary to the Vermilon River. Also in 3/82, leachate was observed flowing into the same unnamed tributary by I.E.P.A. inspector D.C Jansen.

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

NONE

01 ■ D. FIRE/EXPLOSIVE CONDITIONS — 02 ■ OBSERVED (DATE: 1/25/83) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 42570 — 04 NARRATIVE DESCRIPTION

An I.E.P.A. inspection on this date revealed a small underground fire. From the inspection report it sounded like a normal landfill trash fire. The I.E.P.A inspector suggested to the owner he excavate the area and make sure the fire was out. Next inspection fire was out. This was the only report of a fire on the site.

01 ■ E. DIRECT CONTACT — 02 ☐ OBSERVED (DATE: _____) ■ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 42570 — 04 NARRATIVE DESCRIPTION

In April of 1981, a fence had been put up across the access road in the SW area to restrict people coming in that way; however, with a trailer park so close it is very probable that children can make there way through the site to the river. This is due to no fence up entirely around the site.

01 ■ F. CONTAMINATION OF SOIL — 02 ■ OBSERVED (DATE: 3/23/83) ☐ POTENTIAL ☐ ALLEGED
03 AREA POTENTIALLY AFFECTED: 40 (Acres) — 04 NARRATIVE DESCRIPTION

This is due to leachate seeps and flows found on the site via an I.E.P.A. inspection. There is no detailed analysis on the leachate (no priority pollutants checked). Leachate seeps and flows are always found on inspection of the site at one location or another.

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

NONE: Interstate Water Co. uses Surface water for Danville area and site is somewhat confined for drainage. Intakes for the water company are on the North Fork of the Vermillion River.

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

NONE

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

NONE

EPA

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

I. IDENTIFICATION
01 STATE: IL
02 SITE NUMBER: IL D 000808113

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

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

NONE

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

NONE

01 ☐ L. CONTAMINATION OF FOOD CHAIN — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

NONE

01 ☒ M. UNSTABLE CONTAINMENT OF WASTES (Spills/runoff/standing liquids/leaking drums) — 02 ☒ OBSERVED (DATE: 5/18/83) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 42570
04 NARRATIVE DESCRIPTION
On 5/18/83, W. Zieroth of the I.E.P.A. found numerous small, on-site leachate flows around the landfill.

01 ☒ N. DAMAGE TO OFFSITE PROPERTY — 02 ☒ OBSERVED (DATE: 5/18/83) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
This is not from any hazardous waste, but from wind blown litter. Most of the I.E.P.A. inspection forms mentioned problems of wind blown litter all over the place.

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

NONE

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

NONE

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

III. TOTAL POPULATION POTENTIALLY AFFECTED: 42 570

IV. COMMENTS

This is a landfill operation in an old strip coal mine area. Most of Danville falls in a one mile radius of the site. Most residences within one mile of the site are served by the Interstate Water Co., but there some private wells too.

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

Ecology and Environment, Inc. F.I.T. files; Chicago, IL. (312) 663-9415

FIELD PHOTOGRAPHY LOG SH

DATE August 18, 1983

TIME 12:55 A.M. (P.M.)

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

WEATHER Sunny and Clear, Temp.: ~100°F, Wind: 5-10mph from WSW

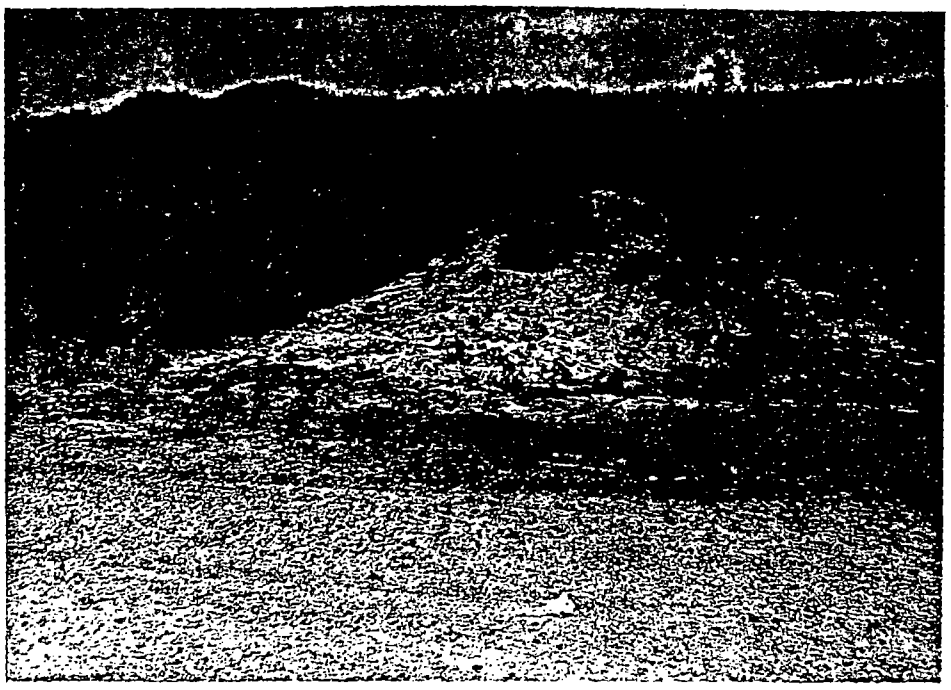
SITE Thomas 12th St. Landfill

TDD# R05-8303-01-0056

PHOTOGRAPHED BY:
Claude E. Mays III

SAMPLE ID# (if applicable)
N/A

Camera: Canon AE-1
Lens: Aubell f=28mm 1:2.8



Picture #6

DESCRIPTION: Leachate flow from area where GM Central Foundry sludge was disposed of. Illinois EPA has no idea on sludge composition. Leachate flow is light due to dry weather

DATE August 18, 1983

TIME 12:55 A.M. (P.M.)

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

WEATHER Same as above

SITE Thomas 12th St. Landfill

TDD# R05-8303-01-0056

PHOTOGRAPHED BY:
Claude E. Mays III

SAMPLE ID# (if applicable)
N/A

Camera: Same as above
Lens:

Picture #7

DESCRIPTION: Black leachate from GM sludge from GM's Central Foundry

FIELD PHOTOGRAPHY LOG SHEET

DATE August 18, 1983

TIME 12:55 A.M. (P.M.)

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

WEATHER Sunny and Clear, Temp.: ~100°F, Wind: 5-10mph from WSW

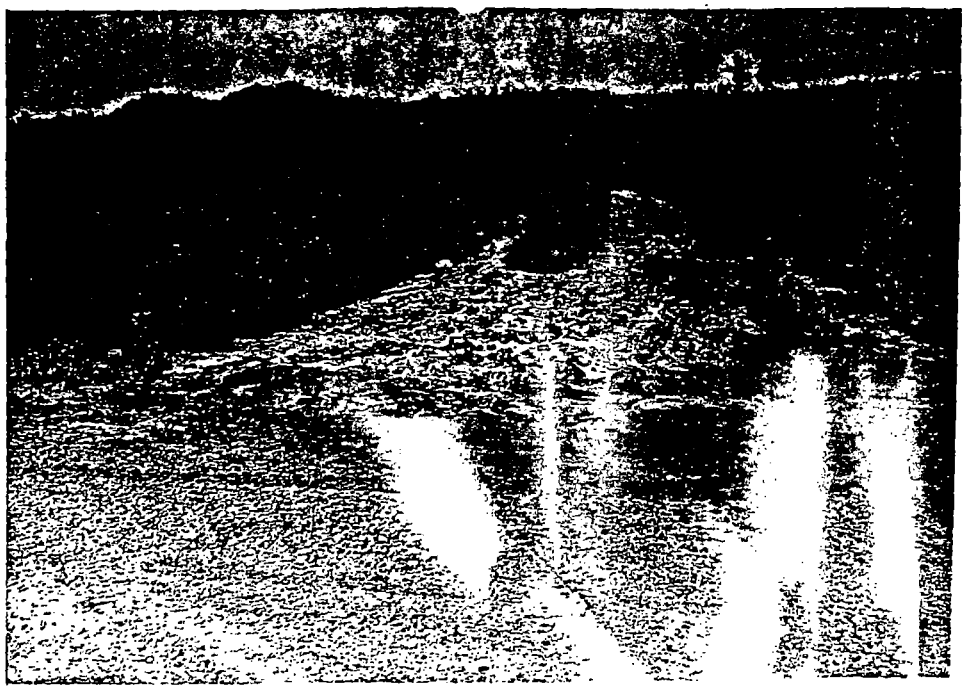
SITE Thomas 12th St. Landfill

TDD# R05-8303-01-0056

PHOTOGRAPHED BY:
Claude E. Mays III

SAMPLE ID# (if applicable)
N/A

Camera: Canon AE-1
Lens: Aubell f=28mm 1:2.8



Pict. #6

DESCRIPTION: Leachate flow from area where GM Cent' Foundr. sludge is disposed of. Illinois EPA has no idea on sludge composition. Le[illegible] flow is right [illegible]

DATE August 18, 1983

TIME 12:55 A.M. (P.M.)

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

WEATHER Same as above

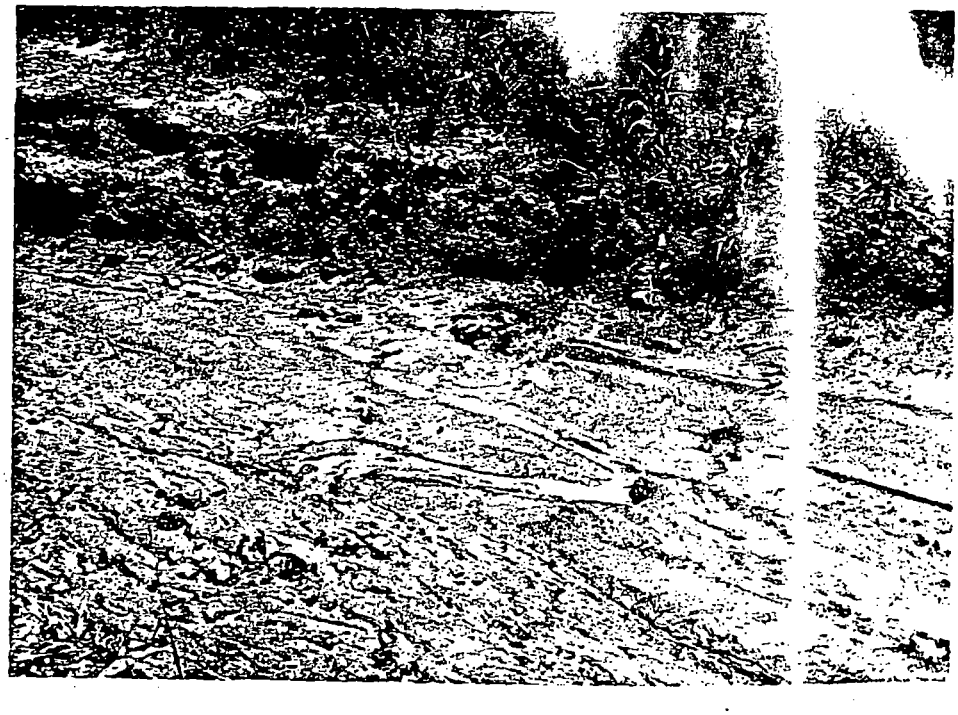
SITE Thomas 12th St. Landfill

TDD# R05-8303-01-0056

PHOTOGRAPHED BY:
Claude E. Mays III

SAMPLE ID# (if applicable)
N/A

Camera: Same as above
Lens:



Picture #7

DESCRIPTION: Black leachate from GM sludge from GM's Central Foundry

IL-056-06

ecology and environment, inc.

223 WEST JACKSON BLVD., CHICAGO, ILLINOIS 60606, TEL. 312-663-9415

International Specialists in the Environmental Sciences

DATE: June 14, 1983

TO: File/USEPA Region V

FROM: Claude E. Mays, III/Environmental Scientist

SUBJECT: Preliminary Assessment
Illinois/TDD#R5-8212-01A-0056
Danville/Thomas 12th Street Landfill (Danville/Thomas #1)
ILD000808113

Attached is EPA's Preliminary Assessment Form 2070-12 for the above referenced site.

Primary information was gathered from the following source(s):

1. Illinois Environmental Protection Agency - Central Region files, Springfield
2. Ecology and Environment, Inc. - Region V files, Chicago
3.

Information indicates the following responsible parties should be listed. They are listed here because of space limitations:

1. Thomas Excavating - 304 Mayfield, Danville, IL
   Hauler of Tee-Pak Wastes and owner of the landfill
2.
3.

Presently, data gaps or no verification exists in the following key area(s):

1. Waste quantity/characteristics
2. Groundwater and surface water contamination
3. Soil contamination

A review of the available data indicates that additional information will be necessary to assess the impact(s) on:

1. Groundwater and surface water contamination
2. Soil contamination
3.
4.
5.

Suggested methods/sources for obtaining additonal information are:

1. *SEE ATTACHED*
2.
3.

Notice of an apparent need for emergency action was transmitted to N/A on N/A
by N/A.

recycled paper

1. Resample monitoring wells and unnamed tributary and analyze samples for priority pollutants. Also analyze leachate. Do this first to determine presence of high concentrations of priority pollutants.

2. Try to get waste quantity/characteristics from Mr. Joseph Thomas if he keeps detailed records.