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L1630450056/St. Clair
Lefton Iron & Metal
ILD 984809244
SF/HRS

CERCLA

Preliminary Assessment Report

4/18/97
J. P.

RECEIVED
SITE ASSESSMENT SECTION

Illinois Environmental Protection Agency
P.O. Box 19276,
Springfield, IL 62794-9276

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CERCLA Preliminary Assessment Report

for

Lefton Iron & Metal

ILD 984809244

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SECTION 1

EXECUTIVE SUMMARY

EXECUTIVE SUMMARY

Introduction

Lefton Iron and Metal (ILD 984809244) was placed on CERCLIS (Comprehensive Environmental Response, Compensation and Liability Information System) on June 4, 1991, by the Illinois Environmental Protection Agency. This action was the result of the Illinois Environmental Protection Agency's concern of potential exposure of hazardous wastes to the population and environment.

Lefton Iron and Metal is an active company that has their Main Plant at 205 South 17th Street and a Scrap Yard at 1901 Converse Street, East St. Louis, Illinois. The Main Plant is located in the northeast quarter of section twenty-four, Township two North, Range ten West, in St. Clair county, Illinois. The Scrap Yard is located partly in the northwest quarter of the southwest quarter of section nineteen, Township two North, Range nine West, and partly in the southeast quarter of the northeast quarter of section twenty-four, Township two North, Range ten West of St. Clair county, Illinois. Lefton Iron and Metal have operated on these two properties since about 1961. The previous owner of the property was the Steel Baling Co., according to the Sanborn Map Company, since the early 1920s.

Aerial photographs of the area, dated 1958, indicate that the surrounding area is a mixture of industrial and residential property. The sites are surrounded by other industrial businesses, small businesses, and residential homes. The nearest residential home to the site is located 100 yards to the west and to the south.

History

Lefton Iron & Metal is a wholesale scrap salvage yard. Lefton Iron & Metal take in metal and strip off non-metal parts such as wood, paper, miscellaneous wires, and plastic. The scrap metal is then chopped, bundled and bond together for easy handling. According to Charlie Merrill, Lefton Iron & Metal's Attorney, there are no chemical or burning processes done.

In October 31, 1988, a citizen complaint was made to the Illinois Environmental Protection Agency that Lefton Iron & Metal was discharging oil onto the ground, processing drums that are not always completely empty, and wire burning. On November 16, 1988 the Illinois Environmental Protection Agency attempted to conduct a complaint investigation at the site. Sampling was not permitted by Norman Lefton, Chairman of the Board, on his attorney's advice. Arrangements were made to conduct the sampling on November 18th. The analytical results, tested for the complete target compound list, revealed the soil to be contaminated with

Polychlorinated biphenyls (PCBs) at levels above 50 parts per million . On December 5, 1988 the Illinois Environmental Protection Agency took additional samples at the Main Plant area. The analysis, testing for total metals, organics, and PCBs, also showed Polychlorinated biphenyl contamination at levels above 50 parts per million. A summary of analytical results is listed in Table 1 of this report. On December 8, 1988 the Illinois Environmental Protection Agency, under Section thirty-four of the Illinois Environmental Protection Act, Ill. Rev. Stat. 1987, Ch. 111 1/2 par. 1034, sealed the two acre site located southeast of the Lefton Iron & Metal Co. fence that is located at the rear of their 1901 Converse Avenue facility, East St. Louis, Illinois. In May, 1989 the Illinois Environmental Protection Agency contracted O. H. Materials Corp. to obtain and analyze soil and wipe samples of the sealed area at the Lefton Iron & Metal 1901 Converse Avenue scrap yard site. A summary of analytical results is listed in Table 2 of this report. On September 24, 1990, the Illinois Environmental Protection Agency referred the Site to the United States Environmental Protection Agency's Toxic Substance Control Act Unit. United States Environmental Protection Agency is negotiating with Lefton Iron & Metal to have an extensive investigation and an Immediate Removal of PCB contaminated soil.

Reconnaissance

A CERCLA preliminary assessment reconnaissance visit was

conducted by the Illinois Environmental Protection Agency on September 4, 1992 with Jennifer Seul, Tom Miller, and Steve Bynum representing the Illinois Environmental Protection Agency. The owners of Lefton Iron & Metal were very reluctant to permit a site visit by the Illinois Environmental Protection Agency personal, stating that the United States Environmental Protection Agency was working with them. Since the owners did not permit Illinois Environmental Protection Agency personal on their property the reconnaissance visit was conduct from the perimeter of the area. Lefton Iron & Metal is an operating site, activity was observed. A small truck brought in scrap metal, and a large crane was moving large pieces of metal. The area had large piles of scrap metal all over the yards. No releases to the air were observed. Photos were taken around the perimeter of both properties and are included in this report. The area occupied by the Main Plant is 225 feet by 650 feet, and the Scrap Yard is 225 feet by 575 feet. Lefton Iron & Metal is secured by a ten feet tall fence. The contamination that is located in the Scrap Yard is also in part on an unpaved public access road and is unprotected by any fence and is easily accessible. During a drive around the area it was noted that the area around the Scrap Yard was actively being used for disposal of household refuse (see photo #3). Also, a public elementary school (John Robinson School) is two blocks to the southwest, and Lincoln Park is located three blocks to the southwest of the site.

Migration Pathway

Groundwater Pathway

According to the American Bottoms Groundwater Study the geology of the East St. Louis area is in an area called the "American Bottoms". The American Bottoms are situated over a bedrock valley averaging about 120 feet below ground level. The bedrock valley consist of Mississippian and Pennsylvanian age rocks filled by sands, gravels, silts, and clays. Because of variations in the bedrock surface and ground elevations, the thickness of the valley fill ranges from a few inches near the bluffs to more than 170 feet near the city of Wood River. The American Bottoms' topography is nearly flat. Overall relief within the area encompassed by the American Bottoms is in the range of 40 to 50 feet. The maximum elevations are about 445 feet above mean sea level.

The bedrock foundation of the East St. Louis area is Mississippian and Pennsylvanian. The Mississippian rocks, composed of limestone, sandstone and shale, are prevalent throughout most of the western portion of the area. Mississippian rocks in the extreme western uplands are fine-grained and cherty limestones in which abundant sinkholes occur forming Karst topography. Pennsylvanian rocks, found directly below the glacial drift in the central and eastern portions of the area, have relatively low permeability and

consist mainly of shales, sandstone, thin limestone and coal.

The Mississippian limestones and sandstones are a suitable source of groundwater supply for small to medium uses where they are present immediately below the unconsolidated material or where they are covered by thin Pennsylvanian formations. This bedrock aquifer is of little significance in the American Bottoms where the shallow sand and gravel aquifer offers an abundance of groundwater. The water-yeilding character of the Pennsylvanian formations is variable but generally very low. The only formations that yield any appreciable amounts of water in these rocks are the sandstones. Because the sandstones differ laterally in permeability, they are not water-yielding in all areas. The chances of obtaining a well in the Pennsylvanian aquifers yielding more that twenty gallons per mile are poor. In addition, as the depth of the aquifer increases the water's mineral content also increases. As a result, the uses of groundwater from these formations are extremely limited.

The valley fill is composed both of glacial materials deposited by melt waters from the Ice Ages, and recent alluvium deposited by the Mississippi River during floods. Generally, the glacial materials consist of sand and gravel, and are found near the bottom of the valley fill; whereas the alluvium may be gravel, sand, silt, and/or clay and is in the upper part of the fill. The glacial drift, ranging in

thickness from five to two hundred feet, contains the majority of the available groundwater found in this area. High capacity wells reach excellent water yielding sand and gravel deposits at depths of fifty to seventy-five feet. Recharge within the area is from precipitation, induced infiltration of surface water from the Mississippi River and small streams traversing the area, and subsurface flow from the bluffs bordering the area.

The City of East St. Louis occupies the East St. Louis Rise, which is a topographically high region. This area is an old alluvial fan, or soil deposits washed onto the floodplain from the bluffs.

Groundwater in the East St. Louis area generally moves slowly toward the west southwest to the Mississippi River and other streams and toward cones of depression created by industries and municipalities. High groundwater levels are a major problem associated with the unconsolidated aquifer located in the Mississippi River flood plain, in particular the East St. Louis area. Contributing to the problem is the fact that groundwater levels in this area have steadily risen since 1957, due in part to the decrease in industrial use of groundwater. Additionally, there has been a significant and sustained rise in groundwater levels since the Mississippi River floods of 1973. The result has been widespread sewer damage, higher concentrations of minerals and chlorides in

the groundwater and a greater potential for infiltration of pollutants into the groundwater (A Summary of Information Related to the Comprehensive Management of Groundwater Resources in Madison, Monroe, and St. Clair Counties, Illinois).

According to the Illinois American Water Company wells in the East St. Louis area are use for industrial uses, not for drinking water. They do not use standby wells for emergency use.

Surface Water Pathway

In phone conversations with Illinois American Water it was discovered that surface water supplied from the Mississippi River is used for drinking by East St. Louis and other towns in the area. Wells in the area are used for industrial uses, not for drinking water. There are no standby wells to use in an emergency. The Illinois American Water Company drinking water intake is located at 800 N. Front Street that is about two miles to the northeast of the site.

Drainage from the site is believed to drain into the city sewer system. East St. Louis has an existing treatment plant to handle wastes prior to discharge to the Mississippi river. The system at East St. Louis is a primary treatment plant, the facilities consist of bar screens and primary clarifiers (Economic Impact Analysis of Combined Sewer Overflow Regulations on East St. Louis, R81-12). Surface drainage in

the northwestern portions of St. Clair County, including East St. Louis, is to the Mississippi River.

The nearest documented wetlands from the site consist of approximately two acres of seasonally flooded emergent palustrine wetlands located on site at the Scrap Yard. Illinois Department of Conservation records indicate that there are no known sensitive environments located within a four mile radius nor along the fifteen-mile surface water route. The soil report indicates the average annual rainfall in the area to be around thirty-eight inches (for the period of 1931 to 1960).

Soil Exposure Pathway

Soil exposure is a problem at the site. In a November 18, 1988 Illinois Environmental Protection Agency inspection of Lefton Iron & Metal several scavengers were observed sifting through the refuse. Although Lefton Iron & Metal is well fenced, a portion of the site that is located on Brady Street is exposed to the public. The nearest private residences to the exposed area is about 200 feet. There are no schools or day-cares within 200 feet.

Air Pathway

During the Site Reconnaissance Visit there were no signs of a release to the air. In the past there were complaints made to the Illinois Environmental Protection Agency of burning wire.

Illinois Environmental Protection Agency personal who conduct complaint investigations did not see any burning taking place, but documented evidence of open burning such as ash, and partially burnt refuse.

Site Recommendation

Due to the contamination of the soil, and the potential exposure of people to the contamination a medium priority status has been assigned to this site. In order to quantitatively determine the threat posed by this site, it is recommended that the United States Environmental Protection Agency initiate those actions necessary to advance this site to the Screening Site Inspection stage of the CERCLA Pre-remedial process.

SUMMARY SHEETS OF ANALYTICAL RESULTS
LEFTON IRON & METAL
E. ST. LOUIS, ILLINOIS

Units In
ts Per Million

DATE	11/18/88				12/1/88	12/05/88							01/18/89	
	X101	X102	X103	X104	X105	X101	X102	X103	X104	X105	X201	X106	X101	X102
RIUM			900	1400.0		625.O	1200.0	3000.0	1450.0	5250.0		1500.0		
TOX, BARIUM			1.8	1.9		0.4	0.5	0.7	1.6	1.3		0.8		
DMIUM	144.4	137.5	81.0	105.5	116.25		170.00	199.00	75.75	83.5				
TOX, CADMIUM	0.928	1.645	0.251	0.110	1.295		0.025	0.008	0.186	0.098				
AD	3030.0	2717.5	3987.5	4142.5	2532.5				6105.0	612.5				
TOX, LEAD	2.102	10.25	0.704	0.711	11.57				0.199	2.002				
TAL PCB's	65	53	81	92	44	27	57	53	120	210	4.5	76	82	79
PHTHALENE				22	0.6								1.6	
ETHYLNAPHTHALENE	1.0	0.6	1.1	51	1.6						79		7.8	
ENAPHTHENE					0.9									
ENZOFURAN				2.9	0.9								1.0	
JORENE	0.8		0.5	7.8	1.7								3.0	
ENANTHRENE	3.4		2.9	22	6.4		10	22				28	9.7	0.7
THRACENE					1.3							13		
N-BUTYLPHTHALATE	1.3	0.8	0.9										3.4	1.8
JORANTHENE	3.4	2.5	2.9	4.3	3.2			14				22	4.6	
RENE	3.9	3.4	3.8	6.5	3.5			15				23	3.5	
TYL BENZYL PHTHALATE	3.0	2.5	2.4	3.3	2.3			10					18	1.7
-DICHLOROBENZIDINE								33						
NZO(A)ANTHRACENE												12		
RYSENE		4.0	4.6	5.2	3.9							18	5.3	1.1
(2-ETHYLHEXYL)PHTHALATE	23	25	21	27	21		25	56		36		38	31	4.5
N-OCTYLPHTHALATE	2.0	1.9	1.9	2.8	0.5								3.3	
NZO(B)FLUORANTHENE	1.3	1.3	1.5	1.5	0.7								1.1	
NZO(A)PYRENE	1.0	1.2	1.2	1.2	0.6								1.2	
ENO(1,2,3,-CD)PYRENE													1.8	
NO(GHI)PERYLENE													1.6	
ETONE		5.0	2										1.6	1.5
CHLOROFLUOMETHANE	4.O	1.0	1											
DICHLOROETHANE													0.8	
UENE				3									1.1	
IYLBENZENE				6										
ENE		2.0												

TABLE 1

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY ANALLTICAL RESULTS

	DEPTH INTERVAL		
	Brady Road Area		
	0"-3"	3"-12"	12"-24"
B-1	25.50	8.88	49.90
B-2	17.60	15.90	49.70
B-3	28.40	55.40	14.50
B-4	48.70	33.70	8.30
B-5	34.60	38.20	105.00
B-6	32.10	32.00	15.30
B-7	51.10	51.60	63.90
B-8	14.00	16.90	14.20
B-9	27.80	24.50	18.50
B-10	23.90	39.50	38.10
B-11	30.40	2.43	NA
B-12	27.00	ND	NA
B-13	7.75	4.89	<3.00
	Lefton Iron & Metal Property		
L-1	6.70	16.00	61.00
A	55.20	63.60	54.10
B	1.06	6.99	905.00
C	13.60	44.30	262.00
D	21.10	7.02	6.23
L-2	5.72	7.83	10.90
A	27 20	---	---
B	35.70	---	---
C	18.10	8.12	8.85
D	8.45	6.33	BMQL
L-3	36.40	---	---
A	64.40	---	---
B	4.60	---	---
C	30.10	---	---
D	56.60	---	---
L-4	3.30	5.26	<3.00
A	8.30	9.88	NA
B	BMQL	BMQL	NA
C	8.51	11.30	NA
D	1.25	0.958	NA
L-5	13.30	73.90	170
A	72.40	123.00	86.80
B	17.70	---	---
C	75.80	113.00	147.00
D	6.76	5.28	---
L-6	1.12	NA	NA
A	NA	NA	NA
B	NA	NA	NA
C	NA	NA	NA
D	NA	NA	NA

NOTE: L-1, L-2, L-3, L-4, L-5, and L-6 are composite samples
NA = NO ANALYSIS
BMQL = BELOW METHOD QUANITATION LIMIT
--- = NO SAMPLE TAKEN
ND = NOT DETECTED
Samples with PCB concerntration of less than 10
ppm were not obtained from the bottom depth intervals.
all units in ppm (parts per million)

TABLE 2

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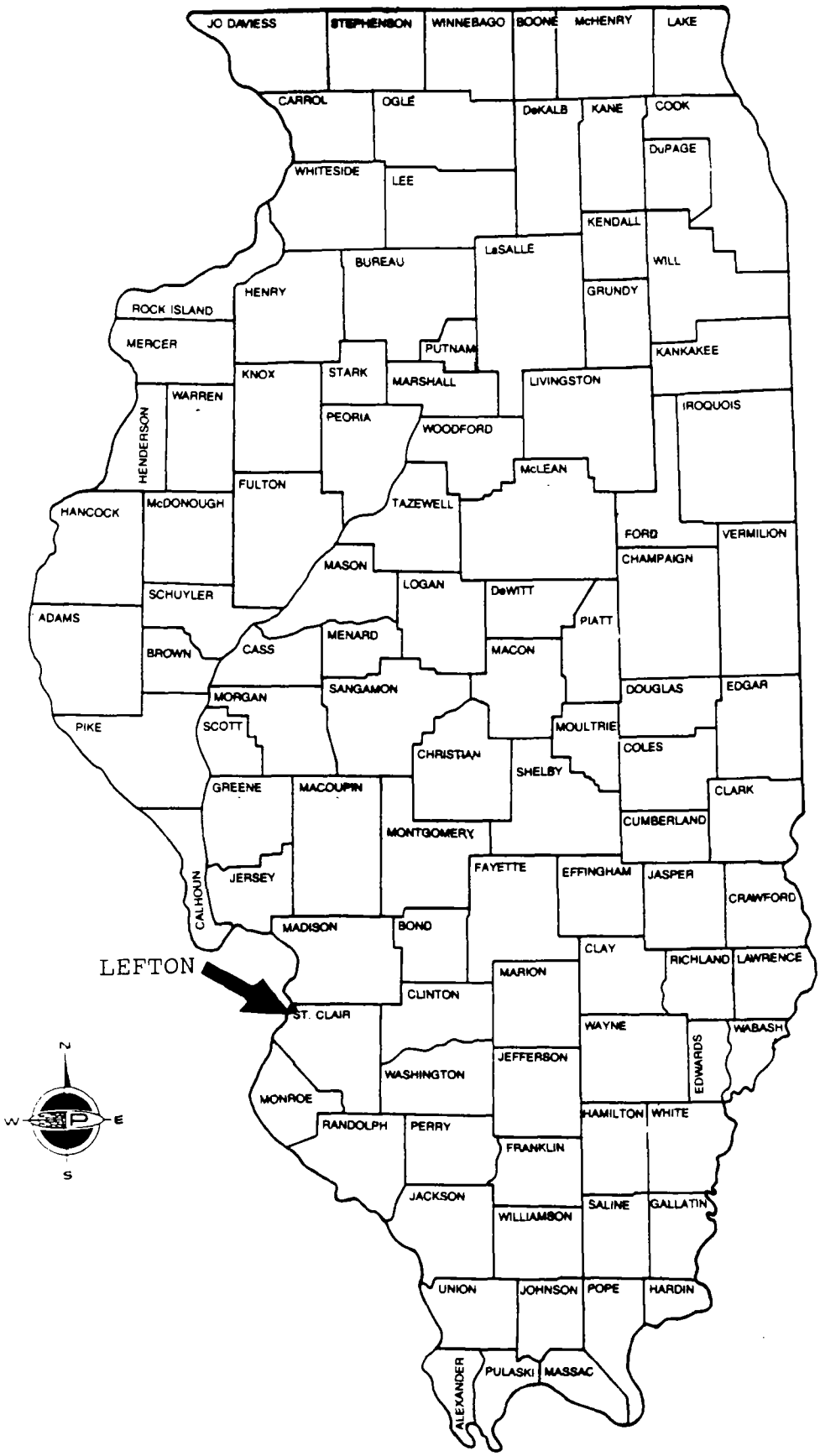
SECTION 2

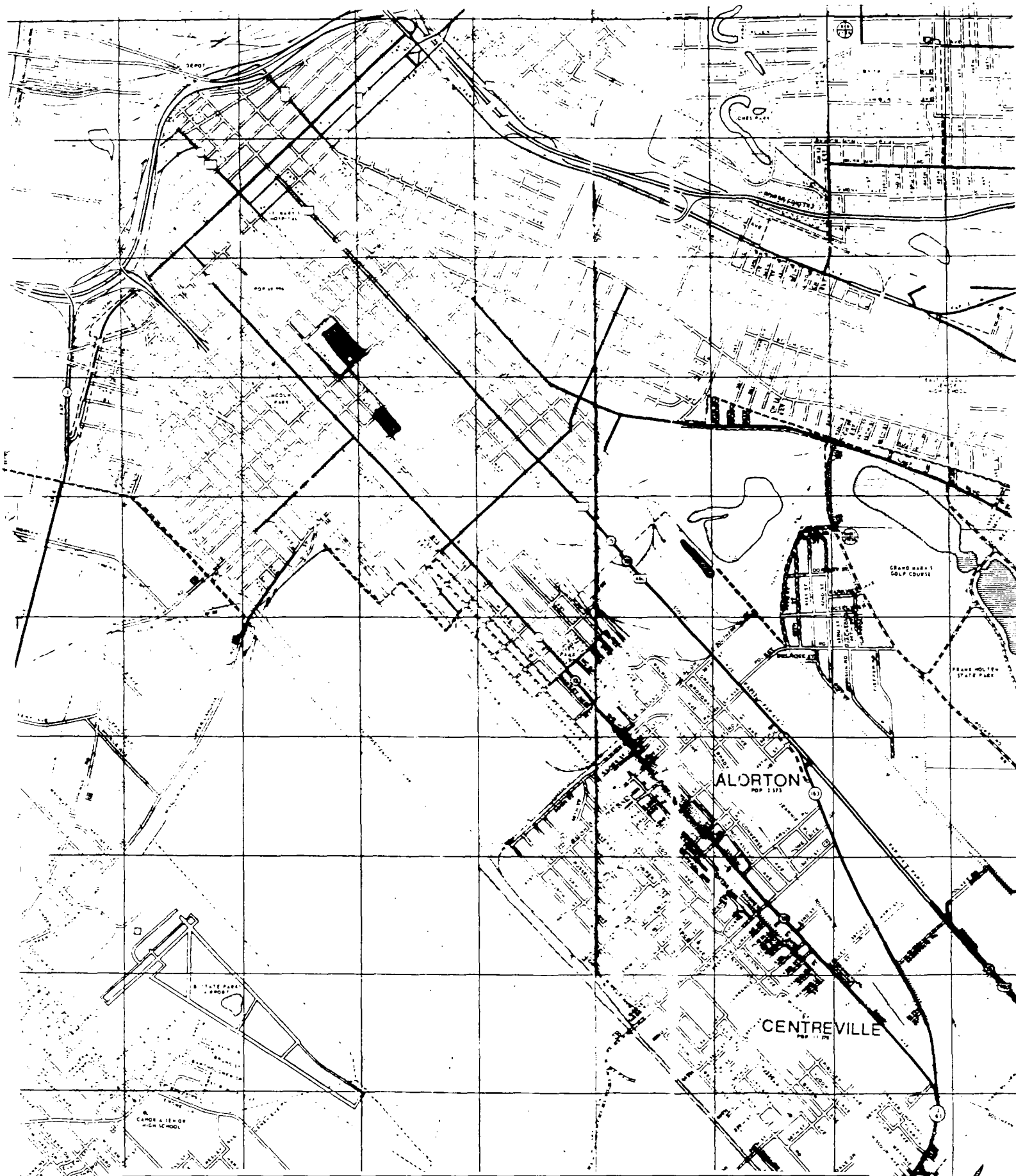
MAPS

ILLINOIS COUNTY LOCATION MAP



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY	SITE NAME: LEFTON IRON & METAL ILD: 984809244
ILLINOIS STATE MAP	

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY	SITE NAME: LEFTON IRON & METAL ILD: 984809244
REGIONAL AREA MAP	
LEGEND:	● SITE LOCATION



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY	SITE NAME: LEFTON IRON & METAL ILD: 984809244
LOCAL AREA MAP	
LEGEND: SITE LOCATION	

SDMS US EPA Region V

Imagery Insert Form

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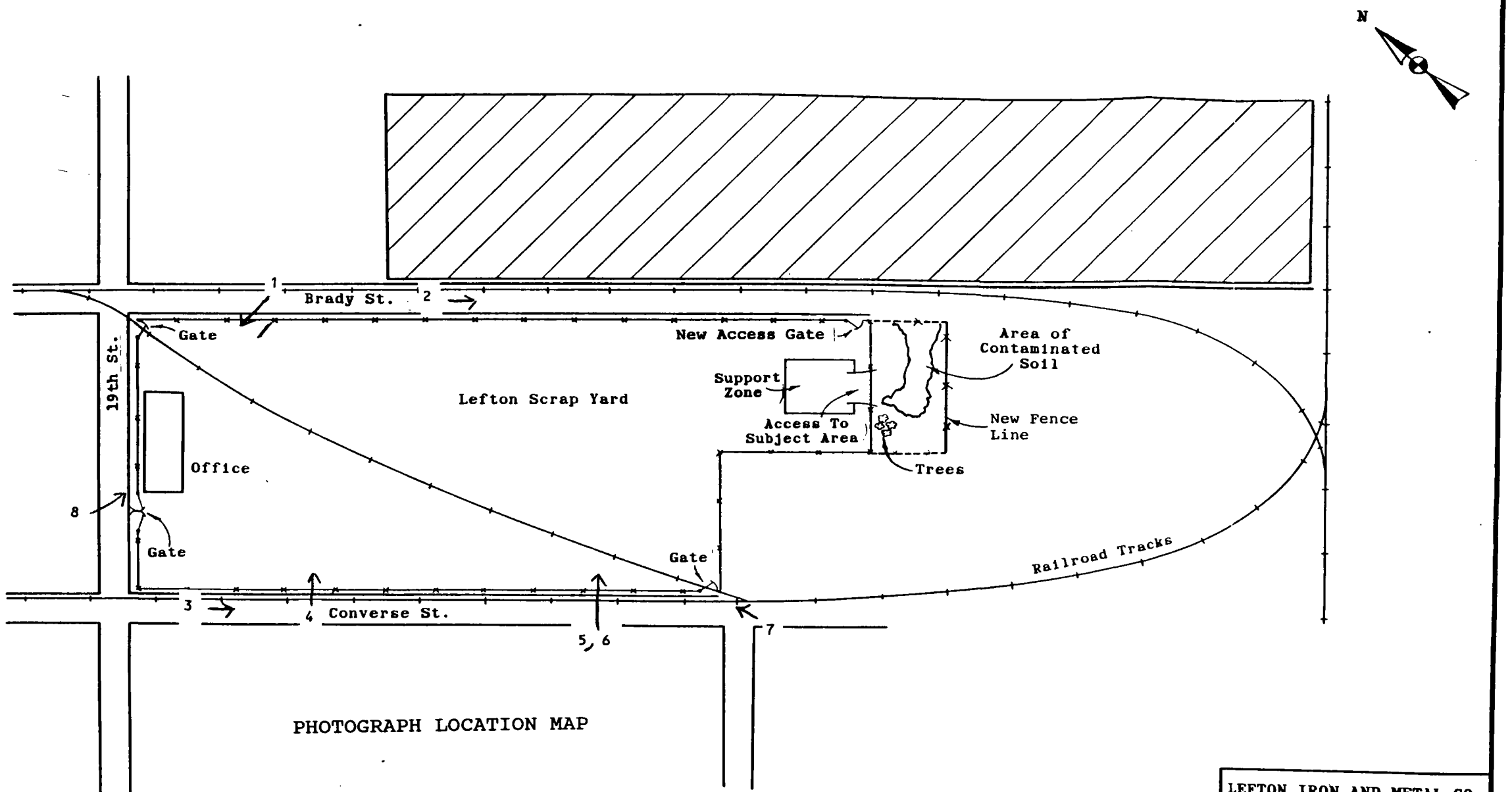
SECTION 3

PHOTOGRAPHS

LEFTON IRON & METAL CO.
AERIAL PHOTO
NO SCALE
PHOTO TAKEN 2/20/59

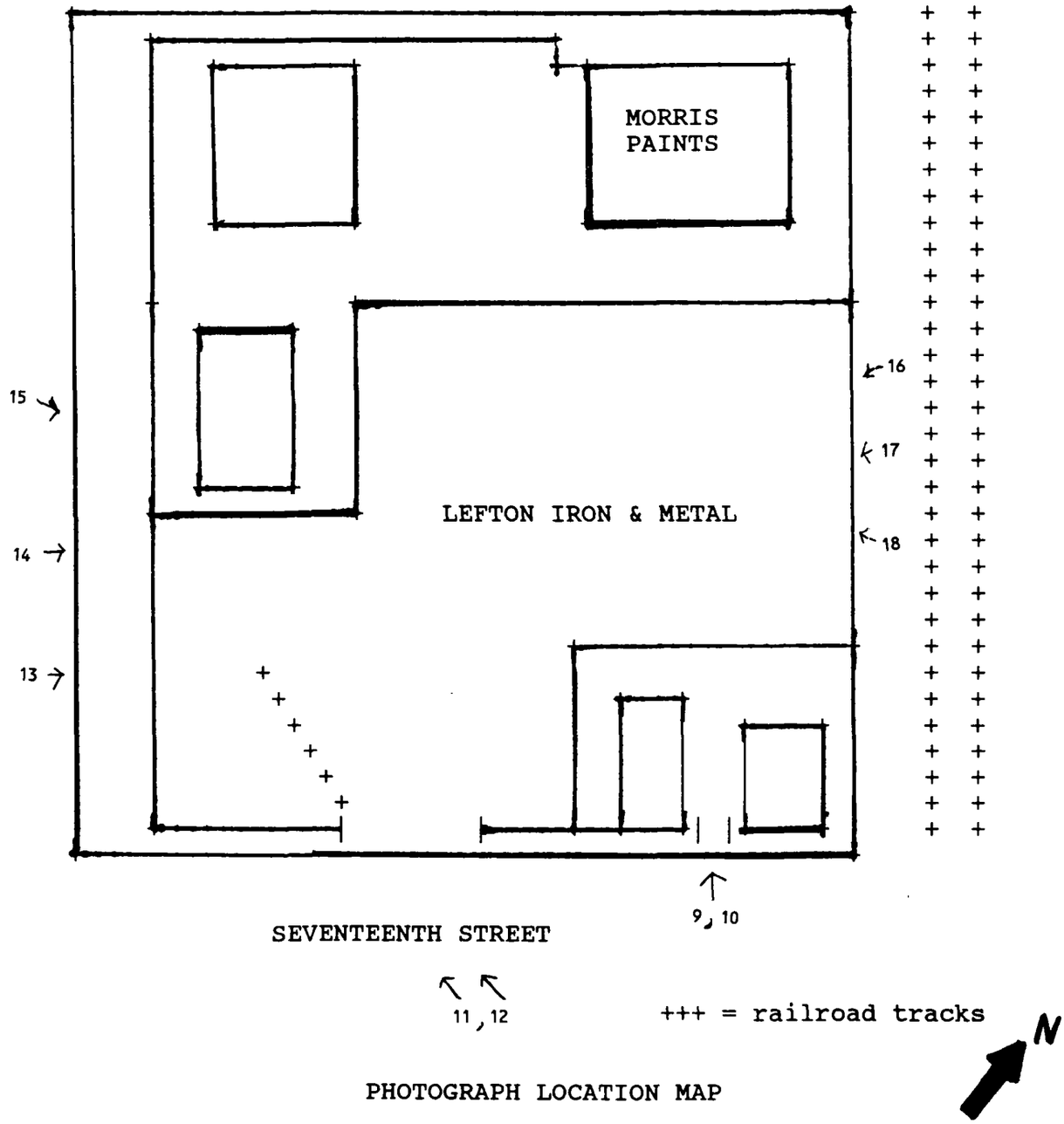


LEFTON IRON AND METAL CO.

Facility Layout Map)

Scale 1" = 100'

M. RAPPS ASSOCIATES, INC.



PHOTOGRAPH LOCATION MAP

DATE: September 4, 1992

Time: 10:30 AM

PHOTOGRAPH TAKEN BY:

Jennifer Seul

LOCATION: 1901 Converse

Lefton Iron & Metal

Scrap Yard

DIRECTION: East

COMMENTS: Truck arriva

PHOTOGRAPH NUMBER: 1

DATE: September 4, 1992

Time: 10:30 AM

PHOTOGRAPH TAKEN BY:

Jennifer Seul

LOCATION: 1901 Converse

Lefton Iron & Metal

DIRECTION: Southwest

COMMENTS: Brady St.

Alley; area of soil contamination

PHOTOGRAPH NUMBER: 2

DATE: September 4, 1992

Time: 10:35 am

PHOTOGRAPH TAKEN BY:

Jennifer Seul

LOCATION: Lefton Iron & Metal, 1901 Converse, Scrap Yard.

DIRECTION: Southwest

COMMENTS: On Converse road, note household refuse.

PHOTOGRAPH NUMBER: 3

DATE: September 4, 1992

Time: 10:35 am

PHOTOGRAPH TAKEN BY:

Jennifer Seul

LOCATION: Lefton Iron & Metal, 1901 Converse

DIRECTION: Northwest

COMMENTS: on Converse road, note scrape metal and drums

PHOTOGRAPH NUMBER: 4

DATE: September 4, 1992

Time: 10:35 am

PHOTOGRAPH TAKEN BY:

Jennifer Seul

LOCATION: Lefton Iron & Metal, 1901 Converse. Scrape Yard

DIRECTION: northwest

COMMENTS: on Converse road.

PHOTOGRAPH NUMBER: 6

DATE: September 4, 1992

Time: 10:35 am

PHOTOGRAPH TAKEN BY:

Jennifer Seul

LOCATION: Lefton Iron & Metal, 1901 Converse. Scrape Yard

DIRECTION: northwest

COMMENTS: on Converse road.

PHOTOGRAPH NUMBER: 5

DATE: September 4, 1992

Time: 10:45 am

PHOTOGRAPH TAKEN BY: Jennifer Seul

LOCATION: Lefton Iron & Metal, 1901 Converse, Scrape Yard.

DIRECTION: North

COMMENTS:

PHOTOGRAPH NUMBER: 7

DATE: September 4, 1992

Time: 10:45 am

PHOTOGRAPH TAKEN BY: Jennifer Seul

LOCATION: Lefton Iron & Metal, 1901 Converse, Scrape Yard.

DIRECTION: Northeast

COMMENTS: Lefton Iron & Metal sign.

PHOTOGRAPH NUMBER: 8

DATE: September 4, 1992

Time: 10:50 am

PHOTOGRAPH TAKEN BY:

Jennifer Seul

LOCATION: Lefton Iron & Metal, 205 North Seventeenth street.

DIRECTION: North

COMMENTS: Main offices

PHOTOGRAPH NUMBER: 10

DATE: September 4, 1992

Time: 10:50 am

PHOTOGRAPH TAKEN BY:

Jennifer Seul

LOCATION: Lefton Iron & Metal, 205 North, Seventeenth street.

DIRECTION: North

COMMENTS: Main offices. on seventeenth street

PHOTOGRAPH NUMBER: 9

DATE: September 4, 1992

Time: 10:50 am

PHOTOGRAPH TAKEN BY: Jennifer Seul

LOCATION: Lefton Iron & Metal, 205 North Seventeenth street

DIRECTION: East

COMMENTS: on Seventeenth street.

PHOTOGRAPH NUMBER: 11

DATE: September 4, 1992

Time: 10:50 am

PHOTOGRAPH TAKEN BY: Jennifer Seul

LOCATION: Lefton Iron & Metal, 205 North Seventeenth street.

DIRECTION: East

COMMENTS: on Seventeenth street

PHOTOGRAPH NUMBER: 12

DATE: September 4, 1992

Time: 11:00 am

PHOTOGRAPH TAKEN BY: Jennifer Seul

LOCATION: Lefton Iron & Metal, 205 North Seventeenth street

DIRECTION: Northwest

COMMENTS: on Converse street.

PHOTOGRAPH NUMBER: 13

DATE: September 4, 1992

Time: 11:00 am

PHOTOGRAPH TAKEN BY: Jennifer Seul

LOCATION: Lefton Iron & Metal, 205 North Seventeenth street.

DIRECTION: Northwest

COMMENTS: on Converse street.

PHOTOGRAPH NUMBER: 14

DATE: September 4, 1992

Time: 11:00 am

PHOTOGRAPH TAKEN BY: Jennifer Seul

LOCATION: Lefton Iron & Metal, 205 North Seventeenth street

DIRECTION: Northwest

COMMENTS: on Converse street.

PHOTOGRAPH NUMBER: 15

DATE: September 4, 1992

Time: 11:00 am

PHOTOGRAPH TAKEN BY: Jennifer Seul

LOCATION: Lefton Iron & Metal, 205 North Seventeenth street.

DIRECTION: Southeast

COMMENTS:

PHOTOGRAPH NUMBER: 16

DATE: September 4, 1992

Time: 11:00 am

PHOTOGRAPH TAKEN BY:

Jennifer Seul

LOCATION: Lefton Iron & Metal, 205 North Seventeenth street

DIRECTION: Southeast

COMMENTS:

PHOTOGRAPH NUMBER: 17

DATE: September 4, 1992

Time: 10:00 am

PHOTOGRAPH TAKEN BY:

Jennifer Seul

LOCATION: Lefton Iron & Metal, 205 North Seventeenth street.

DIRECTION: South

COMMENTS:

PHOTOGRAPH NUMBER: 18

SECTION 4

APPENDIX

APPENDIX A

OMB Approval Number: 2050-0095
Approved for Use Through: 1/92

EPA Potential Hazardous Waste Site Preliminary Assessment Form

Identification

State: Il | CERCLIS Number: D984660244

CERCLIS Discovery Date: June 4, 1991

1. General Site Information

Name: Lefton Iron & Metal	Street Address: 205 So. 17st. and 1901 Converse

City:	State:	Zip Code:	County:	Co. Code:	Cong. Dist:
East St. Louis	Il	62207	St. Clair		

Latitude:	Longitude:	Approximate Area of Site:	Status of Site:
38° 36' 00.N"	90° 9' 00.W"	6 1/2 Acres _____ Square Ft	☒ Active ☐ Not Specified ☐ Inactive ☐ NA (GW plume, etc.)

2. Owner/Operator Information

Owner:	Operator:
Lefton Iron & metal	same
Street Address: 205 S. 17 st.	Street Address:
City: E. St. Louis	City:
State: Il / Zip Code: 62207 / Telephone: (618) 274-4900	State: / Zip Code: / Telephone: ( )

Type of Ownership:
- ☒ Private
- ☐ Federal Agency Name _____
- ☐ State
- ☐ Indian
- ☐ County
- ☐ Municipal
- ☐ Not Specified
- ☐ Other _____

How Initially Identified:
- ☒ Citizen Complaint
- ☐ PA Petition
- ☐ State/Local Program
- ☐ RCRA/CERCLA Notification
- ☐ Federal Program
- ☐ Incidental
- ☐ Not Specified
- ☐ Other _____

3. Site Evaluator Information

Name of Evaluator:	Agency/Organization:	Date Prepared:
Jennifer Seul	IEPA	September 29, 1992

Street Address:	City:	State:
2200 Churchill Road	Springfield	Il.

Name of EPA or State Agency Contact:	Street Address:
City:	State: / Telephone: ( )

4. Site Disposition (for EPA use only)

Emergency Response/Removal Assessment Recommendation:	CERCLIS Recommendation:	Signature:
☐ Yes ☐ No Date: _____	☐ Higher Priority SI ☒ Lower Priority SI ☐ NFRAP ☐ RCRA ☐ Other _____ Date: _____	Name (typed): Position:

EPA **Potential Hazardous Waste Site**
Preliminary Assessment Form - Page 2 of 4

CERCLIS Number: ILD 984892444

5. General Site Characteristics

Predominant Land Uses Within 1 Mile of Site (check all that apply):
- [x] Industrial
- [ ] Commercial
- [x] Residential
- [ ] Forest/Fields
- [ ] Agriculture
- [ ] Mining
- [ ] DOD
- [ ] DOE
- [ ] DOI
- [ ] Other Federal Facility
- [ ] Other

Site Setting:
- [x] Urban
- [ ] Suburban
- [ ] Rural

Years of Operation:
Beginning Year 1960
Ending Year Present
- [ ] Unknown

Type of Site Operations (check all that apply):
- [ ] Manufacturing (must check subcategory)
  - [ ] Lumber and Wood Products
  - [ ] Inorganic Chemicals
  - [ ] Plastic and/or Rubber Products
  - [ ] Paints, Varnishes
  - [ ] Industrial Organic Chemicals
  - [ ] Agricultural Chemicals (e.g., pesticides, fertilizers)
  - [ ] Miscellaneous Chemical Products (e.g., adhesives, explosives, ink)
  - [ ] Primary Metals
  - [ ] Metal Coating, Plating, Engraving
  - [ ] Metal Forging, Stamping
  - [ ] Fabricated Structural Metal Products
  - [ ] Electronic Equipment
  - [ ] Other Manufacturing
- [ ] Mining
  - [ ] Metals
  - [ ] Coal
  - [ ] Oil and Gas
  - [ ] Non-metallic Minerals
- [ ] Retail
- [ ] Recycling
- [x] Junk/Salvage Yard
- [ ] Municipal Landfill
- [ ] Other Landfill
- [ ] DOD
- [ ] DOE
- [ ] DOI
- [ ] Other Federal Facility
- [ ] RCRA
  - [ ] Treatment, Storage, or Disposal
  - [ ] Large Quantity Generator
  - [ ] Small Quantity Generator
  - [ ] Subtitle D
    - [ ] Municipal
    - [ ] Industrial
  - [ ] "Converter"
  - [ ] "Protective Filer"
  - [ ] "Non- or Late Filer"
- [ ] Not Specified
- [ ] Other

Waste Generated:
- [ ] Onsite
- [x] Offsite
- [ ] Onsite and Offsite

Waste Deposition Authorized By:
- [x] Present Owner
- [ ] Former Owner
- [ ] Present & Former Owner
- [ ] Unauthorized
- [ ] Unknown

Waste Accessible to the Public:
- [x] Yes
- [ ] No

Distance to Nearest Dwelling, School, or Workplace: 200 Feet

6. Waste Characteristics Information

Source Type: (check all that apply)	Source Waste Quantity: (include units)	Tier[a]:
[ ] Landfill		
[ ] Surface Impoundment		
[ ] Drums		
[ ] Tanks and Non-Drum Containers		
[ ] Chemical Waste Pile		
[x] Scrap Metal or Junk Pile	6 1/2 acres	A
[ ] Tailings Pile		
[ ] Trash Pile (open dump)		
[ ] Land Treatment		
[ ] Contaminated Ground Water Plume (unidentified source)		
[ ] Contaminated Surface Water/Sediment (unidentified source)		
[x] Contaminated Soil	656 ft²	A
[ ] Other		
[ ] No Sources		

[a] C = Constituent, W = Wastestream, V = Volume, A = Area

General Types of Waste (check all that apply)
- [x] Metals
- [x] Organics
- [ ] Inorganics
- [ ] Solvents
- [ ] Paints/Pigments
- [ ] Laboratory/Hospital Waste
- [ ] Radioactive Waste
- [ ] Construction/Demolition Waste
- [ ] Pesticides/Herbicides
- [ ] Acids/Bases
- [ ] Oily Waste
- [ ] Municipal Waste
- [ ] Mining Waste
- [ ] Explosives
- [ ] Other

Physical State of Waste as Deposited (check all that apply):
- [x] Solid
- [x] Sludge
- [ ] Powder
- [ ] Liquid
- [ ] Gas

EPA Potential Hazardous Waste Site
Preliminary Assessment Form - Page 3 of 4

CERCLIS Number: ILD 980924 4

7. Ground Water Pathway

Is Ground Water Used for Drinking Water Within 4 Miles:
- ☐ Yes
- ☒ No

Type of Drinking Water Wells Within 4 Miles (check all that apply):
- ☐ Municipal
- ☐ Private
- ☐ None

Is There a Suspected Release to Ground Water:
- ☒ Yes
- ☐ No

Have Primary Target Drinking Water Wells Been Identified:
- ☐ Yes
- ☒ No

If Yes, Enter Primary Target Population: _____ People

Depth to Shallowest Aquifer: 35 Feet

Karst Terrain/Aquifer Present:
- ☐ Yes
- ☒ No

Nearest Designated Wellhead Protection Area:
- ☐ Underlies Site
- ☐ >0 - 4 Miles
- ☒ None Within 4 Miles

List Secondary Target Population Served by Ground Water Withdrawn From:

0 - ¼ Mile	_____
> ¼ - ½ Mile	_____
> ½ - 1 Mile	_____
> 1 - 2 Miles	_____
> 2 - 3 Miles	_____
> 3 - 4 Miles	_____
Total Within 4 Miles	_____

8. Surface Water Pathway

Type of Surface Water Draining Site and 15 Miles Downstream (check all that apply):
- ☐ Stream ☐ River ☐ Pond ☐ Lake
- ☐ Bay ☐ Ocean ☒ Other Sewer

Shortest Overland Distance From Any Source to Surface Water:
- 0 Feet
- _____ Miles

Is There a Suspected Release to Surface Water:
- ☒ Yes
- ☐ No

Site is Located in:
- ☐ Annual - 10 yr Floodplain
- ☐ >10 yr - 100 yr Floodplain
- ☐ >100 yr - 500 yr Floodplain
- ☒ >500 yr Floodplain

Drinking Water Intakes Located Along the Surface Water Migration Path:
- ☐ Yes
- ☒ No

Have Primary Target Drinking Water Intakes Been Identified:
- ☐ Yes
- ☒ No

If Yes, Enter Population Served by Primary Target Intakes: _____ People

List All Secondary Target Drinking Water Intakes:

Name	Water Body	Flow (cfs)	Population Served

Total within 15 Miles _____

Fisheries Located Along the Surface Water Migration Path:
- ☐ Yes
- ☒ No

Have Primary Target Fisheries Been Identified:
- ☐ Yes
- ☒ No

List All Secondary Target Fisheries:

Water Body/Fishery Name	Flow (cfs)

EPA **Potential Hazardous Waste Site**
Preliminary Assessment Form - Page 4 of 4

CERCLIS Number: ILD 984869244

8. Surface Water Pathway (continued)

Wetlands Located Along the Surface Water Migration Path:
- [x] Yes
- [ ] No

Have Primary Target Wetlands Been Identified:
- [x] Yes
- [ ] No

List Secondary Target Wetlands:

Water Body	Flow (cfs)	Frontage Miles

Other Sensitive Environments Located Along the Surface Water Migration Path:
- [ ] Yes
- [x] No

Have Primary Target Sensitive Environments Been Identified:
- [ ] Yes
- [x] No

List Secondary Target Sensitive Environments:

Water Body	Flow (cfs)	Sensitive Environment Type

9. Soil Exposure Pathway

Are People Occupying Residences or Attending School or Daycare on or Within 200 Feet of Areas of Known or Suspected Contamination:
- [x] Yes
- [ ] No

If Yes, Enter Total Resident Population:

75 People

Number of Workers Onsite:
- [ ] None
- [x] 1 - 100
- [ ] 101 - 1,000
- [ ] > 1,000

Have Terrestrial Sensitive Environments Been Identified on or Within 200 Feet of Areas of Known or Suspected Contamination:
- [ ] Yes
- [x] No

If Yes, List Each Terrestrial Sensitive Environment:

10. Air Pathway

Is There a Suspected Release to Air:
- [x] Yes
- [ ] No

Enter Total Population on or Within:

Onsite	18
0 - ¼ Mile	3,864
> ¼ - ½ Mile	7,176
> ½ - 1 Mile	9,936
> 1 - 2 Miles	17,265
> 2 - 3 Miles	25,268
> 3 - 4 Miles	29,123
Total Within 4 Miles	92,650

Wetlands Located Within 4 Miles of the Site:
- [x] Yes
- [ ] No

Other Sensitive Environments Located Within 4 Miles of the Site:
- [ ] Yes
- [x] No

List All Sensitive Environments Within ½ Mile of the Site:

Distance	Sensitive Environment Type/Wetlands Area (acres)
Onsite	wetlands 2 acres
0 - ¼ Mile	wetlands 3 acres
> ¼ - ½ Mile	wetlands 2 acres

APPENDIX B

DATE: September 24, 1990

TO: Scott Phillips

FROM: Mike Grant

SUBJECT: 1630450056 - St. Clair County
Lefton Iron & Metal
Compliance

The purpose of this memo is to request that the subject facility be referred to USEPA's TSCA Unit. It was determined that the facility has soils containing greater than 50 ppm PCBs on and off their property. One of the properties was used for disposal of excavated soil after the Agency was denied access to the operating site. A copy of the January 24, 1989 EDG memo is attached for details. Off-site samples collected January 18, 1989, showed PCB concentration of 76 and 82 ppm. PCBs were the only constituent ever detected of any significance. The EDG determined on October 27, 1989, that Lefton should have a high priority for response action when funds become available, however, no action has been taken to date. I feel this site should be referred to TSCA so existing contamination and the unknown properties can be addressed by their program.

On September 21, 1990, I discussed this case with Scott Cooper, USEPA Region V-TSCA prior to his visit to the facility. He indicated that his office would be interested in our existing data, and that he felt a referral is warranted. It should be noted that the TSCA inspection was not completed due to a denial of access.

MDG:pbo/26
Attachment

cc: Glenn Savage
cc: LPC - Division File
cc: DLPC - Collinsville
cc: Charles Northrup
cc: Bruce Carlson

CONFIDENTIAL

STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY

RECEIVED
DEC 20 1988
IEPA-DLPC

NARRATIVE INSPECTION REPORT DOCUMENT

Date of Inspection: November 18, 1988 Inspector: P. McCarthy, M. Grant W. Schaufelberger/C. Reeter

Site Code: 1 6 3 0 4 5 0 0 5 6 County: St. Clair

Site Name: East St. Louis/Lefton Iron & Metal Co. Time: 9:30 - 10:15 a.m. 1:15 - 4:30 p.m.

GENERAL REMARKS

A complaint was received October 31, 1988, concerning the dumping of waste oil, and wire burning, at the Lefton Iron & Metal Co. in East St. Louis. The complaint concerned two sites operated by Lefton. One at 205 S. 17th St. and the other at 1901 Converse. On November 16, 1988, Chuck Reeter, DLPC, Mark Schlueter, DAPC, and this writer attempted to conduct a complaint investigation at the site. We met with Mr. Norman Lefton, Chairman of the Board, at 1:45 p.m. After discussing the processes utilized by the facility, Mr. Lefton agreed to escort us on a tour of the facility. Mr. Reeter inquired of Mr. Lefton if he had any qualms concerning us taking photos or sampling. Mr. Lefton felt he should phone his attorney for guidance in the matter. Mr. Lefton's attorney, Thomas Immel, advised him to disallow sampling and photos. This constituted denial of access to conduct a full inspection. We informed Mr. Lefton of this and advised him to have his lawyer contact the Agency lawyer, Bruce Carlson, to facilitate an agreement between them to allow the Agency to conduct a full inspection of the site. We departed from the site at 3:30 p.m.

The following day an agreement was reached where the Agency would be allowed to take photographs and sample at the site with the condition Lefton's lawyer was to be present. It was agreed to conduct the inspection on the afternoon of November 18, 1988. In the interim Ken Mensing, DLPC, received a phone call from the complainant stating new rock was being hauled into the site. On the morning of November 18, 1988, Chuck Reeter and this writer contacted the complainant to gain more information as

to what type of activity was occurring at the site. It was discovered dirt was being hauled out and rock was being hauled in to the site on 17th Street. Mr. Reeter and I then went to the site at 9:30 a.m. in an attempt to observe where the dirt being hauled out was going. We drove around the outside of the facility on Bond Street and noted, looking through the fence, a loader scraping soil from the ground around the shear and loading it into a roll-off box. We then drove to the site on Converse to determine whether the same type of activity was being conducted there. Brady Street is parallel to the fence surrounding the northeast side of the property. We observed on this street, at the end, near the rear of the property a Lefton truck. We then walked towards the truck, on property that was on the opposite side of Brady (not Lefton property). As we came nearer to the trucks, we observed what appeared to be contaminated soil freshly dumped outside the back fence of the Lefton property. Two Lefton trucks were observed. We departed the site at 10:15 a.m.

The same day, we returned to the Lefton facility on 17th Street at 1:15 p.m. to conduct an inspection. In addition to myself and Mr. Reeter, Mike Grant, DLPC, Pat McCarthy, DLPC, Mark Schlueter, DAPC, and Bruce Carlson, attorney, were present representing the Agency. Representing Lefton was Norman Lefton, Simon Lefton, plant manager, and Thomas Immel, attorney for the facility. After introductions were made and a brief observance of the site was conducted, it was requested by Pat McCarthy and Bruce Carlson that an inspection of the site on Converse be conducted first. Upon arrival at this site, representatives of the Agency proceeded to the back of the site where dumping outside the fence was observed earlier in the day. Closer inspection of this area did reveal the presence of what appeared to be black, contaminated soil dumped in piles in an area approximately 150' x 25'. Four composite soil samples were taken within this area to determine whether the soil was, in fact, contaminated. The first three samples, X101-X103, were taken on Brady Street which is public property. The fourth sample was taken on Lefton property. The samples were taken by Pat McCarthy,

DOCUMENT (continued)

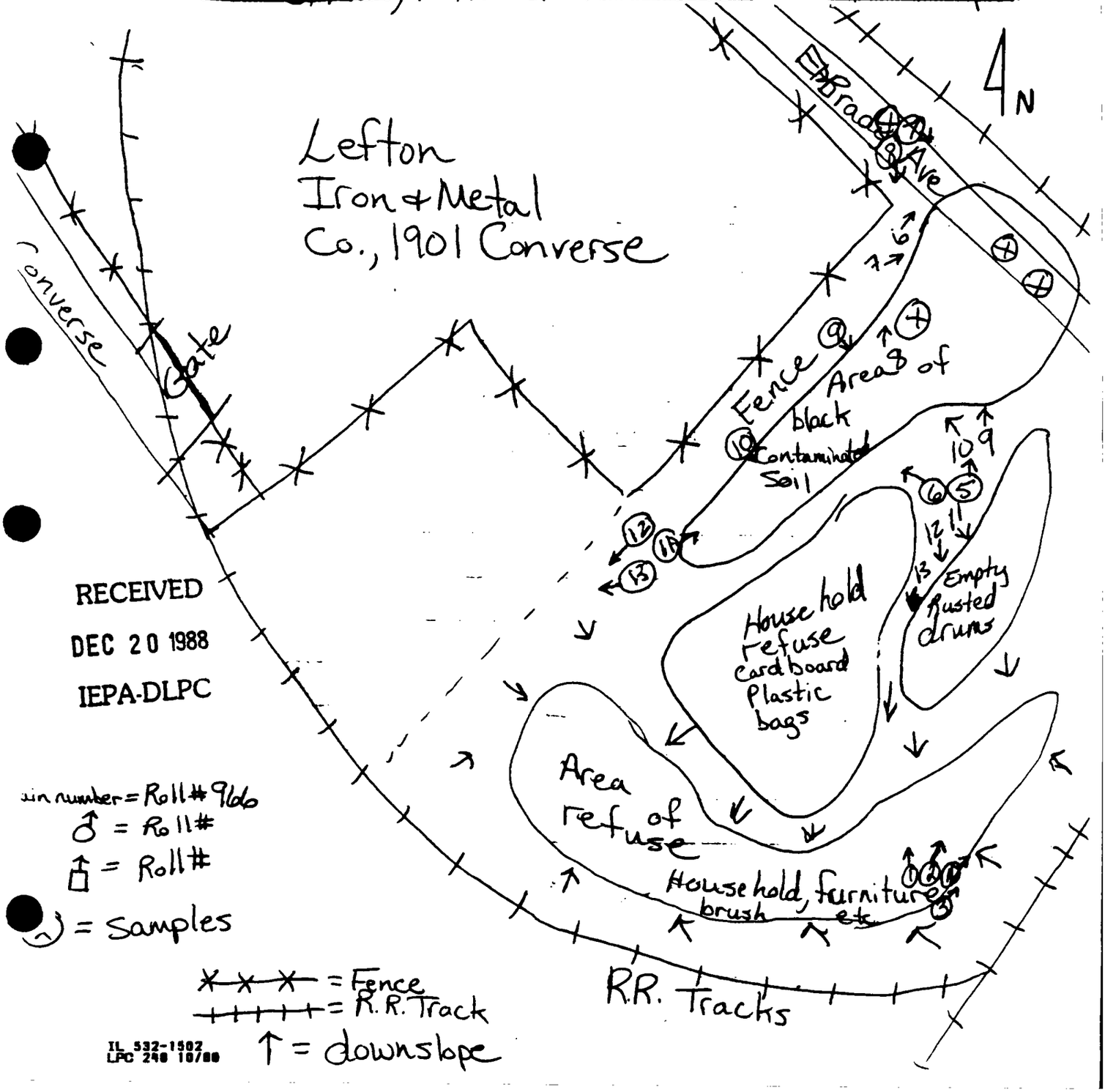
STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY

SITE SKETCH

Date of Inspection: 11/18/88 Inspector: W. Schaufelberger, M. Grant, C. Reeter, P. McCarthy

Site Code: 1630450056 County: St. Clair

Site Name: East St. Louis/Lefton Iron & Metal Co. Time: 9:30-10:15 a.m. 1:15-4:30 p.m.



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in number = Roll # 9606
= Roll #
= Roll #
= Samples

IL 532-1502
LPC 248 10/88

Mike Grant and Chuck Reeter. Also observed in this area were rusted drums, household refuse, cardboard, discarded furniture, miscellaneous refuse and documents with the Lefton letterhead (trip orders and purchase receipts). Several scavengers were observed sifting through the refuse, apparently oblivious to the inspection being conducted. The scavengers were informed there was a possibility parts of this area could be contaminated with hazardous waste. Evidence of open burning was observed including ash, scorched trees and partially burnt refuse. However, no actual fires were seen with the exception of a small fire being used by the scavengers for warmth. The total area being used for dumping was approximately 270' x 400'. It was asked of Mr. Lefton whether he owned this property. He replied he wasn't absolutely sure how much of it or what parts of it he owned. Further investigation did reveal that Mr. Lefton apparently owns a large portion of the area being landfilled. This was verified through St. Clair County plat books and aerial maps at the St. Clair County Courthouse in Belleville. Analysis results pertaining to the four samples taken, revealed the soil to be contaminated with PCBs at levels above 50 ppm.

WGS:pbo/0262L

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GDS:BB:tk:3/2/12(9/18/86)

Mike Grant and Chuck Reeter. Also observed in this area were rusted drums, household refuse, cardboard, discarded furniture, miscellaneous refuse and documents with the Lefton letterhead (trip orders and purchase receipts). Several scavengers were observed sifting through the refuse, apparently oblivious to the inspection being conducted. The scavengers were informed there was a possibility parts of this area could be contaminated with hazardous waste. Evidence of open burning was observed including ash, scorched trees and partially burnt refuse. However, no actual fires were seen with the exception of a small fire being used by the scavengers for warmth. The total area being used for dumping was approximately 270' x 400'. It was asked of Mr. Lefton whether he owned this property. He replied he wasn't absolutely sure how much of it or what parts of it he owned. Further investigation did reveal that Mr. Lefton apparently owns a large portion of the area being landfilled. This was verified through St. Clair County plat books and aerial maps at the St. Clair County Courthouse in Belleville. Analysis results pertaining to the four samples taken, revealed the soil to be contaminated with PCBs at levels above 50 ppm.

WGS:pbo/0262L

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DEC 20 1988
IEPA-DLPC

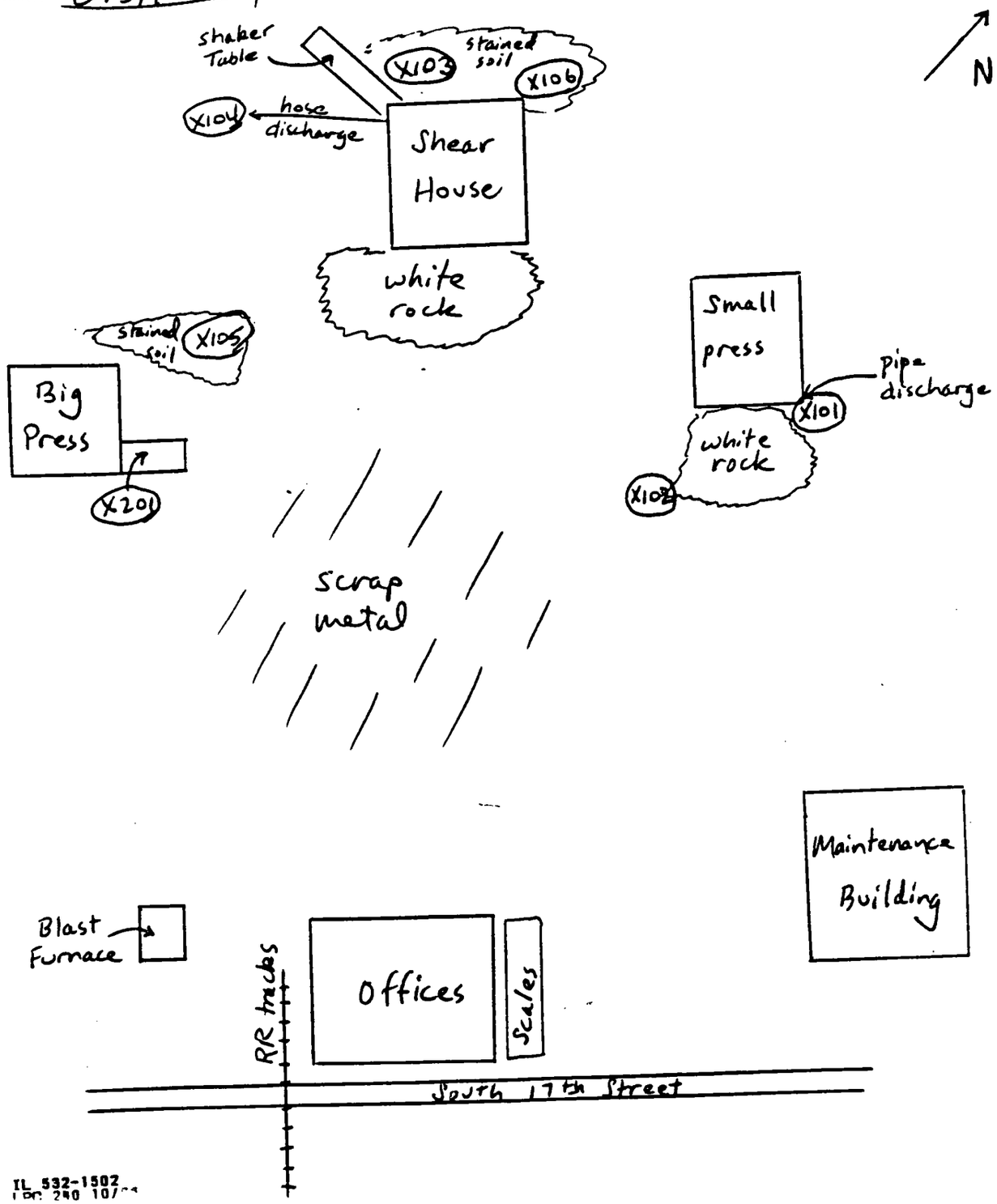
STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY

SITE SKETCH

Date of Inspection: 12/5/88 Inspector: McCarthy, Grant, Reeter

Site Code: 1 6 3 0 4 5 0 0 5 6 County: St. Clair

Site Name: E. St. Louis / Lefton Iron & Metal Time: 11:30am - 3:30pm



IL 532-1502
LPC 240 10/

Facility Name: Letton Iron and Metal State# 1630450056

Street: 205 South 17th Street
City: East St Louis Telephone: 618-274-4900
County: St. Clair State: Ill Zip Code: 62207

Type of Facility: Notified As: N/A Regulated As: N/A
LDF? yes __ no __ HPV? yes __ no __ 90 Day Follow-up Required? yes __ no

Region: 6 Date of Inspection: 11/18/88 From: 1:00 to 5 wpm
Weather (LDF Only): _____

Type of Inspection
ISS: ___ Sampling: ✓ Citizen Complaint: __ Closed: __ Withdrawal: __
Record Review: __ Follow-up to Inspection of _____: __ Other: __

Non Regulated Status
Small Quant. Gen::__ Claimed Nonhandler: __ Other(Specify in narrative):

Notified As/Regulated As Matrix Number: ____ Key Letter: ____

Notification date, _____, from initial __ or subsequent __ notification

Part A date, _____, from initial __ or amended __ Part A.

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Part B permit application submitted? yes __ no __

IEPA DLPC

Has the firm been referred to: USEPA? yes __ no __; IAG? yes __ no __; Cou
States Attorney? yes __ no __. Date of referral to USEPA: _____,
IAG: _____, County States Attorney: _____.

Federal Court Order Issued: _____ State Court Order Issued: _____

USEPA Compliance Order Issued: _____ Illinois PCB Order Issued: _____

Facility Activity Summary Prepared by - Purcell Carthy

Activity (by Process Code)	On Pt A	Activity Conducted Prior to 1980	Was Activity Ever Done	Closed	Being Done at Time of Inspection	Exempt From Regulation per 35 IAC, Section:	On Annual Report F 8	8	8

Page 1 of 1

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
CHAIN OF CUSTODY

I certify that the samples listed below were collected in my presence and that each sample bottle was sealed intact by me and that I wrote my initials and the date on the seal of each bottle.

Site Inventory No. 1630450056 County St. Clair

Federal I.D. No. N/A E. St. Louis / Lefton Iron & Metal (Facility Name)

SAMPLING TEAM

Sample No.	Initials	Consisting of the Indicated No. of Bottles	Date Collected	Time Sealed 11/18/8
X101	CVR	1	11/18/88	2:25 AM/PM
X102	↓	1	↓	2:30 AM/PM
X103	↓	1	↓	2:38 AM/PM
X104	↓	1	↓	4:30 AM/PM
				AM/PM
				AM/PM
				AM/PM
				AM/PM
				AM/PM
				AM/PM

Sealer's Signature Charles Reeter Date 11/21/88 Time 11:30 AM/PM

Sampler(s) Charles Reeter (X101 - X104) Michael Grant (X101 - X103) Pat McCarthy Dan Flynn (X104 only)

I certify I received the above samples, with each seal on each bottle intact and the sealer's initials written on each sample seal.

CARRIERS

Relinquished By (Signature)	Date	Time	Received By (Signature)	Date	Time
Charles Reeter	11/21/88	4:30 AM/PM	UPS		AM/PM
		AM/PM			AM/PM
		AM/PM			AM/PM
		AM/PM	RECEIVED		AM/PM
		AM/PM			AM/PM
		AM/PM	NOV 30 1988		AM/PM
		AM/PM			AM/PM
			IEPA DLPC		

LAB CUSTODIAN

I certify I received the above samples with each seal on each bottle intact, and the sealer's initials written on each sample seal. After recording these samples in the official record book, these same samples will be in the custody of competent laboratory personnel at all times or locked in a secured area.

Signature A J Parks Date 11-23-88 Time 11:45 A.M. P.M.

Lab Location Chicago (City)

IL 532-1147
LPC 141 9/83

120-011

B | C | S | M | 0 | 1 | A |

DIVISION OF LAND POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

C806000

REPORT DUE DATE 36 M / D / Y 41

FEDERAL ID NUMBER N/A

SITE INVENTORY NUMBER 1 6 3 0 4 5 0 0 5 6

MONITOR POINT NUMBER X 1 0 1 (see Instructions)

REGION S CO. St. Clair

DATE COLLECTED 11 / 18 / 88

E. St. Louis / Leftin Iron & Metal
FACILITY NAME

IEPA LAB (x or Blank) X (see Instructions)

FOR IEPA USE ONLY

COMPLAINT NO.

DATE RECEIVED M / D / Y

SAMPLING PURPOSE CODE 1 (see Instructions)

TIME CARD PROGRAM CODE L P 4 1 & UNIT CODE J

BACKGROUND SAMPLE (X)

TIME COLLECTED (24 HR CLOCK) 14 : 2 H M

UNABLE TO COLLECT SAMPLE (see Instructions)

MONITOR POINT SAMPLED BY Q (see Instructions) SS trowel OTHER (SPECIFY)

SAMPLE FIELD FILTERED - INORGANICS (X) ORGANICS (X)

SAMPLE APPEARANCE discolored & stained soil

COLLECTOR COMMENTS

SPECIAL INSTRUCTIONS TO LAB EP-Tox metals Ba, Cd, Cr, Pb, Hg only
Total Metals

COLLECTED BY	INITIALS	DIVISION OR COMPANY	TRANSPORTED BY	DIVISION OR COMPANY
Reeter Grant	C V R	IEPA-DLPC	UPS	

LAB USE ONLY

LAB SAMPLE NO. C806000 LAB NAME Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

LAB ID NO.

DATE RECEIVED 11-23-88 AND ADDRESS

TIME RECEIVED 11 45AM

SAMPLE TEMP OKAY Y (Y/N) SAMPLE PROPERLY PRESERVED Y (Y/N) DATE COMPLETED FORWARD

LAB COMMENTS

SUPERVISOR SIGNATURE

RECORD CODE L | P | C | S | M | 0 | 2 | TRANS CODE A (COLUMNS 9-29 FROM ABOVE)

RECEIVED DEC 29 1988 IEPA-DLPC

FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL
DEPTH TO WATER (ft. below LS)	7 2 0 1 9					
ELEVATION OF GW SURFACE (ft. ref MSL)	7 1 9 9 3					
TOTAL WELL DEPTH (ft. below LS)	7 2 0 0 8					
pH (units) - Field	0 0 4 0 0					
SPEC CONDUCTANCE (umhos) - Field	0 0 0 9 4					
TEMP OF WATER SAMPLE (°F) - Field	0 0 0 1 1					
DEPTH TO btm. CASING FROM M.P. (ft.)	7 2 0 3 9					
DEPTH TO WATER FROM M.P. (ft.)	7 2 1 0 9					
ELEVATION btm. CASING, MSL (ft.)	7 2 0 2 0					
M.P. ELEVATION ABOVE L.S. (ft.)	8 2 5 1 5					

This Agency is authorized to require this information under Illinois Revised Statutes 1979 Chapter 111 1/2 Section 1004 and 1021. Disclosure of this information is required. Failure to do so may result in a civ

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

SAMPLE NUMBER : C805000
SAMPLING POINT DESC. : EAST ST. LOUIS/LEFTON IRON & METAL

SUBMITTING SOURCE # : SITE # : 1630450056
DATE COLLECTED : 881118 TIME COLLECTED : 1425 SAMPLING PROGRAM :

COLLECTED BY : CVR DELIVERED BY : UPS
COMMENTS : DISCOLORED & STAINED SOIL
FUNDING CODE : LP41 AGENCY ROUTING : CO UNIT CODE :
SAM TYPE CODE : LPSP SAMPLE PURPOSE CODE : 1 REPORTING INDICATOR :

DATE RECEIVED : 881123 TIME RECEIVED : 1145 RECEIVED BY : LJP
LAB OBSERVATIONS : TRIP BL SAM# :
SUPERVISORS INITIALS : JWD NOTE : K = LESS THAN VALUE

A10000	PH/FINAL TOX EXT	UNITS :	5.0	A10000	PH/INITIAL TOX EX	UNITS :	7.9
A14500	BARIUM/EP TOX	MG/L :	8HH	A14500	BARIUM/SW846 MET	MG/KG :	1200.0
A14600	CADMIUM/EP TOX.	MG/L :	0.928	A14600	CADMIUM/SW846 MET	MG/KG :	144.5
A14700	CHROMIUM/EP TOX.	MG/L :	0.01K	A14700	CHROMIUM/SW846	MG/KG :	25[illegible]
A15100	LEAD/EP TOXICITY	MG/L :	2.102	A15100	LEAD/SW846 MET.	MG/KG :	3030.0
A15300	MERCURY/EP TOX.	MG/L :	.0005K	A15300	MERCURY/SW846 EQ.	MG/KG :	10.133

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

SAMPLE NUMBER : 0369258
SAMPLING POINT DESC. : E ST LOUIS/LEFTON IRON & METAL X101

SUBMITTING SOURCE # : SITE # : 1630450056
DATE COLLECTED : 881118 TIME COLLECTED : 1425 SAMPLING PROGRAM :

COLLECTED BY : REETER/GRANT DELIVERED BY : T M
COMMENTS : VOL AND SEMIVOL ORG SCAN, PCBS,PESTS
FUNDING CODE : CP41 AGENCY ROUTING : -- UNIT CODE :
SAM TYPE CODE : SAMPLE PURPOSE CODE : 1 REPORTING INDICATOR :

DATE RECEIVED : 881122 TIME RECEIVED : 1000 RECEIVED BY : MSM
LAB OBSERVATIONS : SOIL SOIL TRIP BL SAM# :
SUPERVISORS INITIALS : JTH NOTE : K = LESS THAN VALUE

A59515	TOTAL PCBS	UG/G : 65
A59555	ALDRIN	UG/G : .25K
A59555	DIELDRIN	UG/G : .25K
A59557	TOTAL DDT	UG/G : 2K
A59525	O,P'-DDE	UG/G : .5K
A59521	P,P'-DDE	UG/G : .5K
A59515	O,P'-DDD	UG/G : .5K
A59511	P,P'-DDD	UG/G : .5K
A59505	O,P'-DDT	UG/G : .5K
A59501	P,P'-DDT	UG/G : .5K
A59551	TOTAL CHLORDANE	UG/G : 1K
A59554	CHLORDANE,CIS ISOMER	UG/G : .5K
A59557	CHLORDANE,TRANS ISOMER	UG/G : .5K
A59545	ENDRIN	UG/G : .5K
A59451	METHOXYCHLOR	UG/G : .5K
A59570	ALPHA-BHC	UG/G : .25K
A59545	GAMMA-BHC (LINDANE)	UG/G : .25K
A59701	HEXACHLOROBENZENE	UG/G : .25K
A59415	HEPTACHLOR	UG/G : .25K
A59425	HEPTACHLOR EPOXIDE	UG/G : .25K
A54594	PHENOL	UG/G : 0.5K
A54275	BIS(2-CHLOROETHYL)ETHER	UG/G : 0.5K
A54555	2-CHLOROPHENOL	UG/G : 0.5K
A54565	1,3-DICHLOROBENZENE	UG/G : 0.5K
A54571	1,4-DICHLOROBENZENE	UG/G : 0.5K
A77147	BENZYL ALCOHOL	UG/G : 0.5K
A54555	1,2-DICHLOROBENZENE	UG/G : 0.5K
A00000	2-METHYLPHENOL	UG/G : 0.5K
A54283	BIS(2-CHLOROISOPROPYL)ETHER	UG/G : 0.5K

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IEPA-DLPC

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SAMPLE NUMBER : 1009253

A00300	4-METHYLPHENOL	UG/G	: 0.5K
A34423	N-NITROSO-DI-N-PROPYLAMINE	UG/G	: 0.5K
A34395	HEXACHLOROETHANE	UG/G	: 0.5K
A34447	NITROBENZENE	UG/G	: 0.5K
A34405	ISOPHORONE	UG/G	: 0.5K
A34591	2-NITROPHENOL	UG/G	: 0.5K
A34305	2,4-DIMETHYLPHENOL	UG/G	: 0.5K
A77247	BENZOIC ACID	UG/G	: 5.0K
A34273	BIS(2-CHLOROETHOXY)METHANE	UG/G	: 0.5K
A34301	2,4-DICHLOROPHENOL	UG/G	: 0.5K
A34331	1,2,4-TRICHLOROBENZENE	UG/G	: 0.5K
A34395	NAPHTHALENE	UG/G	: 0.5K
A00300	4-CHLOROANILINE	UG/G	: 0.5K
A34391	HEXACHLOROBUTADIENE	UG/G	: 0.5K
A34432	4-CHLORO-3-METHYLPHENOL	UG/G	: 0.5K
A77415	2-METHYLNAPHTHALENE	UG/G	: 1.0
A34360	HEXACHLOROCYCLOPENTADIENE	UG/G	: 0.5K
A34321	2,4,6-TRICHLOROPHENOL	UG/G	: 0.5K
A77307	2,4,5-TRICHLOROPHENOL	UG/G	: 0.5K
A34361	2-CHLORONAPHTHALENE	UG/G	: 0.5K
A00300	2-NITROANILINE	UG/G	: 1.0K
A34341	DIMETHYLPHTHALATE	UG/G	: 0.5K
A34200	ACENAPHTHYLENE	UG/G	: 0.5K
A34326	2,6-DINITROTOLUENE	UG/G	: 0.5K
A78300	3-NITROANILINE	UG/G	: 1.0K
A34205	ACENAPHTHENE	UG/G	: 0.5K
A34315	2,4-DINITROPHENOL	UG/G	: 1.0K
A34345	4-NITROPHENOL	UG/G	: 1.0K
A31302	DIBENZOFURAN	UG/G	: 0.5K
A34311	2,4-DINITROTOLUENE	UG/G	: 0.5K
A34336	DIETHYLPHTHALATE	UG/G	: 0.5K
A34341	4-CHLOROPHENYL PHENYL ETHER	UG/G	: 0.5K
A34351	FLUORENE	UG/G	: 0.8
A00300	4-NITROANILINE	UG/G	: 1.0K
A00300	4,6-DINITRO-2-METHYLPHENOL	UG/G	: 1.0K
A34355	4-BROMOPHENYL PHENYL ETHER	UG/G	: 0.5K
A34700	HEXACHLOROBENZENE	UG/G	: 0.5K
A34332	PENTACHLOROPHENOL	UG/G	: 1.0K
A34401	PHENANTHRENE	UG/G	: 3.4
A34220	ANTHRACENE	UG/G	: 0.5K
A39110	DI-N-BUTYLPHTHALATE	UG/G	: 1.3
A34375	FLUORANTHENE	UG/G	: 3.4
A34469	PYRENE	UG/G	: 3.9

SAMPLE NUMBER : 0869253

A34292	BUTYL BENZYL PHTHALATE	UG/G : 3.0
A34531	3,3'-DICHLOROBENZIDINE	UG/G : 1.0K
A34326	BENZO(A)ANTHRACENE	UG/G : 0.5K
A34320	CHRYSENE	UG/G : 4.4
A34100	BIS(2-ETHYLHEXYL)PHTHALATE	UG/G : 23
A34596	DI-N-OCTYLPHTHALATE	UG/G : 2.0
A34230	BENZO(B)FLUORANTHENE	UG/G : 1.3
A34242	BENZO(K)FLUORANTHENE	UG/G : 0.5K
A34247	BENZO(A)PYRENE	UG/G : 1.0
A34403	INDENO(1,2,3-CD)PYRENE	UG/G : 0.5K
A34556	DIBENZO(AH)ANTHRACENE	UG/G : 0.5K
A34321	BENZO(GHI)PERYLENE	UG/G : 0.5K
A34413	CHLOROMETHANE	UG/G : 1.0K
A34413	BROMOMETHANE	UG/G : 1.0K
A34175	VINYL CHLORIDE	UG/G : 1.0K
A34311	CHLOROETHANE	UG/G : 1.0K
A34423	METHYLENE CHLORIDE	UG/G : 0.5K
A31552	ACETONE	UG/G : 1.0K
A34433	TRICHLOROFLUOROMETHANE	UG/G : 4
A77277	BROMOCHLOROMETHANE	UG/G : 0.5K
A77341	CARBON DISULFIDE	UG/G : 0.5K
A34301	1,1-DICHLOROETHYLENE	UG/G : 0.5K
A34496	1,1-DICHLOROETHANE	UG/G : 0.5K
A34346	TRANS-1,2-DICHLOROETHYLENE	UG/G : 0.5K
A77343	CIS-1,2-DICHLOROETHYLENE	UG/G : 0.5K
A32103	CHLOROFORM	UG/G : 0.5K
A34351	1,2-DICHLOROETHANE	UG/G : 0.5K
A31593	2-BUTANONE(MEK)	UG/G : 1.0K
A34306	1,1,1-TRICHLOROETHANE	UG/G : 0.5K
A32102	CARBON TETRACHLORIDE	UG/G : 0.5K
A77357	VINYL ACETATE	UG/G : 1.0K
A32101	DICHLOROBROMOMETHANE	UG/G : 0.5K
A34341	1,2-DICHLOROPROPANE	UG/G : 0.5K
A34704	CIS-1,3-DICHLOROPROPENE	UG/G : 0.5K
A34100	TRICHLOROETHYLENE	UG/G : 0.5K
A32105	CHLORODIBROMOMETHANE	UG/G : 0.5K
A34511	1,1,2-TRICHLOROETHANE	UG/G : 0.5K
A76124	BENZENE	UG/G : 0.5K
A34399	TRANS-1,3-DICHLOROPROPENE	UG/G : 0.5K
A34376	2-CHLOROETHYLVINYL ETHER	UG/G : 0.5K
A32104	BROMOFORM	UG/G : 0.5K
A76133	4-METHYL-2-PENTANONE(MIBK)	UG/G : 1.0K

SAMPLE NUMBER : 005925-

A77103	2-HEXANONE(MBK)	UG/G	: 1.0K
A34475	TETRACHLOROETHYLENE	UG/G	: 0.5K
A34516	1,1,2,2-TETRACHLOROETHANE	UG/G	: 0.5K
A75131	TOLUENE	UG/G	: 0.5K
A34301	CHLOROBENZENE	UG/G	: 0.5K
A76116	ETHYLBENZENE	UG/G	: 0.5K
A77165	STYRENE	UG/G	: 0.5K
A51551	XYLENE	UG/G	: 0.6

: THE FOLLOWING QUANTITATIONS ARE APPROXIMATE

: OTHER METHYL NAPHTHALENES	UG/G	; 0.7
: DIMETHYL NAPHTHALENE	UG/G	; 5.0
: TRIMETHYL NAPHTHALENE	UG/G	; 15
: METHYL PHENANTHRENE	UG/G	; 5.4
: DIMETHYL PHENANTHRENES	UG/G	; 5.3
: ALIPHATIC HYDROCARBONS	UG/G	; 93
: OTHER ORGANIC COMPOUNDS	UG/G	; 12

: *TENTATIVE IDENTIFICATION

L P C S M 0 1 | A

DIVISION OF LAND POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

C806001

REPORT DUE DATE 36 M / D / Y 41

FEDERAL ID NUMBER

SITE INVENTORY NUMBER 1 6 3 0 4 5 0 0 5 6 (9–18)

REGION S CO. St. Clair

E. St. Louis / Lefton Iron & Metal

FACILITY NAME

MONITOR POINT NUMBER X 1 0 2 (19–22) (see Instructions)

DATE COLLECTED 11 / 18 / 88 (23 M / D / Y 25)

IEPA LAB (x or Blank) X (29) (see Instructions)

FOR IEPA USE ONLY

COMPLAINT NO.

DATE RECEIVED 42 M / D / Y 47

SAMPLING PURPOSE CODE 1 (48) (see Instructions)

TIME CARD PROGRAM CODE L P 4 1 (49–52) & UNIT CODE J (53)

BACKGROUND SAMPLE (X) 54

TIME COLLECTED (24 HR CLOCK) 14 : 3 (55 H M)

UNABLE TO COLLECT SAMPLE (see Instructions) 59

MONITOR POINT SAMPLED BY Q (60) (see Instructions) SS trowel OTHER (SPECIFY)

SAMPLE FIELD FILTERED - INORGANICS (X) 61 ORGANICS (X)

SAMPLE APPEARANCE 63 discolored & stained soil 102

COLLECTOR COMMENTS 103 142

SPECIAL INSTRUCTIONS TO LAB EP Tox metals Ba, Cd, Cr, Pb, Hg only
Total metals

COLLECTED BY	INITIALS	DIVISION OR COMPANY	TRANSPORTED BY	DIVISION OR COMPANY
Reeter-Grant	C V R (143–145)	IEPA-DLPC	UPS	

LAB USE ONLY

LAB SAMPLE NO. C806001

LAB NAME AND ADDRESS ~~Environmental Protection Agency~~
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

LAB ID NO. 146 – 149

DATE RECEIVED 11-23-88

TIME RECEIVED 11:45 Am

SAMPLE TEMP OKAY Y (Y/N) SAMPLE PROPERLY PRESERVED Y (Y/N) DATE COMPLETED FORWARD

LAB COMMENTS 150 199

Daugherty
SUPERVISOR SIGNATURE

RECORD CODE L P C S M 0 2 TRANS CODE A (COLUMNS 9-29 FROM ABOVE)

FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL
DEPTH TO WATER (ft. below LS)	7 2 0 1 9 (10–14)	15	16	17	18 – 21	28
ELEVATION OF GW SURFACE (ft. ref MSL)	7 1 9 9 3					
TOTAL WELL DEPTH (ft. below LS)	7 2 0 0 8					
pH (units) - Field	0 0 4 0 0					
SPEC CONDUCTANCE (umhos) - Field	0 0 0 9 4					
TEMP OF WATER SAMPLE (°F) - Field	0 0 0 1 1					
DEPTH TO btm. CASING FROM M.P. (ft.)	7 2 0 3 9					
DEPTH TO WATER FROM M.P. (ft.)	7 2 1 0 9					
ELEVATION btm. CASING, MSL (ft.)	7 2 0 2 0					
M.P. ELEVATION ABOVE L.S. (ft.)	8 2 5 1 5					

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ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

SAMPLE NUMBER : C806001
SAMPLING POINT DESC. : EAST ST. LOUIS/LEFTON IRON & METAL

SUBMITTING SOURCE # : SITE # : 163C450056
DATE COLLECTED : 881118 TIME COLLECTED : 1430 SAMPLING PROGRAM :

COLLECTED BY : CVR DELIVERED BY : LPS
COMMENTS : DISCOLORED & STAINED SOIL
FUNDING CODE : LP41 AGENCY RATING : C UNIT CODE :
SAM TYPE CODE : LPSP SAMPLE PURPOSE CODE : 1 REPORTING INDICATOR :

DATE RECEIVED : 881123 TIME RECEIVED : 1145 RECEIVED BY : LJP
LAB OBSERVATIONS : TRIP BL SAM# :
SUPERVISORS INITIALS : JWO NOTE : K = LESS THAN VALUE

A1000	PH/FINAL TOX EXT	UNITS :	5.1	A1000	PH/INITIAL TOX EX	UNITS :	8.3
A1450	BARIUM/EP TOX	MG/L :	9HH	A1450	BARIUM/SW846 MET	MG/KG :	10[illegible].0
A1460	CADMIUM/EP TOX.	MG/L :	1.045	A1460	CADMIUM/SW846 MET	MG/KG :	13[illegible]
A1470	CHROMIUM/EP TOX.	MG/L :	0.01K	A1470	CHROMIUM/SW846	MG/KG :	200
A1510	LEAD/EP TOXICITY	MG/L :	10.25	A1510	LEAD/SW846 MET.	MG/KG :	2717.5
A1550	MERCURY/EP TOX.	MG/L :	.0005K	A1550	MERCURY/SW846 EQ.	MG/KG :	18.806

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

SAMPLE NUMBER : 0369259
SAMPLING POINT DESC. : E ST LOUIS/LEFTON IRON & METAL X102

SUBMITTING SOURCE # : SITE # : 1630450056
DATE COLLECTED : 881118 TIME COLLECTED : 1430 SAMPLING PROGRAM :

COLLECTED BY : FEET-R/GRANT DELIVERED BY : T M
COMMENTS : VOL AND SEMIVOL ORG SCAN, PCBS, PESTS
FUNDING CODE : LP41 AGENCY ROUTING : -- UNIT CODE :
SAM TYPE CODE : SAMPLE PURPOSE CODE : 1 REPORTING INDICATOR :

DATE RECEIVED : 1122 TIME RECEIVED : 1000 RECEIVED BY : MSM
LAB OBSERVATIONS : DCI SOIL TRIP BL SAM# :
SUPERVISORS INITIALS : JTH NOTE : K = LESS THAN VALUE

A39515	TOTAL PCBS	UG/G	: 53
A39305	ALDRIN	UG/G	: .25K
A39320	DIELDRIN	UG/G	: .25K
A39359	TOTAL DDT	UG/G	: 2K
A39326	O,P'-DDE	UG/G	: .5K
A39321	P,P'-DDE	UG/G	: .5K
A39315	O,P'-DDD	UG/G	: .5K
A39311	P,P'-DDD	UG/G	: .5K
A39305	O,P'-DDT	UG/G	: .5K
A39301	P,P'-DDT	UG/G	: .5K
A39351	TOTAL CHLORDANE	UG/G	: 1K
A39364	CHLORDANE,CIS ISOMER	UG/G	: .5K
A39367	CHLORDANE,TRANS ISOMER	UG/G	: .5K
A39390	ENDRIN	UG/G	: .5K
A39421	METHOXYCHLOR	UG/G	: .5K
A39375	ALPHA-BHC	UG/G	: .25K
A39340	GAMMA-BHC (LINDANE)	UG/G	: .25K
A39701	HEXACHLOROBENZENE	UG/G	: .25K
A39413	HEPTACHLOR	UG/G	: .25K
A39415	HEPTACHLOR EPOXIDE	UG/G	: .25K
A34694	PHENOL	UG/G	: 0.5K
A34273	BIS(2-CHLOROETHYL)ETHER	UG/G	: 0.5K
A34355	2-CHLOROPHENOL	UG/G	: 0.5K
A34566	1,3-DICHLOROBENZENE	UG/G	: 0.5K
A34571	1,4-DICHLOROBENZENE	UG/G	: 0.5K
A77147	BENZYL ALCOHOL	UG/G	: 0.5K
A34336	1,2-DICHLOROBENZENE	UG/G	: 0.5K
A00600	2-METHYLPHENOL	UG/G	: 0.5K
A34285	BIS(2-CHLOROISOPROPYL)ETHER	UG/G	: 0.5K

RECEIVED
DEC 22 1988
IEPA/DLPC

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SAMPLE NUMBER : [illegible]

A00000	4-METHYLPHENOL	UG/G	: 0.5K
A34425	N-NITROSO-DI-N-PROPYLAMINE	UG/G	: 0.5K
A34395	HEXACHLOROETHANE	UG/G	: 0.5K
A34447	NITROBENZENE	UG/G	: 0.5K
A34400	ISOPHORONE	UG/G	: 0.5K
A34391	2-NITROPHENOL	UG/G	: 0.5K
A34000	2,4-DIMETHYLPHENOL	UG/G	: 0.5K
A77247	BENZOIC ACID	UG/G	: 5.0K
A34275	BIS(2-CHLOROETHOXY)METHANE	UG/G	: 0.5K
A34001	2,4-DICHLOROPHENOL	UG/G	: 0.5K
A34351	1,2,4-TRICHLOROBENZENE	UG/G	: 0.5K
A34370	NAPHTHALENE	UG/G	: 0.5K
A00000	4-CHLOROANILINE	UG/G	: 0.5K
A34391	HEXACHLOROBUTADIENE	UG/G	: 0.5K
A34452	4-CHLORO-3-METHYLPHENOL	UG/G	: 0.5K
A77410	2-METHYLNAPHTHALENE	UG/G	: 0.6
A34380	HEXACHLOROCYCLOPENTADIENE	UG/G	: 0.5K
A34001	2,4,6-TRICHLOROPHENOL	UG/G	: 0.5K
A77537	2,4,5-TRICHLOROPHENOL	UG/G	: 0.5K
A34301	2-CHLORONAPHTHALENE	UG/G	: 0.5K
A00000	2-NITROANILINE	UG/G	: 1.0K
A34341	DIMETHYLPHTHALATE	UG/G	: 0.5K
A34200	ACENAPHTHYLENE	UG/G	: 0.5K
A34326	2,6-DINITROTOLUENE	UG/G	: 0.5K
A75000	3-NITROANILINE	UG/G	: 1.0K
A34200	ACENAPHTHENE	UG/G	: 0.5K
A34010	2,4-DINITROPHENOL	UG/G	: 1.0K
A34340	4-NITROPHENOL	UG/G	: 1.0K
A 1302	DIBENZOFURAN	UG/G	: 0.5K
A34311	2,4-DINITROTOLUENE	UG/G	: 0.5K
A34300	DIETHYLPHTHALATE	UG/G	: 0.5K
A34341	4-CHLOROPHENYL PHENYL ETHER	UG/G	: 0.5K
A34301	FLUORENE	UG/G	: 0.5K
A00000	4-NITROANILINE	UG/G	: 1.0K
A00000	4,6-DINITRO-2-METHYLPHENOL	UG/G	: 1.0K
A34300	4-BROMOPHENYL PHENYL ETHER	UG/G	: 0.5K
A39700	HEXACHLOROBENZENE	UG/G	: 0.5K
A39002	PENTACHLOROPHENOL	UG/G	: 1.0K
A34401	PHENANTHRENE	UG/G	: 2.4
A34220	ANTHRACENE	UG/G	: 0.5K
A39110	DI-N-BUTYLPHTHALATE	UG/G	: 0.8
A34370	FLUORANTHENE	UG/G	: 2.5
A34460	PYRENE	UG/G	: 3.4

SAMPLE NUMBER : 0869359

A34292	BUTYL BENZYL PHTHALATE	UG/G : 2.5
A34551	3,3'-DICHLOROBENZIDINE	UG/G : 1.0K
A34526	BENZO(A)ANTHRACENE	UG/G : 0.5K
A34525	CHRYSENE	UG/G : 4.0
A37100	BIS(2-ETHYLHEXYL)PHTHALATE	UG/G : 25
A34296	DI-N-BUTYLPHTHALATE	UG/G : 1.9
A34250	BENZO(B)FLUORANTHENE	UG/G : 1.3
A34249	BENZO(K)FLUORANTHENE	UG/G : 0.5K
A34247	BENZO(A)PYRENE	UG/G : 1.2
A34403	INDENO(1,2,3-CD)PYRENE	UG/G : 0.5K
A34553	DIBENZO(AH)ANTHRACENE	UG/G : 0.5K
A34521	BENZO(GHI)PERYLENE	UG/G : 0.5K
A34419	CHLOROMETHANE	UG/G : 1.0K
A34419	BROMOMETHANE	UG/G : 1.0K
A37175	VINYL CHLORIDE	UG/G : 1.0K
A34311	CHLOROETHANE	UG/G : 1.0K
A34423	METHYLENE CHLORIDE	UG/G : 0.5K
A31552	ACETONE	UG/G : 5
A34488	TRICHLOROFLUOROMETHANE	UG/G : 1
A77277	BROMOCHLOROMETHANE	UG/G : 0.5K
A77341	CARBON DISULFIDE	UG/G : 0.5K
A34301	1,1-DICHLOROETHYLENE	UG/G : 0.5K
A34496	1,1-DICHLOROETHANE	UG/G : 0.5K
A34340	TRANS-1,2-DICHLOROETHYLENE	UG/G : 0.5K
A77393	CIS-1,2-DICHLOROETHYLENE	UG/G : 0.5K
A32106	CHLOROFORM	UG/G : 0.5K
A34331	1,2-DICHLOROETHANE	UG/G : 0.5K
A31396	2-BUTANONE(MEK)	UG/G : 1.0K
A34306	1,1,1-TRICHLOROETHANE	UG/G : 0.5K
A32102	CARBON TETRACHLORIDE	UG/G : 0.5K
A77357	VINYL ACETATE	UG/G : 1.0K
A32101	DICHLOROBROMOMETHANE	UG/G : 0.5K
A34341	1,2-DICHLOROPROPANE	UG/G : 0.5K
A34704	CIS-1,3-DICHLOROPROPENE	UG/G : 0.5K
A37100	TRICHLOROETHYLENE	UG/G : 0.5K
A32105	CHLORODIBROMOMETHANE	UG/G : 0.5K
A34311	1,1,2-TRICHLOROETHANE	UG/G : 0.5K
A76124	BENZENE	UG/G : 0.5K
A34399	TRANS-1,3-DICHLOROPROPENE	UG/G : 0.5K
A34376	2-CHLOROETHYLVINYL ETHER	UG/G : 0.5K
A32104	BROMOFORM	UG/G : 0.5K
A76133	4-METHYL-2-PENTANONE(MIBK)	UG/G : 1.0K

SAMPLE NUMBER : 0869259

A77100	2-HEXANONE(MBK)	UG/G	: 1.0K
A34475	TETRACHLOROETHYLENE	UG/G	: 0.5K
A34516	1,1,2,2-TETRACHLOROETHANE	UG/G	: 0.5K
A76131	TOLUENE	UG/G	: 0.5K
A34301	CHLOROBENZENE	UG/G	: 0.5K
A76113	ETHYLBENZENE	UG/G	: 0.5K
A77120	STYRENE	UG/G	: 0.5K
A81551	XYLENE	UG/G	: 2

: THE FOLLOWING QUANTITATIONS ARE APPROXIMATE

: OTHER METHYL NAPHTHALENES	UG/G	; 0.7
: DIMETHYL NAPHTHALENES	UG/G	; 2.1
: TRIMETHYL NAPHTHALENES	UG/G	; 5.8
: ALIPHATIC HYDROCARBONS	UG/G	; 13
: OTHER ORGANIC COMPOUNDS	UG/G	; 8

L P C S M 0 1 | A

DIVISION OF LAND POLLUTION CONTROL

CHEMICAL ANALYSIS FORM

Page 1 of ___

C806002

REPORT DUE DATE 36 M / D / Y 41

FEDERAL ID NUMBER

SITE INVENTORY NUMBER 1 6 3 0 4 5 0 0 5 6 (9–18)

REGION S CO. St. Clair

E. St. Louis / Leffin Iron & Metal

FACILITY NAME

MONITOR POINT NUMBER X 1 0 3 (19–22) (see Instructions)

DATE COLLECTED 1 1 / 1 8 / 8 8 (23 M / D / Y 25)

IEPA LAB (x or Blank) X (29) (see Instructions)

FOR IEPA USE ONLY

COMPLAINT NO.

DATE RECEIVED 42 M / D / Y 47

SAMPLING PURPOSE CODE 1 (48) (see Instructions)

TIME CARD PROGRAM CODE L P 4 1 (49–52) & UNIT CODE J (53)

BACKGROUND SAMPLE (X) 54

TIME COLLECTED (24 HR CLOCK) 14 : 3 (55 H M)

UNABLE TO COLLECT SAMPLE (see Instructions) 59

MONITOR POINT SAMPLED BY Q (60) (see Instructions) SS trowel OTHER (SPECIFY)

SAMPLE FIELD FILTERED - INORGANICS (X) 61 ORGANICS (X)

SAMPLE APPEARANCE 63 discolored & stained soil 102

COLLECTOR COMMENTS 103 142

SPECIAL INSTRUCTIONS TO LAB EP-Tox metals Ba, Cd, Cr, Pb, Hg only Total Metals

COLLECTED BY	INITIALS	DIVISION OR COMPANY	TRANSPORTED BY	DIVISION OR COMPANY
Reeter-Grant	CVR (143–145)	IEPA-DLPC	UPS	

LAB USE ONLY

LAB SAMPLE NO. C806002 LAB NAME Environmental Protection Agency LAB ID NO. 146 149

DATE RECEIVED 11-23-88 AND ADDRESS Division of Laboratory Services

TIME RECEIVED 11:45 AM AJ Banks 2121 W. Taylor Street Chicago, Illinois 60612 JAN 13 1989

SAMPLE TEMP OKAY Y (Y/N) SAMPLE PROPERLY PRESERVED Y (Y/N) DATE COMPLETED ___ FORWARD ___

LAB COMMENTS 150 199

J Daugherty

SUPERVISOR SIGNATURE

RECORD CODE L P C S M 0 2 TRANS CODE A (COLUMNS 9-29 FROM ABOVE)

FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORT LEVEL
DEPTH TO WATER (ft. below LS)	7 2 0 1 9 (10–14)	(15)	(16)	(17)	(18–22)	(48)
ELEVATION OF GW SURFACE (ft. ref MSL)	7 1 9 9 3					
TOTAL WELL DEPTH (ft. below LS)	7 2 0 0 8					
pH (units) - Field	0 0 4 0 0					
SPEC CONDUCTANCE (umhos) - Field	0 0 0 9 4					
TEMP OF WATER SAMPLE (°F) - Field	0 0 0 1 1					
DEPTH TO btm. CASING FROM M.P. (ft.)	7 2 0 3 9					
DEPTH TO WATER FROM M.P. (ft.)	7 2 1 0 9					
ELEVATION btm. CASING, MSL (ft.)	7 2 0 2 0					
M.P. ELEVATION ABOVE L.S. (ft.)	8 2 5 1 5					

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This Agency is authorized to require this information under Illinois Revised Statutes 1979 Chapter 111 1/2 Section 1004 and 1021. Disclosure of this information is required. Failure to do so may result in a civil penalty up to $25.00 [illegible] $1,000.00 [illegible] This form has been approved by the Forms Management Center.

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

SAMPLE NUMBER : C806002
SAMPLING POINT DESC. : EAST ST. LOUIS/LEFTON IRON & METAL

SUBMITTING SOURCE # : SITE # : 163C450056
DATE COLLECTED : 881118 TIME COLLECTED : 1438 SAMPLING PROGRAM :

COLLECTED BY : CVR DELIVERED BY : UPS
COMMENTS : DISCOLORED & STAINED SOIL
FUNDING CODE : LP41 AGENCY ROUTING : 00 UNIT CODE :
SAM TYPE CODE : LPSP SAMPLE PURPOSE CODE : 1 REPORTING INDICATOR :

DATE RECEIVED : 881123 TIME RECEIVED : 1145 RECEIVED BY : LJP
LAB OBSERVATIONS : TRIP BL SAM# :
SUPERVISORS INITIALS : JWD NOTE : K = LESS THAN VALUE

A1000	PH/FINAL TOX EXT	UNITS :	5.1	A1000	PH/INITIAL TOX EX	UNITS :	8.2
A1450	BARIUM/EP TOX	MG/L :	1.6	A1450	BARIUM/SW846 MET	MG/KG :	900.0
A1460	CADMIUM/EP TOX.	MG/L :	0.251	A1460	CADMIUM/SW846 MET	MG/KG :	81[illegible]
A1470	CHROMIUM/EP TOX.	MG/L :	0.01K	A1470	CHROMIUM/SW846	MG/KG :	540
A1510	LEAD/EP TOXICITY	MG/L :	0.704	A1510	LEAD/SW846 MET.	MG/KG :	3987.5
A1550	MERCURY/EP TOX.	MG/L :	.0005K	A1550	MERCURY/SW846 EQ.	MG/KG :	17.719

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

SAMPLE NUMBER : D369260
SAMPLING POINT DESC. : E ST LOUIS/LEFTON IRON & METAL X103

SUBMITTING SOURCE # : SITE # : 1630450056
DATE COLLECTED : 881118 TIME COLLECTED : 1433 SAMPLING PROGRAM :

COLLECTED BY : REETER/GRANT DELIVERED BY : T M
COMMENTS : VOL AND SEMIVOL ORG SCAN, PCBS, PESTS
FUNDING CODE : EP41 AGENCY ROUTING : -- UNIT CODE :
SAM TYPE CODE : SAMPLE PURPOSE CODE : 1 REPORTING INDICATOR :

DATE RECEIVED : 881122 TIME RECEIVED : 1000 RECEIVED BY : MSM
LAB OBSERVATIONS : VOL SOIL TRIP BL SAM# :
SUPERVISORS INITIALS : JTH NOTE : K = LESS THAN VALUE

A39515	TOTAL PCBS	UG/G	: 81
A39555	ALDRIN	UG/G	: .25K
A39555	DIELDRIN	UG/G	: .25K
A39557	TOTAL DDT	UG/G	: 2K
A39525	O,P'-DDE	UG/G	: .5K
A39521	P,P'-DDE	UG/G	: .5K
A39515	O,P'-DDD	UG/G	: .5K
A39511	P,P'-DDD	UG/G	: .5K
A39506	O,P'-DDT	UG/G	: .5K
A39501	P,P'-DDT	UG/G	: .5K
A39551	TOTAL CHLORDANE	UG/G	: 1K
A39504	CHLORDANE,CIS ISOMER	UG/G	: .5K
A39507	CHLORDANE,TRANS ISOMER	UG/G	: .5K
A39545	ENDRIN	UG/G	: .5K
A39481	METHOXYCHLOR	UG/G	: .5K
A39575	ALPHA-BHC	UG/G	: .25K
A39545	GAMMA-BHC (LINDANE)	UG/G	: .25K
A39701	HEXACHLOROBENZENE	UG/G	: .25K
A39413	HEPTACHLOR	UG/G	: .25K
A39425	HEPTACHLOR EPOXIDE	UG/G	: .25K
A34694	PHENOL	UG/G	: 0.5K
A34275	BIS(2-CHLOROETHYL)ETHER	UG/G	: 0.5K
A34586	2-CHLOROPHENOL	UG/G	: 0.5K
A34566	1,3-DICHLOROBENZENE	UG/G	: 0.5K
A34571	1,4-DICHLOROBENZENE	UG/G	: 0.5K
A77147	BENZYL ALCOHOL	UG/G	: 0.5K
A34556	1,2-DICHLOROBENZENE	UG/G	: 0.5K
A00000	2-METHYLPHENOL	UG/G	: 0.5K
A34285	BIS(2-CHLOROISOPROPYL)ETHER	UG/G	: 0.5K

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SAMPLE NUMBER : [illegible]

A00000	4-METHYLPHENOL	UG/G : 0.5K
A34425	N-NITROSO-DI-N-PROPYLAMINE	UG/G : 0.5K
A34595	HEXACHLOROETHANE	UG/G : 0.5K
A34447	NITROBENZENE	UG/G : 0.5K
A34405	ISOPHORONE	UG/G : 0.5K
A34591	2-NITROPHENOL	UG/G : 0.5K
A34505	2,4-DIMETHYLPHENOL	UG/G : 0.5K
A77247	BENZOIC ACID	UG/G : 5.0K
A34275	BIS(2-CHLOROETHOXY)METHANE	UG/G : 0.5K
A34501	2,4-DICHLOROPHENOL	UG/G : 0.5K
A34551	1,2,4-TRICHLOROBENZENE	UG/G : 0.5K
A34595	NAPHTHALENE	UG/G : 0.5K
A00000	4-CHLOROANILINE	UG/G : 0.5K
A34591	HEXACHLOROBUTADIENE	UG/G : 0.5K
A34452	4-CHLORO-3-METHYLPHENOL	UG/G : 0.5K
A77415	2-METHYLNAPHTHALENE	UG/G : 1.1
A34585	HEXACHLOROCYCLOPENTADIENE	UG/G : 0.5K
A34521	2,4,5-TRICHLOROPHENOL	UG/G : 0.5K
A77557	2,4,5-TRICHLOROPHENOL	UG/G : 0.5K
A34581	2-CHLORONAPHTHALENE	UG/G : 0.5K
A00000	2-NITROANILINE	UG/G : 1.0K
A34541	DIMETHYLPHTHALATE	UG/G : 0.5K
A34200	ACENAPHTHYLENE	UG/G : 0.5K
A34525	2,6-DINITROTOLUENE	UG/G : 0.5K
A76500	3-NITROANILINE	UG/G : 1.0K
A34205	ACENAPHTHENE	UG/G : 0.5K
A34515	2,4-DINITROPHENOL	UG/G : 1.0K
A34545	4-NITROPHENOL	UG/G : 1.0K
A31302	DIBENZOFURAN	UG/G : 0.5K
A34511	2,4-DINITROTOLUENE	UG/G : 0.5K
A34555	DIETHYLPHTHALATE	UG/G : 0.5K
A34541	4-CHLOROPHENYL PHENYL ETHER	UG/G : 0.5K
A34581	FLUORENE	UG/G : 0.5
A00000	4-NITROANILINE	UG/G : 1.0K
A00000	4,6-DINITRO-2-METHYLPHENOL	UG/G : 1.0K
A34605	4-BROMOPHENYL PHENYL ETHER	UG/G : 0.5K
A39700	HEXACHLOROBENZENE	UG/G : 0.5K
A39032	PENTACHLOROPHENOL	UG/G : 1.0K
A34451	PHENANTHRENE	UG/G : 2.9
A34220	ANTHRACENE	UG/G : 0.5K
A39110	DI-N-BUTYLPHTHALATE	UG/G : 0.9
A34375	FLUORANTHENE	UG/G : 2.9
A34459	PYRENE	UG/G : 3.8

SAMPLE NUMBER : 355920

A34292	BUTYL BENZYL PHTHALATE	UG/G	: 2.4
A34331	3,3'-DICHLOROBENZIDINE	UG/G	: 1.0K
A34320	BENZO(A)ANTHRACENE	UG/G	: 0.5K
A34320	CHRYSENE	UG/G	: 4.6
A39100	BIS(2-ETHYLHEXYL)PHTHALATE	UG/G	: 21
A34340	DI-N-OCTYL-PHTHALATE	UG/G	: 1.9
A34330	BENZO(B)FLUORANTHENE	UG/G	: 1.5
A34342	BENZO(K)FLUORANTHENE	UG/G	: 0.5K
A34347	BENZO(A)PYRENE	UG/G	: 1.2
A34400	INDENO(1,2,3-CD)PYRENE	UG/G	: 0.5K
A34300	DIBENZO(AH)ANTHRACENE	UG/G	: 0.5K
A34321	BENZO(GHI)PERYLENE	UG/G	: 0.5K
A34410	CHLOROMETHANE	UG/G	: 1.0K
A34413	BROMOMETHANE	UG/G	: 1.0K
A39173	VINYL CHLORIDE	UG/G	: 1.0K
A34311	CHLOROETHANE	UG/G	: 1.0K
A34423	METHYLENE CHLORIDE	UG/G	: 0.5K
A81351	ACETONE	UG/G	: 2
A34433	TRICHLOROFLUOROMETHANE	UG/G	: 1
A77277	BROMOCHLOROMETHANE	UG/G	: 0.5K
A77341	CARBON DISULFIDE	UG/G	: 0.5K
A34301	1,1-DICHLOROETHYLENE	UG/G	: 0.5K
A34496	1,1-DICHLOROETHANE	UG/G	: 0.5K
A34345	TRANS-1,2-DICHLOROETHYLENE	UG/G	: 0.5K
A77343	CIS-1,2-DICHLOROETHYLENE	UG/G	: 0.5K
A32106	CHLOROFORM	UG/G	: 0.5K
A34331	1,2-DICHLOROETHANE	UG/G	: 0.5K
A81393	2-BUTANONE(MEK)	UG/G	: 1.0K
A34300	1,1,1-TRICHLOROETHANE	UG/G	: 0.5K
A32102	CARBON TETRACHLORIDE	UG/G	: 0.5K
A77337	VINYL ACETATE	UG/G	: 1.0K
A32101	DICHLOROBROMOMETHANE	UG/G	: 0.5K
A34341	1,2-DICHLOROPROPANE	UG/G	: 0.5K
A34704	CIS-1,3-DICHLOROPROPENE	UG/G	: 0.5K
A39100	TRICHLOROETHYLENE	UG/G	: 0.5K
A32103	CHLORODIBROMOMETHANE	UG/G	: 0.5K
A34311	1,1,2-TRICHLOROETHANE	UG/G	: 0.5K
A78124	BENZENE	UG/G	: 0.5K
A34399	TRANS-1,3-DICHLOROPROPENE	UG/G	: 0.5K
A34370	2-CHLOROETHYLVINYL ETHER	UG/G	: 0.5K
A32104	BROMOFORM	UG/G	: 0.5K
A78100	4-METHYL-2-PENTANONE(MIBK)	UG/G	: 1.0K

SAMPLE NUMBER : D559260

A77103	2-HEXANONE(MBK)	UG/G : 1.0K
A34475	TETRACHLOROETHYLENE	UG/G : 0.5K
A34516	1,1,2,2-TETRACHLOROETHANE	UG/G : 0.5K
A78131	TOLUENE	UG/G : 0.5K
A34301	CHLOROBENZENE	UG/G : 0.5K
A78113	ETHYLBENZENE	UG/G : 0.5K
A77123	STYRENE	UG/G : 0.5K
A81551	XYLENE	UG/G : 0.5K

: THE FOLLOWING QUANTITATIONS ARE APPROXIMATE

: OTHER METHYL NAPHTHALENES	UG/G ; 0.8
: DIMETHYL NAPHTHALENE	UG/G ; 4.4
: TRIMETHYL NAPHTHALENE	UG/G ; 11
: METHYL PHENANTHRENE#	UG/G ; 1.7
: DIMETHYL PHENANTHRENE#	UG/G ; 1.5
: ALIPHATIC HYDROCARBONS	UG/G ; 69
: OTHER ORGANIC COMPOUNDS	UG/G ; 11

: #TENTATIVE IDENTIFICATION

L P C S M 0 1 | A

DIVISION OF LAND POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

C806003

REPORT DUE DATE 36 M __ / D __ / Y 41

FEDERAL ID NUMBER

SITE INVENTORY NUMBER 1630450056 (9–18)

REGION S CO. St. Clair

E. St. Louis / Laffoin Iron & Metal

FACILITY NAME

MONITOR POINT NUMBER X104 (19–22) (see Instructions)

DATE COLLECTED 11 / 18 / 88 (23 M / D / Y 25)

IEPA LAB (x or Blank) X (29) (see Instructions)

FOR IEPA USE ONLY

COMPLAINT NO.

DATE RECEIVED 42 M __ / D __ / Y 47

SAMPLING PURPOSE CODE 1 (48) (see Instructions)

TIME CARD PROGRAM CODE CP41 (49–52) & UNIT CODE J (53)

BACKGROUND SAMPLE (X) 54

TIME COLLECTED (24 HR CLOCK) 16:30 (55 H M)

UNABLE TO COLLECT SAMPLE (see Instructions) 59

MONITOR POINT SAMPLED BY Q (60) SS Spoon OTHER (SPECIFY)

SAMPLE FIELD FILTERED - INORGANICS (X) 61 ORGANICS (X) 6

SAMPLE APPEARANCE 63 discolored & stained soil 102

COLLECTOR COMMENTS 103 142

SPECIAL INSTRUCTIONS TO LAB EP-tox metals Ba, Cd, Cr, Pb, Hg only
Total metals

COLLECTED BY	INITIALS	DIVISION OR COMPANY	TRANSPORTED BY	DIVISION OR COMPANY
Reeter-McCarthy	CVR	IEPA-DLPC	UPS	

LAB USE ONLY

LAB SAMPLE NO. C806003 LAB NAME AND ADDRESS Environmental Protection Agency, Division of Laboratory Services, 2121 W. Taylor Street, Chicago, Illinois 60612

LAB ID NO. 146 – 149

DATE RECEIVED 11-23-88

TIME RECEIVED 11:45 AM

SAMPLE TEMP OKAY Y (Y/N) SAMPLE PROPERLY PRESERVED Y (Y/N) DATE COMPLETED FORWARD

LAB COMMENTS 150 199

J Daugherty
SUPERVISOR SIGNATURE

RECORD CODE L P C S M 0 2 TRANS CODE A (COLUMNS 9-29 FROM ABOVE)

FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL
DEPTH TO WATER (ft. below LS)	72019 (10–14)	15	16	17	18	48
ELEVATION OF GW SURFACE (ft. ref MSL)	71993					
TOTAL WELL DEPTH (ft. below LS)	72008					
pH (units) - Field	00400					
SPEC CONDUCTANCE (umhos) - Field	00094					
TEMP OF WATER SAMPLE (°F) - Field	00011					
DEPTH TO btm. CASING FROM M.P. (ft.)	72039					
DEPTH TO WATER FROM M.P. (ft.)	72109					
ELEVATION btm. CASING, MSL (ft.)	72020					
M.P. ELEVATION ABOVE L.S. (ft.)	82515					

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This Agency is authorized to require this information under Illinois Revised Statutes 1979, Chapter 111½, Section 1004 and 1021. Disclosure of this information is required. Failure to do so may result in a civil

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

SAMPLE NUMBER : C806003
SAMPLING POINT DESC. : EAST ST. LOUIS/LEFTON IRON & METAL

SUBMITTING SOURCE # : SITE # : 163C450056
DATE COLLECTED : 881118 TIME COLLECTED : 1630 SAMPLING PROGRAM :

COLLECTED BY : CVR DELIVERED BY : UPS
COMMENTS : DISCOLORED & STAINED SOIL
FUNDING CODE : LP41 AGENCY ROUTING : 00 UNIT CODE :
SAM TYPE CODE : LPSP SAMPLE PURPOSE CODE : 1 REPORTING INDICATOR :

DATE RECEIVED : 881123 TIME RECEIVED : 1145 RECEIVED BY : LJP
LAB OBSERVATIONS : TRIP BL SAM# :
SUPERVISORS INITIALS : JWD NOTE : K = LESS THAN VALUE

A10000 PH/FINAL TOX EXT	UNITS :	4.9	A10000 PH/INITIAL TOX EX	UNITS :	6.3
A14500 BARIUM/EP TOX	MG/L :	1.9	A14500 BARIUM/SW846 MET	MG/KG :	1400.0
A14600 CADMIUM/EP TOX.	MG/L :	0.110	A14600 CADMIUM/SW846 MET	MG/KG :	105.5
A14700 CHROMIUM/EP TOX.	MG/L :	0.01K	A14700 CHROMIUM/SW846	MG/KG :	63[illegible]
A15100 LEAD/EP TOXICITY	MG/L :	0.711	A15100 LEAD/SW846 MET.	MG/KG :	4142.5
A15300 MERCURY/EP TOX.	MG/L :	.00005K	A15300 MERCURY/SW846 EQ.	MG/KG :	16.103

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

SAMPLE NUMBER : 056925
SAMPLING POINT DESC. : E ST LOUIS/LEFTON IRON & METAL X104

SUBMITTING SOURCE # : SITE # : 1630450056
DATE COLLECTED : 881118 TIME COLLECTED : 1530 SAMPLING PROGRAM :

COLLECTED BY : REETER/GRANT DELIVERED BY : T M
COMMENTS : VOC AND SEMIVOL ORG SCAN, PCBS, PESTS
FUNDING CODE : EP-1 AGENCY ROUTING : -- UNIT CODE :
SAM TYPE CODE : SAMPLE PURPOSE CODE : 1 REPORTING INDICATOR :

DATE RECEIVED : 881122 TIME RECEIVED : 1000 RECEIVED BY : MSM
LAB OBSERVATIONS : ACC SOIL TRIP BL SAM# :
SUPERVISORS INITIALS : JTH NOTE : K = LESS THAN VALUE

A59515	TOTAL PCBS	UG/G	: 92
A59555	ALDRIN	UG/G	: .25K
A59565	DIELDRIN	UG/G	: .25K
A59559	TOTAL DDT	UG/G	: 2K
A59565	O,P'-DDE	UG/G	: .5K
A59561	P,P'-DDE	UG/G	: .5K
A59515	O,P'-DDD	UG/G	: .5K
A59511	P,P'-DDD	UG/G	: .5K
A59505	O,P'-DDT	UG/G	: .5K
A59501	P,P'-DDT	UG/G	: .5K
A59551	TOTAL CHLORDANE	UG/G	: 1K
A59564	CHLORDANE,CIS ISOMER	UG/G	: .5K
A59567	CHLORDANE,TRANS ISOMER	UG/G	: .5K
A59595	ENDRIN	UG/G	: .5K
A59481	METHOXYCHLOR	UG/G	: .5K
A59575	ALPHA-BHC	UG/G	: .25K
A59545	GAMMA-BHC (LINDANE)	UG/G	: .25K
A59701	HEXACHLOROBENZENE	UG/G	: .25K
A59415	HEPTACHLOR	UG/G	: .25K
A59425	HEPTACHLOR EPOXIDE	UG/G	: .25K
A54594	PHENOL	UG/G	: 0.5K
A54675	BIS(2-CHLOROETHYL)ETHER	UG/G	: 0.5K
A54555	2-CHLOROPHENOL	UG/G	: 0.5K
A54505	1,3-DICHLOROBENZENE	UG/G	: 0.5K
A54571	1,4-DICHLOROBENZENE	UG/G	: 0.5K
A77147	BENZYL ALCOHOL	UG/G	: 0.5K
A54550	1,2-DICHLOROBENZENE	UG/G	: 0.5K
A50505	2-METHYLPHENOL	UG/G	: 0.5K
A54265	BIS(2-CHLOROISOPROPYL)ETHER	UG/G	: 0.5K

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SAMPLE NUMBER : 0859261

A00300	4-METHYLPHENOL	UG/G : 0.5K
A34420	N-NITROSO-DI-N-PROPYLAMINE	UG/G : 0.5K
A34391	HEXACHLOROETHANE	UG/G : 0.5K
A34447	NITROBENZENE	UG/G : 0.5K
A34400	ISOPHORONE	UG/G : 0.5K
A34591	2-NITROPHENOL	UG/G : 0.5K
A34300	2,4-DIMETHYLPHENOL	UG/G : 0.5K
A77247	BENZOIC ACID	UG/G : 5.0K
A34270	BIS(2-CHLOROETHOXY)METHANE	UG/G : 0.5K
A34301	2,4-DICHLOROPHENOL	UG/G : 0.5K
A34351	1,2,4-TRICHLOROBENZENE	UG/G : 0.5K
A34696	NAPHTHALENE	UG/G : 22
A00300	4-CHLOROANILINE	UG/G : 0.5K
A34391	HEXACHLOROBUTADIENE	UG/G : 0.5K
A34452	4-CHLORO-3-METHYLPHENOL	UG/G : 0.5K
A77410	2-METHYLNAPHTHALENE	UG/G : 51
A34300	HEXACHLOROCYCLOPENTADIENE	UG/G : 0.5K
A34521	2,4,6-TRICHLOROPHENOL	UG/G : 0.5K
A77307	2,4,5-TRICHLOROPHENOL	UG/G : 0.5K
A34301	2-CHLORONAPHTHALENE	UG/G : 0.5K
A00300	2-NITROANILINE	UG/G : 1.0K
A34341	DIMETHYLPHTHALATE	UG/G : 0.5K
A34200	ACENAPHTHYLENE	UG/G : 0.5K
A34526	2,6-DINITROTOLUENE	UG/G : 0.5K
A78300	3-NITROANILINE	UG/G : 1.0K
A34200	ACENAPHTHENE	UG/G : 0.5K
A34515	2,4-DINITROPHENOL	UG/G : 1.0K
A34540	4-NITROPHENOL	UG/G : 1.0K
A01302	DIBENZOFURAN	UG/G : 2.9
A34511	2,4-DINITROTOLUENE	UG/G : 0.5K
A34300	DIETHYLPHTHALATE	UG/G : 0.5K
A34341	4-CHLOROPHENYL PHENYL ETHER	UG/G : 0.5K
A34301	FLUORENE	UG/G : 7.8
A00300	4-NITROANILINE	UG/G : 1.0K
A00300	4,6-DINITRO-2-METHYLPHENOL	UG/G : 1.0K
A34300	4-BROMOPHENYL PHENYL ETHER	UG/G : 0.5K
A34700	HEXACHLOROBENZENE	UG/G : 0.5K
A39302	PENTACHLOROPHENOL	UG/G : 1.0K
A34401	PHENANTHRENE	UG/G : 22
A34200	ANTHRACENE	UG/G : 0.5K
A34110	DI-N-BUTYLPHTHALATE	UG/G : 0.5K
A34370	FLUORANTHENE	UG/G : 4.3
A34400	PYRENE	UG/G : 6.5

SAMPLE NUMBER : D669261

A34292	BUTYL BENZYL PHTHALATE	UG/G	: 3.3
A34531	3,3'-DICHLOROBENZIDINE	UG/G	: 1.0K
A34526	BENZO(A)ANTHRACENE	UG/G	: 0.5K
A34526	CHRYSENE	UG/G	: 5.2
A39100	BIS(2-ETHYLHEXYL)PHTHALATE	UG/G	: 27
A34295	DI-N-OCTYLPHTHALATE	UG/G	: 2.8
A34230	BENZO(B)FLUORANTHENE	UG/G	: 1.5
A34242	BENZO(K)FLUORANTHENE	UG/G	: 0.5K
A34247	BENZO(A)PYRENE	UG/G	: 1.2
A34403	INDENO(1,2,3-CD)PYRENE	UG/G	: 0.5K
A34330	DIBENZO(AH)ANTHRACENE	UG/G	: 0.5K
A34321	BENZO(GHI)PERYLENE	UG/G	: 0.5K
A34413	CHLOROMETHANE	UG/G	: 1.0K
A34413	BROMOMETHANE	UG/G	: 1.0K
A39173	VINYL CHLORIDE	UG/G	: 1.0K
A34311	CHLOROETHANE	UG/G	: 1.0K
A34423	METHYLENE CHLORIDE	UG/G	: 0.5K
A31332	ACETONE	UG/G	: 1.0K
A34433	TRICHLOROFLUOROMETHANE	UG/G	: 0.5K
A77277	BROMODICHLOROMETHANE	UG/G	: 0.5K
A77341	CARBON DISULFIDE	UG/G	: 0.5K
A34301	1,1-DICHLOROETHYLENE	UG/G	: 0.5K
A34423	1,1-DICHLOROETHANE	UG/G	: 0.5K
A34343	TRANS-1,2-DICHLOROETHYLENE	UG/G	: 0.5K
A77343	CIS-1,2-DICHLOROETHYLENE	UG/G	: 0.5K
A32103	CHLOROFORM	UG/G	: 0.5K
A34331	1,2-DICHLOROETHANE	UG/G	: 0.5K
A31393	2-BUTANONE(MEK)	UG/G	: 1.0K
A34306	1,1,1-TRICHLOROETHANE	UG/G	: 0.5K
A32102	CARBON TETRACHLORIDE	UG/G	: 0.5K
A77357	VINYL ACETATE	UG/G	: 1.0K
A32101	DICHLOROBROMOMETHANE	UG/G	: 0.5K
A34341	1,2-DICHLOROPROPANE	UG/G	: 0.5K
A34704	CIS-1,3-DICHLOROPROPENE	UG/G	: 0.5K
A39130	TRICHLOROETHYLENE	UG/G	: 0.5K
A32103	CHLORODIBROMOMETHANE	UG/G	: 0.5K
A34311	1,1,2-TRICHLOROETHANE	UG/G	: 0.5K
A78124	BENZENE	UG/G	: 0.5K
A34399	TRANS-1,3-DICHLOROPROPENE	UG/G	: 0.5K
A34375	2-CHLOROETHYLVINYL ETHER	UG/G	: 0.5K
A32104	BROMOFORM	UG/G	: 0.5K
A78133	4-METHYL-2-PENTANONE(MIBK)	UG/G	: 1.0K

SAMPLE NUMBER : 0009261

A77105	2-HEXANONE(MBK)	UG/G	: 1.0K
A34475	TETRACHLOROETHYLENE	UG/G	: 0.5K
A34315	1,1,2,2-TETRACHLOROETHANE	UG/G	: 0.5K
A78131	TOLUENE	UG/G	: 3
A34311	CHLOROBENZENE	UG/G	: 0.5K
A75115	ETHYLBENZENE	UG/G	: 6
A77125	STYRENE	UG/G	: 0.5K
A31351	XYLENE	UG/G	: 25

: THE FOLLOWING QUANTITATIONS ARE APPROXIMATE

: DI-SUBSTITUTED BENZENES	UG/G	; 40
: TRI-SUBSTITUTED BENZENES	UG/G	; 110
: METHYL INDENE	UG/G	; 10
: DIMETHYL INDENE	UG/G	; 4
: OTHER METHYL NAPHTHALENES	UG/G	; 29
: DIMETHYL NAPHTHALENE	UG/G	; 43
: TRIMETHYL NAPHTHALENE	UG/G	; 47
: METHYL PHENANTHRENE	UG/G	; 6.7
: DIMETHYL PHENANTHRENE	UG/G	; 6.9
: ALIPHATIC HYDROCARBONS	UG/G	; 750
: OTHER ORGANIC COMPOUNDS	UG/G	; 150

: TENTATIVE IDENTIFICATION

RECORD CODE L P C S M 0 1 — TRANS CODE A

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

D0692581 Page 1 of 1

REPORT DUE DATE 36 M / D / Y 41

FEDERAL ID NUMBER N/A

SITE INVENTORY NUMBER 1 6 3 0 4 5 0 0 5 6 (9–18)

REGION S CO. St. Clair

E. St. Louis / Lefton Iron & Metal

FACILITY NAME

MONITOR POINT NUMBER X 1 0 1 (19–22) (see Instructions)

DATE COLLECTED 11 / 18 / 88 (23 M / D / Y 28)

IEPA LAB (x or Blank) X (29) (see Instructions)

FOR IEPA USE ONLY — COMPLAINT NO.

DATE RECEIVED 42 M / D / Y 47

SAMPLING PURPOSE CODE 1 (48) (see Instructions)

TIME CARD PROGRAM CODE L P 4 1 (49–52) & UNIT CODE J (53)

BACKGROUND SAMPLE (X) 54

TIME COLLECTED (24 HR CLOCK) 14 : 25 (55 H M 5)

UNABLE TO COLLECT SAMPLE 59 (see Instructions)

MONITOR POINT SAMPLED BY Q (60) (see Instructions) SS trowel OTHER (SPECIFY)

SAMPLE FIELD FILTERED - INORGANICS (X) 61 ORGANICS (X) 62

SAMPLE APPEARANCE 63 discolored & stained soil 102

COLLECTOR COMMENTS 103 142

SPECIAL INSTRUCTIONS TO LAB volatile & semi-volatile organic scan, PCB's, and Pesticides SW-846

COLLECTED BY	INITIALS	DIVISION OR COMPANY	TRANSPORTED BY	DIVISION OR COMPANY
Reeter Grant	C V R (143–145)	IEPA-DLPC	Tom Miller	IEPA-DLPC

LAB USE ONLY

LAB SAMPLE NO. D069258 LAB NAME Springfield LAB ID NO. 146 149

DATE RECEIVED NOV 22 1988 AND ADDRESS

TIME RECEIVED

SAMPLE TEMP OKAY (Y/N) SAMPLE PROPERLY PRESERVED (Y/N) DATE COMPLETED FORWARD 12-2-88

LAB COMMENTS 150 199

J. Hurley

SUPERVISOR SIGNATURE

RECORD CODE L P C S M 0 2 — TRANS CODE A (COLUMNS 9-29 FROM ABOVE) D069258

FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
* DEPTH TO WATER (ft. below LS)	7 2 0 1 9 (30–34)	35	36	37	38 . 41	48	49
ELEVATION OF GW SURFACE (ft. ref MSL)	7 1 9 9 3				.		
TOTAL WELL DEPTH (ft. below LS)	7 2 0 0 8				.		
pH (units) - Field	0 0 4 0 0				.		
SPEC CONDUCTANCE (umhos) - Field	0 0 0 9 4				.		
TEMP OF WATER SAMPLE (°F) - Field	0 0 0 1 1				.		
DEPTH TO btm. CASING FROM M.P. (ft.)	7 2 0 3 9				.		
DEPTH TO WATER FROM M.P. (ft.)	7 2 1 0 9				.		
ELEVATION btm. CASING, MSL (ft.)	7 2 0 2 0				.		
M.P. ELEVATION ABOVE L.S. (ft.)	8 2 5 1 5				.		

This Agency is authorized to require this information under Illinois Revised Statutes 1979 Chapter 111 1/2 Section 1004 and 1021. Disclosure of this information is required. Failure to do so may result in a civil penalty up to $25,000 for each day the failure continues, a fine up to $1,000.00 and imprisonment up to one year. This form has been approved by the Forms Management Center.

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

SAMPLE NUMBER : D869258
SAMPLING POINT DESC. : E ST LOUIS/LEFTON IRON & METAL X101

SUBMITTING SOURCE # : SITE # : 1630450056
DATE COLLECTED : 881118 TIME COLLECTED : 1425 SAMPLING PROGRAM :

COLLECTED BY : HELTER/GRANT DELIVERED BY : T M
COMMENTS : VOL AND SEMIVOL ORG SCAN, PCBS,PESTS
FUNDING CODE : CP41 AGENCY ROUTING : -- UNIT CODE :
SAM TYPE CODE : SAMPLE PURPOSE CODE : 1 REPORTING INDICATOR :

DATE RECEIVED : 881122 TIME RECEIVED : 1000 RECEIVED BY : MSM
LAB OBSERVATIONS : POI SOIL TRIP BL SAM# :
SUPERVISORS INITIALS : JTH NOTE : K = LESS THAN VALUE

A39310	TOTAL PCBS	UG/G	: 65
A39333	ALDRIN	UG/G	: .25K
A39363	DIELDRIN	UG/G	: .25K
A39324	TOTAL DDT	UG/G	: 2K
A39326	O,P'-DDE	UG/G	: .5K
A39321	P,P'-DDE	UG/G	: .5K
A39310	O,P'-DDD	UG/G	: .5K
A39311	P,P'-DDD	UG/G	: .5K
A39305	O,P'-DDT	UG/G	: .5K
A39301	P,P'-DDT	UG/G	: .5K
A39351	TOTAL CHLORDANE	UG/G	: 1K
A39304	CHLORDANE,CIS ISOMER	UG/G	: .5K
A39307	CHLORDANE,TRANS ISOMER	UG/G	: .5K
A39390	ENDRIN	UG/G	: .5K
A39481	METHOXYCHLOR	UG/G	: .5K
A39370	ALPHA-BHC	UG/G	: .25K
A39343	GAMMA-BHC (LINDANE)	UG/G	: .25K
A39701	HEXACHLOROBENZENE	UG/G	: .25K
A39410	HEPTACHLOR	UG/G	: .25K
A39420	HEPTACHLOR EPOXIDE	UG/G	: .25K
A34694	PHENOL	UG/G	: 0.5K
A34270	BIS(2-CHLOROETHYL)ETHER	UG/G	: 0.5K
A34330	2-CHLOROPHENOL	UG/G	: 0.5K
A34566	1,3-DICHLOROBENZENE	UG/G	: 0.5K
A34571	1,4-DICHLOROBENZENE	UG/G	: 0.5K
A77147	BENZYL ALCOHOL	UG/G	: 0.5K
A34536	1,2-DICHLOROBENZENE	UG/G	: 0.5K
A00060	2-METHYLPHENOL	UG/G	: 0.5K
A34283	BIS(2-CHLOROISOPROPYL)ETHER	UG/G	: 0.5K

SAMPLE NUMBER : 0869253

A00000	4-METHYLPHENOL	UG/G : 0.5K
A34426	N-NITROSO-DI-N-PROPYLAMINE	UG/G : 0.5K
A34396	HEXACHLOROETHANE	UG/G : 0.5K
A34447	NITROBENZENE	UG/G : 0.5K
A34408	ISOPHORONE	UG/G : 0.5K
A34591	2-NITROPHENOL	UG/G : 0.5K
A34605	2,4-DIMETHYLPHENOL	UG/G : 0.5K
A77247	BENZOIC ACID	UG/G : 5.0K
A34278	BIS(2-CHLOROETHOXY)METHANE	UG/G : 0.5K
A34601	2,4-DICHLOROPHENOL	UG/G : 0.5K
A34551	1,2,4-TRICHLOROBENZENE	UG/G : 0.5K
A34595	NAPHTHALENE	UG/G : 0.5K
A00000	4-CHLOROANILINE	UG/G : 0.5K
A34591	HEXACHLOROBUTADIENE	UG/G : 0.5K
A34452	4-CHLORO-3-METHYLPHENOL	UG/G : 0.5K
A77415	2-METHYLNAPHTHALENE	UG/G : 1.0
A34386	HEXACHLOROCYCLOPENTADIENE	UG/G : 0.5K
A34621	2,4,6-TRICHLOROPHENOL	UG/G : 0.5K
A77687	2,4,5-TRICHLOROPHENOL	UG/G : 0.5K
A34561	2-CHLORONAPHTHALENE	UG/G : 0.5K
A00000	2-NITROANILINE	UG/G : 1.0K
A34341	DIMETHYLPHTHALATE	UG/G : 0.5K
A34200	ACENAPHTHYLENE	UG/G : 0.5K
A34625	2,6-DINITROTOLUENE	UG/G : 0.5K
A78300	3-NITROANILINE	UG/G : 1.0K
A34205	ACENAPHTHENE	UG/G : 0.5K
A34615	2,4-DINITROPHENOL	UG/G : 1.0K
A34645	4-NITROPHENOL	UG/G : 1.0K
A31302	DIBENZOFURAN	UG/G : 0.5K
A34611	2,4-DINITROTOLUENE	UG/G : 0.5K
A34335	DIETHYLPHTHALATE	UG/G : 0.5K
A34641	4-CHLOROPHENYL PHENYL ETHER	UG/G : 0.5K
A34381	FLUORENE	UG/G : 0.8
A00000	4-NITROANILINE	UG/G : 1.0K
A00000	4,6-DINITRO-2-METHYLPHENOL	UG/G : 1.0K
A34636	4-BROMOPHENYL PHENYL ETHER	UG/G : 0.5K
A39700	HEXACHLOROBENZENE	UG/G : 0.5K
A39032	PENTACHLOROPHENOL	UG/G : 1.0K
A34461	PHENANTHRENE	UG/G : 3.4
A34220	ANTHRACENE	UG/G : 0.5K
A39110	DI-N-BUTYLPHTHALATE	UG/G : 1.3
A34376	FLUORANTHENE	UG/G : 3.4
A34469	PYRENE	UG/G : 3.9

SAMPLE NUMBER : 0869253

A34292	BUTYL BENZYL PHTHALATE	UG/G	: 3.0
A34531	3,3'-DICHLOROBENZIDINE	UG/G	: 1.0K
A34526	BENZO(A)ANTHRACENE	UG/G	: 0.5K
A34320	CHRYSENE	UG/G	: 4.4
A37100	BIS(2-ETHYLHEXYL)PHTHALATE	UG/G	: 23
A34396	DI-N-BUTYLPHTHALATE	UG/G	: 2.0
A34230	BENZO(B)FLUORANTHENE	UG/G	: 1.3
A34242	BENZO(K)FLUORANTHENE	UG/G	: 0.5K
A34247	BENZO(A)PYRENE	UG/G	: 1.0
A34403	INDENO(1,2,3-CD)PYRENE	UG/G	: 0.5K
A34556	DIBENZO(AH)ANTHRACENE	UG/G	: 0.5K
A34321	BENZO(GHI)PERYLENE	UG/G	: 0.5K
A34415	CHLOROMETHANE	UG/G	: 1.0K
A34413	BROMOMETHANE	UG/G	: 1.0K
A37175	VINYL CHLORIDE	UG/G	: 1.0K
A34511	CHLOROETHANE	UG/G	: 1.0K
A34423	METHYLENE CHLORIDE	UG/G	: 0.5K
A51552	ACETONE	UG/G	: 1.0K
A34485	TRICHLOROFLUOROMETHANE	UG/G	: 4
A77277	BROMOCHLOROMETHANE	UG/G	: 0.5K
A77041	CARBON DISULFIDE	UG/G	: 0.5K
A34501	1,1-DICHLOROETHYLENE	UG/G	: 0.5K
A34496	1,1-DICHLOROETHANE	UG/G	: 0.5K
A34545	TRANS-1,2-DICHLOROETHYLENE	UG/G	: 0.5K
A77395	CIS-1,2-DICHLOROETHYLENE	UG/G	: 0.5K
A32108	CHLOROFORM	UG/G	: 0.5K
A34531	1,2-DICHLOROETHANE	UG/G	: 0.5K
A51595	2-BUTANONE(MEK)	UG/G	: 1.0K
A34506	1,1,1-TRICHLOROETHANE	UG/G	: 0.5K
A32102	CARBON TETRACHLORIDE	UG/G	: 0.5K
A77057	VINYL ACETATE	UG/G	: 1.0K
A32101	DICHLOROBROMOMETHANE	UG/G	: 0.5K
A34541	1,2-DICHLOROPROPANE	UG/G	: 0.5K
A34704	CIS-1,3-DICHLOROPROPENE	UG/G	: 0.5K
A34150	TRICHLOROETHYLENE	UG/G	: 0.5K
A32105	CHLORODIBROMOMETHANE	UG/G	: 0.5K
A34511	1,1,2-TRICHLOROETHANE	UG/G	: 0.5K
A76124	BENZENE	UG/G	: 0.5K
A34699	TRANS-1,3-DICHLOROPROPENE	UG/G	: 0.5K
A34576	2-CHLOROETHYLVINYL ETHER	UG/G	: 0.5K
A32104	BROMOFORM	UG/G	: 0.5K
A76133	4-METHYL-2-PENTANONE(MIBK)	UG/G	: 1.0K

SAMPLE NUMBER : 0059255

A77103	2-HEXANONE(MBK)	UG/G	: 1.0K
A34475	TETRACHLOROETHYLENE	UG/G	: 0.5K
A34515	1,1,2,2-TETRACHLOROETHANE	UG/G	: 0.5K
A76131	TOLUENE	UG/G	: 0.5K
A34501	CHLOROBENZENE	UG/G	: 0.5K
A76115	ETHYLBENZENE	UG/G	: 0.5K
A77126	STYRENE	UG/G	: 0.5K
A61551	XYLENE	UG/G	: 0.6

: THE FOLLOWING QUANTITATIONS ARE APPROXIMATE

: OTHER METHYL NAPHTHALENES	UG/G	; 0.7
: DIMETHYL NAPHTHALENE	UG/G	; 5.0
: TRIMETHYL NAPHTHALINE	UG/G	; 15
: METHYL PHENANTHRENES	UG/G	; 5.4
: DIMETHYL PHENANTHRENES	UG/G	; 5.3
: ALIPHATIC HYDROCARBONS	UG/G	; 93
: OTHER ORGANIC COMPOUNDS	UG/G	; 12

: TENTATIVE IDENTIFICATION

RECORD CODE L P C S M 0 1 | TRANS CODE A

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

REPORT DUE DATE 36 M __ / __ D __ / __ Y 41

FEDERAL ID NUMBER D069259

SITE INVENTORY NUMBER 1 6 3 0 4 5 0 0 5 6 (9–18)

REGION S CO. St. Clair

E. St. Louis / Lefton Iron & Metal
FACILITY NAME

MONITOR POINT NUMBER (see Instructions) X 1 0 2 (19–22)

DATE COLLECTED 23 M 11 / 18 D / 88 Y 28

IEPA LAB (x or Blank) (see Instructions) X (29)

FOR IEPA USE ONLY

COMPLAINT NO. ____

DATE RECEIVED 42 M __ / __ D __ / __ Y 47

SAMPLING PURPOSE CODE (see Instructions) 1 (48)

TIME CARD PROGRAM CODE 49 L P 4 1 52 & UNIT CODE 53 J

BACKGROUND SAMPLE (X) 54

TIME COLLECTED (24 HR CLOCK) 55 H 14 : 30 M 56

UNABLE TO COLLECT SAMPLE (see Instructions) 59

MONITOR POINT SAMPLED BY (see Instructions) 60 Q SS trowel OTHER (SPECIFY)

SAMPLE FIELD FILTERED - INORGANICS (X) 61 ORGANICS (X)

SAMPLE APPEARANCE 63 discolored & stained soil 102

COLLECTOR COMMENTS 103 142

SPECIAL INSTRUCTIONS TO LAB volatile & semi-volatile organic scan, PCB's, and Pesticides SW-846

COLLECTED BY	INITIALS	DIVISION OR COMPANY	TRANSPORTED BY	DIVISION OR COMPANY
Reeter-Grant	C V R (143, 145)	IEPA-DLPC	Tom Miller	IEPA-DLPC

LAB USE ONLY

LAB SAMPLE NO. D069259 LAB NAME Springfield LAB ID NO. 146

DATE RECEIVED NOV 22 1988 AND ADDRESS

TIME RECEIVED

SAMPLE TEMP OKAY (Y/N) SAMPLE PROPERLY PRESERVED (Y/N) DATE COMPLETED FORWARD 12-2-88

LAB COMMENTS 150 199

J Hurley
SUPERVISOR SIGNATURE

RECORD CODE L P C S M 0 2 | TRANS CODE A (COLUMNS 9-29 FROM ABOVE) D069259

	FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
*	DEPTH TO WATER (ft. below LS)	7 2 0 1 9 (20–24)	15	16	17	18	18	19
	ELEVATION OF GW SURFACE (ft. ref MSL)	7 1 9 9 3						
	TOTAL WELL DEPTH (ft. below LS)	7 2 0 0 8						
	pH (units) - Field	0 0 4 0 0						
	SPEC CONDUCTANCE (umhos) - Field	0 0 0 9 4						
	TEMP OF WATER SAMPLE (°F) - Field	0 0 0 1 1						
	DEPTH TO btm. CASING FROM M.P. (ft.)	7 2 0 3 9						
	DEPTH TO WATER FROM M.P. (ft.)	7 2 1 0 9						
	ELEVATION btm. CASING, MSL (ft.)	7 2 0 2 0						
	M.P. ELEVATION ABOVE L.S. (ft.)	8 2 5 1 5						

This Agency is authorized to require this information under Illinois Revised Statutes 1979, Chapter 111 1/2, Section 1004 and 1021. Disclosure of this information is required. Failure to do so may result in a civil penalty up to $25,000 for each day the failure continues, a fine up to $1,000.00 and imprisonment up to one year. This form has been approved by the Forms Management Center.

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

SAMPLE NUMBER : 0369259
SAMPLING POINT DESC. : E ST LOUIS/LEFTON IRON & METAL X102

SUBMITTING SOURCE # : SITE # : 1630+50056
DATE COLLECTED : 861118 TIME COLLECTED : 1430 SAMPLING PROGRAM :

COLLECTED BY : PEETER/GRANT DELIVERED BY : T M
COMMENTS : VOL AND SEMIVOL ORG SCAN, PCBS, PESTS
FUNDING CODE : CP41 AGENCY ROUTING : -- UNIT CODE :
SAM TYPE CODE : SAMPLE PURPOSE CODE : 1 REPORTING INDICATOR :

DATE RECEIVED : 861122 TIME RECEIVED : 1000 RECEIVED BY : MSM
LAB OBSERVATIONS : SOIL SOIL TRIP BL SAM# :
SUPERVISORS INITIALS : JTH NOTE : K = LESS THAN VALUE

A39310	TOTAL PCBS	UG/G	: 53
A39330	ALDRIN	UG/G	: .25K
A39360	DIELDRIN	UG/G	: .25K
A39369	TOTAL DDT	UG/G	: 2K
A39320	O,P'-DDE	UG/G	: .5K
A39321	P,P'-DDE	UG/G	: .5K
A39310	O,P'-DDD	UG/G	: .5K
A39311	P,P'-DDD	UG/G	: .5K
A39300	O,P'-DDT	UG/G	: .5K
A39301	P,P'-DDT	UG/G	: .5K
A39351	TOTAL CHLORDANE	UG/G	: 1K
A39304	CHLORDANE,CIS ISOMER	UG/G	: .5K
A39307	CHLORDANE,TRANS ISOMER	UG/G	: .5K
A39390	ENDRIN	UG/G	: .5K
A39401	METHOXYCHLOR	UG/G	: .5K
A39370	ALPHA-BHC	UG/G	: .25K
A39340	GAMMA-BHC (LINDANE)	UG/G	: .25K
A39701	HEXACHLOROBENZENE	UG/G	: .25K
A39410	HEPTACHLOR	UG/G	: .25K
A39420	HEPTACHLOR EPOXIDE	UG/G	: .25K
A34694	PHENOL	UG/G	: 0.5K
A34270	BIS(2-CHLOROETHYL)ETHER	UG/G	: 0.5K
A34600	2-CHLOROPHENOL	UG/G	: 0.5K
A34566	1,3-DICHLOROBENZENE	UG/G	: 0.5K
A34571	1,4-DICHLOROBENZENE	UG/G	: 0.5K
A77147	BENZYL ALCOHOL	UG/G	: 0.5K
A34555	1,2-DICHLOROBENZENE	UG/G	: 0.5K
A00000	2-METHYLPHENOL	UG/G	: 0.5K
A34280	BIS(2-CHLOROISOPROPYL)ETHER	UG/G	: 0.5K

SAMPLE NUMBER : 0059259

A00000	4-METHYLPHENOL	UG/G	: 0.5K
A34423	N-NITROSO-DI-N-PROPYLAMINE	UG/G	: 0.5K
A34396	HEXACHLOROETHANE	UG/G	: 0.5K
A34447	NITROBENZENE	UG/G	: 0.5K
A34400	ISOPHORONE	UG/G	: 0.5K
A34371	2-NITROPHENOL	UG/G	: 0.5K
A34000	2,4-DIMETHYLPHENOL	UG/G	: 0.5K
A77247	BENZOIC ACID	UG/G	: 5.0K
A34273	BIS(2-CHLOROETHOXY)METHANE	UG/G	: 0.5K
A34001	2,4-DICHLOROPHENOL	UG/G	: 0.5K
A34351	1,2,4-TRICHLOROBENZENE	UG/G	: 0.5K
A34370	NAPHTHALENE	UG/G	: 0.5K
A00000	4-CHLOROANILINE	UG/G	: 0.5K
A34391	HEXACHLOROBUTADIENE	UG/G	: 0.5K
A34452	4-CHLORO-3-METHYLPHENOL	UG/G	: 0.5K
A77415	2-METHYLNAPHTHALENE	UG/G	: 0.6
A34380	HEXACHLOROCYCLOPENTADIENE	UG/G	: 0.5K
A34321	2,4,6-TRICHLOROPHENOL	UG/G	: 0.5K
A77387	2,4,5-TRICHLOROPHENOL	UG/G	: 0.5K
A34301	2-CHLORONAPHTHALENE	UG/G	: 0.5K
A00000	2-NITROANILINE	UG/G	: 1.0K
A34341	DIMETHYLPHTHALATE	UG/G	: 0.5K
A34200	ACENAPHTHYLENE	UG/G	: 0.5K
A34326	2,6-DINITROTOLUENE	UG/G	: 0.5K
A75000	3-NITROANILINE	UG/G	: 1.0K
A34200	ACENAPHTHENE	UG/G	: 0.5K
A34010	2,4-DINITROPHENOL	UG/G	: 1.0K
A34340	4-NITROPHENOL	UG/G	: 1.0K
A31302	DIBENZOFURAN	UG/G	: 0.5K
A34011	2,4-DINITROTOLUENE	UG/G	: 0.5K
A34355	DIETHYLPHTHALATE	UG/G	: 0.5K
A34341	4-CHLOROPHENYL PHENYL ETHER	UG/G	: 0.5K
A34301	FLUORENE	UG/G	: 0.5K
A00000	4-NITROANILINE	UG/G	: 1.0K
A00000	4,6-DINITRO-2-METHYLPHENOL	UG/G	: 1.0K
A34330	4-BROMOPHENYL PHENYL ETHER	UG/G	: 0.5K
A37700	HEXACHLOROBENZENE	UG/G	: 0.5K
A39032	PENTACHLOROPHENOL	UG/G	: 1.0K
A34401	PHENANTHRENE	UG/G	: 2.4
A34220	ANTHRACENE	UG/G	: 0.5K
A39110	DI-N-BUTYLPHTHALATE	UG/G	: 0.8
A34375	FLUORANTHENE	UG/G	: 2.5
A34439	PYRENE	UG/G	: 3.4

SAMPLE NUMBER : D869259

A34292	BUTYL BENZYL PHTHALATE	UG/G : 2.5
A34651	3,3'-DICHLOROBENZIDINE	UG/G : 1.0K
A34526	BENZO(A)ANTHRACENE	UG/G : 0.5K
A34520	CHRYSENE	UG/G : 4.0
A39100	BIS(2-ETHYLHEXYL)PHTHALATE	UG/G : 25
A34296	DI-N-OCTYLPHTHALATE	UG/G : 1.9
A34230	BENZO(B)FLUORANTHENE	UG/G : 1.3
A34242	BENZO(K)FLUORANTHENE	UG/G : 0.5K
A34247	BENZO(A)PYRENE	UG/G : 1.2
A34465	INDENO(1,2,3-CD)PYRENE	UG/G : 0.5K
A34556	DIBENZO(AH)ANTHRACENE	UG/G : 0.5K
A34521	BENZO(GHI)PERYLENE	UG/G : 0.5K
A34415	CHLOROMETHANE	UG/G : 1.0K
A34413	BROMOMETHANE	UG/G : 1.0K
A39175	VINYL CHLORIDE	UG/G : 1.0K
A34511	CHLOROETHANE	UG/G : 1.0K
A34423	METHYLENE CHLORIDE	UG/G : 0.5K
A31552	ACETONE	UG/G : 5
A34465	TRICHLOROFLUOROMETHANE	UG/G : 1
A77277	BROMOCHLOROMETHANE	UG/G : 0.5K
A77041	CARBON DISULFIDE	UG/G : 0.5K
A34501	1,1-DICHLOROETHYLENE	UG/G : 0.5K
A34496	1,1-DICHLOROETHANE	UG/G : 0.5K
A34545	TRANS-1,2-DICHLOROETHYLENE	UG/G : 0.5K
A77093	CIS-1,2-DICHLOROETHYLENE	UG/G : 0.5K
A32100	CHLOROFORM	UG/G : 0.5K
A34531	1,2-DICHLOROETHANE	UG/G : 0.5K
A31592	2-BUTANONE(MEK)	UG/G : 1.0K
A34505	1,1,1-TRICHLOROETHANE	UG/G : 0.5K
A32102	CARBON TETRACHLORIDE	UG/G : 0.5K
A77057	VINYL ACETATE	UG/G : 1.0K
A32101	DICHLOROBROMOMETHANE	UG/G : 0.5K
A34541	1,2-DICHLOROPROPANE	UG/G : 0.5K
A34704	CIS-1,3-DICHLOROPROPENE	UG/G : 0.5K
A39100	TRICHLOROETHYLENE	UG/G : 0.5K
A32103	CHLORODIBROMOMETHANE	UG/G : 0.5K
A34511	1,1,2-TRICHLOROETHANE	UG/G : 0.5K
A78124	BENZENE	UG/G : 0.5K
A34599	TRANS-1,3-DICHLOROPROPENE	UG/G : 0.5K
A34575	2-CHLOROETHYLVINYL ETHER	UG/G : 0.5K
A32104	BROMOFORM	UG/G : 0.5K
A78133	4-METHYL-2-PENTANONE(MIBK)	UG/G : 1.0K

SAMPLE NUMBER : 0869259

A34292	BUTYL BENZYL PHTHALATE	UG/G	: 2.5
A34031	3,3'-DICHLOROBENZIDINE	UG/G	: 1.0K
A34326	BENZO(A)ANTHRACENE	UG/G	: 0.5K
A34320	CHRYSENE	UG/G	: 4.0
A39100	BIS(2-ETHYLHEXYL)PHTHALATE	UG/G	: 25
A34396	DI-N-OCTYLPHTHALATE	UG/G	: 1.9
A34230	BENZO(B)FLUORANTHENE	UG/G	: 1.3
A34242	BENZO(K)FLUORANTHENE	UG/G	: 0.5K
A34247	BENZO(A)PYRENE	UG/G	: 1.2
A34403	INDENO(1,2,3-CD)PYRENE	UG/G	: 0.5K
A34336	DIBENZO(AH)ANTHRACENE	UG/G	: 0.5K
A34321	BENZO(GHI)PERYLENE	UG/G	: 0.5K
A34415	CHLOROMETHANE	UG/G	: 1.0K
A34413	BROMOMETHANE	UG/G	: 1.0K
A39175	VINYL CHLORIDE	UG/G	: 1.0K
A34311	CHLOROETHANE	UG/G	: 1.0K
A34423	METHYLENE CHLORIDE	UG/G	: 0.5K
A31352	ACETONE	UG/G	: 5
A34403	TRICHLOROFLUOROMETHANE	UG/G	: 1
A77277	BROMOCHLOROMETHANE	UG/G	: 0.5K
A77341	CARBON DISULFIDE	UG/G	: 0.5K
A34301	1,1-DICHLOROETHYLENE	UG/G	: 0.5K
A34496	1,1-DICHLOROETHANE	UG/G	: 0.5K
A34340	TRANS-1,2-DICHLOROETHYLENE	UG/G	: 0.5K
A77375	CIS-1,2-DICHLOROETHYLENE	UG/G	: 0.5K
A32100	CHLOROFORM	UG/G	: 0.5K
A34331	1,2-DICHLOROETHANE	UG/G	: 0.5K
A31396	2-BUTANONE(MEK)	UG/G	: 1.0K
A34303	1,1,1-TRICHLOROETHANE	UG/G	: 0.5K
A32100	CARBON TETRACHLORIDE	UG/G	: 0.5K
A77357	VINYL ACETATE	UG/G	: 1.0K
A32101	DICHLOROBROMOMETHANE	UG/G	: 0.5K
A34341	1,2-DICHLOROPROPANE	UG/G	: 0.5K
A34734	CIS-1,3-DICHLOROPROPENE	UG/G	: 0.5K
A39100	TRICHLOROETHYLENE	UG/G	: 0.5K
A32105	CHLORODIBROMOMETHANE	UG/G	: 0.5K
A34311	1,1,2-TRICHLOROETHANE	UG/G	: 0.5K
A78124	BENZENE	UG/G	: 0.5K
A34399	TRANS-1,3-DICHLOROPROPENE	UG/G	: 0.5K
A34375	2-CHLOROETHYLVINYL ETHER	UG/G	: 0.5K
A32104	BROMOFORM	UG/G	: 0.5K
A78133	4-METHYL-2-PENTANONE(MIBK)	UG/G	: 1.0K

RECORD CODE | L | P | C | S | M | 0 | 1 | TRANS CODE | A |

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

REPORT DUE DATE 35 M — / — D — / — Y 41

FEDERAL ID NUMBER D0692ou

SITE INVENTORY NUMBER 9 1 6 3 0 4 5 0 0 5 6 18

REGION S CO. St. Clair

E. St. Louis / Leffin Iron & Metal
FACILITY NAME

MONITOR POINT NUMBER (see Instructions) 19 X 1 0 3 22

DATE COLLECTED 23 M 1 / 1 D / 8 8 Y 28

IEPA LAB (x or Blank) (see Instructions) 29 X

FOR IEPA USE ONLY

COMPLAINT NO.

DATE RECEIVED 42 M — / — D — / — Y 47

SAMPLING PURPOSE CODE (see Instructions) 48 1

TIME CARD PROGRAM CODE 49 L P 4 1 52 & UNIT CODE 53 J

BACKGROUND SAMPLE (X) 54

TIME COLLECTED (24 HR CLOCK) 55 H 14 : 3 M

UNABLE TO COLLECT SAMPLE (see Instructions) 59

MONITOR POINT SAMPLED BY (see Instructions) 60 Q SS trowel OTHER (SPECIFY)

SAMPLE FIELD FILTERED - INORGANICS (X) 61 ORGANICS (X)

SAMPLE APPEARANCE 63 discolored & stained soil 102

COLLECTOR COMMENTS 103 142

SPECIAL INSTRUCTIONS TO LAB volatile & semi-volatile organic scan, PCB's, and Pesticides SW-846

COLLECTED BY	INITIALS 143	145	DIVISION OR COMPANY	TRANSPORTED BY	DIVISION OR COMPANY
Reeter-Grant	CVR		IEPA-DLPC	Tom Miller	IEPA-DLPC

LAB USE ONLY

LAB SAMPLE NO. D0692ou LAB NAME Springfield LAB ID NO. 148 D0692ou 149

DATE RECEIVED NOV 22 1988 AND ADDRESS

TIME RECEIVED

SAMPLE TEMP OKAY (Y/N) SAMPLE PROPERLY PRESERVED (Y/N) DATE COMPLETED FORWARD 12-2-8

LAB COMMENTS 150 199

SUPERVISOR SIGNATURE

RECORD CODE | L | P | C | S | M | 0 | 2 | TRANS CODE | A | (COLUMNS 9-29 FROM ABOVE)

	FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORT LEVEL
*	DEPTH TO WATER (ft. below LS)	20 7 2 0 1 9 14	15	16	17	18	28
	ELEVATION OF GW SURFACE (ft. ref MSL)	7 1 9 9 3					
	TOTAL WELL DEPTH (ft. below LS)	7 2 0 0 8					
	pH (units) - Field	0 0 4 0 0					
	SPEC CONDUCTANCE (umhos) - Field	0 0 0 9 4					
	TEMP OF WATER SAMPLE (°F) - Field	0 0 0 1 1					
	DEPTH TO btm. CASING FROM M.P. (ft.)	7 2 0 3 9					
	DEPTH TO WATER FROM M.P. (ft.)	7 2 1 0 9					
	ELEVATION btm. CASING, MSL (ft.)	7 2 0 2 0					
	M.P. ELEVATION ABOVE L.S. (ft.)	8 2 5 1 5					

This Agency is authorized to require this information under Illinois Revised Statutes 1979 Chapter 111 1/2 Section 1004 and 1021. Disclosure of this information is required. Failure to do so may result in a civil penalty up to $25,000 for each day the failure continues, a fine up to $1,000.00 and imprisonment up to one year. This form has been approved by the Forms Management Center.

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

SAMPLE NUMBER : 0369260
SAMPLING POINT DESC. : E ST LOUIS/LEFTON IRON & METAL X103

SUBMITTING SOURCE # : SITE # : 1630450056
DATE COLLECTED : 881118 TIME COLLECTED : 1438 SAMPLING PROGRAM :

COLLECTED BY : KEETER/GRANT DELIVERED BY : T M
COMMENTS : VOL AND SEMIVOL ORG SCAN, PCBS, PESTS
FUNDING CODE : LP41 AGENCY ROUTING : -- UNIT CODE :
SAM TYPE CODE : SAMPLE PURPOSE CODE : 1 REPORTING INDICATOR :

DATE RECEIVED : 881122 TIME RECEIVED : 1000 RECEIVED BY : MSM
LAB OBSERVATIONS : 802 SOIL TRIP BL SAM# :
SUPERVISORS INITIALS : JTH NOTE : K = LESS THAN VALUE

A39510	TOTAL PCBS	UG/G	: 81
A39330	ALDRIN	UG/G	: .25K
A39333	DIELDRIN	UG/G	: .25K
A39357	TOTAL DDT	UG/G	: 2K
A39320	O,P'-DDE	UG/G	: .5K
A39321	P,P'-DDE	UG/G	: .5K
A39310	O,P'-DDD	UG/G	: .5K
A39311	P,P'-DDD	UG/G	: .5K
A39300	O,P'-DDT	UG/G	: .5K
A39301	P,P'-DDT	UG/G	: .5K
A39351	TOTAL CHLORDANE	UG/G	: 1K
A39364	CHLORDANE,CIS ISOMER	UG/G	: .5K
A39367	CHLORDANE,TRANS ISOMER	UG/G	: .5K
A39390	ENDRIN	UG/G	: .5K
A39401	METHOXYCHLOR	UG/G	: .5K
A39070	ALPHA-BHC	UG/G	: .25K
A39340	GAMMA-BHC (LINDANE)	UG/G	: .25K
A39701	HEXACHLOROBENZENE	UG/G	: .25K
A39410	HEPTACHLOR	UG/G	: .25K
A39420	HEPTACHLOR EPOXIDE	UG/G	: .25K
A34694	PHENOL	UG/G	: 0.5K
A34070	BIS(2-CHLOROETHYL)ETHER	UG/G	: 0.5K
A34500	2-CHLOROPHENOL	UG/G	: 0.5K
A34566	1,3-DICHLOROBENZENE	UG/G	: 0.5K
A34571	1,4-DICHLOROBENZENE	UG/G	: 0.5K
A77147	BENZYL ALCOHOL	UG/G	: 0.5K
A34536	1,2-DICHLOROBENZENE	UG/G	: 0.5K
A00300	2-METHYLPHENOL	UG/G	: 0.5K
A34283	BIS(2-CHLOROISOPROPYL)ETHER	UG/G	: 0.5K

SAMPLE NUMBER : D869260

A34292	BUTYL BENZYL PHTHALATE	UG/G : 2.4
A34331	3,3'-DICHLOROBENZIDINE	UG/G : 1.0K
A34326	BENZO(A)ANTHRACENE	UG/G : 0.5K
A34320	CHRYSENE	UG/G : 4.6
A39100	BIS(2-ETHYLHEXYL)PHTHALATE	UG/G : 21
A34395	DI-N-OCTYLPHTHALATE	UG/G : 1.9
A34230	BENZO(B)FLUORANTHENE	UG/G : 1.5
A34242	BENZO(K)FLUORANTHENE	UG/G : 0.5K
A34247	BENZO(A)PYRENE	UG/G : 1.2
A34403	INDENO(1,2,3-CD)PYRENE	UG/G : 0.5K
A34335	DIBENZO(AH)ANTHRACENE	UG/G : 0.5K
A34321	BENZO(GHI)PERYLENE	UG/G : 0.5K
A34415	CHLOROMETHANE	UG/G : 1.0K
A34415	BROMOMETHANE	UG/G : 1.0K
A39175	VINYL CHLORIDE	UG/G : 1.0K
A34311	CHLOROETHANE	UG/G : 1.0K
A34425	METHYLENE CHLORIDE	UG/G : 0.5K
A31356	ACETONE	UG/G : 2
A34483	TRICHLOROFLUOROMETHANE	UG/G : 1
A77277	BROMODICHLOROMETHANE	UG/G : 0.5K
A77341	CARBON DISULFIDE	UG/G : 0.5K
A34301	1,1-DICHLOROETHYLENE	UG/G : 0.5K
A34496	1,1-DICHLOROETHANE	UG/G : 0.5K
A34345	TRANS-1,2-DICHLOROETHYLENE	UG/G : 0.5K
A77395	CIS-1,2-DICHLOROETHYLENE	UG/G : 0.5K
A32105	CHLOROFORM	UG/G : 0.5K
A34331	1,2-DICHLOROETHANE	UG/G : 0.5K
A31395	2-BUTANONE(MEK)	UG/G : 1.0K
A34506	1,1,1-TRICHLOROETHANE	UG/G : 0.5K
A32102	CARBON TETRACHLORIDE	UG/G : 0.5K
A77357	VINYL ACETATE	UG/G : 1.0K
A32101	DICHLOROBROMOMETHANE	UG/G : 0.5K
A34341	1,2-DICHLOROPROPANE	UG/G : 0.5K
A34704	CIS-1,3-DICHLOROPROPENE	UG/G : 0.5K
A39100	TRICHLOROETHYLENE	UG/G : 0.5K
A32105	CHLORODIBROMOMETHANE	UG/G : 0.5K
A34511	1,1,2-TRICHLOROETHANE	UG/G : 0.5K
A76124	BENZENE	UG/G : 0.5K
A34697	TRANS-1,3-DICHLOROPROPENE	UG/G : 0.5K
A34575	2-CHLOROETHYLVINYL ETHER	UG/G : 0.5K
A32104	BROMOFORM	UG/G : 0.5K
A76133	4-METHYL-2-PENTANONE(MIBK)	UG/G : 1.0K

SAMPLE NUMBER : 0859260

A00000	4-METHYLPHENOL	UG/G	: 0.5K
A34420	N-NITROSO-DI-N-PROPYLAMINE	UG/G	: 0.5K
A34395	HEXACHLOROETHANE	UG/G	: 0.5K
A34447	NITROBENZENE	UG/G	: 0.5K
A34408	ISOPHORONE	UG/G	: 0.5K
A34591	2-NITROPHENOL	UG/G	: 0.5K
A34606	2,4-DIMETHYLPHENOL	UG/G	: 0.5K
A77247	BENZOIC ACID	UG/G	: 5.0K
A34273	BIS(2-CHLOROETHOXY)METHANE	UG/G	: 0.5K
A34601	2,4-DICHLOROPHENOL	UG/G	: 0.5K
A34551	1,2,4-TRICHLOROBENZENE	UG/G	: 0.5K
A34696	NAPHTHALENE	UG/G	: 0.5K
A00000	4-CHLOROANILINE	UG/G	: 0.5K
A34391	HEXACHLOROBUTADIENE	UG/G	: 0.5K
A34432	4-CHLORO-3-METHYLPHENOL	UG/G	: 0.5K
A77415	2-METHYLNAPHTHALENE	UG/G	: 1.1
A34385	HEXACHLOROCYCLOPENTADIENE	UG/G	: 0.5K
A34621	2,4,6-TRICHLOROPHENOL	UG/G	: 0.5K
A77587	2,4,5-TRICHLOROPHENOL	UG/G	: 0.5K
A34331	2-CHLORONAPHTHALENE	UG/G	: 0.5K
A00000	2-NITROANILINE	UG/G	: 1.0K
A34341	DIMETHYLPHTHALATE	UG/G	: 0.5K
A34203	ACENAPHTHYLENE	UG/G	: 0.5K
A34326	2,6-DINITROTOLUENE	UG/G	: 0.5K
A78300	3-NITROANILINE	UG/G	: 1.0K
A34200	ACENAPHTHENE	UG/G	: 0.5K
A34616	2,4-DINITROPHENOL	UG/G	: 1.0K
A34646	4-NITROPHENOL	UG/G	: 1.0K
A61302	DIBENZOFURAN	UG/G	: 0.5K
A34611	2,4-DINITROTOLUENE	UG/G	: 0.5K
A34336	DIETHYLPHTHALATE	UG/G	: 0.5K
A34341	4-CHLOROPHENYL PHENYL ETHER	UG/G	: 0.5K
A34301	FLUORENE	UG/G	: 0.5
A00000	4-NITROANILINE	UG/G	: 1.0K
A00000	4,6-DINITRO-2-METHYLPHENOL	UG/G	: 1.0K
A34355	4-BROMOPHENYL PHENYL ETHER	UG/G	: 0.5K
A39700	HEXACHLOROBENZENE	UG/G	: 0.5K
A39032	PENTACHLOROPHENOL	UG/G	: 1.0K
A34461	PHENANTHRENE	UG/G	: 2.9
A34220	ANTHRACENE	UG/G	: 0.5K
A39110	DI-N-BUTYLPHTHALATE	UG/G	: 0.9
A34375	FLUORANTHENE	UG/G	: 2.9
A34469	PYRENE	UG/G	: 3.8

RECORD CODE L P C S M 0 1 — TRANS CODE A

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

REPORT DUE DATE 36 M — / D — / Y 41

FEDERAL ID NUMBER D069201

SITE INVENTORY NUMBER 1 6 3 0 4 5 0 0 5 6 (9–18)

REGION S CO. St. Clair

E. St. Louis / Lefton Iron & Metal — FACILITY NAME

MONITOR POINT NUMBER (see Instructions) X 1 0 4 (19–22)

DATE COLLECTED 11 / 18 / 88 (23 M D Y 28)

IEPA LAB (x or Blank) (see Instructions) X (29)

FOR IEPA USE ONLY — COMPLAINT NO.

DATE RECEIVED 42 M — / D — / Y 47

SAMPLING PURPOSE CODE (see Instructions) 1 (48)

TIME CARD PROGRAM CODE CP 41 (49–52) & UNIT CODE J (53)

BACKGROUND SAMPLE (X) 54

TIME COLLECTED (24 HR CLOCK) 16 : 3 (55 H M)

UNABLE TO COLLECT SAMPLE (see Instructions) 59

MONITOR POINT SAMPLED BY (see Instructions) Q (60) — SS Spoon — OTHER (SPECIFY)

SAMPLE FIELD FILTERED - INORGANICS (X) 61 — ORGANICS (X)

SAMPLE APPEARANCE (63) discolored & stained soil (102)

COLLECTOR COMMENTS (103) (142)

SPECIAL INSTRUCTIONS TO LAB volatile & semi-volatile organic scan, PCB's & Pesticides SW-846

COLLECTED BY	INITIALS	DIVISION OR COMPANY	TRANSPORTED BY	DIVISION OR COMPANY
Reeter-McCarthy	CVR (143–145)	IEPA-DLPC	Tom Miller	IEPA-DLPC

LAB USE ONLY

LAB SAMPLE NO. D069201 — LAB NAME Springfield — LAB ID NO. D069201 (146–149)

DATE RECEIVED NOV 22 1988 — LAB AND ADDRESS

TIME RECEIVED

SAMPLE TEMP OKAY (Y/N) — SAMPLE PROPERLY PRESERVED (Y/N) — DATE COMPLETED — FORWARD 12/21

LAB COMMENTS (150) (199)

J. Hurley — SUPERVISOR SIGNATURE

RECORD CODE L P C S M 0 2 — TRANS CODE A (COLUMNS 9-29 FROM ABOVE)

FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL
* DEPTH TO WATER (ft. below LS)	7 2 0 1 9 (10–14)	(15)	(16)	(17)	(18–27)	(28)
ELEVATION OF GW SURFACE (ft. ref MSL)	7 1 9 9 3					
TOTAL WELL DEPTH (ft. below LS)	7 2 0 0 8					
pH (units) - Field	0 0 4 0 0					
SPEC CONDUCTANCE (umhos) - Field	0 0 0 9 4					
TEMP OF WATER SAMPLE (°F) - Field	0 0 0 1 1					
DEPTH TO btm. CASING FROM M.P. (ft.)	7 2 0 3 9					
DEPTH TO WATER FROM M.P. (ft.)	7 2 1 0 9					
ELEVATION btm. CASING, MSL (ft.)	7 2 0 2 0					
M.P. ELEVATION ABOVE L.S. (ft.)	8 2 5 1 5					

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SAMPLE NUMBER : 0009260

A77105	2-HEXANONE(MBK)	UG/G	: 1.0K
A34475	TETRACHLOROETHYLENE	UG/G	: 0.5K
A34516	1,1,2,2-TETRACHLOROETHANE	UG/G	: 0.5K
A75101	TOLUENE	UG/G	: 0.5K
A34301	CHLOROBENZENE	UG/G	: 0.5K
A75113	ETHYLBENZENE	UG/G	: 0.5K
A77125	STYRENE	UG/G	: 0.5K
A51001	XYLENE	UG/G	: 0.5K

: THE FOLLOWING QUANTITATIONS ARE APPROXIMATE

: OTHER METHYL NAPHTHALENES	UG/G	; 0.3
: DIMETHYL NAPHTHALENE	UG/G	; 4.4
: TRIMETHYL NAPHTHALENE	UG/G	; 11
: METHYL PHENANTHRENES	UG/G	; 1.7
: DIMETHYL PHENANTHRENE#	UG/G	; 1.5
: ALIPHATIC HYDROCARBONS	UG/G	; 59
: OTHER ORGANIC COMPOUNDS	UG/G	; 11

: #TENTATIVE IDENTIFICATION

SAMPLE NUMBER : D669261

A00000	4-METHYLPHENOL	UG/G	: 0.5K
A34423	N-NITROSO-DI-N-PROPYLAMINE	UG/G	: 0.5K
A34396	HEXACHLOROETHANE	UG/G	: 0.5K
A34447	NITROBENZENE	UG/G	: 0.5K
A34403	ISOPHORONE	UG/G	: 0.5K
A34391	2-NITROPHENOL	UG/G	: 0.5K
A34365	2,4-DIMETHYLPHENOL	UG/G	: 0.5K
A77247	BENZOIC ACID	UG/G	: 5.0K
A34273	BIS(2-CHLOROETHOXY)METHANE	UG/G	: 0.5K
A34601	2,4-DICHLOROPHENOL	UG/G	: 0.5K
A34331	1,2,4-TRICHLOROBENZENE	UG/G	: 0.5K
A34695	NAPHTHALENE	UG/G	: 22
A00000	4-CHLOROANILINE	UG/G	: 0.5K
A34391	HEXACHLOROBUTADIENE	UG/G	: 0.5K
A34452	4-CHLORO-3-METHYLPHENOL	UG/G	: 0.5K
A77415	2-METHYLNAPHTHALENE	UG/G	: 51
A34366	HEXACHLOROCYCLOPENTADIENE	UG/G	: 0.5K
A34621	2,4,6-TRICHLOROPHENOL	UG/G	: 0.5K
A77587	2,4,5-TRICHLOROPHENOL	UG/G	: 0.5K
A34561	2-CHLORONAPHTHALENE	UG/G	: 0.5K
A00000	2-NITROANILINE	UG/G	: 1.0K
A34341	DIMETHYLPHTHALATE	UG/G	: 0.5K
A34200	ACENAPHTHYLENE	UG/G	: 0.5K
A34526	2,6-DINITROTOLUENE	UG/G	: 0.5K
A76500	3-NITROANILINE	UG/G	: 1.0K
A34205	ACENAPHTHENE	UG/G	: 0.5K
A34513	2,4-DINITROPHENOL	UG/G	: 1.0K
A34640	4-NITROPHENOL	UG/G	: 1.0K
A51302	DIBENZOFURAN	UG/G	: 2.9
A34611	2,4-DINITROTOLUENE	UG/G	: 0.5K
A34336	DIETHYLPHTHALATE	UG/G	: 0.5K
A34641	4-CHLOROPHENYL PHENYL ETHER	UG/G	: 0.5K
A34361	FLUORENE	UG/G	: 7.8
A00000	4-NITROANILINE	UG/G	: 1.0K
A00000	4,6-DINITRO-2-METHYLPHENOL	UG/G	: 1.0K
A34636	4-BROMOPHENYL PHENYL ETHER	UG/G	: 0.5K
A39700	HEXACHLOROBENZENE	UG/G	: 0.5K
A39032	PENTACHLOROPHENOL	UG/G	: 1.0K
A34461	PHENANTHRENE	UG/G	: 22
A34220	ANTHRACENE	UG/G	: 0.5K
A39110	DI-N-BUTYLPHTHALATE	UG/G	: 0.5K
A34376	FLUORANTHENE	UG/G	: 4.3
A34467	PYRENE	UG/G	: 6.5

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

SAMPLE NUMBER : D369261
SAMPLING POINT DESC. : E ST LOUIS/LEFTON IRON & METAL X104

SUBMITTING SOURCE # : SITE # : 1630450056
DATE COLLECTED : 881118 TIME COLLECTED : 1630 SAMPLING PROGRAM :

COLLECTED BY : REETER/GRANT DELIVERED BY : T M
COMMENTS : VOL AND SEMIVOL ORG SCAN, PCBS, PESTS
FUNDING CODE : LP41 AGENCY ROUTING : -- UNIT CODE :
SAM TYPE CODE : SAMPLE PURPOSE CODE : 1 REPORTING INDICATOR :

DATE RECEIVED : 881122 TIME RECEIVED : 1000 RECEIVED BY : MSM
LAB OBSERVATIONS : DCI SOIL TRIP BL SAM# :
SUPERVISORS INITIALS : JTH NOTE : K = LESS THAN VALUE

A39515	TOTAL PCBS	UG/G	: 92
A39333	ALDRIN	UG/G	: .25K
A39365	DIELDRIN	UG/G	: .25K
A39357	TOTAL DDT	UG/G	: 2K
A39325	O,P'-DDE	UG/G	: .5K
A39321	P,P'-DDE	UG/G	: .5K
A39315	O,P'-DDD	UG/G	: .5K
A39311	P,P'-DDD	UG/G	: .5K
A39305	O,P'-DDT	UG/G	: .5K
A39301	P,P'-DDT	UG/G	: .5K
A39351	TOTAL CHLORDANE	UG/G	: 1K
A39354	CHLORDANE,CIS ISOMER	UG/G	: .5K
A39357	CHLORDANE,TRANS ISOMER	UG/G	: .5K
A39343	ENDRIN	UG/G	: .5K
A39401	METHOXYCHLOR	UG/G	: .5K
A39375	ALPHA-BHC	UG/G	: .25K
A39345	GAMMA-BHC (LINDANE)	UG/G	: .25K
A39701	HEXACHLOROBENZENE	UG/G	: .25K
A39415	HEPTACHLOR	UG/G	: .25K
A39423	HEPTACHLOR EPOXIDE	UG/G	: .25K
A34594	PHENOL	UG/G	: 0.5K
A34273	BIS(2-CHLOROETHYL)ETHER	UG/G	: 0.5K
A34585	2-CHLOROPHENOL	UG/G	: 0.5K
A34565	1,3-DICHLOROBENZENE	UG/G	: 0.5K
A34571	1,4-DICHLOROBENZENE	UG/G	: 0.5K
A77147	BENZYL ALCOHOL	UG/G	: 0.5K
A34535	1,2-DICHLOROBENZENE	UG/G	: 0.5K
A00000	2-METHYLPHENOL	UG/G	: 0.5K
A34285	BIS(2-CHLOROISOPROPYL)ETHER	UG/G	: 0.5K

SAMPLE NUMBER : D859261

A34292	BUTYL BENZYL PHTHALATE	UG/G	: 3.3
A34631	3,3'-DICHLOROBENZIDINE	UG/G	: 1.0K
A34326	BENZO(A)ANTHRACENE	UG/G	: 0.5K
A34320	CHRYSENE	UG/G	: 5.2
A39100	BIS(2-ETHYLHEXYL)PHTHALATE	UG/G	: 27
A34396	DI-N-OCTYLPHTHALATE	UG/G	: 2.8
A34230	BENZO(B)FLUORANTHENE	UG/G	: 1.5
A34242	BENZO(K)FLUORANTHENE	UG/G	: 0.5K
A34247	BENZO(A)PYRENE	UG/G	: 1.2
A34403	INDENO(1,2,3-CD)PYRENE	UG/G	: 0.5K
A34556	DIBENZO(AH)ANTHRACENE	UG/G	: 0.5K
A34321	BENZO(GHI)PERYLENE	UG/G	: 0.5K
A34416	CHLOROMETHANE	UG/G	: 1.0K
A34413	BROMOMETHANE	UG/G	: 1.0K
A39175	VINYL CHLORIDE	UG/G	: 1.0K
A34311	CHLOROETHANE	UG/G	: 1.0K
A34423	METHYLENE CHLORIDE	UG/G	: 0.5K
A31532	ACETONE	UG/G	: 1.0K
A34436	TRICHLOROFLUOROMETHANE	UG/G	: 0.5K
A77277	BROMOCHLOROMETHANE	UG/G	: 0.5K
A77041	CARBON DISULFIDE	UG/G	: 0.5K
A34501	1,1-DICHLOROETHYLENE	UG/G	: 0.5K
A34496	1,1-DICHLOROETHANE	UG/G	: 0.5K
A34545	TRANS-1,2-DICHLOROETHYLENE	UG/G	: 0.5K
A77095	CIS-1,2-DICHLOROETHYLENE	UG/G	: 0.5K
A32106	CHLOROFORM	UG/G	: 0.5K
A34551	1,2-DICHLOROETHANE	UG/G	: 0.5K
A31595	2-BUTANONE(MEK)	UG/G	: 1.0K
A34506	1,1,1-TRICHLOROETHANE	UG/G	: 0.5K
A32102	CARBON TETRACHLORIDE	UG/G	: 0.5K
A77057	VINYL ACETATE	UG/G	: 1.0K
A32101	DICHLOROBROMOMETHANE	UG/G	: 0.5K
A34541	1,2-DICHLOROPROPANE	UG/G	: 0.5K
A34704	CIS-1,3-DICHLOROPROPENE	UG/G	: 0.5K
A39160	TRICHLOROETHYLENE	UG/G	: 0.5K
A32105	CHLORODIBROMOMETHANE	UG/G	: 0.5K
A34511	1,1,2-TRICHLOROETHANE	UG/G	: 0.5K
A76124	BENZENE	UG/G	: 0.5K
A34599	TRANS-1,3-DICHLOROPROPENE	UG/G	: 0.5K
A34576	2-CHLOROETHYLVINYL ETHER	UG/G	: 0.5K
A32104	BROMOFORM	UG/G	: 0.5K
A76133	4-METHYL-2-PENTANONE(MIBK)	UG/G	: 1.0K

SAMPLE NUMBER : 0359261

A77103	2-HEXANONE(MBK)	UG/G	: 1.0K
A34475	TETRACHLOROETHYLENE	UG/G	: 0.5K
A34516	1,1,2,2-TETRACHLOROETHANE	UG/G	: 0.5K
A76151	TOLUENE	UG/G	: 3
A34301	CHLOROBENZENE	UG/G	: 0.5K
A76113	ETHYLBENZENE	UG/G	: 6
A77165	STYRENE	UG/G	: 0.5K
A61551	XYLENE	UG/G	: 25

: THE FOLLOWING QUANTITATIONS ARE APPROXIMATE

: C3-SUBSTITUTED BENZENES	UG/G	; 40
: C4-SUBSTITUTED BENZENES	UG/G	; 110
: METHYL INDENE	UG/G	; 10
: DIMETHYL INDENE	UG/G	; 4
: OTHER METHYL NAPHTHALENES	UG/G	; 29
: DIMETHYL NAPHTHALENE	UG/G	; 43
: TRIMETHYL NAPHTHALENE	UG/G	; 47
: METHYL PHENANTHRENES	UG/G	; 6.7
: DIMETHYL PHENANTHRENES	UG/G	; 6.9
: ALIPHATIC HYDROCARBONS	UG/G	; 750
: OTHER ORGANIC COMPOUNDS	UG/G	; 150

: *TENTATIVE IDENTIFICATION

M E M O R A N D U M

DATE: December 14, 1988

TO: LPC - Division File

FROM: Chuck Reeter, DLPC - Collinsville Chuck Reeter

SUBJECT: 1630450056 - St. Clair County - East St. Louis/Lefton Iron & Metal FOS

On December 1, 1988, Tom Miller and I were directed to collect a soil sample from a new dirt pile located on Brady Street near the Converse Plant of Lefton Iron and Metal, which was observed by Pat McCarthy on an earlier date. One composite soil sample (G105) was collected by Tom Miller and sealed on site. Later the sample was shipped to the IEPA labs.

During this visit, the "landfill" on Lefton property behind the Converse site was observed from the end of Brady Street. It was noticed that household trash had recently been dumped on top of the "contaminated" soil, and that vehicles had apparently driven over the area.

Photographs were taken during the visit.

CVR:jlr/21

cc: DLPC - Collinsville
cc: Bruce Carlson

RECEIVED
JAN 10 1989
IEPA-DLPC

RECORD CODE L P C S M 0 1 — TRANS CODE A — D069470

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

REPORT DUE DATE 36 M / D / Y 41

FEDERAL ID NUMBER

SITE INVENTORY NUMBER 1 6 3 0 4 5 0 0 5 6 (9–18)

REGION 6 CO. St. Clair

E. St. Louis / Lefton Iron & Metal

FACILITY NAME

MONITOR POINT NUMBER X 1 0 5 (19–22) (see Instructions)

DATE COLLECTED 12 / 01 / 88 (23 M D Y 28)

IEPA LAB (x or Blank) X (29) (see Instructions)

FOR IEPA USE ONLY — COMPLAINT NO.

DATE RECEIVED 42 M / D / Y 47

SAMPLING PURPOSE CODE 1 (48) (see Instructions)

TIME CARD PROGRAM CODE LP 41 (49–52) & UNIT CODE J (53)

BACKGROUND SAMPLE (X) 54

TIME COLLECTED (24 HR CLOCK) 14 : 36 (55 H M 5)

UNABLE TO COLLECT SAMPLE (see Instructions) 59

MONITOR POINT SAMPLED BY Q (60) (see Instructions) Wooden spoon OTHER (SPECIFY)

SAMPLE FIELD FILTERED - INORGANICS (X) 61 ORGANICS (X) 6

SAMPLE APPEARANCE 63 discolored soil 102

COLLECTOR COMMENTS 103 142

SPECIAL INSTRUCTIONS TO LAB volatile & semi-volatile organic scan, PCB's & Pesticides SW 846

Tom Miller	TWM	IEPA-DLPC	UPS	
COLLECTED BY	INITIALS (143–145)	DIVISION OR COMPANY	TRANSPORTED BY	DIVISION OR COMPANY

LAB USE ONLY

LAB SAMPLE NO. D069490 LAB NAME Springfield LAB ID NO. 146 149

DATE RECEIVED DEC 5 1988 AND ADDRESS

TIME RECEIVED

SAMPLE TEMP OKAY (Y/N) SAMPLE PROPERLY PRESERVED (Y/N) DATE COMPLETED FORWARD 1-23-89

LAB COMMENTS 150 199

J Hurley

SUPERVISOR SIGNATURE

RECORD CODE L P C S M 0 2 — TRANS CODE A (COLUMNS 9-29 FROM ABOVE)

FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL
* DEPTH TO WATER (ft. below LS)	72019 (30–34)	35	36	37	38 — 47	48
ELEVATION OF GW SURFACE (ft. ref MSL)	71993					
TOTAL WELL DEPTH (ft. below LS)	72008					
pH (units) - Field	00400					
SPEC CONDUCTANCE (umhos) - Field	00094					
TEMP OF WATER SAMPLE (°F) - Field	00011					
DEPTH TO btm. CASING FROM M.P. (ft.)	72039					
DEPTH TO WATER FROM M.P. (ft.)	72109					
ELEVATION btm. CASING, MSL (ft.)	72020					
M.P. ELEVATION ABOVE L.S. (ft.)	82515					

RECEIVED JAN 30 1989 IEPA/DLPC

This Agency is authorized to require this information under Illinois Revised Statutes 1979 Chapter 111 1/2 Section 1004 and 1021. Disclosure of this information is required. Failure to do so may result in a civil penalty up to $25,000 for each day the failure continues, a fine up to $1,000.00 and imprisonment up to one year. This form has been approved by the Forms Management Center.

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

SAMPLE NUMBER : D869490
SAMPLING POINT DESC. : ESL/LEFTON IRON & METAL X105

SUBMITTING SOURCE # : SITE # : 1630450056
DATE COLLECTED : 881201 TIME COLLECTED : 1436 SAMPLING PROGRAM

COLLECTED BY : TOM MILLER DELIVERED BY : MAIL
COMMENTS : VOLS,SEMIVOLS,PCBS,PESTS,SW846
FUNDING CODE : LP41 AGENCY ROUTING : -- UNIT CODE :
SAM TYPE CODE : SAMPLE PURPOSE CODE 1 REPORTING INDICATOR :

DATE RECEIVED : 881205 TIME RECEIVED : 1000 RECEIVED BY D V
LAB OBSERVATIONS : 60Z SOIL TRIP BL SAM#
SUPERVISORS INITIALS JTH NOTE K = LESS THAN VALUE

A39519	TOTAL PCBS	UG/G :	44
A34694	PHENOL	UG/G :	0 5K
A34273	BIS(2-CHLOROETHYL)ETHER	UG/G :	0.5K
A34586	2-CHLOROPHENOL	UG/G :	0 5K
A34566	1,3-DICHLOROBENZENE	UG/G :	0.5K
A34571	1,4-DICHLOROBENZENE	UG/G :	0.5K
A77147	BENZYL ALCOHOL	UG/G :	0.5K
A34536	1,2-DICHLOROBENZENE	UG/G :	0.5K
A00000	2-METHYLPHENOL	UG/G :	0 5K
A34283	BIS(2-CHLOROISOPROPYL)ETHER	UG/G :	0.5K
A00000	4-METHYLPHENOL	UG/G :	0 5K
A34428	N-NITROSO-DI-N-PROPYLAMINE	UG/G :	0.5K
A34396	HEXACHLOROETHANE	UG/G :	0.5K
A34447	NITROBENZENE	UG/G :	0.5K
A34408	ISOPHORONE	UG/G :	0.5K
A34591	2-NITROPHENOL	UG/G :	0.5K
A34606	2,4-DIMETHYLPHENOL	UG/G :	0.5K
A77247	BENZOIC ACID	UG/G :	5.0K
A34278	BIS(2-CHLOROETHOXY)METHANE	UG/G :	0.5K
A34601	2,4-DICHLOROPHENOL	UG/G :	0.5K
A34551	1,2,4-TRICHLOROBENZENE	UG/G :	0.5K
A34696	NAPHTHALENE	UG/G :	0.6
A00000	4-CHLOROANILINE	UG/G :	0 5K
A34391	HEXACHLOROBUTADIENE	UG/G :	0.5K
A34452	4-CHLORO-3-METHYLPHENOL	UG/G :	0 5K
A77416	2-METHYLNAPHTHALENE	UG/G :	1.6
A34386	HEXACHLOROCYCLOPENTADIENE	UG/G :	0.5K
A34621	2,4,6-TRICHLOROPHENOL	UG/G :	0.5K
A77687	2,4,5-TRICHLOROPHENOL	UG/G :	0.5K

SAMPLE NUMBER D869490

A34581	2-CHLORONAPHTHALENE	UG/G	0 5K
A00000	2-NITROANILINE	UG/G	1.0K
\34341	DIMETHYLPHTHALATE	UG/G	0.5K
A34200	ACENAPHTHYLENE	UG/G	0.5K
A34626	2,6-DINITROTOLUENE	UG/G	0.5K
A78300	3-NITROANILINE	UG/G	1 0K
A34205	ACENAPHTHENE	UG/G	0 9
A34616	2,4-DINITROPHENOL	UG/G	1 0K
A34646	4-NITROPHENOL	UG/G	1 0K
A81302	DIBENZOFURAN	UG/G	0 9
A34611	2,4-DINITROTOLUENE	UG/G	0 5K
A34336	DIETHYLPHTHALATE	UG/G	0.5K
A34641	4-CHLOROPHENYL PHENYL ETHER	UG/G	0 5K
A34381	FLUORENE	UG/G	1.7
A00000	4-NITROANILINE	UG/G	1 0K
A00000	4,6-DINITRO-2-METHYLPHENOL	UG/G	1.0K
A34636	4-BROMOPHENYL PHENYL ETHER	UG/G	0 5K
A39700	HEXACHLOROBENZENE	UG/G	0.5K
A39032	PENTACHLOROPHENOL	UG/G	1 0K
A34461	PHENANTHRENE	UG/G	6.4
A34220	ANTHRACENE	UG/G	1 3
A39110	DI-N-BUTYLPHTHALATE	UG/G	0.5K
A34376	FLUORANTHENE	UG/G	3.2
A34469	PYRENE	UG/G	3.5
A34292	BUTYL BENZYL PHTHALATE	UG/G	2.3
A34631	3,3'-DICHLOROBENZIDINE	UG/G	1.0K
A34526	BENZO(A)ANTHRACENE	UG/G	0 5K
A34320	CHRYSENE	UG/G	3.9
A39100	BIS(2-ETHYLHEXYL)PHTHALATE	UG/G	21
A34596	DI-N-OCTYLPHTHALATE	UG/G	0.5
A34230	BENZO(B)FLUORANTHENE	UG/G	0.7
A34242	BENZO(K)FLUORANTHENE	UG/G	0.5K
A34247	BENZO(A)PYRENE	UG/G	0.6
A34403	INDENO(1,2,3-CD)PYRENE	UG/G	0.5K
A34556	DIBENZO(AH)ANTHRACENE	UG/G	0 5K
A34521	BENZO(GHI)PERYLENE	UG/G	0.5K
A34418	CHLOROMETHANE	UG/G	1 0K
A34413	BROMOMETHANE	UG/G	1 0K
A39175	VINYL CHLORIDE	UG/G	1 0K
A34311	CHLOROETHANE	UG/G	1.0K
A34423	METHYLENE CHLORIDE	UG/G	0 5K
A81552	ACETONE	UG/G	1.0K
A34488	TRICHLOROFLUOROMETHANE	UG/G	0 5K

SAMPLE NUMBER . D869490

A77277	BROMOCHLOROMETHANE	UG/G :	0.5K
A77041	CARBON DISULFIDE	UG/G :	0.5K
A34501	1,1-DICHLOROETHYLENE	UG/G :	0.5K
A34496	1,1-DICHLOROETHANE	UG/G :	0.5K
A34546	TRANS-1,2-DICHLOROETHYLENE	UG/G .	0.5K
A77093	CIS-1,2-DICHLOROETHYLENE	UG/G :	0.5K
A32106	CHLOROFORM	UG/G .	0 5K
A34531	1,2-DICHLOROETHANE	UG/G :	0 5K
A81595	2-BUTANONE(MEK)	UG/G .	1 0K
A34506	1,1,1-TRICHLOROETHANE	UG/G :	0 5K
A32102	CARBON TETRACHLORIDE	UG/G :	0 5K
A77057	VINYL ACETATE	UG/G :	1.0K
A32101	DICHLOROBROMOMETHANE	UG/G :	0 5K
A34541	1,2-DICHLOROPROPANE	UG/G :	0.5K
A34704	CIS-1,3-DICHLOROPROPENE	UG/G :	0 5K
A39180	TRICHLOROETHYLENE	UG/G :	0.5K
A32105	CHLORODIBROMOMETHANE	UG/G	0 5K
A34511	1,1,2-TRICHLOROETHANE	UG/G :	0.5K
A78124	BENZENE	UG/G :	0.5K
A34699	TRANS-1,3-DICHLOROPROPENE	UG/G :	0.5K
A34576	2-CHLOROETHYLVINYL ETHER	UG/G :	0 5K
A32104	BROMOFORM	UG/G :	0.5K
A78133	4-METHYL-2-PENTANONE(MIBK)	UG/G :	1.0K
A77103	2-HEXANONE(MBK)	UG/G :	1.0K
A34475	TETRACHLOROETHYLENE	UG/G .	0.5K
A34516	1,1,2,2-TETRACHLOROETHANE	UG/G :	0.5K
A78131	TOLUENE	UG/G :	0.5K
A34301	CHLOROBENZENE	UG/G :	0.5K
A78113	ETHYLBENZENE	UG/G :	0 5K
A77128	STYRENE	UG/G :	0.5K
A81551	XYLENE	UG/G .	0.5K

. THE FOLLOWING QUANTITATIONS ARE APPROXIMATE

. OTHER METHYL NAPHTHALENES	UG/G ;	1 0
: DIMETHYL NAPHTHALENES	UG/G ;	5.5
: TRIMETHYL NAPHTHALENES	UG/G ;	6.8
METHYL PHENANTHRENE#	UG/G ;	3.5
DIMETHYL PHENANTHRENE#	UG/G ;	3.9
: ALIPHATIC HYDROCARBONS	UG/G ;	75
OTHER ORGANIC COMPOUNDS	UG/G ;	11

: #TENTATIVE IDENTIFICATION

RECORD CODE L P C S M 0 1 (1–7) TRANS CODE A (8)

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

REPORT DUE DATE (36) M / D / Y (41)

FEDERAL ID NUMBER C806118

SITE INVENTORY NUMBER 1 6 3 0 4 5 0 0 5 6 (9–18)

MONITOR POINT NUMBER X 1 0 5 (19–22) (see Instructions)

REGION 6 CO. St. Clair

DATE COLLECTED 12 / 01 / 88 (23 M / D / Y 28)

E. St. Louis / Lefton Iron & Metal
FACILITY NAME

IEPA LAB (x or Blank) X (29) (see Instructions)

FOR IEPA USE ONLY — COMPLAINT NO.

DATE RECEIVED (42 M / D / Y 47)

SAMPLING PURPOSE CODE 1 (48) (see Instructions)

TIME CARD PROGRAM CODE LP 41 (49–52) & UNIT CODE J (53)

BACKGROUND SAMPLE (X) (54)

TIME COLLECTED (24 HR CLOCK) 14.36 (55 H M 58)

UNABLE TO COLLECT SAMPLE (see Instructions) (59)

MONITOR POINT SAMPLED BY Q (60) (see Instructions) wooden spoon OTHER (SPECIFY)

SAMPLE FIELD FILTERED - INORGANICS (X) (61) ORGANICS (X) (62)

SAMPLE APPEARANCE (63) discolored soil

COLLECTOR COMMENTS (103) (102)

SPECIAL INSTRUCTIONS TO LAB (142) EP-TOX METALS ONLY, No As or Se + ~~Total Metals~~ K1

COLLECTED BY	INITIALS	DIVISION OR COMPANY	TRANSPORTED BY	DIVISION OR COMPANY
Tom Miller	TWM (143–145)	IEPA - DLPC	UPS	

LAB USE ONLY

LAB SAMPLE NO. C806118 LAB NAME ~~Environmental Protection Agency Division of Laboratory Services 2200 W. Taylor Street Chicago, Illinois 60612~~ LAB ID NO. 000C (146–149)

DATE RECEIVED 12-6-88 AND ADDRESS

TIME RECEIVED 11:30 AM

SAMPLE TEMP OKAY X (Y/N) SAMPLE PROPERLY PRESERVED X (Y/N) DATE COMPLETED FORWARD FEB. 15, 1989

LAB COMMENTS (150) (199)

J Daugherty
SUPERVISOR SIGNATURE

RECORD CODE L P C S M 0 2 (1–7) TRANS CODE A (8) (COLUMNS 9-29 FROM ABOVE)

	FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER (10–14)	(15)	(16)	< OR > (17)	VALUE (18–27)	REPORTING LEVEL (28)	(29)
*	DEPTH TO WATER (ft. below LS)	7 2 0 1 9						
	ELEVATION OF GW SURFACE (ft. ref MSL)	7 1 9 9 3						
	TOTAL WELL DEPTH (ft. below LS)	7 2 0 0 8						
	pH (units) - Field	0 0 4 0 0						
	SPEC CONDUCTANCE (umhos) - Field	0 0 0 9 4						
	TEMP OF WATER SAMPLE (°F) - Field	0 0 0 1 1						
	DEPTH TO btm. CASING FROM M.P. (ft.)	7 2 0 3 9						
	DEPTH TO WATER FROM M.P. (ft.)	7 2 1 0 9						
	ELEVATION btm. CASING, MSL (ft.)	7 2 0 2 0						
	M.P. ELEVATION ABOVE L.S. (ft.)	8 2 5 1 5						

This Agency is authorized to require this information under Illinois Revised Statutes 1979 Chapter 111 1/2 Section 1004 and 1021. Disclosure of this information is required. Failure to do so may result in a civil penalty up to $25,000 for each day the failure continues, a fine up to $1,000.00 and imprisonment up to one year. This form has been approved by the Forms Management Center.

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

SAMPLE NUMBER : C806118
SAMPLING POINT DESC. : E.ST. LOUIS/LEFTON IRON & METAL X105

SUBMITTING SOURCE # : SITE # : 163C450056
DATE COLLECTED : 881201 TIME COLLECTED : 1436 SAMPLING PROGRAM :

COLLECTED BY : TWM DELIVERED BY : UPS
COMMENTS : DISCOLORED SOIL
FUNDING CODE : LP41 AGENCY ROUTING : CO UNIT CODE :
SAM TYPE CODE : LPSP SAMPLE PURPOSE CODE : 1 REPORTING INDICATOR :

DATE RECEIVED : 881206 TIME RECEIVED : 1130 RECEIVED BY : LJP
LAB OBSERVATIONS : TRIP BL SAM# :
SUPERVISORS INITIALS : JWD NOTE : K = LESS THAN VALUE

A10000	PH,FINAL TOX EXT	UNITS :	5.9	A10000	PH,INITIAL TOX EX	UNITS :	8.0
A14500	BARIUM,EP TOX	MG/L :	3HH	A14500	BARIUM,SW846 MET	G/KG :	900.0
A14600	CADMIUM,EP TOX.	MG/L :	1.295	A14600	CADMIUM,SW346 MET	MG/KG :	11[illegible]25
A14700	CHROMIUM,EP TOX.	MG/L :	0.01K	A14700	CHROMIUM,SW846	MG/KG :	22[illegible]5
A15100	LEAD,EP TOXICITY	MG/L :	11.57	A15100	LEAD,SW846 MET.	MG/KG :	2532.5
A15300	MERCURY,EP TOX.	MG/L :	.00C5K	A15300	MERCURY,SW846 EQ.	MG/KG :	12.89

N/A

Facility Name: Lefton Iron and Metal 407 1630450056

Street: 205 South 17th Street

City: East St Louis Telephone: 618-274-4900

County: St. Clair State: Ill Zip Code: 62207

Type of Facility: Notified As: N/A Regulated As: N/A

LDF? yes __ no __ HPV? yes __ no __ 90 Day Follow-up Required? yes __ no

Region: 6 Date of Inspection: 12/5/88 From: 12:45 p to 3:30 p

Weather (LDF Only): _____

Type of Inspection

ISS: ___ Sampling: X Citizen Complaint: __ Closed: __ Withdrawal: __

Record Review: __ Follow-up to Inspection of _____: __ Other: __

Non Regulated Status

Small Quant. Gen:: __ Claimed Nonhandler: __ Other(Specify in narrative): _

Notified As/Regulated As Matrix Number: ____ Key Letter: ____

Notification date, _____, from initial __ or subsequent __ notification.

Part A date, _____, from initial __ or amended __ Part A. DEC 14 1988

Part B permit application submitted? yes __ no __

Has the firm been referred to: USEPA? yes __ no __; IAG? yes __ no __; County States Attorney? yes __ no __. Date of referral to USEPA: _____, IAG: _____, County States Attorney: _____.

Federal Court Order Issued: _____ State Court Order Issued: _____

USEPA Compliance Order Issued: _____ Illinois PCB Order Issued: _____

Facility Activity Summary Prepared by - Purdy Carthy

Activity (By Process Code)	On Pt A	Activity Conducted Prior to 1980	Was Activity Ever Done	Closed	Being Done at Time of Inspection	Exempt From Regulation per 35 IAC, Section:	On Annual Report Fo 8	8	8

Samples collected on December 5, 1988 at Lefton Iron and Metal Company:

Sample # X101 Sample was collected at 12:58 pm.
Samplers Mike Grant and Chuck Reeter.
Soil sample was a surface scrapping along the eastern corner of the small press house.
Sampled sealed at approximately 1:11 pm.

Sample # X102 Sample was collected at 1:16 pm.
Samplers M. Grant and C. Reeter.
Soil sample was a surface scrapping along the east side of RR Tracks and SW of small press house.
Sample sealed at approximately 1:16 pm.

Sample # X103 Sample was collected at 1:45 pm.
Samplers M. Grant and C. Reeter
Soil sample was surface scrapping from the NW side of Shear house.
Sample was sealed at approximatley 1:53 pm.

Sample # X104 Sample was collected at 2:00 pm.
Samplers M. Grant and C. Reeter.
Soil sample was surface scrappings collected at point discharge pipes empties at PL NW of Shear house.
Sample was sealed at approximatley 2:05 pm.

Sample # X105 Sample was collected at 2:21 pm.
Samplers M. Grant and C. Reeter
Soil sample (0-4 inches) collected NNE of big press.
Sample was sealed at approximately 2:29pm.

Sample # X201 Sample was collected at 2:45 pm.
Samplers M. Grant and C. Reeter.
Liquid/sludge sample was collected in the basement /sump of the big press
Sample was sealed at approximatley 2:55pm.

Sample # X106 Sample was collected at 3:15 pm.
Samplers M. Grant and C. Reeter.
Soil sample was surface scrapping (3-4 inches) collected north east of the shear house.
Sample was sealed at approximately 3:21 pm.

RECEIVED
DEC 14 1988
IEPA/DLPC

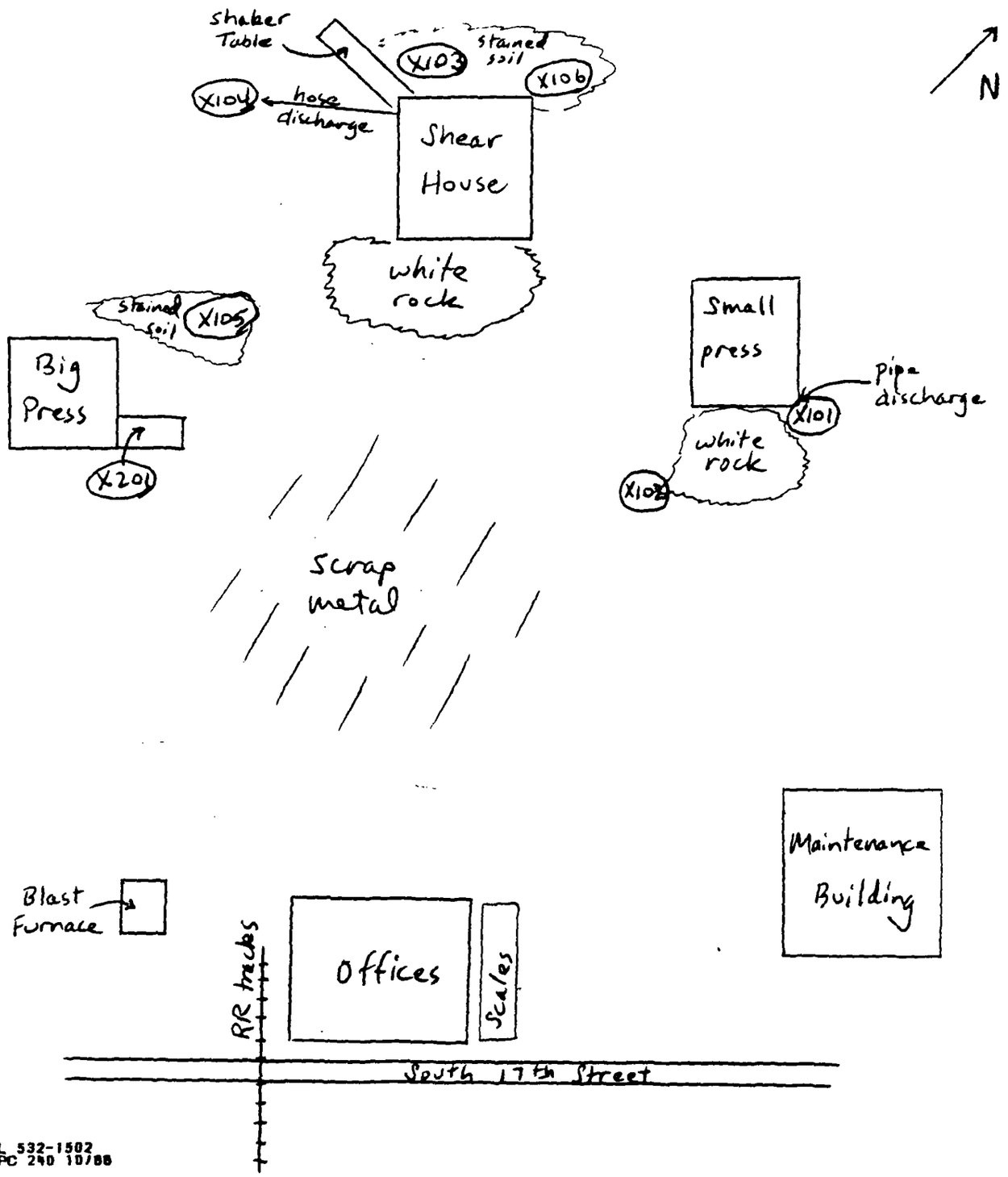
STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY

SITE SKETCH

Date of Inspection: 12/5/88 Inspector: McCarthy, Grant, Reeter

Site Code: 1 6 3 0 4 5 0 0 5 6 County: St. Clair

Site Name: E. St. Louis / Lefton Iron & Metal Time: 11:30am - 3:30pm



IL 532-1502
LPC 240 10/88

CODE L P C S M 0 1 | CODE A

DIVISION OF LAND POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

Page 1 of 1

C806183

REPORT DUE DATE 36 M / D / Y 41

FEDERAL ID NUMBER

SITE INVENTORY NUMBER 9 1 6 3 0 4 5 0 0 5 6 18

REGION Southern CO. St Clair

E St. Louis / Lefton Iron and Metal

FACILITY NAME

MONITOR POINT NUMBER (see Instructions) 19 X 1 0 1 22

DATE COLLECTED 23 M 12 D 05 Y 88 28

IEPA LAB (x or Blank) (see Instructions) 29 X

FOR IEPA USE ONLY

COMPLAINT NO. C 8 9 0 2 S

DATE RECEIVED 42 M / D / Y 47

SAMPLING PURPOSE CODE (see Instructions) 48 4

TIME CARD PROGRAM CODE 49 L P 4 1 52 & UNIT CODE 53

BACKGROUND SAMPLE (X) 54

TIME COLLECTED (24 HR CLOCK) 55 H 12 : 5 M 5

UNABLE TO COLLECT SAMPLE (see Instructions) 59

MONITOR POINT SAMPLED BY (see Instructions) 60 Q SS Trowel OTHER (SPECIFY)

SAMPLE FIELD FILTERED - INORGANICS (X) 61 ORGANICS (X) 62

SAMPLE APPEARANCE 63 SOIL COMPOSITE E CORNER OF SMALL PRESS B 102

COLLECTOR COMMENTS 103 LDG

SPECIAL INSTRUCTIONS TO LAB SW-846 EP TOX Metals + TOTAL METALS R1 142

COLLECTED BY	INITIALS	DIVISION OR COMPANY	TRANSPORTED BY	DIVISION OR COMPANY
M.D. Grant	MD G	DLPC	UPS	

LAB USE ONLY

LAB SAMPLE NO. C806183 LAB NAME Environmental Protection Agency Division of Laboratory Services 2121 W. Taylor Street Chicago, Illinois 60612 LAB ID NO. 146 0 0 0 C 149

DATE RECEIVED 12-8-88 AND ADDRESS

TIME RECEIVED 11:00A LJ Barks

SAMPLE TEMP OKAY Y (Y/N) SAMPLE PROPERLY PRESERVED Y (Y/N) DATE COMPLETED FORWARD MAR 15. 1989

LAB COMMENTS 150

199

J Daugherty

SUPERVISOR SIGNATURE

RECORD CODE L P C S M 0 2 TRANS CODE A (COLUMNS 9-29 FROM ABOVE)

FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL
DEPTH TO WATER (ft. below LS)	72019					
ELEVATION OF GW SURFACE (ft. ref MSL)	71993					
TOTAL WELL DEPTH (ft. below LS)	72008					
pH (units) - Field	00400					
SPEC CONDUCTANCE (umhos) - Field	00094					
TEMP OF WATER SAMPLE (°F) - Field	00011					
DEPTH TO btm. CASING FROM M.P. (ft.)	72039					
DEPTH TO WATER FROM M.P. (ft.)	72109					
ELEVATION btm. CASING, MSL (ft.)	72020					
M.P. ELEVATION ABOVE L.S. (ft.)	82515					

RECEIVED MAR 16 1989 IEPA-DLPC

This Agency is authorized to require this information under Illinois Revised Statutes 1979 Chapter 111 1/2 Section 1004 and 1021 Disclosure of this information is required. Failure to do so may result in a civil

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

SAMPLE NUMBER : C806183
SAMPLING POINT DESC. : E. ST. LOUIS/LEFTON IRON AND METAL X101

SUBMITTING SOURCE # : SITE # : 1630450056
DATE COLLECTED : 881205 TIME COLLECTED : 1253 SAMPLING PROGRAM :

COLLECTED BY : MDG DELIVERED BY : UPS
COMMENTS : SOIL COMPOSITE E CORNER OF SMALL PRESS BLDG
FUNDING CODE : LP41 AGENCY ROUTING : 00 UNIT CODE :
SAM TYPE CODE : LPSP SAMPLE PURPOSE CODE : 4 REPORTING INDICATOR :

DATE RECEIVED : 881208 TIME RECEIVED : 1100 RECEIVED BY : LJP
LAB OBSERVATIONS : TRIP BL SAM# :
SUPERVISOPS INITIALS : JWD NOTE : K = LESS THAN VALUE

A10000	PH,FINAL TOX EXT	UNITS	: 5.1	A10000	PH,INITIAL TOX EX	UNITS	:	5.6
A14400	ARSENIC,EP TOX.	MG/L	: 0.01K	A14400	ARSENIC,SW846 MET	MG/KG	:	50K
A14500	BARIUM,EP TOX	MG/L	: 0.4	A14500	BARIUM,SW846 MET	MG/KG	:	625
A14600	CADMIUM,EP TOX.	MG/L	: 0.005K	A14600	CADMIUM,SW846 MET	MG/KG	[illegible]	[illegible].
A14700	CHROMIUM,EP TOX.	MG/L	: 0.01K	A14700	CHROMIUM,SW846	MG/KG	:	106
A15100	LEAD,EP TOXICITY	MG/L	: 0.05K	A15100	LEAD,SW846 MET.	MG/KG	:	113
A15300	MERCURY,EP TOX.	MG/L	: .0005K	A15300	MERCURY,SW846 EQ.	MG/KG	:	4.3
A15500	SELENIUM,EP TOX.	MG/L	: 0.01K	A15500	SELENIUM,SW846	MG/KG	:	10K

RECORD CODE L P C S M 0 1 TRANS CODE A

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

D069599
Page 1 of 1

REPORT DUE DATE 36 M / D / Y 41

FEDERAL ID NUMBER

SITE INVENTORY NUMBER 1630450056 (9–18)
REGION Southern CO. St Clair
E St. Louis / Lefton Iron and Metal
FACILITY NAME

MONITOR POINT NUMBER X101 (19–22) (see Instructions)
DATE COLLECTED 12 05 88 (23 M D Y 28)
IEPA LAB (x or Blank) X (29) (see Instructions)

FOR IEPA USE ONLY
COMPLAINT NO. C87025

DATE RECEIVED 42 M / D / Y 47
SAMPLING PURPOSE CODE 4 (48) (see Instructions)
TIME CARD PROGRAM CODE LP41 (49–52) & UNIT CODE 53

BACKGROUND SAMPLE (X) 54
TIME COLLECTED (24 HR CLOCK) 12:5 (55 H M)
UNABLE TO COLLECT SAMPLE (see Instructions) 59
MONITOR POINT SAMPLED BY Q (60) (see Instructions) SS Trowel OTHER (SPECIFY)
SAMPLE FIELD FILTERED - INORGANICS (X) 61 ORGANICS (X) 6

SAMPLE APPEARANCE 63 SOIL COMPOSITE E COR NER OF SMALL PRESS H 102

COLLECTOR COMMENTS 103 OUSE 142

SPECIAL INSTRUCTIONS TO LAB SW-846 Organic Scan, PCBs

M.D. Grant — COLLECTED BY
MD G — INITIALS (143–145)
DLPC — DIVISION OR COMPANY
UPS — TRANSPORTED BY
DIVISION OR COMPANY

LAB USE ONLY

LAB SAMPLE NO. D069599 Rwn
LAB NAME Spgfld
LAB ID NO. 146 149
DATE RECEIVED DEC 7 1988
AND ADDRESS Spgfld
TIME RECEIVED 4P
SAMPLE TEMP OKAY (Y/N) SAMPLE PROPERLY PRESERVED (Y/N) DATE COMPLETED FORWARD 1-19-89
LAB COMMENTS 150 199

J. Hurley
SUPERVISOR SIGNATURE

RECORD CODE L P C S M 0 2 TRANS CODE A (COLUMNS 9-29 FROM ABOVE)

FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL
* DEPTH TO WATER (ft. below LS)	72019 (30–34)	15	16	17	18 . 41	48
ELEVATION OF GW SURFACE (ft. ref MSL)	71993				.	
TOTAL WELL DEPTH (ft. below LS)	72008				.	
pH (units) - Field	00400				.	
SPEC CONDUCTANCE (umhos) - Field	00094				.	
TEMP OF WATER SAMPLE (°F) - Field	00011				.	
DEPTH TO btm. CASING FROM M.P. (ft.)	72039				.	
DEPTH TO WATER FROM M.P. (ft.)	72109				.	
ELEVATION btm. CASING, MSL (ft.)	72020				.	
M.P. ELEVATION ABOVE L.S. (ft.)	82515				.	

RECEIVED
JAN 20 1989
IEPA/DLPC

This Agency is authorized to require this information under Illinois Revised Statutes 1979 Chapter 111 1/2 Section 1004 and 1021. Disclosure of this information is required. Failure to do so may result in a civil penalty up to $25,000 for each day the failure continues, a fine up to $1,000.00 and imprisonment up to one year. This form has been approved by the Forms Management Center.

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

SAMPLE NUMBER : D869599
SAMPLING POINT DESC. : ESL/LEFTON IRON & METAL/X101

SUBMITTING SOURCE # : SITE # : 1630450056
DATE COLLECTED : 881205 TIME COLLECTED : 1253 SAMPLING PROGRAM :

COLLECTED BY : M D GRANT DELIVERED BY : UPS
COMMENTS : SW 846 ORGANIC SCAN, PCBS
FUNDING CODE : LP41 AGENCY ROUTING : -- UNIT CODE :
SAM TYPE CODE : SAMPLE PURPOSE CODE : 4 REPORTING INDICATOR :

DATE RECEIVED : 881207 TIME RECEIVED : 1000 RECEIVED BY : RWN
LAB OBSERVATIONS : 6OZ SOIL TRIP BL SAM# :
SUPERVISORS INITIALS : JTH NOTE : K = LESS THAN VALUE

A39519	TOTAL PCBS	UG/G	27
A34694	PHENOL	UG/G	10K
A34273	BIS(2-CHLOROETHYL)ETHER	UG/G	10K
A34586	2-CHLOROPHENOL	UG/G	10K
A34566	1,3-DICHLOROBENZENE	UG/G	10K
A34571	1,4-DICHLOROBENZENE	UG/G	10K
A77147	BENZYL ALCOHOL	UG/G	10K
A34536	1,2-DICHLOROBENZENE	UG/G	10K
A00000	2-METHYLPHENOL	UG/G	10K
A34283	BIS(2-CHLOROISOPROPYL)ETHER	UG/G	10K
A00000	4-METHYLPHENOL	UG/G	10K
A34428	N-NITROSO-DI-N-PROPYLAMINE	UG/G	10K
A34396	HEXACHLOROETHANE	UG/G	10K
A34447	NITROBENZENE	UG/G	10K
A34408	ISOPHORONE	UG/G	10K
A34591	2-NITROPHENOL	UG/G	10K
A34606	2,4-DIMETHYLPHENOL	UG/G	10K
A77247	BENZOIC ACID	UG/G	10K
A34278	BIS(2-CHLOROETHOXY)METHANE	UG/G	10K
A34601	2,4-DICHLOROPHENOL	UG/G	10K
A34551	1,2,4-TRICHLOROBENZENE	UG/G	10K
A34696	NAPHTHALENE	UG/G	10K
A00000	4-CHLOROANILINE	UG/G	10K
A34391	HEXACHLOROBUTADIENE	UG/G	10K
A34452	4-CHLORO-3-METHYLPHENOL	UG/G	10K
A77416	2-METHYLNAPHTHALENE	UG/G	10K
A34386	HEXACHLOROCYCLOPENTADIENE	UG/G	10K
A34621	2,4,6-TRICHLOROPHENOL	UG/G	10K
A77687	2,4,5-TRICHLOROPHENOL	UG/G	10K

SAMPLE NUMBER 0869599

A34581	2-CHLORONAPHTHALENE	UG/G	10K
A00000	2-NITROANILINE	UG/G	10K
A34341	DIMETHYLPHTHALATE	UG/G	10K
A34200	ACENAPHTHYLENE	UG/G	10K
A34626	2,6-DINITROTOLUENE	UG/G	10K
A78300	3-NITROANILINE	UG/G	10K
A34205	ACENAPHTHENE	UG/G	10K
A34616	2,4-DINITROPHENOL	UG/G	10K
A34646	4-NITROPHENOL	UG/G	10K
A81302	DIBENZOFURAN	UG/G	10K
A34611	2,4-DINITROTOLUENE	UG/G	10K
A34336	DIETHYLPHTHALATE	UG/G	10K
A34641	4-CHLOROPHENYL PHENYL ETHER	UG/G	10K
A34381	FLUORENE	UG/G	10K
A00000	4-NITROANILINE	UG/G	10K
A00000	4,6-DINITRO-2-METHYLPHENOL	UG/G	10K
A34636	4-BROMOPHENYL PHENYL ETHER	UG/G	10K
A39700	HEXACHLOROBENZENE	UG/G	10K
A39032	PENTACHLOROPHENOL	UG/G	10K
A34461	PHENANTHRENE	UG/G	10K
A34220	ANTHRACENE	UG/G	10K
A39110	DI-N-BUTYLPHTHALATE	UG/G	10K
A34376	FLUORANTHENE	UG/G	10K
A34469	PYRENE	UG/G	10K
A34292	BUTYL BENZYL PHTHALATE	UG/G	10K
A34631	3,3'-DICHLOROBENZIDINE	UG/G	10K
A34526	BENZO(A)ANTHRACENE	UG/G	10K
A34320	CHRYSENE	UG/G	10K
A39100	BIS(2-ETHYLHEXYL)PHTHALATE	UG/G	10K
A34596	DI-N-OCTYLPHTHALATE	UG/G	10K
A34230	BENZO(B)FLUORANTHENE	UG/G	10K
A34242	BENZO(K)FLUORANTHENE	UG/G	10K
A34247	BENZO(A)PYRENE	UG/G	10K
A34403	INDENO(1,2,3-CD)PYRENE	UG/G	10K
A34556	DIBENZO(AH)ANTHRACENE	UG/G	10K
A34521	BENZO(GHI)PERYLENE	UG/G	10K
A34418	CHLOROMETHANE	UG/G	1.0K
A34413	BROMOMETHANE	UG/G	1.0K
A39175	VINYL CHLORIDE	UG/G	1.0K
A34311	CHLOROETHANE	UG/G	1.0K
A34423	METHYLENE CHLORIDE	UG/G	0.5K
A81552	ACETONE	UG/G	1.0K
A34488	TRICHLOROFLUOROMETHANE	UG/G	0.5K

SAMPLE NUMBER 0869599

A77277	BROMOCHLOROMETHANE	UG/G	0.5K
A77041	CARBON DISULFIDE	UG/G	0.5K
A34501	1,1-DICHLOROETHYLENE	UG/G	0.5K
A34496	1,1-DICHLOROETHANE	UG/G	0.5K
A34546	TRANS-1,2-DICHLOROETHYLENE	UG/G	0.5K
A77093	CIS-1,2-DICHLOROETHYLENE	UG/G	0.5K
A32106	CHLOROFORM	UG/G	0.5K
A34531	1,2-DICHLOROETHANE	UG/G	0.5K
A31595	2-BUTANONE(MEK)	UG/G	1.0K
A34506	1,1,1-TRICHLOROETHANE	UG/G	0.5K
A32102	CARBON TETRACHLORIDE	UG/G	0.5K
A77057	VINYL ACETATE	UG/G	1.0K
A32101	DICHLOROBROMOMETHANE	UG/G	0.5K
A34541	1,2-DICHLOROPROPANE	UG/G	0.5K
A34704	CIS-1,3-DICHLOROPROPENE	UG/G	0.5K
A39160	TRICHLOROETHYLENE	UG/G	0.5K
A32105	CHLORODIBROMOMETHANE	UG/G	0.5K
A34511	1,1,2-TRICHLOROETHANE	UG/G	0.5K
A78124	BENZENE	UG/G	0.5K
A34699	TRANS-1,3-DICHLOROPROPENE	UG/G	0.5K
A34576	2-CHLOROETHYLVINYL ETHER	UG/G	0.5K
A32104	BROMOFORM	UG/G	0.5K
A78133	4-METHYL-2-PENTANONE(MIBK)	UG/G	1.0K
A77103	2-HEXANONE(MBK)	UG/G	1.0K
A34475	TETRACHLOROETHYLENE	UG/G	0.5K
A34516	1,1,2,2-TETRACHLOROETHANE	UG/G	0.5K
A78131	TOLUENE	UG/G	0.5K
A34301	CHLOROBENZENE	UG/G	0.5K
A78113	ETHYLBENZENE	UG/G	0.5K
A77128	STYRENE	UG/G	0.5K
A81551	XYLENE	UG/G	0.5K

THE FOLLOWING QUANTITATIONS ARE APPROXIMATE

ALIPHATIC HYDROCARBONS	UG/G	2200
OTHER ORGANIC COMPOUNDS	UG/G	270

RECORD CODE L | C | S | M | 0 | 1 | TRANS CODE A

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

C806184

REPORT DUE DATE 36 M / D / Y 41

FEDERAL ID NUMBER

SITE INVENTORY NUMBER 163045005 6 (9–18)
REGION Southern CO. St Clair
E St. Louis / Lefton Iron and Metal
FACILITY NAME

MONITOR POINT NUMBER X 102 (19–22) (see Instructions)
DATE COLLECTED 12 05 88 (23 M D Y 28)
IEPA LAB (x or Blank) X (29) (see Instructions)

FOR IEPA USE ONLY — COMPLAINT NO. C87025

DATE RECEIVED 42 M / D / Y 47
SAMPLING PURPOSE CODE 4 (48) (see Instructions)
TIME CARD PROGRAM CODE L P 4 1 (49–52) & UNIT CODE (53)

BACKGROUND SAMPLE (X) (54)
TIME COLLECTED (24 HR CLOCK) 13 1 (55 H M 5)
UNABLE TO COLLECT SAMPLE (see Instructions) (59)
MONITOR POINT SAMPLED BY Q (60) (see Instructions) Woodson Iron OTHER (SPECIFY)
SAMPLE FIELD FILTERED - INORGANICS (X) (61) ORGANICS (X) (62)

SAMPLE APPEARANCE (63) SOIL COMPOSITE NEAR LOW AREA SW SMALL PR (102)

COLLECTOR COMMENTS (103) ESS E OF TRACKS

SPECIAL INSTRUCTIONS TO LAB SW-846 EP TOX Metals, TOTAL METAL CRI (142)

M.D. Grant	MDG	DLPC	UPS	
COLLECTED BY	INITIALS (143–145)	DIVISION OR COMPANY	TRANSPORTED BY	DIVISION OR COMPANY

LAB USE ONLY

LAB SAMPLE NO. C806184 LAB NAME [redacted] LAB ID NO. 000C (146–149)
DATE RECEIVED 12-8-88 AND ADDRESS Division of Laboratory Services
TIME RECEIVED 11:00 AM [illegible] [redacted]
SAMPLE TEMP OKAY Y (Y/N) SAMPLE PROPERLY PRESERVED Y (Y/N) DATE COMPLETED FORWARD MAR 15. 1989
LAB COMMENTS (150)

Daugherty (199)
SUPERVISOR SIGNATURE

RECORD CODE L | P | C | S | M | 0 | 2 | TRANS CODE A (COLUMNS 9-29 FROM ABOVE)

FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
DEPTH TO WATER (ft. below LS)	72019 (30–34)	(35)	(36)	(37)	(38–47)	(48)	(49)
ELEVATION OF GW SURFACE (ft. ref MSL)	71993						
TOTAL WELL DEPTH (ft. below LS)	72008						
pH (units) - Field	00400						
SPEC CONDUCTANCE (umhos) - Field	00094						
TEMP OF WATER SAMPLE (°F) - Field	00011						
DEPTH TO btm. CASING FROM M.P. (ft.)	72039						
DEPTH TO WATER FROM M.P. (ft.)	72109						
ELEVATION btm. CASING, MSL (ft.)	72020						
M.P. ELEVATION ABOVE L.S. (ft.)	82515						

RECEIVED MAR 16 1989 IEPA-DLPC

This Agency is authorized to require this information under Illinois Revised Statutes 1979 Chapter 111 1/2 Section 1004 and 1021. Disclosure of this information is required. Failure to do so may result in a civil

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

SAMPLE NUMBER : C806184
SAMPLING POINT DESC. : E. ST. LOUIS/LEFTON IRON AND METAL X102

SUBMITTING SOURCE # : SITE # : 1630450056
DATE COLLECTED : 881205 TIME COLLECTED : 1316 SAMPLING PROGRAM :

COLLECTED BY : MDG DELIVERED BY : UPS
COMMENTS : SOIL COMPOSITE NEAR LOW AREA SW SMALL PRESS E OF TRACKS
FUNDING CODE : LP41 AGENCY ROUTING : 00 UNIT CODE :
SAM TYPE CODE : LPSP SAMPLE PURPOSE CODE : 4 REPORTING INDICATOR :

DATE RECEIVED : 881208 TIME RECEIVED : 1100 RECEIVED BY : LJP
LAB OBSERVATIONS : TRIP BL SAM# :
SUPERVISORS INITIALS : JWD NOTE : K = LESS THAN VALUE

A10000	PH,FINAL TOX EXT	UNITS :	4.9	A10000	PH,INITIAL TOX EX	UNITS :	5.6
A14400	ARSENIC,EP TOX.	MG/L :	0.01K	A14400	ARSENIC,SW846 MET	MG/KG :	57K
A14500	BARIUM,EP TOX	MG/L :	0.5	A14500	BARIUM,SW846 MET	MG/KG :	120
A14600	CADMIUM,EP TOX.	MG/L :	0.025	A14600	CADMIUM,SW846 MET	MG/KG :	7[illegible]
A14700	CHROMIUM,EP TOX.	MG/L :	0.01K	A14700	CHROMIUM,SW846	MG/KG :	135
A15100	LEAD,EP TOXICITY	MG/L :	0.05K	A15100	LEAD,SW846 MET.	MG/KG :	207
A15300	MERCURY,EP TOX.	MG/L :	.0005K	A15300	MERCURY,SW846 EQ.	MG/KG :	17.
A15500	SELENIUM,EP TOX.	MG/L :	0.01K	A15500	SELENIUM,SW846	MG/KG :	50K

RECORD CODE 0069600 TRANS CODE

L P C S M 0 1 A

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

REPORT DUE DATE 36 M / D / Y 41

FEDERAL ID NUMBER 0069600

SITE INVENTORY NUMBER 9 16 3 0 4 5 0 0 5 6 18

REGION Southern CO. St Clair

E St Louis / Lefton Iron and Metal

FACILITY NAME

MONITOR POINT NUMBER (see Instructions) X 19 1 0 2 22

DATE COLLECTED 23 M 12 D 05 Y 88 25

IEPA LAB (x or Blank) (see Instructions) X 29

FOR IEPA USE ONLY

COMPLAINT NO. C 8 9 0 2 S

DATE RECEIVED 42 M / D / Y 47

SAMPLING PURPOSE CODE (see Instructions) 4 48

TIME CARD PROGRAM CODE 49 L P 4 1 52 & UNIT CODE 53

BACKGROUND SAMPLE (X) 54

TIME COLLECTED (24 HR CLOCK) 55 H 13 M 16 5

UNABLE TO COLLECT SAMPLE (see Instructions) 59

MONITOR POINT SAMPLED BY (see Instructions) Q 60 Woolen Spoon OTHER (SPECIFY)

SAMPLE FIELD FILTERED - INORGANICS (X) 61 ORGANICS (X) 62

SAMPLE APPEARANCE 63 SOIL COMPOSITE NEAR LOW AREA SW SMALL PR 102

COLLECTOR COMMENTS 103 ESS E OF TRACKS 142

SPECIAL INSTRUCTIONS TO LAB SW-846 - Organic Scan, PCBs

M.D. Grant	MD G	DLPC	UPS	
COLLECTED BY	INITIALS 143 145	DIVISION OR COMPANY	TRANSPORTED BY	DIVISION OR COMPANY

LAB USE ONLY

LAB SAMPLE NO. 0069600 LAB NAME Springfield LAB ID NO. 146 149

DATE RECEIVED DEC 7 1988 AND ADDRESS Springfield

TIME RECEIVED 4P

SAMPLE TEMP OKAY (Y/N) SAMPLE PROPERLY PRESERVED (Y/N) DATE COMPLETED FORWARD 1-19-89

LAB COMMENTS 150

J. Hurley 199

SUPERVISOR SIGNATURE

RECORD CODE L P C S M 0 2 TRANS CODE A (COLUMNS 9-29 FROM ABOVE)

FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL
* DEPTH TO WATER (ft. below LS)	72019					
ELEVATION OF GW SURFACE (ft. ref MSL)	71993					
TOTAL WELL DEPTH (ft. below LS)	72008					
pH (units) - Field	00400					
SPEC CONDUCTANCE (umhos) - Field	00094					
TEMP OF WATER SAMPLE (°F) - Field	00011					
DEPTH TO btm. CASING FROM M.P. (ft.)	72039					
DEPTH TO WATER FROM M.P. (ft.)	72109					
ELEVATION btm. CASING, MSL (ft.)	72020					
M.P. ELEVATION ABOVE L.S. (ft.)	82515					

RECEIVED JAN 20 1989 IEPA/DLPC

This Agency is authorized to require this information under Illinois Revised Statutes 1979 Chapter 111 1 2 Section 1004 and 1021 Disclosure of this information is required. Failure to do so may result in a civil

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

SAMPLE NUMBER : D869600
SAMPLING POINT DESC. : ESL/LEFTON IRON & METAL/X102

SUBMITTING SOURCE # : SITE # : 1630450056
DATE COLLECTED : 881205 TIME COLLECTED 1316 SAMPLING PROGRAM :

COLLECTED BY : M D GRANT DELIVERED BY : UPS
COMMENTS : SW 846, ORGANIC SCAN, PCBS
FUNDING CODE : LP41 AGENCY ROUTING : -- UNIT CODE :
SAM TYPE CODE SAMPLE PURPOSE CODE : 4 REPORTING INDICATOR

DATE RECEIVED : 881207 TIME RECEIVED : 1000 RECEIVED BY : RWN
LAB OBSERVATIONS 6OZ SOIL TRIP BL SAM# :
SUPERVISORS INITIALS : JTH NOTE : K = LESS THAN VALUE

A39519	TOTAL PCBS	UG/G :	57
A34694	PHENOL	UG/G :	10K
A34273	BIS(2-CHLOROETHYL)ETHER	UG/G :	10K
A34586	2-CHLOROPHENOL	UG/G :	10K
A34566	1,3-DICHLOROBENZENE	UG/G :	10K
A34571	1,4-DICHLOROBENZENE	UG/G :	10K
A77147	BENZYL ALCOHOL	UG/G :	10K
A34536	1,2-DICHLOROBENZENE	UG/G :	10K
A00000	2-METHYLPHENOL	UG/G :	10K
A34283	BIS(2-CHLOROISOPROPYL)ETHER	UG/G :	10K
A00000	4-METHYLPHENOL	UG/G :	10K
A34428	N-NITROSO-DI-N-PROPYLAMINE	UG/G :	10K
A34396	HEXACHLOROETHANE	UG/G :	10K
A34447	NITROBENZENE	UG/G :	10K
A34408	ISOPHORONE	UG/G :	10K
A34591	2-NITROPHENOL	UG/G :	10K
A34606	2,4-DIMETHYLPHENOL	UG/G :	10K
A77247	BENZOIC ACID	UG/G :	10K
A34278	BIS(2-CHLOROETHOXY)METHANE	UG/G :	10K
A34601	2,4-DICHLOROPHENOL	UG/G :	10K
A34551	1,2,4-TRICHLOROBENZENE	UG/G :	10K
A34696	NAPHTHALENE	UG/G :	10K
A00000	4-CHLOROANILINE	UG/G :	10K
A34391	HEXACHLOROBUTADIENE	UG/G :	10K
A34452	4-CHLORO-3-METHYLPHENOL	UG/G :	10K
A77416	2-METHYLNAPHTHALENE	UG/G :	10K
A34386	HEXACHLOROCYCLOPENTADIENE	UG/G :	10K
A34621	2,4,6-TRICHLOROPHENOL	UG/G :	10K
A77687	2,4,5-TRICHLOROPHENOL	UG/G :	10K

SAMPLE NUMBER D869600

A34581	2-CHLORONAPHTHALENE	UG/G	10K
A00000	2-NITROANILINE	UG/G	10K
A34341	DIMETHYLPHTHALATE	UG/G	10K
A34200	ACENAPHTHYLENE	UG/G	10K
A34626	2,6-DINITROTOLUENE	UG/G	10K
A78300	3-NITROANILINE	UG/G	10K
A34205	ACENAPHTHENE	UG/G	10K
A34616	2,4-DINITROPHENOL	UG/G	10K
A34646	4-NITROPHENOL	UG/G	10K
A81302	DIBENZOFURAN	UG/G	10K
A34611	2,4-DINITROTOLUENE	UG/G	10K
A34336	DIETHYLPHTHALATE	UG/G	10K
A34641	4-CHLOROPHENYL PHENYL ETHER	UG/G	10K
A34381	FLUORENE	UG/G	10K
A00000	4-NITROANILINE	UG/G	10K
A00000	4,6-DINITRO-2-METHYLPHENOL	UG/G	10K
A34636	4-BROMOPHENYL PHENYL ETHER	UG/G	10K
A39700	HEXACHLOROBENZENE	UG/G	10K
A39032	PENTACHLOROPHENOL	UG/G	10K
A34461	PHENANTHRENE	UG/G	10
A34220	ANTHRACENE	UG/G	10K
A39110	DI-N-BUTYLPHTHALATE	UG/G	10K
A34376	FLUORANTHENE	UG/G	10K
A34469	PYRENE	UG/G	10K
A34292	BUTYL BENZYL PHTHALATE	UG/G	10K
A34631	3,3'-DICHLOROBENZIDINE	UG/G	10K
A34526	BENZO(A)ANTHRACENE	UG/G	10K
A34320	CHRYSENE	UG/G	10K
A39100	BIS(2-ETHYLHEXYL)PHTHALATE	UG/G	25
A34596	DI-N-OCTYLPHTHALATE	UG/G	10K
A34230	BENZO(B)FLUORANTHENE	UG/G	10K
A34242	BENZO(K)FLUORANTHENE	UG/G	10K
A34247	BENZO(A)PYRENE	UG/G	10K
A34403	INDENO(1,2,3-CD)PYRENE	UG/G	10K
A34556	DIBENZO(AH)ANTHRACENE	UG/G	10K
A34521	BENZO(GHI)PERYLENE	UG/G	10K
A34419	CHLOROMETHANE	UG/G	1.0K
A34413	BROMOMETHANE	UG/G	1.0K
A39175	VINYL CHLORIDE	UG/G	1.0K
A34311	CHLOROETHANE	UG/G	1.0K
A34423	METHYLENE CHLORIDE	UG/G	0.5K
A81552	ACETONE	UG/G	1.0K
A34488	TRICHLOROFLUOROMETHANE	UG/G	0.5K

SAMPLE NUMBER D869600

A77277	BROMOCHLOROMETHANE	UG/G	0.5K
A77041	CARBON DISULFIDE	UG/G	0.5K
A34501	1,1-DICHLOROETHYLENE	UG/G	0.5K
A34496	1,1-DICHLOROETHANE	UG/G	0.5K
A34546	TRANS-1,2-DICHLOROETHYLENE	UG/G	0.5K
A77093	CIS-1,2-DICHLOROETHYLENE	UG/G	0.5K
A32106	CHLOROFORM	UG/G	0.5K
A34531	1,2-DICHLOROETHANE	UG/G	0.5K
A31595	2-BUTANONE(MEK)	UG/G	1.0K
A34506	1,1,1-TRICHLOROETHANE	UG/G	0.5K
A32102	CARBON TETRACHLORIDE	UG/G	0.5K
A77057	VINYL ACETATE	UG/G	1.0K
A32101	DICHLOROBROMOMETHANE	UG/G	0.5K
A34541	1,2-DICHLOROPROPANE	UG/G	0.5K
A34704	CIS-1,3-DICHLOROPROPENE	UG/G	0.5K
A39180	TRICHLOROETHYLENE	UG/G	0.5K
A32105	CHLORODIBROMOMETHANE	UG/G	0.5K
A34511	1,1,2-TRICHLOROETHANE	UG/G	0.5K
A78124	BENZENE	UG/G	0.5K
A34699	TRANS-1,3-DICHLOROPROPENE	UG/G	0.5K
A34576	2-CHLOROETHYLVINYL ETHER	UG/G	0.5K
A32104	BROMOFORM	UG/G	0.5K
A78133	4-METHYL-2-PENTANONE(MIBK)	UG/G	1.0K
A77103	2-HEXANONE(MBK)	UG/G	1.0K
A34475	TETRACHLOROETHYLENE	UG/G	0.5K
A34516	1,1,2,2-TETRACHLOROETHANE	UG/G	0.5K
A78131	TOLUENE	UG/G	0.5K
A34301	CHLOROBENZENE	UG/G	0.5K
A78113	ETHYLBENZENE	UG/G	0.5K
A77128	STYRENE	UG/G	0.5K
A31551	XYLENE	UG/G	0.5K

: THE FOLLOWING QUANTITATIONS ARE APPROXIMATE

TRIMETHYL NAPHTHALENE	UG/G	37
ALIPHATIC HYDROCARBONS	UG/G	2200
OTHER ORGANIC COMPOUNDS	UG/G	100

CODE L P C S M 0 1 CODE A

DIVISION OF LAND POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

REPORT DUE DATE 36 M / D / Y 41

FEDERAL ID NUMBER C806185

SITE INVENTORY NUMBER 9 1 6 3 0 4 5 0 0 5 6 18

REGION Southern CO. St Clair

E St. Louis / Lefton Iron and Metal

FACILITY NAME

MONITOR POINT NUMBER (see Instructions) X 19 1 0 3 22

DATE COLLECTED 23 M 12 D 05 Y 88 25

IEPA LAB (x or Blank) (see Instructions) X 29

FOR IEPA USE ONLY

COMPLAINT NO. C 8 7 0 2 S

DATE RECEIVED 42 M / D / Y 47

SAMPLING PURPOSE CODE (see Instructions) 4 48

TIME CARD PROGRAM CODE 49 L P 4 1 52 & UNIT CODE 53

BACKGROUND SAMPLE (X) 54

TIME COLLECTED (24 HR CLOCK) 55 H 13 M 4

UNABLE TO COLLECT SAMPLE (see Instructions) 59

MONITOR POINT SAMPLED BY (see Instructions) Q 60 SS TROWEL OTHER (SPECIFY)

SAMPLE FIELD FILTERED - INORGANICS (X) 61 ORGANICS (X)

SAMPLE APPEARANCE 63 SOIL COMPOSITE NW END SHEAR HOUSE NEAR S 102

COLLECTOR COMMENTS 103 HAKER TABLE 142

SPECIAL INSTRUCTIONS TO LAB SW-846 EP TOX Metals, TOTAL METALS

M.D. Grant COLLECTED BY | MDG INITIALS 143 145 | DLPC DIVISION OR COMPANY | UPS TRANSPORTED BY | DIVISION OR COMPANY

LAB USE ONLY

LAB SAMPLE NO. C806185 LAB NAME Environmental Protection Agency Division of Laboratory Services 2200 W. Taylor Street Springfield, Illinois 60612 LAB ID NO. 146 0 0 0 C 149

DATE RECEIVED 12-8-88 AND ADDRESS

TIME RECEIVED 11:00 AM

SAMPLE TEMP OKAY Y (Y/N) SAMPLE PROPERLY PRESERVED Y (Y/N) DATE COMPLETED FORWARD MAR 16 1989

LAB COMMENTS 150

199

J Daugherty

SUPERVISOR SIGNATURE

RECORD CODE L P C S M 0 2 TRANS CODE A (COLUMNS 9-29 FROM ABOVE)

FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL
DEPTH TO WATER (ft. below LS)	72019					
ELEVATION OF GW SURFACE (ft. ref MSL)	71993					
TOTAL WELL DEPTH (ft. below LS)	72008					
pH (units) - Field	00400					
SPEC CONDUCTANCE (umhos) - Field	00094					
TEMP OF WATER SAMPLE (°F) - Field	00011				RECEIVED	
DEPTH TO btm. CASING FROM M.P. (ft.)	72039				MAR 17 1989	
DEPTH TO WATER FROM M.P. (ft.)	72109				IEPA-DLPC	
ELEVATION btm. CASING, MSL (ft.)	72020					
M.P. ELEVATION ABOVE L.S. (ft.)	82515					

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ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

SAMPLE NUMBER : C806185
SAMPLING POINT DESC. : E. ST. LOUIS/LEFTON IRON AND METAL X103

SUBMITTING SOURCE # : SITE # : 1630450056
DATE COLLECTED : 881205 TIME COLLECTED : 1345 SAMPLING PROGRAM :

COLLECTED BY : MDG DELIVERED BY : UPS
COMMENTS : SOIL COMPOSITE NW END SHEAR HOUSE NEAR SHAKER TABLE
FUNDING CODE : LF41 AGENCY ROUTING : 00 UNIT CODE :
SAM TYPE CODE : LFSP SAMPLE PURPOSE CODE : - REPORTING INDICATOR :

DATE RECEIVED : 881208 TIME RECEIVED : 1100 RECEIVED BY : LJP
LAB OBSERVATIONS : TRIP BL SAM# :
SUPERVISORS INITIALS : JWD NOTE : K = LESS THAN VALUE

A10000	PH,FINAL TOX EXT	UNITS :	5.2	A10000	PH,INITIAL TOX EX	UNITS :	5.3
A14400	ARSENIC,EP TOX.	MG/L :	0.01K	A14400	ARSENIC,SW846 MET	MG/KG :	130
A14500	BARIUM,EP TOX	MG/L :	0.7	A14500	BARIUM,SW846 MET	MG/KG :	300
A14600	CADMIUM,EP TOX.	MG/L :	0.008	A14600	CADMIUM,SW846 MET	MG/KG :	[illegible]
A14700	CHROMIUM,EP TOX.	MG/L :	0.01K	A14700	CHROMIUM,SW846	MG/KG :	627
A15100	LEAD,EP TOXICITY	MG/L :	0.05K	A15100	LEAD,SW846 MET.	MG/KG :	447
A15300	MERCURY,EP TOX.	MG/L :	.0005K	A15300	MERCURY,SW846 EQ.	MG/KG :	23.
A15500	SELENIUM,EP TOX.	MG/L :	0.01K	A15500	SELENIUM,SW846	MG/KG :	50K

CODE 306760 CODE
L P C S M 0 1 A

DIVISION OF LAND POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

D069601

REPORT DUE DATE 36 M __/__ D __/__ Y 41

FEDERAL ID NUMBER

SITE INVENTORY NUMBER 1630450056 (9–18)

REGION Southern CO. St Clair

E St. Louis / Lefton Iron and Metal

FACILITY NAME

MONITOR POINT NUMBER X 103 (see Instructions) (19–22)

DATE COLLECTED 12 05 88 (23 M D Y 28)

IEPA LAB (x or Blank) X (see Instructions) (29)

FOR IEPA USE ONLY

COMPLAINT NO. C89025

DATE RECEIVED 42 M __/__ D __/__ Y 47

SAMPLING PURPOSE CODE 4 (see Instructions) (48)

TIME CARD PROGRAM CODE L P 4 1 (49–52) & UNIT CODE (53)

BACKGROUND SAMPLE (X) (54)

TIME COLLECTED (24 HR CLOCK) 13 45 (55 H M 5)

UNABLE TO COLLECT SAMPLE (see Instructions) (59)

MONITOR POINT SAMPLED BY Q (see Instructions) (60) SS TROWEL OTHER (SPECIFY)

SAMPLE FIELD FILTERED - INORGANICS (X) (61) ORGANICS (X) (62)

SAMPLE APPEARANCE (63) SOIL COMPOSITE NW END SHEAR HOUSE NEAR S (102)

COLLECTOR COMMENTS (103) HAKER TABLE (142)

SPECIAL INSTRUCTIONS TO LAB SW-846 Organics, PCBs

M.D. Grant — COLLECTED BY; MDG (143–145) INITIALS; DLPC — DIVISION OR COMPANY; UPS — TRANSPORTED BY; DIVISION OR COMPANY

LAB USE ONLY

LAB SAMPLE NO. 069601 Rem

LAB NAME Spgfld

LAB ID NO. (146–149)

DATE RECEIVED DEC 7 1988

AND ADDRESS Spgfld

TIME RECEIVED 4P

SAMPLE TEMP OKAY (Y/N) SAMPLE PROPERLY PRESERVED (Y/N) DATE COMPLETED FORWARD 1-19-8

LAB COMMENTS (150)

J. Hurley (199)

SUPERVISOR SIGNATURE

RECORD CODE L P C S M 0 2 TRANS CODE A (COLUMNS 9-29 FROM ABOVE)

FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL
DEPTH TO WATER (ft. below LS)	72019					
ELEVATION OF GW SURFACE (ft. ref MSL)	71993					
TOTAL WELL DEPTH (ft. below LS)	72008					
pH (units) - Field	00400					
SPEC CONDUCTANCE (umhos) - Field	00094					
TEMP OF WATER SAMPLE (°F) - Field	00011					
DEPTH TO btm. CASING FROM M.P. (ft.)	72039					
DEPTH TO WATER FROM M.P. (ft.)	72109					
ELEVATION btm. CASING, MSL (ft.)	72020					
M.P. ELEVATION ABOVE L.S. (ft.)	82515					

RECEIVED JAN 20 1989 IEPA/DLPC

This Agency is authorized to require this information under Illinois Revised Statutes 1979 Chapter 111 1/2 Section 1004 and 1021. Disclosure of this information is required. Failure to do so may result in a civil

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

SAMPLE NUMBER : D869601
SAMPLING POINT DESC. : EST/LEFTON IRON & METAL/X103

SUBMITTING SOURCE # : SITE # : 1630450056
DATE COLLECTED : 881205 TIME COLLECTED : 1345 SAMPLING PROGRAM :

COLLECTED BY : M D GRANT DELIVERED BY : UPS
COMMENTS : SW 846, ORGANIC SCAN, PCBS
FUNDING CODE : LP41 AGENCY ROUTING : -- UNIT CODE :
SAM TYPE CODE : SAMPLE PURPOSE CODE : 4 REPORTING INDICATOR

DATE RECEIVED 881207 TIME RECEIVED : 1000 RECEIVED BY RWN
LAB OBSERVATIONS : 6OZ SOIL TRIP BL SAM# :
SUPERVISORS INITIALS : JTH NOTE : K = LESS THAN VALUE

A39519	TOTAL PCBS	UG/G :	53
A34694	PHENOL	UG/G :	10K
A34273	BIS(2-CHLOROETHYL)ETHER	UG/G :	10K
A34586	2-CHLOROPHENOL	UG/G :	10K
A34566	1,3-DICHLOROBENZENE	UG/G :	10K
A34571	1,4-DICHLOROBENZENE	UG/G :	10K
A77147	BENZYL ALCOHOL	UG/G :	10K
A34536	1,2-DICHLOROBENZENE	UG/G :	10K
A00000	2-METHYLPHENOL	UG/G :	10K
A34283	BIS(2-CHLOROISOPROPYL)ETHER	UG/G :	10K
A00000	4-METHYLPHENOL	UG/G :	10K
A34428	N-NITROSO-DI-N-PROPYLAMINE	UG/G :	10K
A34396	HEXACHLOROETHANE	UG/G :	10K
A34447	NITROBENZENE	UG/G :	10K
A34408	ISOPHORONE	UG/G :	10K
A34591	2-NITROPHENOL	UG/G :	10K
A34606	2,4-DIMETHYLPHENOL	UG/G :	10K
A77247	BENZOIC ACID	UG/G :	10K
A34278	BIS(2-CHLOROETHOXY)METHANE	UG/G :	10K
A34601	2,4-DICHLOROPHENOL	UG/G :	10K
A34551	1,2,4-TRICHLOROBENZENE	UG/G :	10K
A34696	NAPHTHALENE	UG/G :	10K
A00000	4-CHLOROANILINE	UG/G :	10K
A34391	HEXACHLOROBUTADIENE	UG/G :	10K
A34452	4-CHLORO-3-METHYLPHENOL	UG/G :	10K
A77416	2-METHYLNAPHTHALENE	UG/G :	10K
A34386	HEXACHLOROCYCLOPENTADIENE	UG/G :	10K
A34621	2,4,6-TRICHLOROPHENOL	UG/G :	10K
A77687	2,4,5-TRICHLOROPHENOL	UG/G :	10K

SAMPLE NUMBER D869601

A34581	2-CHLORONAPHTHALENE	UG/G	10K
A00000	2-NITROANILINE	UG/G	10K
A34341	DIMETHYLPHTHALATE	UG/G	10K
34200	ACENAPHTHYLENE	UG/G	10K
A34626	2,6-DINITROTOLUENE	UG/G	10K
A78300	3-NITROANILINE	UG/G	10K
A34205	ACENAPHTHENE	UG/G	10K
A34616	2,4-DINITROPHENOL	UG/G	10K
A34646	4-NITROPHENOL	UG/G	10K
A81302	DIBENZOFURAN	UG/G	10K
A34611	2,4-DINITROTOLUENE	UG/G	10K
A34336	DIETHYLPHTHALATE	UG/G	10K
A34641	4-CHLOROPHENYL PHENYL ETHER	UG/G	10K
A34381	FLUORENE	UG/G	10K
A00000	4-NITROANILINE	UG/G	10K
A00000	4,6-DINITRO-2-METHYLPHENOL	UG/G	10K
A34636	4-BROMOPHENYL PHENYL ETHER	UG/G	10K
A39700	HEXACHLOROBENZENE	UG/G	10K
A39032	PENTACHLOROPHENOL	UG/G	10K
A34461	PHENANTHRENE	UG/G	22
A34220	ANTHRACENE	UG/G	10K
A39110	DI-N-BUTYLPHTHALATE	UG/G	10K
A34376	FLUORANTHENE	UG/G	14
A34469	PYRENE	UG/G	15
A34292	BUTYL BENZYL PHTHALATE	UG/G	10
A34631	3,3'-DICHLOROBENZIDINE	UG/G	33
A34526	BENZO(A)ANTHRACENE	UG/G	10K
A34320	CHRYSENE	UG/G	10K
A39100	BIS(2-ETHYLHEXYL)PHTHALATE	UG/G	56
A34596	DI-N-OCTYLPHTHALATE	UG/G	10K
A34230	BENZO(B)FLUORANTHENE	UG/G	10K
A34242	BENZO(K)FLUORANTHENE	UG/G	10K
A34247	BENZO(A)PYRENE	UG/G	10K
A34403	INDENO(1,2,3-CD)PYRENE	UG/G	10K
A34556	DIBENZO(AH)ANTHRACENE	UG/G	10K
A34521	BENZO(GHI)PERYLENE	UG/G	10K
A34418	CHLOROMETHANE	UG/G	1.0K
A34413	BROMOMETHANE	UG/G	1.0K
A39175	VINYL CHLORIDE	UG/G	1.0K
A34311	CHLOROETHANE	UG/G	1.0K
A34423	METHYLENE CHLORIDE	UG/G	0.5K
A81552	ACETONE	UG/G	1.0K
A34488	TRICHLOROFLUOROMETHANE	UG/G	0.5K

SAMPLE NUMBER D869601

A77277	BROMOCHLOROMETHANE	UG/G	0 5K
A77041	CARBON DISULFIDE	UG/G	0.5K
A34501	1,1-DICHLOROETHYLENE	UG/G	0.5K
A34496	1,1-DICHLOROETHANE	UG/G	0.5K
A34546	TRANS-1,2-DICHLOROETHYLENE	UG/G	0 5K
A77093	CIS-1,2-DICHLOROETHYLENE	UG/G	0.5K
A32106	CHLOROFORM	UG/G	0.5K
A34531	1,2-DICHLOROETHANE	UG/G	0.5K
A81595	2-BUTANONE(MEK)	UG/G	1.0K
A34506	1,1,1-TRICHLOROETHANE	UG/G	0.5K
A32102	CARBON TETRACHLORIDE	UG/G	0.5K
A77057	VINYL ACETATE	UG/G	1.0K
A32101	DICHLOROBROMOMETHANE	UG/G	0 5K
A34541	1,2-DICHLOROPROPANE	UG/G	0.5K
A34704	CIS-1,3-DICHLOROPROPENE	UG/G	0.5K
A39180	TRICHLOROETHYLENE	UG/G	0.5K
A32105	CHLORODIBROMOMETHANE	UG/G	0.5K
A34511	1,1,2-TRICHLOROETHANE	UG/G	0.5K
A78124	BENZENE	UG/G	0.5K
A34699	TRANS-1,3-DICHLOROPROPENE	UG/G	0.5K
A34576	2-CHLOROETHYLVINYL ETHER	UG/G	0.5K
A32104	BROMOFORM	UG/G	0.5K
A78133	4-METHYL-2-PENTANONE(MIBK)	UG/G	1.0K
A77103	2-HEXANONE(MBK)	UG/G	1.0K
A34475	TETRACHLOROETHYLENE	UG/G	0.5K
A34516	1,1,2,2-TETRACHLOROETHANE	UG/G	0.5K
A78131	TOLUENE	UG/G	0 5K
A34301	CHLOROBENZENE	UG/G	0.5K
A78113	ETHYLBENZENE	UG/G	0.5K
A77128	STYRENE	UG/G	0.5K
A81551	XYLENE	UG/G	0.5K

THE FOLLOWING QUANTITATIONS ARE APPROXIMATE

OTHER METHYL NAPHTHALENES	UG/G	21
DIMETHYL NAPHTHALENES	UG/G	140
TRIMETHYL NAPHTHALENES	UG/G	190
METHYL PHENANTHRENE#	UG/G	80
DIMETHYL PHENANTHRENE#	UG/G	58
METHYL PYRENE#	UG/G	33
ALIPHATIC HYDROCARBONS	UG/G	1200
OTHER ORGANIC COMPOUNDS	UG/G	1400

#TENTATIVE IDENTIFICATION

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

Page 1 of 1

CODE S M 0 1 | CODE A

REPORT DUE DATE 36 M / D / Y 41

FEDERAL ID NUMBER C806186

SITE INVENTORY NUMBER 163045005 6 (9–18)
REGION Southern CO. St Clair
E St. Louis / Lefton Iron and Metal
FACILITY NAME

MONITOR POINT NUMBER X 1 0 4 (19–22) (see Instructions)
DATE COLLECTED 12 05 88 (23 M D Y 28)
IEPA LAB (x or Blank) X (29) (see Instructions)

FOR IEPA USE ONLY — COMPLAINT NO. C 8 7 0 2 S

DATE RECEIVED 42 M / D / Y 47
SAMPLING PURPOSE CODE 4 (48) (see Instructions)
TIME CARD PROGRAM CODE L P 4 1 (49–52) & UNIT CODE 53

BACKGROUND SAMPLE (X) 54
TIME COLLECTED (24 HR CLOCK) 14:00 (55 H M 58)
UNABLE TO COLLECT SAMPLE (see Instructions) 59
MONITOR POINT SAMPLED BY Q (60) (see Instructions) SS Trowell OTHER (SPECIFY)
SAMPLE FIELD FILTERED - INORGANICS (X) 61 ORGANICS (X) 6

SAMPLE APPEARANCE 63 SOIL SAMPLE BELOW DI SCHARGE PIPE NW SHEA 102

COLLECTOR COMMENTS 103 R HOUSE 142

SPECIAL INSTRUCTIONS TO LAB SW-846 EP TOX Metals, Total Metals R1

M.D. Grant — COLLECTED BY
MDG (143–145) INITIALS
DLPC — DIVISION OR COMPANY
UPS — TRANSPORTED BY
DIVISION OR COMPANY

LAB USE ONLY

LAB SAMPLE NO. C806186 LAB NAME Environmental Protection Agency Division of Laboratory Services 2121 W. Taylor Street Chicago, Illinois 60612 LAB ID NO. 0 0 0 C (146–149)
DATE RECEIVED 12-8-88 AND ADDRESS
TIME RECEIVED 11:00 AM R.J. Carlin
SAMPLE TEMP OKAY Y (Y/N) SAMPLE PROPERLY PRESERVED Y (Y/N) DATE COMPLETED FORWARD MAR 16. 1989
LAB COMMENTS 150 199

J Daugherty
SUPERVISOR SIGNATURE

RECORD CODE L P C S M 0 2 TRANS CODE A (COLUMNS 9-29 FROM ABOVE)

FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL
DEPTH TO WATER (ft. below LS)	72019					
ELEVATION OF GW SURFACE (ft. ref MSL)	71993					
TOTAL WELL DEPTH (ft. below LS)	72008					
pH (units) - Field	00400					
SPEC CONDUCTANCE (umhos) - Field	00094					
TEMP OF WATER SAMPLE (°F) - Field	00011					
DEPTH TO btm. CASING FROM M.P. (ft.)	72039					
DEPTH TO WATER FROM M.P. (ft.)	72109					
ELEVATION btm. CASING, MSL (ft.)	72020					
M.P. ELEVATION ABOVE L.S. (ft.)	82515					

RECEIVED MAR 24 1989 IEPA/DLPC

This Agency is authorized to require this information under Illinois Revised Statutes 1979 Chapter 111 1/2 Section 1004 and 1021 Disclosure of this information is required. Failure to do so may result in a civil

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

SAMPLE NUMBER : C806186
SAMPLING POINT DESC. : E. ST. LOUIS/LEFTON IRON AND METAL X104

SUBMITTING SOURCE # : SITE # : 1630450056
DATE COLLECTED : 881205 TIME COLLECTED : 1400 SAMPLING PROGRAM :

COLLECTED BY : MDG DELIVERED BY : UPS
COMMENTS : SOIL SAMPLE BELOW DISCHARGE PIPE NW SHEAR HOUSE
FUNDING CODE : LP41 AGENCY ROUTING : 00 UNIT CODE :
SAM TYPE CODE : LPSP SAMPLE PURPOSE CODE : 4 REPORTING INDICATOR :

DATE RECEIVED : 881208 TIME RECEIVED : 1100 RECEIVED BY : LJP
LAB OBSERVATIONS : TRIP BL SAM# :
SUPERVISORS INITIALS : JWD NOTE : K = LESS THAN VALUE

A10000	PH,FINAL TOX EXT	UNITS :	5.2	A10000	PH,INITIAL TOX EX	UNITS :	5.7
A14400	ARSENIC,EP TOX.	MG/L :	0.01K	A14400	ARSENIC,SW846 MET	MG/KG :	50[illegible]
A14500	BARIUM,EP TOX	MG/L :	1.6	A14500	BARIUM,SW846 MET	MG/KG :	14[illegible]
A14600	CADMIUM,EP TOX.	MG/L :	0.186	A14600	CADMIUM,SW846 MET	MG/KG :	[illegible].
A14700	CHROMIUM,EP TOX.	MG/L :	0.01K	A14700	CHROMIUM,SW846	MG/KG :	325
A15100	LEAD,EP TOXICITY	MG/L :	0.199	A15100	LEAD,SW846 MET.	MG/KG :	61[illegible]
A15300	MERCURY,EP TOX.	MG/L :	.0005K	A15300	MERCURY,SW846 EQ.	MG/KG :	16.
A15500	SELENIUM,EP TOX.	MG/L :	0.01K	A15500	SELENIUM,SW846	MG/KG :	10[illegible]

RECORD CODE D069602 TRANS CODE

L P C S M 0 1 A

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

D069602

REPORT DUE DATE 36 M / D / Y 41

FEDERAL ID NUMBER

SITE INVENTORY NUMBER 9 1 6 3 0 4 5 0 0 5 6 18

REGION Southern CO. St Clair

E St. Louis / Lefton Iron and Metal

FACILITY NAME

MONITOR POINT NUMBER (see Instructions) X 19 1 0 4 22

DATE COLLECTED 23 M 12 D 05 Y 88 25

IEPA LAB (x or Blank) (see Instructions) X 29

FOR IEPA USE ONLY

COMPLAINT NO. C 8 7 0 2 S

DATE RECEIVED 42 M / D / Y 47

SAMPLING PURPOSE CODE (see Instructions) 4 48

TIME CARD PROGRAM CODE 49 L P 4 1 52 & UNIT CODE 53

BACKGROUND SAMPLE (X) 54

TIME COLLECTED (24 HR CLOCK) 55 H 14 M 0

UNABLE TO COLLECT SAMPLE (see Instructions) 59

MONITOR POINT SAMPLED BY (see Instructions) Q 60 SS Trowell OTHER (SPECIFY)

SAMPLE FIELD FILTERED - INORGANICS (X) 61 ORGANICS (X) 6

SAMPLE APPEARANCE 63 SOIL SAMPLE BELOW DIS CHARGE PIPE NW SHERR 102

COLLECTOR COMMENTS 103 BLDG 142

SPECIAL INSTRUCTIONS TO LAB SW-846 Organic Scan, PCBs

M.D. Grant	MDG	DLPC	UPS	
COLLECTED BY	INITIALS 143 145	DIVISION OR COMPANY	TRANSPORTED BY	DIVISION OR COMPANY

LAB USE ONLY

LAB SAMPLE NO. D069602SG LAB NAME Springfield LAB ID NO. 146 149

DATE RECEIVED DEC 7 1988 AND ADDRESS

TIME RECEIVED

SAMPLE TEMP OKAY (Y/N) SAMPLE PROPERLY PRESERVED (Y/N) DATE COMPLETED FORWARD 1-19-89

LAB COMMENTS 150 199

J. Hurley
SUPERVISOR SIGNATURE

RECORD CODE L P C S M 0 2 TRANS CODE A (COLUMNS 9-29 FROM ABOVE)

FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL
DEPTH TO WATER (ft. below LS)	72019					
ELEVATION OF GW SURFACE (ft. ref MSL)	71993					
TOTAL WELL DEPTH (ft. below LS)	72008					
pH (units) - Field	00400					
SPEC CONDUCTANCE (umhos) - Field	00094					
TEMP OF WATER SAMPLE (°F) - Field	00011					
DEPTH TO btm. CASING FROM M.P. (ft.)	72039					
DEPTH TO WATER FROM M.P. (ft.)	72109					
ELEVATION btm. CASING, MSL (ft.)	72020					
SB M.P. ELEVATION ABOVE L.S. (ft.)	82515					

RECEIVED
JAN 20 1989
IEPA/DLPC

This Agency is authorized to require this information under Illinois Revised Statutes 1979 Chapter 111 1/2 Section 1004 and 1021. Disclosure of this information is required. Failure to do so may result in a civil

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

SAMPLE NUMBER : D869602
SAMPLING POINT DESC. : ESL/LEFTON IRON & METAL/X104

SUBMITTING SOURCE # : SITE # : 1630450056
DATE COLLECTED : 881205 TIME COLLECTED : 1400 SAMPLING PROGRAM :

COLLECTED BY : M D GRANT DELIVERED BY : UPS
COMMENTS SW 846, ORGANIC SCAN, PCBS
FUNDING CODE LP41 AGENCY ROUTING : -- UNIT CODE :
SAM TYPE CODE SAMPLE PURPOSE CODE : 4 REPORTING INDICATOR

DATE RECEIVED 881207 TIME RECEIVED : 1000 RECEIVED BY RWN
LAB OBSERVATIONS 6OZ SOIL TRIP BL SAM#
SUPERVISORS INITIALS : JTH NOTE : K = LESS THAN VALUE

A39519	TOTAL PCBS	UG/G :	120
A34694	PHENOL	UG/G :	10K
A34273	BIS(2-CHLOROETHYL)ETHER	UG/G	10K
A34586	2-CHLOROPHENOL	UG/G :	10K
A34566	1,3-DICHLOROBENZENE	UG/G	10K
A34571	1,4-DICHLOROBENZENE	UG/G :	10K
A77147	BENZYL ALCOHOL	UG/G :	10K
A34536	1,2-DICHLOROBENZENE	UG/G :	10K
A00000	2-METHYLPHENOL	UG/G	10K
A34283	BIS(2-CHLOROISOPROPYL)ETHER	UG/G :	10K
A00000	4-METHYLPHENOL	UG/G :	10K
A34428	N-NITROSO-DI-N-PROPYLAMINE	UG/G :	10K
A34396	HEXACHLOROETHANE	UG/G	10K
A34447	NITROBENZENE	UG/G :	10K
A34408	ISOPHORONE	UG/G	10K
A34591	2-NITROPHENOL	UG/G :	10K
A34606	2,4-DIMETHYLPHENOL	UG/G	10K
A77247	BENZOIC ACID	UG/G :	10K
A34278	BIS(2-CHLOROETHOXY)METHANE	UG/G :	10K
A34601	2,4-DICHLOROPHENOL	UG/G	10K
A34551	1,2,4-TRICHLOROBENZENE	UG/G :	10K
A34696	NAPHTHALENE	UG/G :	10K
A00000	4-CHLOROANILINE	UG/G :	10K
A34391	HEXACHLOROBUTADIENE	UG/G	10K
A34452	4-CHLORO-3-METHYLPHENOL	UG/G	10K
A77416	2-METHYLNAPHTHALENE	UG/G :	10K
A34386	HEXACHLOROCYCLOPENTADIENE	UG/G :	10K
A34621	2,4,6-TRICHLOROPHENOL	UG/G	10K
A77687	2,4,5-TRICHLOROPHENOL	UG/G :	10K

A34581	2-CHLORONAPHTHALENE	UG/G	10K
A00000	2-NITROANILINE	UG/G	10K
A34341	DIMETHYLPHTHALATE	UG/G	10K
A34200	ACENAPHTHYLENE	UG/G	10K
A34626	2,6-DINITROTOLUENE	UG/G	10K
A78300	3-NITROANILINE	UG/G	10K
A34205	ACENAPHTHENE	UG/G	10K
A34616	2,4-DINITROPHENOL	UG/G	10K
A34646	4-NITROPHENOL	UG/G	10K
A81302	DIBENZOFURAN	UG/G	10K
A34611	2,4-DINITROTOLUENE	UG/G	10K
A34336	DIETHYLPHTHALATE	UG/G	10K
A34641	4-CHLOROPHENYL PHENYL ETHER	UG/G	10K
A34381	FLUORENE	UG/G	10K
A00000	4-NITROANILINE	UG/G	10K
A00000	4,6-DINITRO-2-METHYLPHENOL	UG/G	10K
A34636	4-BROMOPHENYL PHENYL ETHER	UG/G	10K
A39700	HEXACHLOROBENZENE	UG/G	10K
A39032	PENTACHLOROPHENOL	UG/G	10K
A34461	PHENANTHRENE	UG/G	10K
A34220	ANTHRACENE	UG/G	10K
A39110	DI-N-BUTYLPHTHALATE	UG/G	10K
A34376	FLUORANTHENE	UG/G	10K
A34469	PYRENE	UG/G	10K
A34292	BUTYL BENZYL PHTHALATE	UG/G	10K
A34631	3,3'-DICHLOROBENZIDINE	UG/G	10K
A34526	BENZO(A)ANTHRACENE	UG/G	10K
A34320	CHRYSENE	UG/G	10K
A39100	BIS(2-ETHYLHEXYL)PHTHALATE	UG/G	10K
A34596	DI-N-OCTYLPHTHALATE	UG/G	10K
A34230	BENZO(B)FLUORANTHENE	UG/G	10K
A34242	BENZO(K)FLUORANTHENE	UG/G	10K
A34247	BENZO(A)PYRENE	UG/G	10K
A34403	INDENO(1,2,3-CD)PYRENE	UG/G	10K
A34556	DIBENZO(AH)ANTHRACENE	UG/G	10K
A34521	BENZO(GHI)PERYLENE	UG/G	10K
A34418	CHLOROMETHANE	UG/G	1.0K
A34413	BROMOMETHANE	UG/G	1.0K
A39175	VINYL CHLORIDE	UG/G	1.0K
A34311	CHLOROETHANE	UG/G	1.0K
A34423	METHYLENE CHLORIDE	UG/G	0.5K
A81552	ACETONE	UG/G	1.0K
A34488	TRICHLOROFLUOROMETHANE	UG/G	0.5K

SAMPLE NUMBER D869602

A77277	BROMOCHLOROMETHANE	UG/G	0.5K
A77041	CARBON DISULFIDE	UG/G	0.5K
A34501	1,1-DICHLOROETHYLENE	UG/G	0.5K
A34496	1,1-DICHLOROETHANE	UG/G	0.5K
A34546	TRANS-1,2-DICHLOROETHYLENE	UG/G	0.5K
A77093	CIS-1,2-DICHLOROETHYLENE	UG/G	0.5K
A32106	CHLOROFORM	UG/G	0.5K
A34531	1,2-DICHLOROETHANE	UG/G	0.5K
A81595	2-BUTANONE(MEK)	UG/G	1.0K
A34506	1,1,1-TRICHLOROETHANE	UG/G	0.5K
A32102	CARBON TETRACHLORIDE	UG/G	0.5K
A77057	VINYL ACETATE	UG/G	1.0K
A32101	DICHLOROBROMOMETHANE	UG/G	0.5K
A34541	1,2-DICHLOROPROPANE	UG/G	0.5K
A34704	CIS-1,3-DICHLOROPROPENE	UG/G	0.5K
A39180	TRICHLOROETHYLENE	UG/G	0.5K
A32105	CHLORODIBROMOMETHANE	UG/G	0.5K
A34511	1,1,2-TRICHLOROETHANE	UG/G	0.5K
A78124	BENZENE	UG/G	0.5K
A34699	TRANS-1,3-DICHLOROPROPENE	UG/G	0.5K
A34576	2-CHLOROETHYLVINYL ETHER	UG/G	0.5K
A32104	BROMOFORM	UG/G	0.5K
A78133	4-METHYL-2-PENTANONE(MIBK)	UG/G	1.0K
A77103	2-HEXANONE(MBK)	UG/G	1.0K
A34475	TETRACHLOROETHYLENE	UG/G	0.5K
A34516	1,1,2,2-TETRACHLOROETHANE	UG/G	0.5K
A78131	TOLUENE	UG/G	0.5K
A34301	CHLOROBENZENE	UG/G	0.5K
A78113	ETHYLBENZENE	UG/G	0.5K
A77128	STYRENE	UG/G	0.5K
A81551	XYLENE	UG/G	0.5K

THE FOLLOWING QUANTITATIONS ARE APPROXIMATE

ALIPHATIC HYDROCARBONS UG/G ; 130

OTHER ORGANIC COMPOUNDS UG/G ; 10

CODE L P C S M 0 1 — CODE A

DIVISION OF LAND POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

C806187

REPORT DUE DATE 36 M / D / Y 41

FEDERAL ID NUMBER

SITE INVENTORY NUMBER 9 1630450056 18

REGION Southern CO. St Clair

E St. Louis / Lefton Iron and Metal

FACILITY NAME

MONITOR POINT NUMBER (see Instructions) X 19 105 22

DATE COLLECTED 23 M 12 D 05 Y 88 25

IEPA LAB (x or Blank) (see Instructions) X 29

FOR IEPA USE ONLY — COMPLAINT NO. C87025

DATE RECEIVED 42 M / D / Y 47

SAMPLING PURPOSE CODE (see Instructions) 4 48

TIME CARD PROGRAM CODE 49 L P 4 1 52 & UNIT CODE 53

BACKGROUND SAMPLE (X) 54

TIME COLLECTED (24 HR CLOCK) 55 H 14 M 2

UNABLE TO COLLECT SAMPLE (see Instructions) 59

MONITOR POINT SAMPLED BY (see Instructions) 60 Q Wooden Spoon OTHER (SPECIFY)

SAMPLE FIELD FILTERED - INORGANICS (X) 61 ORGANICS (X) 6

SAMPLE APPEARANCE 63 SOIL COMPOSITE IN AREA NNE RIG PRESS WSW 102

COLLECTOR COMMENTS 103 SHEAR BLDG 142

SPECIAL INSTRUCTIONS TO LAB SW-846 EP TOX Metals, Total Metals R1

M.D. Grant — COLLECTED BY; MD G — INITIALS 143 145; DLPC — DIVISION OR COMPANY; UPS — TRANSPORTED BY; DIVISION OR COMPANY

LAB SAMPLE NO. C806187 LAB NAME ~~Environmental Protection Agency Division of Laboratory Services 2121 W. Taylor Street Chicago, Illinois 60612~~ LAB ID NO. 146 0 0 0 C 149

DATE RECEIVED 12-8-88 AND ADDRESS

TIME RECEIVED 11 00 am RP Parker

SAMPLE TEMP OKAY Y (Y/N) SAMPLE PROPERLY PRESERVED Y (Y/N) DATE COMPLETED FORWARD MAR 16 1989

LAB COMMENTS 150

199

J Daugherty

SUPERVISOR SIGNATURE

RECORD CODE L P C S M 0 2 TRANS CODE A (COLUMNS 9-29 FROM ABOVE)

FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL
* DEPTH TO WATER (ft. below LS)	72019					
ELEVATION OF GW SURFACE (ft. ref MSL)	71993					
TOTAL WELL DEPTH (ft. below LS)	72008					
pH (units) - Field	00400					
SPEC CONDUCTANCE (umhos) - Field	00094					
TEMP OF WATER SAMPLE (°F) - Field	00011					
DEPTH TO btm. CASING FROM M.P. (ft.)	72039					
DEPTH TO WATER FROM M.P. (ft.)	72109					
ELEVATION btm. CASING, MSL (ft.)	72020					
M.P. ELEVATION ABOVE L.S. (ft.)	82515					

RECEIVED MAR 24 1989 IEPA/DLPC

This Agency is authorized to require this information under Illinois Revised Statutes 1979 Chapter 111 1/2 Section 1004 and 1021. Disclosure of this information is required. Failure to do so may result in a civil

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

SAMPLE NUMBER : C806187
SAMPLING POINT DESC. : E. ST. LOUIS/LEFTON IRON AND METAL X105

SUBMITTING SOURCE # : SITE # : 1630450056
DATE COLLECTED : 881205 TIME COLLECTED : 1421 SAMPLING PROGRAM :

COLLECTED BY : MDG DELIVERED BY : UPS.
COMMENTS : SOIL COMPOSITE SW AREA NNE BIG PRESS SHEAR BLDG.
FUNDING CODE : LP41 AGENCY ROUTING : 00 UNIT CODE :
SAM TYPE CODE : LPSP SAMPLE PURPOSE CODE : 4 REPORTING INDICATOR :

DATE RECEIVED : 881208 TIME RECEIVED : 1100 RECEIVED BY : LJP
LAB OBSERVATIONS : TRIP BL SAM# :
SUPERVISORS INITIALS : JWD NOTE : K = LESS THAN VALUE

A10000	PH,FINAL TOX EXT	UNITS	: 5.2	A10000	PH,INITIAL TOX EX	UNITS	: 5.3
A14400	ARSENIC,EP TOX.	MG/L	: 0.01K	A14400	ARSENIC,SW846 MET	MG/KG	: 50K
A14500	BARIUM,EP TOX	MG/L	: 1.3	A14500	BARIUM,SW846 MET	MG/KG	: 525
A14600	CADMIUM,EP TOX.	MG/L	: 0.098	A14600	CADMIUM,SW846 MET	MG/KG	: [illegible].
A14700	CHROMIUM,EP TOX.	MG/L	: 0.01K	A14700	CHROMIUM,SW846	MG/KG	: 400
A15100	LEAD,EP TOXICITY	MG/L	: 2.002	A15100	LEAD,SW846 MET.	MG/KG	: 612
A15300	MERCURY,EP TOX.	MG/L	: .0005K	A15300	MERCURY,SW846 EQ.	MG/KG	: 13.
A15500	SELENIUM,EP TOX.	MG/L	: 0.01K	A15500	SELENIUM,SW846	MG/KG	: 50K

RECORD CODE L P C S M 0 1 — TRANS CODE A

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

D069603

REPORT DUE DATE 36 M / D / Y 41

FEDERAL ID NUMBER D069603

SITE INVENTORY NUMBER 1630450056 (9–18)

REGION Southern CO. St Clair

E St. Louis / Lefton Iron and Metal

FACILITY NAME

MONITOR POINT NUMBER X105 (19–22) (see Instructions)

DATE COLLECTED 12 05 88 (23 M D Y 25)

IEPA LAB (x or Blank) X (29) (see Instructions)

FOR IEPA USE ONLY — COMPLAINT NO. C87025

DATE RECEIVED 42 M / D / Y 47

SAMPLING PURPOSE CODE 4 (48) (see Instructions)

TIME CARD PROGRAM CODE LP41 (49–52) & UNIT CODE 53

BACKGROUND SAMPLE (X) 54

TIME COLLECTED (24 HR CLOCK) 14:2 (55 H M)

UNABLE TO COLLECT SAMPLE (see Instructions) 59

MONITOR POINT SAMPLED BY Q (60) (see Instructions) Woolen Spon OTHER (SPECIFY)

SAMPLE FIELD FILTERED - INORGANICS (X) 61 ORGANICS (X) 62

SAMPLE APPEARANCE 63 SOIL COMPOSITE IN AREA NNE BIG PRESS WSW 102

COLLECTOR COMMENTS 103 SHEAR ~~PRESS~~ BLDG 142

SPECIAL INSTRUCTIONS TO LAB SW-846 Organic Scan, PCBs

M.D. Grant — COLLECTED BY; MDG (143–145) INITIALS; DLPC — DIVISION OR COMPANY; UPS — TRANSPORTED BY; DIVISION OR COMPANY

LAB USE ONLY

LAB SAMPLE NO. D069603 LAB NAME Springfield LAB ID NO. 146 149

DATE RECEIVED DEC 7 1988 AND ADDRESS Springfield

TIME RECEIVED 4P

SAMPLE TEMP OKAY (Y/N) SAMPLE PROPERLY PRESERVED (Y/N) DATE COMPLETED FORWARD 1-19-8

LAB COMMENTS 150

J. Hurley 199

SUPERVISOR SIGNATURE

RECORD CODE L P C S M 0 2 — TRANS CODE A (COLUMNS 9-29 FROM ABOVE)

FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL
DEPTH TO WATER (ft. below LS)	72019					
ELEVATION OF GW SURFACE (ft. ref MSL)	71993					
TOTAL WELL DEPTH (ft. below LS)	72008					
pH (units) - Field	00400					
SPEC CONDUCTANCE (umhos) - Field	00094					
TEMP OF WATER SAMPLE (°F) - Field	00011					
DEPTH TO btm. CASING FROM M.P. (ft.)	72039					
DEPTH TO WATER FROM M.P. (ft.)	72109					
ELEVATION btm. CASING, MSL (ft.)	72020					
M.P. ELEVATION ABOVE L.S. (ft.)	82515					

RECEIVED JAN 20 1989 IEPA/DLPC

This Agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 1004 and 1021. Disclosure of this information is required. Failure to do so may result in a civil

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

SAMPLE NUMBER : D869603
SAMPLING POINT DESC. : ESL/LEFTON IRON & METAL/X105

SUBMITTING SOURCE # : SITE # : 1630450056
DATE COLLECTED : 881205 TIME COLLECTED 1421 SAMPLING PROGRAM

COLLECTED BY : M D GRANT DELIVERED BY : UPS
COMMENTS : SW 846, ORGANIC SCAN,PCBS
FUNDING CODE : LP41 AGENCY ROUTING : -- UNIT CODE
SAM TYPE CODE : SAMPLE PURPOSE CODE 4 REPORTING INDICATOR

DATE RECEIVED : 881207 TIME RECEIVED : 1000 RECEIVED BY : RWN
LAB OBSERVATIONS : 6OZ SOIL TRIP SL SAM# :
SUPERVISORS INITIALS JTH NOTE K = LESS THAN VALUE

A39519	TOTAL PCBS	UG/G	210
A34694	PHENOL	UG/G	10K
A34273	BIS(2-CHLOROETHYL)ETHER	UG/G	10K
A34586	2-CHLOROPHENOL	UG/G	10K
A34565	1,3-DICHLOROBENZENE	UG/G	10K
A34571	1,4-DICHLOROBENZENE	UG/G	10K
A77147	BENZYL ALCOHOL	UG/G	10K
A34536	1,2-DICHLOROBENZENE	UG/G	10K
A00000	2-METHYLPHENOL	UG/G	10K
A34283	BIS(2-CHLOROISOPROPYL)ETHER	UG/G	10K
A00000	4-METHYLPHENOL	UG/G	10K
A34428	N-NITROSO-DI-N-PROPYLAMINE	UG/G	10K
A34396	HEXACHLOROETHANE	UG/G	10K
A34447	NITROBENZENE	UG/G	10K
A34408	ISOPHORONE	UG/G	10K
A34591	2-NITROPHENOL	UG/G	10K
A34606	2,4-DIMETHYLPHENOL	UG/G	10K
A77247	BENZOIC ACID	UG/G	10K
A34278	BIS(2-CHLOROETHOXY)METHANE	UG/G	10K
A34601	2,4-DICHLOROPHENOL	UG/G	10K
A34551	1,2,4-TRICHLOROBENZENE	UG/G	10K
A34696	NAPHTHALENE	UG/G	10K
A00000	4-CHLOROANILINE	UG/G	10K
A34391	HEXACHLOROBUTADIENE	UG/G	10K
A34452	4-CHLORO-3-METHYLPHENOL	UG/G	10K
A77416	2-METHYLNAPHTHALENE	UG/G	10K
A34386	HEXACHLOROCYCLOPENTADIENE	UG/G	10K
A34621	2,4,6-TRICHLOROPHENOL	UG/G	10K
A77687	2,4,5-TRICHLOROPHENOL	UG/G	10K

SAMPLE NUMBER D869603

A34581	2-CHLORONAPHTHALENE	UG/G	10K
A00000	2-NITROANILINE	UG/G	10K
A34341	DIMETHYLPHTHALATE	UG/G	10K
A34200	ACENAPHTHYLENE	UG/G	10K
A34626	2,6-DINITROTOLUENE	UG/G	10K
A78300	3-NITROANILINE	UG/G	10K
A34205	ACENAPHTHENE	UG/G	10K
A34616	2,4-DINITROPHENOL	UG/G	10K
A34646	4-NITROPHENOL	UG/G	10K
A81302	DIBENZOFURAN	UG/G	10K
A34611	2,4-DINITROTOLUENE	UG/G	10K
A34336	DIETHYLPHTHALATE	UG/G	10K
A34641	4-CHLOROPHENYL PHENYL ETHER	UG/G	10K
A34381	FLUORENE	UG/G	10K
A00000	4-NITROANILINE	UG/G	10K
A00000	4,6-DINITRO-2-METHYLPHENOL	UG/G	10K
A34636	4-BROMOPHENYL PHENYL ETHER	UG/G	10K
A39700	HEXACHLOROBENZENE	UG/G	10K
A39032	PENTACHLOROPHENOL	UG/G	10K
A34461	PHENANTHRENE	UG/G	10K
A34220	ANTHRACENE	UG/G	10K
A39110	DI-N-BUTYLPHTHALATE	UG/G	10K
A34376	FLUORANTHENE	UG/G	10K
A34469	PYRENE	UG/G	10K
A34292	BUTYL BENZYL PHTHALATE	UG/G	10K
A34631	3,3'-DICHLOROBENZIDINE	UG/G	10K
A34526	BENZO(A)ANTHRACENE	UG/G	10K
A34320	CHRYSENE	UG/G	10K
A39100	BIS(2-ETHYLHEXYL)PHTHALATE	UG/G	36
A34596	DI-N-OCTYLPHTHALATE	UG/G	10K
A34230	BENZO(B)FLUORANTHENE	UG/G	10K
A34242	BENZO(K)FLUORANTHENE	UG/G	10K
A34247	BENZO(A)PYRENE	UG/G	10K
A34403	INDENO(1,2,3-CD)PYRENE	UG/G	10K
A34556	DIBENZO(AH)ANTHRACENE	UG/G	10K
A34521	BENZO(GHI)PERYLENE	UG/G	10K
A34418	CHLOROMETHANE	UG/G	1.0K
A34413	BROMOMETHANE	UG/G	1 0K
A39175	VINYL CHLORIDE	UG/G	1.0K
A34311	CHLOROETHANE	UG/G	1.0K
A34423	METHYLENE CHLORIDE	UG/G	0 5K
A81552	ACETONE	UG/G	1.0K
A34488	TRICHLOROFLUOROMETHANE	UG/G	0.5K

SAMPLE NUMBER D869603

A77277	BROMOCHLOROMETHANE	UG/G	0.5K
A77041	CARBON DISULFIDE	UG/G	0.5K
A34501	1,1-DICHLOROETHYLENE	UG/G	0.5K
A34496	1,1-DICHLOROETHANE	UG/G	0.5K
A34546	TRANS-1,2-DICHLOROETHYLENE	UG/G	0.5K
A77093	CIS-1,2-DICHLOROETHYLENE	UG/G	0.5K
A32106	CHLOROFORM	UG/G	0.5K
A34531	1,2-DICHLOROETHANE	UG/G	0.5K
A81595	2-BUTANONE(MEK)	UG/G	1.0K
A34506	1,1,1-TRICHLOROETHANE	UG/G	0.5K
A32102	CARBON TETRACHLORIDE	UG/G	0.5K
A77057	VINYL ACETATE	UG/G	1.0K
A32101	DICHLOROBROMOMETHANE	UG/G	0.5K
A34541	1,2-DICHLOROPROPANE	UG/G	0.5K
A34704	CIS-1,3-DICHLOROPROPENE	UG/G	0.5K
A39180	TRICHLOROETHYLENE	UG/G	0.5K
A32105	CHLORODIBROMOMETHANE	UG/G	0.5K
A34511	1,1,2-TRICHLOROETHANE	UG/G	0.5K
A78124	BENZENE	UG/G	0.5K
A34699	TRANS-1,3-DICHLOROPROPENE	UG/G	0.5K
A34576	2-CHLOROETHYLVINYL ETHER	UG/G	0.5K
A32104	BROMOFORM	UG/G	0.5K
A78133	4-METHYL-2-PENTANONE(MIBK)	UG/G	1.0K
A77103	2-HEXANONE(MBK)	UG/G	1.0K
A34475	TETRACHLOROETHYLENE	UG/G	0.5K
A34516	1,1,2,2-TETRACHLOROETHANE	UG/G	0.5K
A78131	TOLUENE	UG/G	0.5K
A34301	CHLOROBENZENE	UG/G	0.5K
A78113	ETHYLBENZENE	UG/G	0.5K
A77128	STYRENE	UG/G	0.5K
A81551	XYLENE	UG/G	0.5K

. THE FOLLOWING QUANTITATIONS ARE APPROXIMATE

ALIPHATIC HYDROCARBONS UG/G , 3100

. OTHER ORGANIC COMPOUNDS UG/G , 220

RECORD CODE L P C S M 0 1 — TRANS CODE A

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

REPORT DUE DATE 36 M / D / Y 41

FEDERAL ID NUMBER C806189

SITE INVENTORY NUMBER 9 1 6 3 0 4 5 0 0 5 6 18

MONITOR POINT NUMBER (see Instructions) X 19 2 0 1 22

REGION Southern CO. St Clair

DATE COLLECTED 23 M 12 D 05 Y 88 25

E St Louis / Lefton Iron and Metal

FACILITY NAME

IEPA LAB (x or Blank) (see Instructions) X 29

FOR IEPA USE ONLY — COMPLAINT NO. C 8 9 0 2 5

DATE RECEIVED 42 M / D / Y 47

SAMPLING PURPOSE CODE (see Instructions) 4 48

TIME CARD PROGRAM CODE 49 L P 4 1 52 & UNIT CODE 53

BACKGROUND SAMPLE (X) 54

TIME COLLECTED (24 HR CLOCK) 55 H 14 M 4

UNABLE TO COLLECT SAMPLE (see Instructions) 59

MONITOR POINT SAMPLED BY (see Instructions) Ø 60 OTHER (SPECIFY)

SAMPLE FIELD FILTERED - INORGANICS (X) 61 ORGANICS (X)

SAMPLE APPEARANCE 63 SAMPLE FROM AREA BELOW BIG PRESS (SUMP) 102

COLLECTOR COMMENTS 103

SPECIAL INSTRUCTIONS TO LAB SW-846 EP TOX Metals, Total Metals RO 142

M.D. Grant	MDG	DLPC	UPS	
COLLECTED BY	INITIALS 143 145	DIVISION OR COMPANY	TRANSPORTED BY	DIVISION OR COMPANY

LAB USE ONLY

LAB SAMPLE NO. C806189 LAB NAME LAB ID NO. 146 0 0 0 C 149

DATE RECEIVED 12-8-88 AND ADDRESS

TIME RECEIVED 11:00 AJ Parks

SAMPLE TEMP OKAY ✓ (Y/N) SAMPLE PROPERLY PRESERVED ✓ (Y/N) DATE COMPLETED FORWARD JAN -6. 1989

LAB COMMENTS 150

199

J Daugherty

SUPERVISOR SIGNATURE

RECORD CODE L P C S M 0 2 — TRANS CODE A (COLUMNS 9-29 FROM ABOVE)

FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORT LEVEL
* DEPTH TO WATER (ft. below LS)	72019					
ELEVATION OF GW SURFACE (ft. ref MSL)	71993					
TOTAL WELL DEPTH (ft. below LS)	72008					
pH (units) - Field	00400					
SPEC CONDUCTANCE (umhos) - Field	00094					
TEMP OF WATER SAMPLE (°F) - Field	00011					
DEPTH TO btm. CASING FROM M.P. (ft.)	72039				F RECEIVED	
DEPTH TO WATER FROM M.P. (ft.)	72109				JAN -9 1989	
ELEVATION btm. CASING, MSL (ft.)	72020				IEPA/DLPC	
M.P. ELEVATION ABOVE L.S. (ft.)	82515					

This Agency is authorized to require this information under Illinois Revised Statutes 1979 Chapter 111 1 2 Section 1004 and 1021 Disclosure of this information is required. Failure to do so may result in a civ

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

SAMPLE NUMBER : C806189
SAMPLING POINT DESC. : E. ST. LOUIS/LEFTON IRON AND METAL X2C1

SUBMITTING SOURCE # : SITE # : 163C450C56
DATE COLLECTED : 881205 TIME COLLECTED : 1445 SAMPLING PROGRAM :

COLLECTED BY : MDG DELIVERED BY : UPS
COMMENTS : SAMPLE FROM AREA BELOW BIG PRESS (SUMP)
FUNDING CODE : LP41 AGENCY ROUTING : CO UNIT CODE :
SAM TYPE CODE : LPSP SAMPLE PURPOSE CODE : 4 REPORTING INDICATOR :

DATE RECEIVED : 881208 TIME RECEIVED : 1100 RECEIVED BY : LJF
LAB OBSERVATIONS : TRIP BL SAM# :
SUPERVISORS INITIALS : JWD NOTE : K = LESS THAN VALUE

: SAMPLE INCOMPATIBLE WITH THE : TESTS REQUESTED. CONSISTS OF
: DIRTY OIL WITH A FEW SOLIDS : PRESENT.

RECORD CODE L P C S M 0 1 | TRANS CODE A

3069604

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

3069604

REPORT DUE DATE 36 M __ / __ D __ / __ Y 41

FEDERAL ID NUMBER

SITE INVENTORY NUMBER 1630450056 (9–18)

REGION Southern CO. St Clair

E St. Louis / Leston Iron and Metal

FACILITY NAME

MONITOR POINT NUMBER X201 (19–22) (see Instructions)

DATE COLLECTED 12 / 10 / 88 (23 M D Y 28)

IEPA LAB (x or Blank) X (29) (see Instructions)

FOR IEPA USE ONLY

COMPLAINT NO. C82025

DATE RECEIVED 42 M __ / __ D __ / __ Y 47

SAMPLING PURPOSE CODE 4 (48) (see Instructions)

TIME CARD PROGRAM CODE 4941 (49–52) & UNIT CODE 53

BACKGROUND SAMPLE (X) 54

TIME COLLECTED (24 HR CLOCK) 14:4 (55 H M)

UNABLE TO COLLECT SAMPLE (see Instructions) 59

MONITOR POINT SAMPLED BY Ø (60) (see Instructions)

OTHER (SPECIFY)

SAMPLE FIELD FILTERED - INORGANICS (X) 61 ORGANICS (X) 6

SAMPLE APPEARANCE 63 SAMPLE FROM SUMP ARE A BELOW RSG PRESS 102

COLLECTOR COMMENTS 103

142

SPECIAL INSTRUCTIONS TO LAB SW-846 Organic Scan, PCBs

COLLECTED BY	INITIALS	DIVISION OR COMPANY	TRANSPORTED BY	DIVISION OR COMPANY
M.D. Grant	MD G (143 145)	DLPC	UPS	

LAB USE ONLY

LAB SAMPLE NO. 3069604

DATE RECEIVED DEC 7 1988

TIME RECEIVED 4P

LAB NAME Spyfld

AND ADDRESS Spyfld

LAB ID NO. 148 — 149

SAMPLE TEMP OKAY (Y/N) SAMPLE PROPERLY PRESERVED (Y/N) DATE COMPLETED FORWARD 1-19-89

LAB COMMENTS 150

199

SUPERVISOR SIGNATURE J Hurley

RECORD CODE L P C S M 0 2 | TRANS CODE A (COLUMNS 9-29 FROM ABOVE)

	FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL
*	DEPTH TO WATER (ft. below LS)	72019 (30–34)	35	36	37	38	48
	ELEVATION OF GW SURFACE (ft. ref MSL)	71993					
	TOTAL WELL DEPTH (ft. below LS)	72008					
	pH (units) - Field	00400					
	SPEC CONDUCTANCE (umhos) - Field	00094					
	TEMP OF WATER SAMPLE (°F) - Field	00011					
	DEPTH TO btm. CASING FROM M.P.(ft.)	72039					
	DEPTH TO WATER FROM M.P. (ft.)	72109					
	ELEVATION btm. CASING, MSL (ft.)	72020					
	M.P. ELEVATION ABOVE L.S. (ft.)	82515					

RECEIVED JAN 20 1989 IEPA/DLPC

This Agency is authorized to require this information under Illinois Revised Statutes 1979 Chapter 111 1/2 Section 1004 and 1021. Disclosure of this information is required. Failure to do so may result in a Civil

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

SAMPLE NUMBER : D869604
SAMPLING POINT DESC. ESL/LEFTON IRON & METAL/X201

SUBMITTING SOURCE # : SITE # : 1630450056
DATE COLLECTED : 881205 TIME COLLECTED : 1445 SAMPLING PROGRAM :

COLLECTED BY : M D GRANT DELIVERED BY UPS
COMMENTS : SW846, ORGANIC SCAN, PCBS
FUNDING CODE : LP41 AGENCY ROUTING : -- UNIT CODE :
SAM TYPE CODE : SAMPLE PURPOSE CODE : 4 REPORTING INDICATOR :

DATE RECEIVED : 881207 TIME RECEIVED : 1000 RECEIVED BY : RWN
LAB OBSERVATIONS : 6OZ SOIL TRIP BL SAM# :
SUPERVISORS INITIALS : JTH NOTE : K = LESS THAN VALUE

A39519	TOTAL PCBS	UG/G	4.5
A34694	PHENOL	UG/G	25K
A34273	BIS(2-CHLOROETHYL)ETHER	UG/G	25K
A34586	2-CHLOROPHENOL	UG/G	25K
A34566	1,3-DICHLOROBENZENE	UG/G	25K
A34571	1,4-DICHLOROBENZENE	UG/G	25K
A77147	BENZYL ALCOHOL	UG/G	25K
A34536	1,2-DICHLOROBENZENE	UG/G	25K
A00000	2-METHYLPHENOL	UG/G	25K
A34283	BIS(2-CHLOROISOPROPYL)ETHER	UG/G	25K
A00000	4-METHYLPHENOL	UG/G	25K
A34428	N-NITROSO-DI-N-PROPYLAMINE	UG/G	25K
A34396	HEXACHLOROETHANE	UG/G	25K
A34447	NITROBENZENE	UG/G	25K
A34408	ISOPHORONE	UG/G	25K
A34591	2-NITROPHENOL	UG/G	25K
A34606	2,4-DIMETHYLPHENOL	UG/G	25K
A77247	BENZOIC ACID	UG/G	25K
A34278	BIS(2-CHLOROETHOXY)METHANE	UG/G	25K
A34601	2,4-DICHLOROPHENOL	UG/G	25K
A34551	1,2,4-TRICHLOROBENZENE	UG/G	25K
A34696	NAPHTHALENE	UG/G	25K
A00000	4-CHLOROANILINE	UG/G	25K
A34391	HEXACHLOROBUTADIENE	UG/G	25K
A34452	4-CHLORO-3-METHYLPHENOL	UG/G	25K
A77416	2-METHYLNAPHTHALENE	UG/G	79
A34386	HEXACHLOROCYCLOPENTADIENE	UG/G	25K
A34621	2,4,6-TRICHLOROPHENOL	UG/G	25K
A77637	2,4,5-TRICHLOROPHENOL	UG/G	25K

SAMPLE NUMBER . D869604

A34581	2-CHLORONAPHTHALENE	UG/G	25K
A00000	2-NITROANILINE	UG/G	25K
A34341	DIMETHYLPHTHALATE	UG/G	25K
34200	ACENAPHTHYLENE	UG/G	25K
A34626	2,6-DINITROTOLUENE	UG/G	25K
A78300	3-NITROANILINE	UG/G	25K
A34205	ACENAPHTHENE	UG/G	25K
A34616	2,4-DINITROPHENOL	UG/G	25K
A34646	4-NITROPHENOL	UG/G	25K
A81302	DIBENZOFURAN	UG/G	25K
A34611	2,4-DINITROTOLUENE	UG/G	25K
A34336	DIETHYLPHTHALATE	UG/G	25K
A34641	4-CHLOROPHENYL PHENYL ETHER	UG/G	25K
A34381	FLUORENE	UG/G	25K
A00000	4-NITROANILINE	UG/G	25K
A00000	4,6-DINITRO-2-METHYLPHENOL	UG/G	25K
A34636	4-BROMOPHENYL PHENYL ETHER	UG/G	25K
A39700	HEXACHLOROBENZENE	UG/G	25K
A39032	PENTACHLOROPHENOL	UG/G	25K
A34461	PHENANTHRENE	UG/G	25K
A34220	ANTHRACENE	UG/G	25K
A39110	DI-N-BUTYLPHTHALATE	UG/G	25K
A34376	FLUORANTHENE	UG/G	25K
A34469	PYRENE	UG/G	25K
A34292	BUTYL BENZYL PHTHALATE	UG/G	25K
A34631	3,3'-DICHLOROBENZIDINE	UG/G	25K
A34526	BENZO(A)ANTHRACENE	UG/G	25K
A34320	CHRYSENE	UG/G	25K
A39100	BIS(2-ETHYLHEXYL)PHTHALATE	UG/G	25K
A34596	DI-N-OCTYLPHTHALATE	UG/G	25K
A34230	BENZO(B)FLUORANTHENE	UG/G	25K
A34242	BENZO(K)FLUORANTHENE	UG/G	25K
A34247	BENZO(A)PYRENE	UG/G	25K
A34403	INDENO(1,2,3-CD)PYRENE	UG/G	25K
A34556	DIBENZO(AH)ANTHRACENE	UG/G	25K
A34521	BENZO(GHI)PERYLENE	UG/G	25K
A34418	CHLOROMETHANE	UG/G	50K
A34413	BROMOMETHANE	UG/G	50K
A39175	VINYL CHLORIDE	UG/G	50K
A34311	CHLOROETHANE	UG/G	50K
A34423	METHYLENE CHLORIDE	UG/G	25K
A81552	ACETONE	UG/G	50K
A34488	TRICHLOROFLUOROMETHANE	UG/G	25K

SAMPLE NUMBER : 0869604

A77277	BROMOCHLOROMETHANE	UG/G	25K
A77041	CARBON DISULFIDE	UG/G	25K
A34501	1,1-DICHLOROETHYLENE	UG/G	25K
A34496	1,1-DICHLOROETHANE	UG/G	25K
A34546	TRANS-1,2-DICHLOROETHYLENE	UG/G	25K
A77093	CIS-1,2-DICHLOROETHYLENE	UG/G	25K
A32106	CHLOROFORM	UG/G	25K
A34531	1,2-DICHLOROETHANE	UG/G	25K
A81595	2-BUTANONE(MEK)	UG/G	50K
A34506	1,1,1-TRICHLOROETHANE	UG/G	25K
A32102	CARBON TETRACHLORIDE	UG/G	25K
A77057	VINYL ACETATE	UG/G	50K
A32101	DICHLOROBROMOMETHANE	UG/G	25K
A34541	1,2-DICHLOROPROPANE	UG/G	25K
A34704	CIS-1,3-DICHLOROPROPENE	UG/G	25K
A39180	TRICHLOROETHYLENE	UG/G	25K
A32105	CHLORODIBROMOMETHANE	UG/G	25K
A34511	1,1,2-TRICHLOROETHANE	UG/G	25K
A78124	BENZENE	UG/G	25K
A34699	TRANS-1,3-DICHLOROPROPENE	UG/G	25K
A34576	2-CHLOROETHYLVINYL ETHER	UG/G	25K
A32104	BROMOFORM	UG/G	25K
A78133	4-METHYL-2-PENTANONE(MIBK)	UG/G	50K
A77103	2-HEXANONE(MBK)	UG/G	50K
A34475	TETRACHLOROETHYLENE	UG/G	25K
A34516	1,1,2,2-TETRACHLOROETHANE	UG/G	25K
A78131	TOLUENE	UG/G	25K
A34301	CHLOROBENZENE	UG/G	25K
A78113	ETHYLBENZENE	UG/G	25K
A77128	STYRENE	UG/G	25K
A81551	XYLENE	UG/G	25K

: THE FOLLOWING QUANTITATIONS ARE APPROXIMATE

OTHER METHYL NAPHTHALENES	UG/G	110
DIMETHYL NAPHTHALENES	UG/G	230
TRIMETHYL NAPHTHALENES	UG/G	170
ALIPHATIC HYDROCARBONS	UG/G	38000
OTHER ORGANIC COMPOUNDS	UG/G	2600

RECORD CODE L P C S M 0 1 — TRANS CODE A

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

C806188

REPORT DUE DATE 36 M — / — D — / — Y 41

FEDERAL ID NUMBER

SITE INVENTORY NUMBER 1630450056 (9–18)

REGION Southern CO. St Clair

E St. Louis / Lefton Iron and Metal

FACILITY NAME

MONITOR POINT NUMBER X L 0 6 (19–22) (see Instructions)

DATE COLLECTED 12 / 10 / 88 (23 M D Y 28)

IEPA LAB (x or Blank) X (29) (see Instructions)

FOR IEPA USE ONLY — COMPLAINT NO. C8702S

DATE RECEIVED 42 M — / — D — / — Y 47

SAMPLING PURPOSE CODE 4 (48) (see Instructions)

TIME CARD PROGRAM CODE L P 4 1 (49–52) & UNIT CODE (53)

BACKGROUND SAMPLE (X) (54)

TIME COLLECTED (24 HR CLOCK) 1 5 : 1 (55 H M)

UNABLE TO COLLECT SAMPLE (59) (see Instructions)

MONITOR POINT SAMPLED BY Q (60) SS TROWEL OTHER (SPECIFY) (see Instructions)

SAMPLE FIELD FILTERED - INORGANICS (X) (61) ORGANICS (X)

SAMPLE APPEARANCE (63) SOIL COMPOSITE NNE SIDE OF SHEAR HOUSE (102)

COLLECTOR COMMENTS (103)

SPECIAL INSTRUCTIONS TO LAB SW-846 EP TOX Metals, Total Metals R1 (142)

COLLECTED BY	INITIALS (143) (145)	DIVISION OR COMPANY	TRANSPORTED BY	DIVISION OR COMPANY
M.D. Grant	MD G	DLPC	UPS	

LAB USE ONLY

LAB SAMPLE NO. C806188 — LAB NAME Environmental Protection Agency, Division of Laboratory Services, 2200 W. Taylor Street, Chicago, Illinois 60612 — LAB ID NO. 0 0 0 C (146–149)

DATE RECEIVED 12-8-88 — AND ADDRESS

TIME RECEIVED 11:00 AM

SAMPLE TEMP OKAY Y (Y/N) — SAMPLE PROPERLY PRESERVED Y (Y/N) — DATE COMPLETED — FORWARDED MAR 16 1989

LAB COMMENTS (150) (199)

J Daugherty

SUPERVISOR SIGNATURE

RECORD CODE L P C S M 0 2 — TRANS CODE A (COLUMNS 9-29 FROM ABOVE)

	FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL
*	DEPTH TO WATER (ft. below LS)	7 2 0 1 9 (10–14)	(15)	(16)	(17)	(18–22)	(23)
	ELEVATION OF GW SURFACE (ft. ref MSL)	7 1 9 9 3					
	TOTAL WELL DEPTH (ft. below LS)	7 2 0 0 8					
	pH (units) - Field	0 0 4 0 0					
	SPEC CONDUCTANCE (umhos) - Field	0 0 0 9 4					
	TEMP OF WATER SAMPLE (°F) - Field	0 0 0 1 1					
	DEPTH TO btm. CASING FROM M.P. (ft.)	7 2 0 3 9					
	DEPTH TO WATER FROM M.P. (ft.)	7 2 1 0 9					
	ELEVATION btm. CASING, MSL (ft.)	7 2 0 2 0					
	M.P. ELEVATION ABOVE L.S. (ft.)	8 2 5 1 5					

RECEIVED MAR 24 1989 IEPA/DLPC

This Agency is authorized to require this information under Illinois Revised Statutes 1979 Chapter 111 1/2 Section 1004 and 1021. Disclosure of this information is required. Failure to do so may result in a Civil

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

SAMPLE NUMBER : C806138
SAMPLING POINT DESC. : E. ST. LOUIS/LEFTON IRON AND METAL X106

SUBMITTING SOURCE # : SITE # : 1630450056
DATE COLLECTED : 881205 TIME COLLECTED : 1515 SAMPLING PROGRAM :

COLLECTED BY : MDG DELIVERED BY : UPS
COMMENTS : SOIL COMPOSITE NNE SIDE OF SHEAR HOUSE
FUNDING CODE : LP41 AGENCY ROUTING : 00 UNIT CODE :
SAM TYPE CODE : LPSP SAMPLE PURPOSE CODE : 4 REPORTING INDICATOR :

DATE RECEIVED : 881208 TIME RECEIVED : 1100 RECEIVED BY : LJP
LAB OBSERVATIONS : TRIP BL SAM# :
SUPERVISORS INITIALS : JWD NOTE : K = LESS THAN VALUE

A10000	PH,FINAL TOX EXT	UNITS :	4.8	A10000	PH,INITIAL TOX EX	UNITS :	5.8
A14400	ARSENIC,EP TOX,	MG/L :	0.01K	A14400	ARSENIC,SW846 MET	MG/KG :	50K
A14500	BARIUM,EP TOX	MG/L :	0.8	A14500	BARIUM,SW846 MET	MG/KG :	50
A14600	CADMIUM,EP TOX,	MG/L :	0.005K	A14600	CADMIUM,SW846 MET	MG/KG :	5.
A14700	CHROMIUM,EP TOX,	MG/L :	0.01K	A14700	CHROMIUM,SW846	MG/KG :	57
A15100	LEAD,EP TOXICITY	MG/L :	0.05K	A15100	LEAD,SW846 MET,	MG/KG :	55
A15300	MERCURY,EP TOX,	MG/L :	.0005K	A15300	MERCURY,SW846 EQ,	MG/KG :	11.
A15500	SELENIUM,EP TOX,	MG/L :	0.01K	A15500	SELENIUM,SW846	MG/KG :	50K

RECORD CODE L P C S M 0 1 | TRANS CODE A

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

D069605

REPORT DUE DATE 36 M / D / Y 41

FEDERAL ID NUMBER

SITE INVENTORY NUMBER 9 1 6 3 0 4 5 0 0 5 6 18

REGION Southern CO. St Clair

E St. Louis / Lefton Iron and Metal

FACILITY NAME

MONITOR POINT NUMBER (see Instructions) 19 X 1 0 6 22

DATE COLLECTED 23 M 12 D 05 Y 88 25

IEPA LAB (x or Blank) (see Instructions) 29 X

FOR IEPA USE ONLY

COMPLAINT NO. C 8 9 0 2 S

DATE RECEIVED 42 M / D / Y 47

SAMPLING PURPOSE CODE (see Instructions) 48 4

TIME CARD PROGRAM CODE 49 L P 4 1 52 & UNIT CODE 53

BACKGROUND SAMPLE (X) 54

TIME COLLECTED (24 HR CLOCK) 55 H 15 M 15

UNABLE TO COLLECT SAMPLE (see Instructions) 59

MONITOR POINT SAMPLED BY (see Instructions) 60 Q SS TROWELL OTHER (SPECIFY)

SAMPLE FIELD FILTERED - INORGANICS (X) 61 ORGANICS (X) 62

SAMPLE APPEARANCE 63 SOIL COMPOSITE NNE S IDE OF SHEAR HOUSE 102

COLLECTOR COMMENTS 103 142

SPECIAL INSTRUCTIONS TO LAB SW-846 Organic Scan, PCBs

COLLECTED BY	INITIALS	DIVISION OR COMPANY	TRANSPORTED BY	DIVISION OR COMPANY
M.D. Grant	MDG	DLPC	UPS	

LAB USE ONLY

LAB SAMPLE NO. D069605 LAB NAME Rwn [signature] LAB ID NO. 146 149

DATE RECEIVED DEC 7 1988 AND ADDRESS [signature]

TIME RECEIVED 4P

SAMPLE TEMP OKAY (Y/N) SAMPLE PROPERLY PRESERVED (Y/N) DATE COMPLETED FORWARD 1-19-89

LAB COMMENTS 150 199

J Hurley

SUPERVISOR SIGNATURE

RECORD CODE L P C S M 0 2 | TRANS CODE A (COLUMNS 9-29 FROM ABOVE)

FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
DEPTH TO WATER (ft. below LS)	72019						
ELEVATION OF GW SURFACE (ft. ref MSL)	71993						
TOTAL WELL DEPTH (ft. below LS)	72008						
pH (units) - Field	00400						
SPEC CONDUCTANCE (umhos) - Field	00094						
TEMP OF WATER SAMPLE (°F) - Field	00011						
DEPTH TO btm. CASING FROM M.P. (ft.)	72039						
DEPTH TO WATER FROM M.P. (ft.)	72109						
ELEVATION btm. CASING, MSL (ft.)	72020						
M.P. ELEVATION ABOVE L.S. (ft.)	82515						

RECEIVED JAN 20 1989 IEPA/DLPC

This Agency is authorized to require this information under Illinois Revised Statutes 1979 Chapter 111 1/2 Section 1004 and 1021 Disclosure of this information is required. Failure to do so may result in a civil

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

SAMPLE NUMBER . D869605
SAMPLING POINT DESC. ESL/LEFTON IRON & METAL/X106

SUBMITTING SOURCE # : SITE # : 1630450056
DATE COLLECTED : 881205 TIME COLLECTED 1515 SAMPLING PROGRAM .

COLLECTED BY . M D GRANT DELIVERED BY UPS
COMMENTS . SW 846, ORGANIC SCAN, PCBS
FUNDING CODE : LP41 AGENCY ROUTING -- UNIT CODE :
SAM TYPE CODE : SAMPLE PURPOSE CODE . 4 REPORTING INDICATOR

DATE RECEIVED : 881207 TIME RECEIVED . 1000 RECEIVED BY : RWN
LAB OBSERVATIONS . 6 OZ SOIL TRIP BL SAM# .
SUPERVISORS INITIALS JTH NOTE . K = LESS THAN VALUE

A39519	TOTAL PCBS	UG/G .	76
A34694	PHENOL	UG/G :	10K
A34273	BIS(2-CHLOROETHYL)ETHER	UG/G	10K
A34586	2-CHLOROPHENOL	UG/G :	10K
A34566	1,3-DICHLOROBENZENE	UG/G .	10K
A34571	1,4-DICHLOROBENZENE	UG/G :	10K
A77147	BENZYL ALCOHOL	UG/G :	10K
A34536	1,2-DICHLOROBENZENE	UG/G :	10K
A00000	2-METHYLPHENOL	UG/G .	10K
A34283	BIS(2-CHLOROISOPROPYL)ETHER	UG/G :	10K
A00000	4-METHYLPHENOL	UG/G :	10K
A34428	N-NITROSO-DI-N-PROPYLAMINE	UG/G :	10K
A34396	HEXACHLOROETHANE	UG/G :	10K
A34447	NITROBENZENE	UG/G :	10K
A34408	ISOPHORONE	UG/G .	10K
A34591	2-NITROPHENOL	UG/G :	10K
A34606	2,4-DIMETHYLPHENOL	UG/G :	10K
A77247	BENZOIC ACID	UG/G :	10K
A34278	BIS(2-CHLOROETHOXY)METHANE	UG/G :	10K
A34601	2,4-DICHLOROPHENOL	UG/G :	10K
A34551	1,2,4-TRICHLOROBENZENE	UG/G :	10K
A34696	NAPHTHALENE	UG/G :	10K
A00000	4-CHLOROANILINE	UG/G :	10K
A34391	HEXACHLOROBUTADIENE	UG/G :	10K
A34452	4-CHLORO-3-METHYLPHENOL	UG/G :	10K
A77416	2-METHYLNAPHTHALENE	UG/G :	10K
A34386	HEXACHLOROCYCLOPENTADIENE	UG/G :	10K
A34621	2,4,6-TRICHLOROPHENOL	UG/G :	10K
A77687	2,4,5-TRICHLOROPHENOL	UG/G :	10K

SAMPLE NUMBER . D869605

A34581	2-CHLORONAPHTHALENE	UG/G	10K
A00000	2-NITROANILINE	UG/G	10K
A34341	DIMETHYLPHTHALATE	UG/G	10K
A34200	ACENAPHTHYLENE	UG/G	10K
A34626	2,6-DINITROTOLUENE	UG/G	10K
A78300	3-NITROANILINE	UG/G	10K
A34205	ACENAPHTHENE	UG/G	10K
A34616	2,4-DINITROPHENOL	UG/G	10K
A34646	4-NITROPHENOL	UG/G	10K
A81302	DIBENZOFURAN	UG/G	10K
A34611	2,4-DINITROTOLUENE	UG/G	10K
A34336	DIETHYLPHTHALATE	UG/G	10K
A34641	4-CHLOROPHENYL PHENYL ETHER	UG/G	10K
A34381	FLUORENE	UG/G	10K
A00000	4-NITROANILINE	UG/G	10K
A00000	4,6-DINITRO-2-METHYLPHENOL	UG/G	10K
A34636	4-BROMOPHENYL PHENYL ETHER	UG/G	10K
A39700	HEXACHLOROBENZENE	UG/G	10K
A39032	PENTACHLOROPHENOL	UG/G	10K
A34461	PHENANTHRENE	UG/G	28
A34220	ANTHRACENE	UG/G	13
A39110	DI-N-BUTYLPHTHALATE	UG/G	10K
A34376	FLUORANTHENE	UG/G	22
A34469	PYRENE	UG/G	23
A34292	BUTYL BENZYL PHTHALATE	UG/G	10K
A34631	3,3'-DICHLOROBENZIDINE	UG/G	10K
A34526	BENZO(A)ANTHRACENE	UG/G	12
A34320	CHRYSENE	UG/G	18
A39100	BIS(2-ETHYLHEXYL)PHTHALATE	UG/G	38
A34596	DI-N-OCTYLPHTHALATE	UG/G	10K
A34230	BENZO(B)FLUORANTHENE	UG/G	10K
A34242	BENZO(K)FLUORANTHENE	UG/G	10K
A34247	BENZO(A)PYRENE	UG/G	10K
A34403	INDENO(1,2,3-CD)PYRENE	UG/G	10K
A34556	DIBENZO(AH)ANTHRACENE	UG/G	10K
A34521	BENZO(GHI)PERYLENE	UG/G	10K
A34418	CHLOROMETHANE	UG/G	1.0K
A34413	BROMOMETHANE	UG/G	1.0K
A39175	VINYL CHLORIDE	UG/G	1.0K
A34311	CHLOROETHANE	UG/G	1.0K
A34423	METHYLENE CHLORIDE	UG/G	0.5K
A81552	ACETONE	UG/G	1.0K
A34488	TRICHLOROFLUOROMETHANE	UG/G	0.5K

A77277	BROMOCHLOROMETHANE	UG/G	0.5K
A77041	CARBON DISULFIDE	UG/G	0.5K
A34501	1,1-DICHLOROETHYLENE	UG/G	0.5K
A34496	1,1-DICHLOROETHANE	UG/G	0.5K
A34546	TRANS-1,2-DICHLOROETHYLENE	UG/G	0.5K
A77093	CIS-1,2-DICHLOROETHYLENE	UG/G	0.5K
A32106	CHLOROFORM	UG/G	0.5K
A34531	1,2-DICHLOROETHANE	UG/G	0.5K
A81595	2-BUTANONE(MEK)	UG/G	1.0K
A34506	1,1,1-TRICHLOROETHANE	UG/G	0.5K
A32102	CARBON TETRACHLORIDE	UG/G	0.5K
A77057	VINYL ACETATE	UG/G	1.0K
A32101	DICHLOROBROMOMETHANE	UG/G	0.5K
A34541	1,2-DICHLOROPROPANE	UG/G	0.5K
A34704	CIS-1,3-DICHLOROPROPENE	UG/G	0.5K
A39180	TRICHLOROETHYLENE	UG/G	0.5K
A32105	CHLORODIBROMOMETHANE	UG/G	0.5K
A34511	1,1,2-TRICHLOROETHANE	UG/G	0.5K
A78124	BENZENE	UG/G	0.5K
A34699	TRANS-1,3-DICHLOROPROPENE	UG/G	0.5K
A34576	2-CHLOROETHYLVINYL ETHER	UG/G	0.5K
A32104	BROMOFORM	UG/G	0.5K
A78133	4-METHYL-2-PENTANONE(MIBK)	UG/G	1.0K
A77103	2-HEXANONE(MBK)	UG/G	1.0K
A34475	TETRACHLOROETHYLENE	UG/G	0.5K
A34516	1,1,2,2-TETRACHLOROETHANE	UG/G	0.5K
A78131	TOLUENE	UG/G	0.5K
A34301	CHLOROBENZENE	UG/G	0.5K
A78113	ETHYLBENZENE	UG/G	0.5K
A77128	STYRENE	UG/G	0.5K
A81551	XYLENE	UG/G	0.5K

THE FOLLOWING QUANTITATIONS ARE APPROXIMATE

METHYL PHENANTHRENE#	UG/G	27
ALIPHATIC HYDROCARBONS	UG/G	800
OTHER ORGANIC COMPOUNDS	UG/G	240

#TENTATIVE IDENTIFICATION

WITHHELD # 12
CONFIDENTIAL

M E M O R A N D U M

DATE: February 28, 1989

TO: Division File

FROM: Mike Grant MDG

SUBJECT: 1630450056 - St. Clair County - East St. Louis/Lefton Iron & Metal
Groundwater (Shanfield Property)

On January 18, 1989, Pat McCarthy and this writer visited the Shanfield property for purposes of obtaining soil samples. The Shanfield property is adjacent to the Lefton Iron and Metal Main Plant's northwest corner. During the December 5, 1988 sampling inspection, a discharge pipe near the shear house was observed. Mr. McCarthy was told by Ben and Simon Lefton that there is a sump associated with the shear house.

They also stated to Mr. McCarthy that the sump pump is used to remove only rainwater and admitted it was connected to the subject discharge pipe. They also stated that the pipe discharges off their property onto someone elses. A sample was collected from Lefton's property near the discharge pipe on December 5, 1988. Sample X104 was a composite soil sample from this area and the PCB results showed 120 ppm. The following information was obtained about the owner of the property which was receiving the sump discharge:

Owner Ben Shanfield
210 South 15th Street
East St. Louis, Illinois

After discussions with the IAGO and our own Enforcement Section, it was determined approval was not required to gain access to this property.

In the area of the property where the discharge was suspected, we observed a dark discoloration to the soil and a slight organic odor. The first sample, X101, was taken from an area closest to the fence separating the Shanfield and Lefton properties nearest the discharge pipe. The second sample, X102, was taken downgradient from the first sample approximately 15-20 feet. Both samples were composites of areas approximately 2'x2'x2-3 inches deep. A couple of photographs of the area were taken.

We then left the site.

On February 17, 1989, we received the sample results which are as follows:

X101 - 82 ppm PCB's
X102 - 79 ppm PCB's

Some other organics were detected.

MDG:cas/0323L

cc: DLPC - Collinsville
cc: Glenn Savage
cc: Bruce Carlson

RECEIVED
MAR 2 1989
IEPA-DLPC

CONFIDENTIAL

Page 1 of 1

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
CHAIN OF CUSTODY

I certify that the samples listed below were collected in my presence and that each sample bottle was sealed intact by me and that I wrote my initials and the date on the seal of each bottle.

Site Inventory No. 1630450056 County ST. Clair

Federal I.D. No. _____ East ST. Louis/Laston Iron and Metal (Facility Name)

SAMPLING TEAM

Sample No.	Initials	Consisting of the Indicated No. of Bottles	Date Collected	Time Sealed
X101	MDG	1	01/18/89	1:47 AM/PM
				AM/PM
X102	MDG	1	01/18/89	1:47 AM/PM
				AM/PM
				AM/PM
				AM/PM
				AM/PM
				AM/PM
				AM/PM
				AM/PM

Sealer's Signature [signature] Date 01/19/89 Time 8:45 AM/PM

Sampler(s) [signature]

CARRIERS

I certify I received the above samples, with each seal on each bottle intact and the sealer's initials written on each sample seal.

Relinquished By (Signature)	Date	Time	Received By (Signature)	Date	Time
[signature]	1/19/89	2:00 AM/PM	UPS		AM/PM
		AM/PM			AM/PM
		AM/PM			AM/PM
		AM/PM			AM/PM
		AM/PM			AM/PM
		AM/PM			AM/PM
		AM/PM			AM/PM

RECEIVED
MAY 23 1989
IEPA DLPC

LAB CUSTODIAN

I certify I received the above samples with each seal on each bottle intact, and the sealer's initials written on each sample seal. After recording these samples in the official record book, these same samples will be in the custody of competent laboratory personnel at all times or locked in a secured area.

Signature Deanne Virgin Date 1-20-89 Time 3:30 A.M. P.M.

Lab Location Springfield (City)

IL 532-1147
LPC 141 9/83

120-011

CODE L P C S M 0 1 CODE A

DIVISION OF LAND POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

Page 1 of 1

J070454

REPORT DUE DATE 36 M / D / Y 41

FEDERAL ID NUMBER

SITE INVENTORY NUMBER 1 1 3 0 4 5 0 0 5 6 (9–18)

MONITOR POINT NUMBER X 1 0 1 (19–22) (see Instructions)

REGION Southern 6 CO. St. Clair County

East St. Louis / Lefton Iron and Metal

FACILITY NAME

DATE COLLECTED 0 1 / 1 8 / 8 9 (23 M D Y 28)

IEPA LAB (x or Blank) X (29) (see Instructions)

FOR IEPA USE ONLY — COMPLAINT NO.

DATE RECEIVED 42 M / D / Y 47

SAMPLING PURPOSE CODE 4 (48) (see Instructions)

TIME CARD PROGRAM CODE L P 4 1 (49–52) & UNIT CODE J (53)

BACKGROUND SAMPLE (X) 54

TIME COLLECTED (24 HR CLOCK) 1 3 : 3 0 (55 H M 58)

UNABLE TO COLLECT SAMPLE (see Instructions) 59

MONITOR POINT SAMPLED BY (see Instructions) Q (60) SS Trowel OTHER (SPECIFY)

SAMPLE FIELD FILTERED - INORGANICS (X) 61 ORGANICS (X) 62

SAMPLE APPEARANCE 63 SOIL SAMPLE COLLECTED OFF-SITE, CLOSEST T 102

COLLECTOR COMMENTS 103 O DISCHARGE PIPE 142

SPECIAL INSTRUCTIONS TO LAB SW-846 ~~[illegible]~~, Organic Scan

M.D. Grant — COLLECTED BY; MDG (143–145) INITIALS; DLPC — DIVISION OR COMPANY; UPS — TRANSPORTED BY; DIVISION OR COMPANY

LAB USE ONLY

LAB SAMPLE NO. J070454 LAB NAME Springfield LAB ID NO. 146 — 149

DATE RECEIVED JAN 20 1989 AND ADDRESS

TIME RECEIVED

SAMPLE TEMP OKAY (Y/N) SAMPLE PROPERLY PRESERVED (Y/N) DATE COMPLETED FORWARD 2-14-89

LAB COMMENTS 150

J Hurley 199

SUPERVISOR SIGNATURE

RECORD CODE L P C S M 0 2 TRANS CODE A (COLUMNS 9-29 FROM ABOVE)

RECEIVED FEB 20 1989 IEPA/DLPC

FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
DEPTH TO WATER (ft. below LS)	7 2 0 1 9 (30–34)	(35)	(36)	(37)	(38–47)	(48)	(49)
ELEVATION OF GW SURFACE (ft. re[illegible]	7 1 9 9 3						
TOTAL WELL DEPTH (ft. below LS)	7 2 0 0 8						
pH (units) - Field	0 0 4 0 0						
SPEC CONDUCTANCE (umhos) - Field	0 0 0 9 4						
TEMP OF WATER SAMPLE (°F) - Field	0 0 0 1 1						
DEPTH TO btm. CASING FROM M.P. (ft.)	7 2 0 3 9						
DEPTH TO WATER FROM M.P. (ft.)	7 2 1 0 9						
ELEVATION btm. CASING, MSL (ft.)	7 2 0 2 0						
M.P. ELEVATION ABOVE L.S. (ft.)	8 2 5 1 5						

This Agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 1004 and 1021. Disclosure of this information is required. Failure to do so may result in a civil penalty up to $25,000 for each day the failure continues, a fine up to $1,000.00 [illegible] This form has been approved by the Forms Management Center.

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

SAMPLE NUMBER : D970454
SAMPLING POINT DESC. : EAST ST LOUIS/LEFTON IRON & METAL/X101

SUBMITTING SOURCE # : SITE # : 1630450056
DATE COLLECTED : 890118 TIME COLLECTED : 1330 SAMPLING PROGRAM :

COLLECTED BY : M D GRANT DELIVERED BY : MAIL
COMMENTS : SW-846 PCB'S/ORGANIC SCAN
FUNDING CODE : LP41 AGENCY ROUTING : -- UNIT CODE :
SAM TYPE CODE : SAMPLE PURPOSE CODE : 4 REPORTING INDICATOR :

DATE RECEIVED : 890120 TIME RECEIVED : 1000 RECEIVED BY : D V
LAB OBSERVATIONS : 1 8OZ SOIL TRIP BL SAM# :
SUPERVISORS INITIALS : JTH NOTE : K = LESS THAN VALUE

A39519	TOTAL PCBS	UG/G	: 82
A34694	PHENOL	UG/G	: 0.5K
A34273	BIS(2-CHLOROETHYL)ETHER	UG/G	: 0.5K
A34586	2-CHLOROPHENOL	UG/G	: 0.5K
A34565	1,3-DICHLOROBENZENE	UG/G	: 0.5K
A34571	1,4-DICHLOROBENZENE	UG/G	: 0.5K
A77147	BENZYL ALCOHOL	UG/G	: 0.5K
A34535	1,2-DICHLOROBENZENE	UG/G	: 0.5K
A00000	2-METHYLPHENOL	UG/G	: 0.5K
A34283	BIS(2-CHLOROISOPROPYL)ETHER	UG/G	: 0.5K
A00000	4-METHYLPHENOL	UG/G	: 0.5K
A34425	N-NITROSO-DI-N-PROPYLAMINE	UG/G	: 0.5K
A34596	HEXACHLOROETHANE	UG/G	: 0.5K
A34447	NITROBENZENE	UG/G	: 0.5K
A34403	ISOPHORONE	UG/G	: 0.5K
A34591	2-NITROPHENOL	UG/G	: 0.5K
A34605	2,4-DIMETHYLPHENOL	UG/G	: 0.5K
A77247	BENZOIC ACID	UG/G	: 5.0K
A34276	BIS(2-CHLOROETHOXY)METHANE	UG/G	: 0.5K
A34601	2,4-DICHLOROPHENOL	UG/G	: 0.5K
A34551	1,2,4-TRICHLOROBENZENE	UG/G	: 5.8
A34696	NAPHTHALENE	UG/G	: 1.6
A00000	4-CHLOROANILINE	UG/G	: 0.5K
A34391	HEXACHLOROBUTADIENE	UG/G	: 0.5K
A34452	4-CHLORO-3-METHYLPHENOL	UG/G	: 0.5K
A77415	2-METHYLNAPHTHALENE	UG/G	: 7.8
A34365	HEXACHLOROCYCLOPENTADIENE	UG/G	: 0.5K
A34621	2,4,6-TRICHLOROPHENOL	UG/G	: 0.5K
A77687	2,4,5-TRICHLOROPHENOL	UG/G	: 0.5K

SAMPLE NUMBER : 0970454

34581	2-CHLORONAPHTHALENE	UG/G	: 0.5K
A00000	2-NITROANILINE	UG/G	: 1.0K
A34341	DIMETHYLPHTHALATE	UG/G	: 0.5K
A34200	ACENAPHTHYLENE	UG/G	: 0.5K
A34625	2,6-DINITROTOLUENE	UG/G	: 0.5K
A73300	3-NITROANILINE	UG/G	: 1.0K
A34205	ACENAPHTHENE	UG/G	: 0.5K
A34516	2,4-DINITROPHENOL	UG/G	: 1.0K
A34645	4-NITROPHENOL	UG/G	: 1.0K
A61302	DIBENZOFURAN	UG/G	: 1.0
A34611	2,4-DINITROTOLUENE	UG/G	: 0.5K
A34336	DIETHYLPHTHALATE	UG/G	: 0.5K
A34641	4-CHLOROPHENYL PHENYL ETHER	UG/G	: 0.5K
A34361	FLUORENE	UG/G	: 3.0
A00000	4-NITROANILINE	UG/G	: 1.0K
A00000	4,6-DINITRO-2-METHYLPHENOL	UG/G	: 1.0K
A34655	4-BROMOPHENYL PHENYL ETHER	UG/G	: 0.5K
A39700	HEXACHLOROBENZENE	UG/G	: 0.5K
A39032	PENTACHLOROPHENOL	UG/G	: 1.0K
A34461	PHENANTHRENE	UG/G	: 9.7
A34220	ANTHRACENE	UG/G	: 0.5K
A39110	DI-N-BUTYLPHTHALATE	UG/G	: 3.4
A34376	FLUORANTHENE	UG/G	: 4.6
A34469	PYRENE	UG/G	: 3.5
A34292	BUTYL BENZYL PHTHALATE	UG/G	: 18
A34651	3,3'-DICHLOROBENZIDINE	UG/G	: 1.0K
A34325	BENZO(A)ANTHRACENE	UG/G	: 0.5K
A34320	CHRYSENE	UG/G	: 5.3
A39100	BIS(2-ETHYLHEXYL)PHTHALATE	UG/G	: 31
A34596	DI-N-OCTYLPHTHALATE	UG/G	: 3.3
A34230	BENZO(B)FLUORANTHENE	UG/G	: 1.1
A34242	BENZO(K)FLUORANTHENE	UG/G	: 0.5K
A34247	BENZO(A)PYRENE	UG/G	: 1.2
A34403	INDENO(1,2,3-CD)PYRENE	UG/G	: 1.8
A34556	DIBENZO(AH)ANTHRACENE	UG/G	: 0.5K
A34521	BENZO(GHI)PERYLENE	UG/G	: 1.6
A34416	CHLOROMETHANE	UG/G	: 1.0K
A34413	BROMOMETHANE	UG/G	: 1.0K
A39175	VINYL CHLORIDE	UG/G	: 1.0K
A34311	CHLOROETHANE	UG/G	: 1.0K
A34423	METHYLENE CHLORIDE	UG/G	: 0.5K
A61352	ACETONE	UG/G	: 1.6
A34483	TRICHLOROFLUOROMETHANE	UG/G	: 0.5K

SAMPLE NUMBER : D970454

A77277	BROMOCHLOROMETHANE	UG/G	: 0.5K
A77041	CARBON DISULFIDE	UG/G	: 0.5K
A34501	1,1-DICHLOROETHYLENE	UG/G	: 0.5K
A34496	1,1-DICHLOROETHANE	UG/G	: 0.8
A34546	TRANS-1,2-DICHLOROETHYLENE	UG/G	: 0.5K
A77093	CIS-1,2-DICHLOROETHYLENE	UG/G	: 0.5K
A32106	CHLOROFORM	UG/G	: 0.5K
A34531	1,2-DICHLOROETHANE	UG/G	: 0.5K
A81595	2-BUTANONE(MEK)	UG/G	: 1.0K
A34506	1,1,1-TRICHLOROETHANE	UG/G	: 0.5K
A32102	CARBON TETRACHLORIDE	UG/G	: 0.5K
A77057	VINYL ACETATE	UG/G	: 1.0K
A32101	DICHLOROBROMOMETHANE	UG/G	: 0.5K
A34541	1,2-DICHLOROPROPANE	UG/G	: 0.5K
A34704	CIS-1,3-DICHLOROPROPENE	UG/G	: 0.5K
A39180	TRICHLOROETHYLENE	UG/G	: 0.5K
A32105	CHLORODIBROMOMETHANE	UG/G	: 0.5K
A34511	1,1,2-TRICHLOROETHANE	UG/G	: 0.5K
A78124	BENZENE	UG/G	: 0.5K
A34699	TRANS-1,3-DICHLOROPROPENE	UG/G	: 0.5K
A34570	2-CHLOROETHYLVINYL ETHER	UG/G	: 0.5K
A32104	BROMOFORM	UG/G	: 0.5K
A78133	4-METHYL-2-PENTANONE(MIBK)	UG/G	: 1.0K
A77103	2-HEXANONE(MBK)	UG/G	: 1.0K
A34475	TETRACHLOROETHYLENE	UG/G	: 0.5K
A34516	1,1,2,2-TETRACHLOROETHANE	UG/G	: 0.5K
A78131	TOLUENE	UG/G	: 0.5K
A34301	CHLOROBENZENE	UG/G	: 0.5K
A78113	ETHYLBENZENE	UG/G	: 0.5K
A77126	STYRENE	UG/G	: 0.5K
A81551	XYLENE	UG/G	: 1.1

: THE FOLLOWING QUANTITATIONS ARE APPROXIMATE

: C4-SUBSTITUTED BENZENES	UG/G	;	1.0
: C5-SUBSTITUTED BENZENES	UG/G	;	1.9
: OTHER TRICHLOROBENZENES	UG/G	;	2.2
: OTHER METHYL NAPHTHALENES	UG/G	;	2.9
: DIMETHYL NAPHTHALENES	UG/G	;	18
: TRIMETHYL NAPHTHALENES	UG/G	;	12
: METHYLTETRAHYDRONAPHTHALENE#	UG/G	;	2.1
: 1,1-BIPHENYL#	UG/G	;	1.3
: METHYL BIPHENYL#	UG/G	;	1.0
: TETRAMETHYL BUTYLPHENOL#	UG/G	;	4.9

SAMPLE NUMBER : 0970454

: BIS(DIMETHYLETHYL)METHYLPHENOL#	UG/G	;	1.7
: METHYL PHENANTHRENE#	UG/G	;	3.6
: DIMETHYL PHENANTHRENE#	UG/G	;	5.3
: METHYL PYRENE#	UG/G	;	0.3
: ALIPHATIC HYDROCARBONS	UG/G	;	37.
: OTHER ORGANIC COMPOUNDS	UG/G	;	59

: #TENTATIVE IDENTIFICATION

RECORD CODE L P C S M 0 1 TRANS CODE A

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

0070455

REPORT DUE DATE 36 M / D / Y 41

FEDERAL ID NUMBER

SITE INVENTORY NUMBER 1630450056 (9–18)

REGION Southern 6 CO. St. Clair

East St. Louis/Lofton Iron and Metal

FACILITY NAME

MONITOR POINT NUMBER X102 (19–22) (see Instructions)

DATE COLLECTED 01/18/89 (23 M D Y 28)

IEPA LAB (x or Blank) X (29) (see Instructions)

FOR IEPA USE ONLY

COMPLAINT NO.

DATE RECEIVED 42 M / D / Y 47

SAMPLING PURPOSE CODE 4 (48) (see Instructions)

TIME CARD PROGRAM CODE 1941 (49–52) & UNIT CODE J (53)

BACKGROUND SAMPLE (X) 54

TIME COLLECTED (24 HR CLOCK) 13:40 (55 H M 58)

UNABLE TO COLLECT SAMPLE (see Instructions) 59

MONITOR POINT SAMPLED BY Q (60) (see Instructions) SS Travel OTHER (SPECIFY)

SAMPLE FIELD FILTERED - INORGANICS (X) 61 ORGANICS (X) 62

SAMPLE APPEARANCE 63 OFF-SITE SOIL SAMPLE DOWN GRADIENT FROM 102

COLLECTOR COMMENTS 103 DICHARGE & SAMPLE X1 01 142

SPECIAL INSTRUCTIONS TO LAB SW-846 [illegible] PCBs, Organic Scan

COLLECTED BY	INITIALS	DIVISION OR COMPANY	TRANSPORTED BY	DIVISION OR COMPANY
MD Grant	MDG (143–145)	DLPC	UPS	

LAB USE ONLY

LAB SAMPLE NO. 0070455 LAB NAME Springfield LAB ID NO. 146 149

DATE RECEIVED JAN 20 1989 AND ADDRESS

TIME RECEIVED

SAMPLE TEMP OKAY (Y/N) SAMPLE PROPERLY PRESERVED (Y/N) DATE COMPLETED FORWARD 2-14-89

LAB COMMENTS 150

J Hurley 199

SUPERVISOR SIGNATURE

RECORD CODE L P C S M 0 2 TRANS CODE A (COLUMNS 9-29 FROM ABOVE)

RECEIVED FEB 20 1989 IEPA/DLPC

FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL
DEPTH TO WATER (ft. below LS)	72019 (30–34)	35	36	37	38 – 47	48
ELEVATION OF GW SURFACE (ft. re[illegible]	71993					
TOTAL WELL DEPTH (ft. below LS)	72008					
pH (units) - Field	00400					
SPEC CONDUCTANCE (umhos) - Field	00094					
TEMP OF WATER SAMPLE (°F) - Field	00011					
DEPTH TO btm. CASING FROM M.P. (ft.)	72039					
DEPTH TO WATER FROM M.P. (ft.)	72109					
ELEVATION btm. CASING, MSL (ft.)	72020					
M.P. ELEVATION ABOVE L.S. (ft.)	82515					

This Agency is authorized to require this information under Illinois Revised Statutes 1979 Chapter 111 1/2 Section 1004 and 1021. Disclosure of this information is required. Failure to do so may result in a civil penalty up to $25,000 for each day the failure continues, a fine up to $1,000.00 [illegible] This form was approved by the Forms Management Center.

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

SAMPLE NUMBER : D970455
SAMPLING POINT DESC. : EAST ST LOUIS/LEFTON IRON & METAL/X102

SUBMITTING SOURCE # : SITE # : 1630450056
DATE COLLECTED : 890118 TIME COLLECTED : 1340 SAMPLING PROGRAM :

COLLECTED BY : M C GRANT DELIVERED BY : MAIL
COMMENTS : SW-846 PCB'S/ORGANIC SCAN
FUNDING CODE : CP41 AGENCY ROUTING : -- UNIT CODE :
SAM TYPE CODE : SAMPLE PURPOSE CODE : 4 REPORTING INDICATOR :

DATE RECEIVED : 890120 TIME RECEIVED : 1000 RECEIVED BY : D V
LAB OBSERVATIONS : 1 8OZ SOIL TRIP BL SAM# :
SUPERVISORS INITIALS : JTH NOTE : K = LESS THAN VALUE

A39517	TOTAL PCBS	UG/G	: 79
A34694	PHENOL	UG/G	: 0.5K
A34273	BIS(2-CHLOROETHYL)ETHER	UG/G	: 0.5K
A34586	2-CHLOROPHENOL	UG/G	: 0.5K
A34566	1,3-DICHLOROBENZENE	UG/G	: 0.5K
A34571	1,4-DICHLOROBENZENE	UG/G	: 0.5K
A77147	BENZYL ALCOHOL	UG/G	: 0.5K
A34536	1,2-DICHLOROBENZENE	UG/G	: 0.5K
A00000	2-METHYLPHENOL	UG/G	: 0.5K
A34283	BIS(2-CHLOROISOPROPYL)ETHER	UG/G	: 0.5K
A00000	4-METHYLPHENOL	UG/G	: 0.5K
A34428	N-NITROSO-DI-N-PROPYLAMINE	UG/G	: 0.5K
A34396	HEXACHLOROETHANE	UG/G	: 0.5K
A34447	NITROBENZENE	UG/G	: 0.5K
A34403	ISOPHORONE	UG/G	: 0.5K
A34591	2-NITROPHENOL	UG/G	: 0.5K
A34606	2,4-DIMETHYLPHENOL	UG/G	: 0.5K
A77247	BENZOIC ACID	UG/G	: 5.0K
A34273	BIS(2-CHLOROETHOXY)METHANE	UG/G	: 0.5K
A34601	2,4-DICHLOROPHENOL	UG/G	: 0.5K
A34551	1,2,4-TRICHLOROBENZENE	UG/G	: 0.5K
A34696	NAPHTHALENE	UG/G	: 0.5K
A00000	4-CHLOROANILINE	UG/G	: 0.5K
A34391	HEXACHLOROBUTADIENE	UG/G	: 0.5K
A34452	4-CHLORO-3-METHYLPHENOL	UG/G	: 0.5K
A77415	2-METHYLNAPHTHALENE	UG/G	: 0.5K
A34386	HEXACHLOROCYCLOPENTADIENE	UG/G	: 0.5K
A34621	2,4,6-TRICHLOROPHENOL	UG/G	: 0.5K
A77687	2,4,5-TRICHLOROPHENOL	UG/G	: 0.5K

SAMPLE NUMBER : D970455

A34581	2-CHLORONAPHTHALENE	UG/G	: 0.5K
A00000	2-NITROANILINE	UG/G	: 1.0K
A34341	DIMETHYLPHTHALATE	UG/G	: 0.5K
A34200	ACENAPHTHYLENE	UG/G	: 0.5K
A34526	2,6-DINITROTOLUENE	UG/G	: 0.5K
A78300	3-NITROANILINE	UG/G	: 1.0K
A34205	ACENAPHTHENE	UG/G	: 0.5K
A34615	2,4-DINITROPHENOL	UG/G	: 1.0K
A34540	4-NITROPHENOL	UG/G	: 1.0K
A31502	DIBENZOFURAN	UG/G	: 0.5K
A34611	2,4-DINITROTOLUENE	UG/G	: 0.5K
A34335	DIETHYLPHTHALATE	UG/G	: 0.5K
A34641	4-CHLOROPHENYL PHENYL ETHER	UG/G	: 0.5K
A34381	FLUORENE	UG/G	: 0.5K
A00000	4-NITROANILINE	UG/G	: 1.0K
A00000	4,6-DINITRO-2-METHYLPHENOL	UG/G	: 1.0K
A34636	4-BROMOPHENYL PHENYL ETHER	UG/G	: 0.5K
A39700	HEXACHLOROBENZENE	UG/G	: 0.5K
A39032	PENTACHLOROPHENOL	UG/G	: 1.0K
A34401	PHENANTHRENE	UG/G	: 0.7
A34220	ANTHRACENE	UG/G	: 0.5K
A39110	DI-N-BUTYLPHTHALATE	UG/G	: 1.8
A34376	FLUORANTHENE	UG/G	: 0.5K
A34409	PYRENE	UG/G	: 0.5K
A34292	BUTYL BENZYL PHTHALATE	UG/G	: 1.7
A34631	3,3'-DICHLOROBENZIDINE	UG/G	: 1.0K
A34326	BENZO(A)ANTHRACENE	UG/G	: 0.5K
A34320	CHRYSENE	UG/G	: 1.1
A39100	BIS(2-ETHYLHEXYL)PHTHALATE	UG/G	: 4.5
A34596	DI-N-OCTYLPHTHALATE	UG/G	: 0.5K
A34230	BENZO(B)FLUORANTHENE	UG/G	: 0.5K
A34242	BENZO(K)FLUORANTHENE	UG/G	: 0.5K
A34247	BENZO(A)PYRENE	UG/G	: 0.5K
A34403	INDENO(1,2,3-CD)PYRENE	UG/G	: 0.5K
A34556	DIBENZO(AH)ANTHRACENE	UG/G	: 0.5K
A34521	BENZO(GHI)PERYLENE	UG/G	: 0.5K
A34413	CHLOROMETHANE	UG/G	: 1.0K
A34413	BROMOMETHANE	UG/G	: 1.0K
A39175	VINYL CHLORIDE	UG/G	: 1.0K
A34311	CHLOROETHANE	UG/G	: 1.0K
A34423	METHYLENE CHLORIDE	UG/G	: 0.5K
A31552	ACETONE	UG/G	: 1.5
A34465	TRICHLOROFLUOROMETHANE	UG/G	: 0.5K

SAMPLE NUMBER : D970455

A77277	BROMOCHLOROMETHANE	UG/G	: 0.5K
A77041	CARBON DISULFIDE	UG/G	: 0.5K
A34501	1,1-DICHLOROETHYLENE	UG/G	: 0.5K
A34496	1,1-DICHLOROETHANE	UG/G	: 0.5K
A34545	TRANS-1,2-DICHLOROETHYLENE	UG/G	: 0.5K
A77095	CIS-1,2-DICHLOROETHYLENE	UG/G	: 0.5K
A32106	CHLOROFORM	UG/G	: 0.5K
A34531	1,2-DICHLOROETHANE	UG/G	: 0.5K
A81595	2-BUTANONE(MEK)	UG/G	: 1.0K
A34506	1,1,1-TRICHLOROETHANE	UG/G	: 0.5K
A32102	CARBON TETRACHLORIDE	UG/G	: 0.5K
A77057	VINYL ACETATE	UG/G	: 1.0K
A32101	DICHLOROBROMOMETHANE	UG/G	: 0.5K
A34541	1,2-DICHLOROPROPANE	UG/G	: 0.5K
A34704	CIS-1,3-DICHLOROPROPENE	UG/G	: 0.5K
A59160	TRICHLOROETHYLENE	UG/G	: 0.5K
A32105	CHLORODIBROMOMETHANE	UG/G	: 0.5K
A34511	1,1,2-TRICHLOROETHANE	UG/G	: 0.5K
A78124	BENZENE	UG/G	: 0.5K
A34699	TRANS-1,3-DICHLOROPROPENE	UG/G	: 0.5K
A34576	2-CHLOROETHYLVINYL ETHER	UG/G	: 0.5K
A32104	BROMOFORM	UG/G	: 0.5K
A78133	4-METHYL-2-PENTANONE(MIBK)	UG/G	: 1.0K
A77103	2-HEXANONE(MBK)	UG/G	: 1.0K
A34475	TETRACHLOROETHYLENE	UG/G	: 0.5K
A34516	1,1,2,2-TETRACHLOROETHANE	UG/G	: 0.5K
A78131	TOLUENE	UG/G	: 0.5K
A34301	CHLOROBENZENE	UG/G	: 0.5K
A78113	ETHYLBENZENE	UG/G	: 0.5K
A77128	STYRENE	UG/G	: 0.5K
A81551	XYLENE	UG/G	: 0.5K

: THE FOLLOWING QUANTITATIONS ARE APPROXIMATE

: DIMETHYL NAPHTHALENE	UG/G	; 1.5
: TRIMETHYL NAPHTHALENE	UG/G	; 2.3
: ALIPHATIC HYDROCARBONS	UG/G	; 16
: OTHER ORGANIC COMPOUNDS	UG/G	; 4.5

	B-1	B-2	B-3	B-4	B-5	B-6	B-7	B-8	B-9	B-10	B-11	B-12	B-13
Composite	26.5	12.6	28.4	48.7	34.6	32.1	51.1	14.0	27.8	23.9	30.4	27.0	7.75

40.3	10.2	15.6	35.3	2.68	7.54	4.36	2.41	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BMQL	.947
25.7	46.0	19.7	15.2	32.0	30.3	42.7	29.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25.4	6.85

L-1	55.2	1.06	27.2	35.7
6.7	12.6	26.1	18.1	8.45
L-3	64.4	4.60	8.3	BMQ
36.4	30.1	5.26	8.57	6.25
L-5	72.4	12.7	NA	NA
13.3	75.8	6.76	NA	NA

L-2 5.72

L-4 3.30

L-6 1.12

All Values in parts per million
NA = No Analysis
BMQL = Below Method Quantitation Limit

SCALE	DRAWN BY	NO.	DATE	REVISION	BY
DATE	CHECKED				
SHEET __ OF	APPROVED				

Lefton Iron & Metal
E. St. Louis, Ill
Soil Sample Results - PCB 0"-3"

O. H. MATERIALS CO.
EMERGENCY RESPONSE AND ENVIRONMENTAL RESTORATION
BOX 551 FINDLAY OHIO
419-423 3526 800/537 8540

PROJECT	DRAWING	REVISION
7125	7125-05	

N61201

The decision process from that point for each grid section was as follows:

- If PCB concentration from first depth interval is less than 2.5 (10 ppm divided by 4) then no further analysis is required
- If PCB concentration is greater than 2.5 ppm then analyze each subsection sample and analyze composite from second depth interval (3 inches to 12 inches)
- If PCB concentration is less than 2.5 ppm, then cease further work
- If PCB concentration is greater than 2.5 ppm, then analyze each subsection grid sample and analyze the third and final depth interval (12 inches to 24 inches)
- If the PCB concentration is greater than 2.5 ppm, then analyze each subsection grid sample and report results

During the initial analytical process the majority of composite samples results indicated PCB concentrations in excess of 20 ppm (target of 2.5 ppm). Due to this development and budget restraints, OHM conferred with the IEPA representative to best utilize the samples obtained and remain within the budget. The results of that discussion called for analysis of only the grid composites from the Brady Street site and follow the work plan for the Lefton site. The basis of this decision assumed that if the composite analysis results exceed the target criterion of 2.5 ppm, then there was a great probability that further analysis of each subsection sample would not provide additional relevant data. Drawing 7125-05 through 7125-07 show the sample results by depth interval.

QUANTITIES

The target criteria for soil removal initially established by IEPA is 10 ppm PCB.

The following tabularizes the square footage and converts to cubic yards the results of the sample plan by depth interval.

Brady First Interval 0" - 3"

Grid	Concentration (ppm)	Affected Area (sq ft)
B-1	26.5	1,625
B-2	17.6	1,625
B-3	28.4	813
B-4	48.7	813
B-5	34.6	813
B-6	32.1	813
B-7	51.1	813

	B-1	B-2	B-3	B-4	B-5	B-6	B-7	B-8	B-9	B-10	B-11	B-12	B-13
Composite	8.88	15.9	55.4	32.7	38.2	32.0	566	169	246	39.5	2.43	ND	4.89

9.57	2.12	10.6	3.07	1.9	.79	17.5	.59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BMQL	BMQL
262	136	84.5	22.4	58	30.9	37.6	18.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	---	3.33

L-1	63.6	6.99	---	8.12
16.0	44.3	7.02	---	6.38
L-3	---	---	9.88	BMQL
---	---	---	14.3	.958
L-5	123	---	---	NA
23.9	113	5.28	---	NA

L-2 7.83

L-4 5.26

L-6 NA

All values in parts per million
NA: No Analysis
BMQL: Below Method Quantitation Limit
--- : No sample taken
ND: Not Detected

SCALE	DRAWN BY	NO.	DATE	REVISION	BY
DATE	CHECKED				
SHEET __ OF __	APPROVED				

Lefton Iron + Metal
E. St. Louis, Ill.
Soil Sample Results - PCB - 3"-12"

O. H. MATERIALS CO.
EMERGENCY RESPONSE AND ENVIRONMENTAL RESTORATION
BOX 551 FINDLAY OHIO
419-423 3570 800-537 8540

PROJECT	DRAWING	REVISION
7125	7125-06	

	B-1	B-2	B-3	B-4	B-5	B-6	B-7	B-8	B-9	B-10	B-11	B-12	B-13
Composite	42.9	42.7	14.5	8.3	105	15.3	63.9	14.2	18.5	38.1	NA	NA	<3.0

NA	NA	NA	NA	NA	NA	.798	6.28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	52.1	204	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

L-1 61.0	541	905	---	8.85
	262	623	---	BMRL
L-3 ---	---	---	---	NA
	---	---	---	NA
L-5 170	868	---	---	NA
	147	---	---	NA

L-2 10.9

L-4 <3.0

L-6 NA

All values in parts per million

NA = No Analysis

BMRL =

--- = No sample taken

SCALE	DRAWN BY	NO.	DATE	REVISION	BY
DATE	CHECKED				
SHEET	APPROVED				

Leston Iron & Metal
E. St. Louis, Ill.
Soil Sample Results - PCB 12"-24"

O. H. MATERIALS CO.
EMERGENCY RESPONSE AND ENVIRONMENTAL RESTORATION
BOX 551 FINDLAY OHIO
419-423 3520 800/537 9540

PROJECT	DRAWING	REVISION
7125	7125-07	

NA1201

Grid	Concentration (ppm)	Affected Area (sq ft)
B-8	14.0	813
B-9	27.8	813
B-10	23.9	813
B-11	30.4	813
B-12	27.0	813
B-13	7.75	813
		12,193 sq ft

12,913 square feet at 3" = 112.9 cubic yards

(Note: Refuse is present along the north side of Brady Road which is not a traffic area. Initial results of PCB concentration along the north side indicated PCB concentration of less than 10 ppm. OHM assumes this trend would continue as confirmed by the sample results for Grid B-13-B of .947 ppm.)

Brady Second Interval 3" - 12"

Grid	Concentration	Affected Area (sq ft)
B-1	8.88	813
B-2	15.9	813
B-3	55.4	813
B-4	33.7	813
B-5	38.2	813
B-6	32.0	813
B-7	51.6	813
B-8	16.9	813
B-9	24.5	813
B-10	39.5	813
B-11	2.43	0
B-12	ND	0
B-13	4.89	406
		8,536 sq ft

8,536 sqare feet at 3"-12" = 237.11 cubic yards

Brady Third Interval 12" - 24"

Grid	Concentration	Affected Area (sq ft)
B-1	49.9	813
B-2	49.7	813
B-3	14.5	813
B-4	8.3	813
B-5	105	813
B-6	15.3	813
B-7	63.9	813
B-8	14.2	813

Grid	Concentration	Affected Area (sq ft)
B-9	18.5	813
B-10	38.1	813
B-11	NA	0
B-12	NA	0
B-13	< 3.0	0
		8,130 sq ft

8,130 square feet at 12" - 24" = 301.11 cubic yards

Brady Road Summary

First Interval = 112.90
Second Interval = 237.11
Third Interval = 301.11

651.12 cubic yards

Note however that clean samples from the bottom interval were not found. OHM would recommend additional sampling to determine PCB concentrations at depths greater than 24 inches.

Lefton First Interval 0" - 3"

Grid	Concentration	Affected Area (sq ft)
L-1 (composite)	6.7	-
A	55.2	645
B	1.06	-
C	13.6	645
D	21.1	645
L-2 (composite)	5.72	-
A	27.2	645
B	35.7	645
C	18.1	645
D	8.45	-
L-3 (composite)	36.4	-
A	64.4	645
B	4.6	-
C	30.1	645
D	56.6	645
L-4 (composite)	3.3	-
A	8.3	-
B	BMQL	-
C	8.51	-
D	1.25	-
L-5 (composite)	13.3	-
A	72.4	645
B	17.7	645
C	75.8	645
D	6.76	-

Grid	Concentration	Affected Area (sq ft)
L-6 (composite)	1.12	-
A	NA	-
B	NA	-
C	NA	-
D	NA	-
		7,740 sq ft

7,740 square feet at 0" - 3" = 71.67 cubic feet

Lefton Second Interval 3" - 12"

Grid	Concentration	Affected Area (sq ft)
L-1 (composite)	16.0	-
A	63.6	645
B	6.99	0
C	44.3	645
D	7.02	-
L-2 (composite)	7.83	-
A	-	-
B	-	-
C	8.12	-
D	6.33	-
L-3 (composite)	-	-
A	-	645
B	-	-
C	-	645
D	-	-
L-4 (composite)	5.26	-
A	9.88	-
B	BMQL	-
C	11.3	645
D	.958	-
L-5 (composite)	73.9	-
A	123	645
B	-	-
C	113	645
D	5.28	-
L-6 (composite)	NA	-
A	NA	-
B	NA	-
C	NA	-
D	NA	-
		4,515 sq ft

4,515 square feet at 3" - 12" = 125.42 cubic yards

Lefton Third Interval

Grid	Concentration	Affected Area (sq ft)
L-1 (composite)	61.0	-
A	54.1	645
B	905	645
C	262	645
D	6.23	-
L-2 (composite)	10.9	-
A	-	-
B	-	-
C	8.85	-
D	BMQL	-
L-3 (composite)	-	-
A	-	645
B	-	-
C	-	645
D	-	-
L-4 (composite)	< 3.0	-
A	NA	-
B	NA	-
C	NA	-
D	NA	-
L-5 (c0mposite)	170	-
A	86.8	645*
B	-	-
C	147	645*
D	-	-
L-6 (composite)	NA	-
A	NA	-
B	NA	-
C	NA	-
D	NA	-
		4,515 sq ft

4,515 square feet at 12" - 24" = 167.22 cubic yards

* Samples were not obtained from these locations due to buried debris, drums, etc., however, the trend indicates a high probability of PCB concentration in excess of 10 ppm.

Lefton Summary

First Interval	=	71.67
Second Interval	=	125.42
Third Interval	=	167.22

364.31 cubic yards

Again, note that samples with PCB concentration of less than 10 ppm were not obtained from the bottom depth intervals of Grids L-1, L-3, and L-5. OHM would recommend additional sampling to better define these areas.

WIPE SAMPLES

A total of 12 wipe samples were obtained from the refuse; one sample was taken every 100 feet from Brady Road (total of 6 samples) and one sample was taken form every grid on Lefton (total of 6 samples). The following summarizes the analytical results for the wipe samples.

Brady Road

Sample	Result (ug/100 square centimeters)
BW-1	1.72
BW-2	< 1.0
BW-3	< 1.0
BW-4	< 1.0
BW-5	< 1.0
BW-6	< 1.0

Lefton

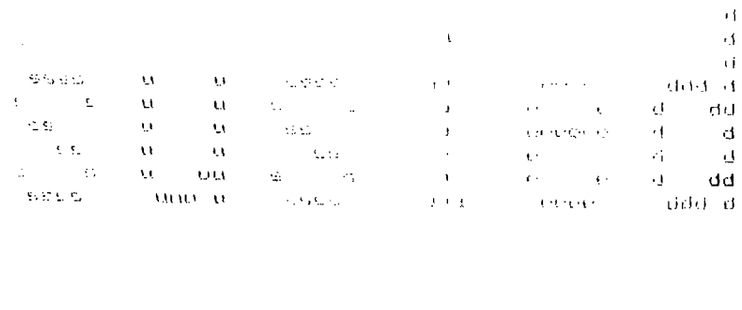
LW-1	1.58
LW-2	< 1.0
LW-3	1.2
LW-4	< 1.0
LW-5	1.51
LW-6	< 1.0

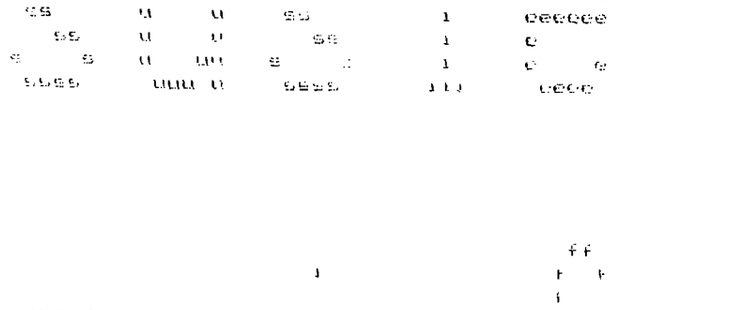
Per the criteria established by IEPA, the results indicate that no further action need be taken on the refuse. (Target criteria = 10 ug/100 sq cm)

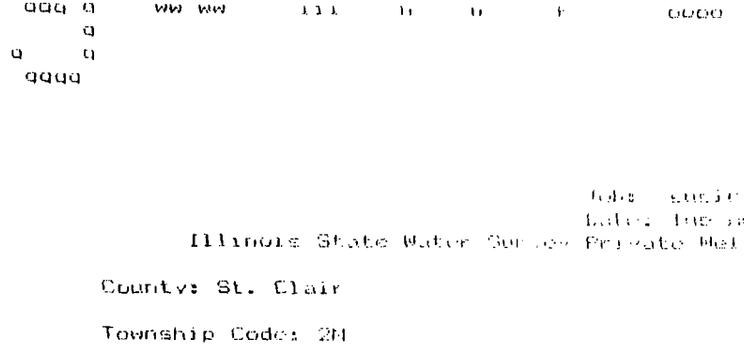
SUMMARY

As previously stated, OHM would recommend additional sampling of select areas of the Lefton property and the south side of Brady Road. A minimum of 651 cubic yards of soil with PCB concentration in excess of 10 ppm is present on the Brady Road site. Each additional one-foot interval of soil removal from the south side of Brady Road would result in approximately 300 cubic yards. A minimum of 364 cubic yards of affected soil is present on the Lefton site. Each additional one foot of soil removed from the affected grids would result in approximately 167 cubic yards.

The wipe sample results indicate no further action is necessary.







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                                                                  d
                                  1                               d
                                                                  d
 ssss    u    u    ssss        11        eeee        ddd d
s    s   u    u   s    s       1       e    e     d   dd
 ss      u    u    ss          1       eeeeee     d    d
   ss    u    u      ss        1       e          d    d
s    s   u   uu   s    s       1       e    e     d   dd
 ssss     uuu u    ssss       111       eeee       ddd d


                                  1

 ssss    u    u    ssss        11        eeee
s    s   u    u   s    s       1       e    e
 ss      u    u    ss          1       eeeeee
   ss    u    u      ss        1       e
s    s   u   uu   s    s       1       e    e
 ssss     uuu u    ssss       111       eeee


                                                ff
                          1                    f  f
                                               f
 qqq q    w      w      11      n nnn         f        oooo
q   qq    w  w  w       1      nn   n      fffff      o    o
q    q    w  w  w       1      n    n        f        o    o
q    q    w  w  w       1      n    n        f        o    o
q   qq    w  w  w       1      n    n        f        o    o
 qqq q     ww ww       111     n    n        f         oooo
     q
q    q
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Job: susie
Date: Tue Aug 18 13:31:26 1992
Illinois State Water Survey Private Well Database Page 1

County: St. Clair

Township Code: 2N
Range Code: 9W
Section Codes: (All)

110 records were found for the specified location.

Questions : Contact the Illinois State Water Survey's

Please Note:

The data in the Private Well Inventory Database is a listing of those non-municipal wells which are known to the Illinois State Water Survey (ISWS). This information has been entered verbatim from well logs submitted by the driller, chemical analysis reports, well sealing forms, well inventory forms from the 1930-1934 well survey, and other special projects. The accuracy of this data is controlled by those who submitted the form. Information in the private well database has not been verified.

St. Clair County Private Well Database - Page 2

TWN	RNG	SC	PL	OWNER	DRILLER	DATE	PERMIT	DPTH	REC	US	TY	AQ
02N	09W			ILL MINERAL AND MILLING PLANT		00/00/1906		57	C	CM	[illegible]	[illegible]
02N	09W			ARMOUR		00/00/1914		100	C	CM	[illegible]	[illegible]
02N	09W			ALCOA		00/00/1917		130	C	IN	[illegible]	[illegible]
02N	09W			GEN CHEM CO		00/00/1917		98	C	CM	[illegible]	[illegible]
02N	09W			HUNTER PKG CO	BUTLER	04/20/1953		114	L	CM	[illegible]	[illegible]
02N	09W			AL ORE COD	BAITS	04/05/1917		115	L	IN		
02N	09W	01	4A	WEISERT C		00/00/1954		115	C	DO	[illegible]	[illegible]
02N	09W	01	4A	E ST LOUIS REDUCING		00/00/1954		107	I	CM	[illegible]	[illegible]
[illegible]	[illegible]	01	5A	METRO AUTO SALVAGE	ST CH DRILL	07/25/1981	[illegible]	84	L	CM	[illegible]	[illegible]
02N	09W	01	8D	CLEVELAND C	KOHNEN	12/16/1969	M005707	48	L		DO	[illegible]
02N	09W	02		KOMM THEATERS	WATSON	00/00/1949		92	L	CM	[illegible]	[illegible]
02N	09W	02	4H	MONKS MOUND(SAMPLE STUDY)		00/00/1945		205	L	CM	[illegible]	
02N	09W	02	5H	KOMM THEATERS		00/00/1949			C	CM	[illegible]	[illegible]
02N	09W	03		GEN CHEM CO	WISE	00/00/1924		120	L	CM		[illegible]
02N	09W	03		GEN CHEM CO		00/00/1913		[illegible]	C	CM		[illegible]
02N	09W	03		ILL FRM SUPPLY	WATSON	04/28/1948		100	L	CM		
[illegible]	[illegible]	[illegible]		FS SERV		00/00/1948		100	IC	CM	[illegible]	[illegible]
02N	09W	03	3G	ILL FRM SUPPLY	WATSON	04/00/1948		110	L	CM	[illegible]	[illegible]
02N	09W	03	7A	ALLIED CHEM CORP		00/00/1950		115	IC	DO	[illegible]	[illegible]
02N	09W	03	8A	GEN CHEM CO		00/00/1922		[illegible]	L	CM		
02N	[illegible]	[illegible]	[illegible]	VIRG CARD CHEM		00/00/1931		115	IC	CM	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	GEN CHEM CO		07/00/1943		110	L	CM		
02N	09W	[illegible]	[illegible]	QUICK SHEET OIL CO		00/00/1943		[illegible]	L	CM	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	L	CM		

02N	09W	[redacted]		UNITED [illegible]	[redacted]	[redacted]	[redacted]		[illegible]	[illegible]	[illegible]	
02N	09W	[redacted]		UNITED [illegible]	[redacted]	[redacted]	[redacted]		[illegible]	[illegible]	[illegible]	
02N	09W	04	1A	SWIFT [illegible]			[illegible]		[illegible]	[illegible]	[illegible]	
02N	09W	04	3A	AM ZINC CO		[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	
02N	09W	04	3B	AM ZINC CO		WATSON	10/00/1947		110	LC	CM	
02N	09W	04	3C	AM ZINC CO		WATSON	[illegible]		122	CI	CM	
02N	09W	04	4A	AM ZINC CO		WATSON	[illegible]		100	L	CM	
02N	09W	05	1H	HOGAN J		BABEL DR	03/[illegible]/1971	[illegible]	29	L		UN
02N	09W	06	1D	GATEWAY TRUCK STOP		WATSON	00/00/1957		85	LC	CM	
02N	09W	06	3F	GATEWAY MOBILEHOME		FORMEN	04/24/1989	29 29	78	L	DO	UN
02N	09W	06	6G	FARMERS ENERGY		FORMEN	10/06/1980	M096992	79	L	CM	
02N	09W	07	5D	CIRCLE FEED CO		WATSON	02/00/1942		120	L	CM	
02N	09W	07	5E	CIRCLE FEED CO		LUHR	00/00/1962		112	LC	CM	
02N	09W	07	5E	CIRCLE FEED CO		LUHR	07/19/1966		115	LC	CM	
02N	09W	07	6D	CIRCLE FEED CO			00/00/1941		111	LC	CM	
02N	09W	07	6E	E SIDE PET			00/00/1906		100	L	CM	
02N	09W	07	6E	HUNTER FEED CO		LAYNE WESTERN	00/00/1968		136	T	LM	
02N	09W	07	6E	HUNTER FEED CO		BUTLER	04/21/1958		116	L	CM	
[redacted]				STATE OF ILLINOIS NO.9		KENNEDY	04/05/1989		196	L	IR	UN

St. Clair County - Private Well Database Page 3

TWP	RNG	SC	PL	OWNER	DRILLER	DATE	PERMIT	DPTH	REC	US	TY	AU
02N	09W	07	7B	STATE OF ILLINOIS NO.8	KENNEDY	04/10/1989		86	L	IR		UN
02N	09W	07	7E	HUNTER FEED CO	LUHR	03/06/1956		106	LC	CM		
02N	09W	07	7E	HUNTER FEED CO	FRANK	03/22/1957		100	L	CM		
02N	09W	07	7F	HUNTER FEED CO		00/00/1943		110	C	CM		
02N	09W	08	7A	PFIZER	LAYNE WESTERN	08/14/1972	M016352	115	L	CM		
02N	09W	08	7A	PFIZER	RUESTER	11/00/1983	M109867	117	L	CM		
[redacted]				PENN PR LAFF FOOD HOUSE	WATSON	09/00/1941		115	L	CM		
[redacted]				NIEDERER DAIRY		00/00/1936		96	C	CM		
02N	[redacted]	07	7A	NIEDERER DAIRY	WATSON	03/00/1946		98	LC	CM		
02N	09W	10	3D	WATERLOO ICECREAM		00/00/1942		122	L	CM		
02N	09W	10	3D	WATERLOO ICECREAM		00/00/1942		124	L	CM		
02N	[redacted]	10	6G	WALWORTH CO		00/00/1943		122	L	CM		
02N	[redacted]	10	8H	WALWORTH CO		00/00/1943		124	L	CM		
[redacted]				HAVEL T	ST CH DRILL	09/01/1987	M134817	220	L	DO		
02N	09W	[redacted]	7H	BLUFF VIEW MOOR	MCCORD	05/16/1985	M116772	100	L	IR		
[redacted]				NAGLE T	DS DRILL	11/15/1973	M026727	63	L	DO		
[redacted]	09W	14	4F	BLUFF VIEW MOOR	MCCORD	05/15/1985	M166774	118	L	IR		
02N	09W	14	6H	TOJO F	LUHR	09/17/1964		116	LC	DO		
02N	09W	15	1E	FREEDOM CONCRETE	ST CH DRILL	12/08/1987	M137981	190	L	CM		
02N	09W	15	7A	SCHRAMZ J		09/08/1964		98	L	DO		
02N	09W	16				00/00/1939		110	C	DO		
02N	09W	16		JONES M.		00/00/1954			C	PR		
02N	09W	16	7A	E ST LOUIS CASTINGS		02/00/1943		116	LC	CM		
[redacted]	09W	16	8E	WATERLOO ICECREAM	WATSON	09/09/1939		59	L	CM		
[redacted]				AM ASPHALT ROOFING	WATSON	02/00/1947		105	L	CM		
[redacted]	09W	17	5E	AM ASPHALT ROOFING		00/00/1939		115	LC	CM		
[redacted]	[redacted]	17	6F	E ST LOUIS PK DIST		00/00/1930		110	L	PI		
[redacted]	[redacted]	17	7F	WILLIAMS PAINT CO	THORPE	06/00/1929		117	L	CM		
[redacted]	09W	17	7G	WILLIAMS PAINT CO		00/00/1928		100	L	CM		
02N	09W	17	7G	WILLIAMS PAINT CO	THORPE	00/00/1947		114	L	CM		
[redacted]	09W	17	7G	WILLIAMS PAINT CONTEST	LAYNE WESTERN	00/00/1947		117	LC	CM		
[redacted]	09W	17	7G	WILLIAMS PAINT CO	THORPE	[illegible]		135	L	CM		
02N	09W	17	7G	WILLIAMS PAINT CONTEST	LAYNE WESTERN	[illegible]		116	LC	CM		
02N	09W	17	7G	WILLIAMS PAINT CO	THORPE	[illegible]		[illegible]	L	CM		
02N	09W	17	7H	PFIZER	THORPE	[illegible]		114	LC	CM		
[redacted]	09W	17	8B	DRUG STORE		[illegible]		[illegible]		CM		
[redacted]	09W	[redacted]	7C	ROXY THEATRE		[illegible]		[illegible]		CM		
[redacted]				BANNER ICE	WATSON	[illegible]		116	CI	CM		

02N	09W	[illegible]	8F	[illegible]			[illegible]		[illegible]	[illegible]	
02N	09W	[illegible]	8F	CERTAIN TEEL [illegible]			09/03/1950		[illegible]	[illegible]	
02N	09W	[illegible]	8F	CERTAIN TEEL [illegible]			10/[illegible]/1950		[illegible]	[illegible]	
02N	09W	19	8G	LEHP [illegible]			00/00/1946		[illegible]	[illegible]	

St. Clair County Private Well Database Page 4

TWN	RNG	SC	PL	OWNER	DRILLER	DATE	PERMIT	DEPTH	REC	USE	TY	AQ
02N	09W	20	8A	ALTON AND SOUTH BR		00/00/1944		100	C	IN		
02N	09W	23	1A	OPEN AIR THEATRE	WATSON	10/00/1941		83	L	CM		
02N	09W	23	1E	POPP R	ST CH DRILL	07/27/1977	M063762	114	L	DU		
02N	09W	23	2F	POPP R	KOHNEN	06/23/1984	M113125	61	L	IR		
02N	09W	24	1E	CERTAIN TEEL POUFTRY		00/00/1936			C	CH		
02N	09W	25				00/00/1958		7	C		IN	
02N	09W	25		UNCLE TOMS CABIN	POHEY	00/00/1941		380	L	CM		
02N	09W	[illegible]	3H	AM ZINC CO		1 / /		97	C	CM		
02N	09W	29		ALUMINUM ORE COO		10/00/1940		1215	L	IN		
02N	09W	29	5G	IND TRACK SUP INC	KOHNEN	01/19/1981	M098111	32	L		DU	
02N	09W	29	8F	CHEM TECH PROD		00/00/1972		98	LC	CM		
02N	09W	30	1H	AL ORE CO		00/00/1943		118	LC	IN		
02N	09W	30	1H	AL ORE CO		00/00/1943		121	LC	IN		
02N	09W	30	1H	AL ORE CO		00/00/1943		112	L	IN		
02N	09W	30	1H	AL ORE CO	BOTTS	06/30/1925		115	LC	IN		
02N	09W	30	5H	KEY CO	WATSON	00/00/1943		118	L	CM		
02N	09W	30	6H	KEY CO		00/00/1943		100	C	CM		
02N	09W	30	7G	ALTON AND SOUTH BR		00/00/1944			C	IN		
02N	09W	34		KRAMER E		00/00/1919		72	L		DU	
02N	09W	34	5A	WELKER F		09/00/1984		315	C	DU		

Illinois State Water Survey Private Well Database Page 1

County: St. Clair

Township Code: 2N
Range Code: 10W
Section Codes: [illegible]

[illegible] locations.

Questions : Contact the Illinois State Water Survey's Ground Water Division [illegible]

Publications: Please cite the Illinois State Water Survey's Private Well Database in all publications based wholly or partially on this information.

Please Note:

The data in the Private Well Inventory Database is a listing of those non-municipal wells which are known to the Illinois State Water Survey (ISWS). This information has been entered verbatim from well logs submitted by the driller, chemical analysis reports, well sealing forms, well inventory forms from the 1930-1934 well survey, and other special projects. The accuracy of this data is controlled by those who submitted the form. Information in the private well database has not been verified.

St. Clair County Private Well Database - Page 2

TWN	RNG	SC	PL	OWNER	DRILLER	DATE	PERMIT	DPTH	REC	US	FT	AQ
02N	10W			ARMOUR		00/00/1907		38	C		DH	[illegible]
02N	10W			MONSANTO CHEM	WATSON	00/00/1941		[illegible]	L	IN		[illegible]
02N	10W			MONSANTO CHEM	WATSON	00/00/1941		[illegible]	L	IN		[illegible]
02N	10W			MONSANTO CHEM(TEST)	WATSON	00/00/1941		[illegible]	L	IN	[illegible]	[illegible]
02N	10W			MONSANTO CHEM	WATSON	00/00/1941		[illegible]	L	IN		[illegible]
02N	10W			SWIFT AND CO	THORPE	00/00/1942		[illegible]	L	IN		[illegible]
02N	10W			SWIFT AND CO	LUHR	00/00/1956		[illegible]	L	IN	[illegible]	[illegible]
02N	10W			MOBIL OIL		00/00/1957		[illegible]	L	IN		
02N	10W			MONSANTO CHEM(TEST)	LAYNE WESTERN	[illegible]		[illegible]	L	IN		[illegible]
02N	10W			MONSANTO CHEM(TEST)	LAYNE WESTERN	02/00/1948		[illegible]	L	IN		[illegible]
02N	10W			SWIFT AND CO	LUHR	[illegible]		[illegible]	L	IN		[illegible]
02N	10W			SWIFT AND CO	WATSON	[illegible]		[illegible]	L	IN		[illegible]
02N	10W			MONSANTO CHEM	WATSON	[illegible]		[illegible]	L	IN		[illegible]
02N	10W			SUCONY OIL		[illegible]		[illegible]	L	IN		
02N	10W			SUCONY OIL	WATSON	[illegible]		[illegible]	L	IN		[illegible]
02N	10W			SUCONY OIL	WATSON	[illegible]		[illegible]	L	IN		[illegible]
02N	10W			MONSANTO CHEM		[illegible]		[illegible]		IN		

[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
02N	10W	[illegible]	2B	NAT STOCK YARD	[illegible]	[illegible]	05/12/1969		111	LC	CM
02N	10W	[illegible]	2H	USS AGRICHEM	WATSON	[illegible]			119	L	CM
02N	10W	01	2H	ARMOUR FERT CO	WATSON	11/00/1947			110	LC	CM
02N	10W	01	3A	ARMOUR	WATSON	00/00/1941			110	L	CM
02N	10W	02	3D	ICE FREE ICE	LAYNE WESTERN	04/10/197[illegible]			[illegible]	I	CM
02N	10W	06		ARMOUR	WATSON	00/00/1934			110	L	CM
02N	10W	06	2H	AM ZINC CO	WATSON	02/00/194[illegible]			107	I	CM
02N	10W	10	3B	NAT STOCK YD		00/00/196[illegible]			108	I	CM
02N	10W	11		MISSOURI ICE WATERTAR		04/00/1943			115	L	CM
02N	10W	12		NAT STOCK YD	LUHR	00/00/1961			110	G	CM
02N	10W	12		WALL ICE MACH	WATSON	07/00/1942			109	I	CM
02N	10W	12		SWIFT AND CO	LUHR	11/20/1956			106	L	CM
02N	10W	12	1H	SWIFT AND CO	LUHR	05/25/1966			111	LC	CM
02N	10W	12	2G	SWIFT AND CO	THORPE	06/00/1972			107	C	CM
02N	10W	12	2H	ARMOUR	WATSON	10/00/1942			110	C	CM
02N	10W	12	3G	SWIFT AND CO		00/00/1913			114	L	CM
02N	10W	12	3G	SWIFT AND CO	LAYNE WESTERN	03/12/1965			109	LIC	CM
02N	10W	12	3H	ARMOUR	WATSON	04/00/1939			116	L	CM
02N	10W	12	3H	ARMOUR	WATSON	04/00/1943			114	I	CM
02N	10W	12	3H	ARMOUR	LAYNE WEST	10/00/1942			100	L	CM
02N	10W	12	4E	CHICAGO CURLED HAIR	WATSON	00/00/1956			106	C	CM
02N	10W	12	4F	NAT STOCK YD	LAYNE WESTERN	03/15/1983			108	LC	CM
02N	10W	12	4G	ST L NAT STOCK YDS	LAYNE WESTERN	07/12/1982	M103931		108	L	CM
02N	10W	12	4H	EMPIRE CARBON WKS		00/00/1901			100	L	CM

St. Clair County - Private Well Database - Page 3

TWN	RNG	SC	PL	OWNER	DRILLER	DATE	PERMIT	DPTH	REC	US	Ty	CO
[redacted]			[redacted]	CITY ICE FUEL	WATSON	/ /1		106	LIC	CM		
[redacted]			[redacted]	SWIFT AND CO		00/00/1934		108	L	CM		
[redacted]			[redacted]	SWIFT AND CO		00/00/1937		108	LC	CM		
[redacted]			[redacted]	SWIFT AND CO		00/00/1938		108	LC	CM		
[redacted]			[redacted]	ROYAL PKG CO	LAYNE WESTERN	04/05/1976	M045371	97	LIC	CM		
[redacted]			[redacted]	SWIFT AND CO	THORPE	06/00/1943		108	L	CM		
[redacted]			[redacted]	ROYAL PKG CO	LUHR	03/29/1957		100	LIC	CM		
02N	10W	13		E ST LO CARBON PIPE CO		00/00/1905		80	L	CM		
02N	10W	13	5D	ST MARYS HOSPITAL		00/00/1943		108	C	CM		
02N	10W	13	6F	WALGREEN DRUG		00/00/1944		38	C	CM		
02N	10W	13	6G	KRESGE STORE		00/00/1939		110	C	CM		
02N	10W	13	8C	E SIDE LINE BAIT		00/00/1949		32	C	CM		
02N	10W	13	8C	E SIDE LINE BAIT		00/00/1949		39	C	CM		
02N	10W	14	5D	MERCHANT ICE FUEL		00/00/1901		106	I	CM		
02N	10W	22		MONSANTO CHEM	RANNEY	08/00/1952		92	I	IN		
02N	10W	22		MONSANTO CHEM	RANNEY	08/00/1952		97	I	IN		
02N	10W	22		MONSANTO CHEM	RANNEY	09/00/1952		90	L	VA		
02N	10W	23		AP GROLEFF	WATSON	08/00/1946		80	I	CM		
02N	10W	24	1E	CERTAIN TEED PROD		00/00/1943		106	C	CM		
02N	10W	24	1H	CERTAIN TEED PROD	WATSON	1[illegible]/00/1942		123	I	CM		
02N	10W	25		MOBIL OIL(PLANT CLOSED)	WATSON	00/00/1939		115	G	IN		
02N	10W	25		MOBIL OIL	WATSON	00/00/1940		110	G	IN		
02N	10W	25		MOBIL OIL	WATSON	00/00/1943		15	G	IN		
02N	10W	25		MOBIL OIL	WATSON	00/00/1945		9[illegible]	G	IN		
02N	10W	25		MOBIL OIL	WATSON	00/00/1951		100	G	IN		
02N	10W	25		MOBIL OIL		00/00/1987		109	G	IN		
02N	10W	25		MOBIL OIL		[illegible]		100	G	IN		
02N	10W	25		LEFTON IRON METAL COMPANY	ROBERTS	00/00/1989	A0	70	A	DU		
02N	10W	25		MONSANTO CHEM(TEMPORARY)	DARNATO	04/04/1991	M111[illegible]	[illegible]	LS		DU	
02N	10W	25		MONSANTO CHEM(TEMPORARY)	DARNATO	04/04/1991	M111[illegible]	[illegible]	LS		DU	
02N	10W	25		MONSANTO CHEM(TEMPORARY)	DARNATO	04/05/1991	M111[illegible]	[illegible]	LS		DU	
02N	10W	25		MONSANTO CHEM(TEMPORARY)	DARNATO	04/19/1991	M111[illegible]	[illegible]	LS		DU	

02N	10W	25		MONSANTO CHEM	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
02N	10W	25		MONSANTO CHEM	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
02N	10W	25		MONSANTO CHEM	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
02N	10W	25		MONSANTO CHEM	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
02N	10W	25		MONSANTO CHEM	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
02N	10W	25		MONSANTO CHEM	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
02N	10W	25		MONSANTO CHEM	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
02N	10W	25		MONSANTO CHEM	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
02N	10W	25		MONSANTO CHEM	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
02N	10W	25		TWI INC	ST CH DRILL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

St. Clair County Private Well Database Page 4

TWN	RNG	SC	FL	OWNER	DRILLER	DATE	PERMIT	DPTH	REC	US	Ty	GO
02N	10W	25		TWI INC	ST CH DRILL	12/17/1922	M105819	84	I	CM	[illegible]	[illegible]
02N	10W	25	5D	MOBIL OIL	LUHR	02/14/1961		107	LC	IN	[illegible]	[illegible]
02N	10W	25	5E	MOBIL OIL	LUHR	00/00/1959		114	C	IN	[illegible]	[illegible]
02N	10W	25	6A	MIDWEST RUBBER CO	THORPE	05/00/1951		110	L	CM	[illegible]	[illegible]
02N	10W	25	6E	SOCONY OIL	WATSON	00/00/1943		95	L	IN	[illegible]	[illegible]
02N	10W	25	7B	MONSANTO CHEM		00/00/1920		100	L	IN	[illegible]	[illegible]
02N	10W	25	7E	MOBIL OIL	THORPE	00/00/1951		106	LA	IN	[illegible]	[illegible]
02N	10W	25	7E	SOCONY MOBIL OIL	WATSON	00/00/1955		112	L	IN	[illegible]	[illegible]
02N	10W	25	7E	MOBIL OIL	LUHR	04/11/1957		113	L	IN	[illegible]	[illegible]
02N	10W	26		AM AG CHEM CO	WATSON	00/00/0000		102	L	IN	[illegible]	[illegible]
02N	10W	26		MIDWEST RUBBER CO	MORGAN	00/00/1950		114	L	CM	[illegible]	[illegible]
02N	10W	26		MIDWEST RUBBER CO	MORGAN	00/00/1950		106	L	CM	[illegible]	[illegible]
02N	10W	26		LEWIN MATHES	WATSON	02/00/1947		109	L	CM	[illegible]	[illegible]
02N	10W	26		MIDWEST RUBBER	WATSON	03/21/1960		113	L	CM	[illegible]	[illegible]
02N	10W	26		MIDWEST RUBBER CO	WATSON	10/07/1959		110	L	CM	[illegible]	[illegible]
02N	10W	26		MIDWEST RUBBER CO	THORPE	12/00/1946		111	L	CM	[illegible]	[illegible]
02N	10W	26	1E	STERLING STEEL CASTING		00/00/1942		95	LC	CM	[illegible]	[illegible]
02N	10W	26	1E	MONSANTO CHEM		00/00/1947		105	L	IN	[illegible]	
02N	10W	26	1G	MONSANTO CHEM-TEST	WATSON	00/00/1950		108	L	IN	[illegible]	[illegible]
02N	10W	26	1H	CWS PLANT US ARMY		00/00/1941		100	LC	CM	[illegible]	[illegible]
02N	10W	26	1H	CWS PLANT US ARMY		07/00/1941		105	L	CM	[illegible]	[illegible]
02N	10W	26	2D	STERLING STEEL CASTING		00/00/1973			C	CM	[illegible]	[illegible]
02N	10W	26	2E	MONSANTO CHEM	WATSON	00/00/1941		107	L	IN	[illegible]	[illegible]
02N	10W	26	2E	MONSANTO CHEM		00/00/1947		105	C	IN		[illegible]
02N	10W	26	2E	MONSANTO CHEM		03/00/1941		107	LC	IN	[illegible]	[illegible]
02N	10W	26	2H	AM ZINC CO-ABANDONED	WATSON	00/00/1943		107	LX	CM		[illegible]
02N	10W	26	3D	LEWIN MATHES		00/00/1938		95	C	CM	[illegible]	[illegible]
02N	10W	26	3D	LEWIN MATHES		00/00/1942		110	C	CM	[illegible]	[illegible]
02N	10W	26	3G	MONSANTO CHEM		01/00/1942		110	LL	IN	[illegible]	[illegible]
02N	10W	26	3G	MONSANTO CHEM		10/00/1939		107	LL	IN	[illegible]	[illegible]
02N	10W	26	3H	AM ZINC CO	WATSON	01/00/1942		105	LC	CM	[illegible]	[illegible]
02N	10W	26	4D	LEWIN MATHES	WATSON	06/00/1948		101	L	CM		
02N	10W	26	4E	MONSANTO CHEM		00/00/1947		109	C	IN	[illegible]	
02N	10W	26	4F	MONSANTO CHEM		10/00/1939		105	L	IN	[illegible]	[illegible]
02N	10W	26	4G	MONSANTO CHEM		02/00/1943		104	L	IN	[illegible]	[illegible]
02N	10W	26	5D	DARLING CO		00/00/1939		90	L	IN	[illegible]	[illegible]
02N	10W	26	5D	CERRO COPPER BRASS	LUHR	00/00/1970		111	CI	CM	[illegible]	[illegible]
02N	10W	26	6B	MIDWEST RUBBER CO	THORPE	03/00/1951		112	LC	CM		
02N	10W	26	8A	CLAYTON CHEM CO	ST CH DRILL	02/25/1983	M105608	[illegible]	I	CM	[illegible]	[illegible]
02N	10W	26	8A	CLAYTON CHEM CO	ST CH DRILL	04/12/1976	M045480	78	L	CM		[illegible]
02N	10W	26	8A	MIDWEST RUBBER	LUHR	09/06/1968	M[illegible]342	115	LC	CM	[illegible]	[illegible]
02N	10W	27		MONSANTO CHEM	ROBBEY	[illegible]	[illegible]	[illegible]	I	IN		[illegible]
02N	10W	27		MONSANTO CHEM	ROBBEY	08/01/1952		79	I	IN	[illegible]	[illegible]
02N	10W	27		MONSANTO CHEM	ROBBEY	08/26/1952		[illegible]	I	IN		
[illegible]	[illegible]	[illegible]	[illegible]	MONSANTO CHEM	LUHR	[illegible]		[illegible]	I	IN	[illegible]	[illegible]

02N 10W [illegible] 3H	MONSANTO CHEM	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
02N 10W [illegible] 6G	AP GROCERY	WATSON	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
02N 10W 33 1F	CARGILL [illegible]	WATSON	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
02N 10W 33 3F	MOBIL OIL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
02N 10W 34	US GOVT		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
02N 10W 34	PHILLIPS PETRO	WATSON	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
02N 10W 34 2F	PHILLIPS PETRO	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
02N 10W 34 2F	PHILLIPS PETRO	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
02N 10W 34 2G	PHILLIPS PETRO		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
02N 10W 34 5F	CORPS OF ENGINEERS		10/15/1947		[illegible]	[illegible]	[illegible]
02N 10W 35 5A	UP OIL AND READY CONCRETE	ST CH DRILL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Illinois State Water Survey FIPS Database Page 1

County: St. Clair

Township Code: 2N
Range Code: 9W
Section Codes: (All)

16 records were found for the specified locations.

Questions : Contact the Illinois State Water Survey
Ground Water Division [illegible]
Publication: Please cite the Illinois State Water Survey

Please Note:

The data in the PICS Database is a listing of municipal and large industrial and commercial wells which are known to the Illinois State Water Survey (ISWS). The information was initially entered from public water supply data and supplemented with the Illinois Water Inventory Project data. This database is updated as additional information is received and verified.

[illegible] Clair County PICS Database - Page 2

Sys ID	Name	No.	Status	Location	Depth	Type log	drilled	Driller
16338710	ROYAL PACKING CO OF ILL	2	U	16302N09W126H	100			
16338840	GENERAL CHEMICAL CORPORATION	1	U	16302N09W	80			
16338880	HARCROS PIGMENTS INC	15	I	16302N09W087A	117			
16338890	CHEMTECH FLUORIDE MFG DIV	12	I	16302N09W298F	20			
16338920	PERFORMANCE PRODUCTS, INC	1	D	16302N09W07	120			
16338920	PERFORMANCE PRODUCTS, INC	8	D	16302N09W076E	106			
16338920	PERFORMANCE PRODUCTS, INC	9	U	16302N09W076E	127			
16338945	FREEDOM CONCRETE	1	I	16302N09W151E	100		1987	
16339020	JOHN CORDER EQUIP CO	1	U	16302N09W				
16339020	JOHN CORDER EQUIP CO	2	U	16302N09W				
16339080	IDOT DIST 8-ESTL DEWTR COMPLEX	[illegible]	I	16302N09W				
16339080	IDOT DIST 8-ESTL DEWTR COMPLEX	111	I	16302N09W[illegible]				
16339080	IDOT DIST 8-ESTL DEWTR COMPLEX	[illegible]	I	16302N09W17				
16395050	MOUND PWD	1	E	16302N09W013F	[illegible]	[illegible]	[illegible]	LAYNE WESTERN CO
16395050	MOUND PWD	[illegible]	[illegible]	16302N09W013G	[illegible]	[illegible]	[illegible]	LAYNE-WESTERN CO
16395050	MOUND PWD	3	I	16302N09W014E	100	E	1984	LAYNE WESTERN CO

County: St. Clair

Township Code: 2N
Range Code: 10W
Section Code: (All)

43 records were found for the specified locations.

Questions : Contact the Illinois State Water Survey's
Ground Water Division @ (217)333-7123
Publication: Please cite the Illinois State Water Survey's
PICS (Public Industrial Commercial) Database
in all publications based wholly or partially
on this information.

Please Note:

The data in the PICS Database is a listing of municipal and large industrial and commercial wells which are known to the Illinois State Water Survey (ISWS). The information was initially entered from public water supply data and supplemented with the Illinois Water Inventory Project data. This database is updated as additional information is received and verified.

Sec. ID	Name	No.	Status	Location	Depth	Fire Ton	Drilled	Drilled
16338700	NATIONAL CITY STOCKYARDS CO	[illegible]	U	16302N10W12	112			
16338700	NATIONAL CITY STOCKYARDS CO	4	U	16302N10W12	112			
16338700	NATIONAL CITY STOCKYARDS CO	5	I	16302N10W12	112			
16338700	NATIONAL CITY STOCKYARDS CO		U	16302N10W121F	108			
16338700	NATIONAL CITY STOCKYARDS CO	6	I	16302N10W124G	108			
16338710	ROYAL PACKING CO OF ILL	1	U	16302N10W122E	100			
16338710	ROYAL PACKING CO OF ILL	4	U	16302N10W125G	97			
16338870	CERRO COPPER PRODUCTS	5	U	16302N10W265D	110			
16338870	CERRO COPPER PRODUCTS	6	U	16302N10W265D	111			
16338880	HARCROS PIGMENTS INC	10	A	16302N10W	65			
16338880	HARCROS PIGMENTS INC	12	I	16302N10W	70			
16338880	HARCROS PIGMENTS INC	14	I	16302N10W	130			
16338900	CIRCLE PACKING CORP.	1	U	16302N10W				
16338900	CIRCLE PACKING CORP.	2	U	16302N10W				
16338905	CLAYTON CHEMICAL CO.	1	U	16302N10W268A	90			
16338915	MOBIL OIL CO	1	I	16302N10W333F	96			
16338930	MONSANTO CHEMICAL CO	2	I	16302N10W25	68			
16338930	MONSANTO CHEMICAL CO	3	I	16302N10W25	68			
16338930	MONSANTO CHEMICAL CO	4	I	16302N10W25	68			
16338930	MONSANTO CHEMICAL CO	5	I	16302N10W25	68			
16338930	MONSANTO CHEMICAL CO	1	I	16302N10W25	67			
16338930	MONSANTO CHEMICAL CO	6	I	16302N10W25	68			
16338930	MONSANTO CHEMICAL CO	16	I	16302N10W25	68			
16338930	MONSANTO CHEMICAL CO	7	I	16302N10W25	68			
16338930	MONSANTO CHEMICAL CO	8	I	16302N10W25	68			
16338930	MONSANTO CHEMICAL CO	9	I	16302N10W25	68			
16338930	MONSANTO CHEMICAL CO	10	I	16302N10W25	68			
16338930	MONSANTO CHEMICAL CO	11	I	16302N10W25	68			
16338930	MONSANTO CHEMICAL CO	12	I	16302N10W25	68			
16338930	MONSANTO CHEMICAL CO	13	I	16302N10W25	68			
16338930	MONSANTO CHEMICAL CO	14	I	16302N10W25	68			
16338930	MONSANTO CHEMICAL CO	15	I	16302N10W25	68			
16338935	TWI INC	1	U	16302N10W25	89		1985	
16338950	MIDWEST RUBBER RECLAIMING	4	U	16302N10W26	110	D	1951	THORPE CONCRETE WELL
16338950	MIDWEST RUBBER RECLAIMING	8	U	16302N10W26	113	D	1930	H WATSON
16338950	MIDWEST RUBBER RECLAIMING	[illegible]	A	16302N10W267B	114	D	1937	THORPE CONCRETE WELL
16338950	MIDWEST RUBBER RECLAIMING	1	S	16302N10W267B	106	D	1928	THORPE CONCRETE WELL
16338950	MIDWEST RUBBER RECLAIMING	[illegible]	F	16302N10W267B	110	D	1950	H WATSON
16338950	MIDWEST RUBBER RECLAIMING	[illegible]	U	16302N10W267B	112	D	1951	THORPE CONCRETE WELL
16338950	MIDWEST RUBBER RECLAIMING	10	I	16302N10W268A	115	D	1968	LUNK BROS
16338950	MIDWEST RUBBER RECLAIMING	11	I	16302N10W268A	115	D	1968	LUNK BROS
16338970	STERLING STEEL CASTING CO	1	U	16302N10W	100			
16338970	STERLING STEEL CASTING CO	2	U	16302N10W	135			

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Job: [illegible]
Date: Tue Aug 18 13:45:[illegible] 1992
Illinois State Water Survey Private Well Database Page 1

County: St. Clair

Township Code: 1N
Range Code: 9W
Section Codes: 1, 2, 7

12 records were found for the specified locations.

Questions : Contact the Illinois State Water Survey [illegible]

Please Note:

The data in the Private Well Inventory Database is a listing of those non-municipal wells which are known to the Illinois State Water Survey (ISWS). This information has been entered verbatim from well logs submitted by the drillers, chemical analysis reports, well sealing forms, well inventory forms from the 1930-1934 well survey, and other special projects. The accuracy of this data is controlled by those who submitted the form. Information in the private well database has not been verified.

St. Clair County Private Well Database - Page 2

TWN	RNG	SC	PL	OWNER	DRILLER	DATE	PERMIT	DPTH	REC	US	TY	AQ
01N	09W	01				00/00/1909		50	C		DU	~~
01N	09W	01	2G	SPONEMAN A		00/00/1937		555	C	DO	~~	
01N	09W	02		SCHWINN F		00/00/1869		45	L		DU	~~
01N	09W	02		KROUPA L		00/00/1926		61	L		DU	~~
01N	09W	02	4H	STIRITZ W	ST CH DRILL	01/15/1976	M043981	365	L	DO	~~	~~
01N	09W	02	4H	STIRITZ W	ST CH DRILL	04/11/1984	M109530	405	L	DO	~~	~~
01N	09W	02	5D	FRANK T	DOHRMAN	05/21/1979	M085157	394	L	DO	~~	~~
01N	09W	02	6H	RIEDEL J	HANDRICH	07/08/1970	M009522	471	L	DO	~~	~~
01N	09W	02	7D	KEENEY C	DOHRMAN	11/21/1978	M081142	292	L	DO	~~	~~
01N	09W	02	8E	LANGHAN R	DOHRMAN	05/06/1983	M106914	398	L	DO	~~	~~
01N	09W	02	8F	STEINHARDT S	DOHRMAN	08/04/1986	M125430	394	L	DO	~~	~~
01N	09W	02	8F	CARLTON J	DOHRMAN	11/24/1978	M082455	2[illegible]	L	DO	~~	

County: St. Clair

Township Code: 1N
Range Code: 10W
Section Codes: 1, 2, 3

3 records were found for the specified locations.

Questions : Contact the Illinois State Water Survey's Ground Water Division @ (217)333-9043
Publication: Please cite the Illinois State Water Survey's Private Well Database in all publications based wholly or partially on this information.

Please Note:

The data in the Private Well Inventory Database is a listing of those non-municipal wells which are known to the Illinois State Water Survey (ISWS). This information has been entered verbatim from well logs submitted by the drillers, chemical analysis reports, well sealing forms, well inventory forms from the 1930-1934 well survey, and other special projects. The accuracy of this data is controlled by those who submitted the form. Information in the private well database has not been verified.

[illegible]

Questions : Contact the Illinois State Water Survey's Ground Water Division @ [illegible]

Publication: Please cite the Illinois State Water Survey's PICS (Public Industrial Commercial) Database in all publications based wholly or partially on this information.

Please Note:

The data in the PICS Database is a listing of municipal and large industrial and commercial wells which are known to the Illinois State Water Survey (ISWS). The information was initially entered from public water supply data and supplemented with the Illinois Water Inventory Project data. This database is updated as additional information is received and verified.

Illinois State Water Survey PICS Database Page 1

County: St. Clair

Township Code: 1N
Range Code: 10W
Section Codes: 1, 2, 3

0 records were found for the specified locations.

Questions : Contact the Illinois State Water Survey's Ground Water Division @ (217)333-7223

Publication: Please cite the Illinois State Water Survey's PICS (Public Industrial Commercial) Database in all publications based wholly or partially on this information.

Please Note:

White Copy
Ill. Dept. Public Health
Yellow Copy — Well Contractor
Blue Copy — Well Owner

INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, ROOM 616, STATE OFFICE BUILDING, SPRINGFIELD, ILLINOIS, 62706. DO NOT DETACH GEOLOGICAL / WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug ____. Bored X. Hole Diam. 24 in. Depth 93 ft.
   Curb material ____. Buried Slab: Yes ____ No ____
   b. Driven ____. Drive Pipe Diam. ____ in. Depth ____ ft.
   c. Drilled X. Finished in Drift X. In Rock ____.
   Tubular ____. Gravel Packed X.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)
Concrete	0	12

2. Distance to Nearest:
   Building 100 Ft. Seepage Tile Field ____
   Cess Pool ____ Sewer (non Cast Iron) ____
   Privy ____ Sewer (Cast Iron) ____
   Septic Tank ____ Barnyard ____
   Leaching Pit ____ Manure Pile ____
3. Is water from this well to be used for human consumption?
   Yes ____ No X
4. Date well completed 4/7/76
5. Permanent Pump Installed? Yes X No ____
   Manufacturer LAYNE & Bowler Type Vertical Turbine
   Capacity 350 gpm. Depth of setting 60 ft.
6. Well Top Sealed? Yes X No ____
7. Pitless Adaptor Installed? Yes ____ No X
8. Well Disinfected? Yes X No ____
9. Water Sample Submitted? Yes ____ No X

REMARKS:

IDPH 4.065
10/68

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Royal Packing Co. Well No. #4
    Address NATIONAL CITY, Illinois
    Driller LAYNE-Westbrook License No. 102-204
11. Permit No. 45371 Date 5/17/76
12. Water from Alluvial (Formation) at depth 69 to 94 ft.
13. County St Clair
    Sec. 12
    Twp. 2N
    Rge. 10W
    Elev. ____
14. Screen: Diam. 12 in.
    Length: 25 ft. Slot 6
15. Casing and Liner Pipe

Diam. (In.)	Kind and Weight	From (Ft.)	To (Ft.)
12	Steel 1/8 thick	+2	69

SHOW LOCATION IN SECTION PLAT
[illegible]

16. Size Hole below casing: — in.
17. Static level 17 ft. below casing top which is 1' ft. above ground level. Pumping level 22.45 ft. when pumping at 5.24 gpm for 3 1/4 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Clay	3'	3'
Sand	2	5
Clay	7	12
Fine Sand, some clay	12	24
Blue Sandy clay	6	30
Coarse Sand & Gravel	10	40
Med Sand w/Gravel & clay lens	35	75
Gravel Boulders	22	97

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED [signature] DATE 4/28/76

445,170

WELL NO. 16

Material Drilled	Screen and Riser	Test Pumping
Fill		
Blue Muck		
18'		
Fine Silty Sand		
Fine Sand		
Med. Coarse		
Med. Fine		Static Level
Med. Sand		
63'		1020 GPM Pumping Levels
Med. Coarse		1400 GPM
74		
Coarse Sand		
81 First Cobbles		
Occ. Cobbles		
Heavy Cobbles		
with Coarse SAND		
112'		

Earth Backfill

GRAVEL PACK

Name Socony Mobil Oil Co.

Location 20th & I.C. R.R. Tracks East St. Louis, Illinois

Date August 7, 1956

Well Depth 112'

Casing Size 16"

Length Screen 38.2'

Length - Riser 76.7'

TOTAL 114.9'

Above Grade - 2.9', approximately

PUMP TEST — Top of Casing 2.9' above grade

Water Level Start 49.7' Stop

Draw Down First 14.2' Last

Gallons Per Minute First 1,020 Last 1,400 appro.

Sand Test O.K.

Water Condition

DRILLER: M. Frank - Foreman - Linker

N. of solution unit #1.

City E. St. Louis County St. Clair

Section 35.6 ea. Twp. No. 5 N. Range 10 W

Location (in feet from section corner) [illegible]

Owner [illegible] Authority

Contractor Luke Bros Address

Date drilled 1956 Elev. above sea level top of well

Depth 115'

Log

Were drill cuttings saved Where filed

Size hole If reduced, where and how much

Casing record 16"

Distance to water when not pumping Distance to water is

feet after pumping at G. P. M. for hours.

Reference point for above measurements

Type of pump Distance to cylinder

Length of cylinder Length of suction pipe below cylinder

Length stroke Speed

Hours used per day Type of power

Rating of motor Rating of pump in G. P. M.

Can following be measured: (1) Static water level

(2) Pumping level (3) Discharge

(4) Influence on other wells

Temperature of water Was water sample collected

Date Effect of water on meters, hot water coils, etc.

Date of Analysis Analysis No.

Recorder

Date

2807-22617 12

City Ice and Fuel - Banner Ice- 13th St.

Drilled by H. L. Watson (Oscar Waly) May 1946

Formations passed through	Thickness	Depth of bottom
Mud	37	37
Sand and gravel	19	56
Mud	1	57
Fine sand	33	90
Mud, rocky and fine sand	2	92
Coarse sand and gravel	5	97
Pink sand	3	100
Pink fine sand and rocks	5	105
Coarse pink sand and gravel	5	110
Med. " " " "	6	116 TD

Near bedrock

Static level from surf. approx. 36'

Slot 20

Diam. 12

Length 17' 5"

STC 2N 9W-18.5h1

Elevation 415
37
378

415
116
2

16

White Copy – Ill. Dept. of Public Health
Yellow Copy – Well Contractor
Blue Copy – Well Owner

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug ____. Bored ____. Hole Diam. 12' in. Depth 96 ft.
   Curb material ____. Buried Slab: Yes ____ No ____
   b. Driven ____. Drive Pipe Diam. ____ in. Depth ____ ft.
   c. Drilled ____. Finished in Drift ____. In Rock ____.
   Tubular ____. Gravel Packed X.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)
Concrete	0-4	-20

2. Distance to Nearest:
   Building ____ Ft. Seepage Tile Field ____
   Cess Pool ____ Sewer (non Cast iron) ____
   Privy ____ Sewer (Cast iron) ____
   Septic Tank ____ Barnyard ____
   Leaching Pit ____ Manure Pile ____
3. Well furnishes water for human consumption? Yes ____ No X
4. Date well completed 2/17/84
5. Permanent Pump Installed? Yes ✓ Date 2/23/84 No ____
   Manufacturer Webtrol Type Sub Location ____
   Capacity 10 gpm. Depth of Setting 64 Ft.
6. Well Top Sealed? Yes ✓ No ____ Type Pitless Adapter
7. Pitless Adapter Installed? Yes ✓ No ____
   Manufacturer Webtrol Model Number S-50
   How attached to casing? ____
8. Well Disinfected? Yes ✓ No ____
9. Pump and Equipment Disinfected? Yes ✓ No ____
10. Pressure Tank Size 42 gal. Type TANK-E-Liminator
    Location in well
11. Water Sample Submitted? Yes ____ No X

REMARKS:

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Mobil Oil Co. Well No. 1
    Address Sauget, Ill
    Driller J.T. Rvester License No. 102-[illegible]
11. Permit No. 111171 Date 2-17-84
12. Water from Alluvial (Formation) 13. County St. Clair
    at depth ____ to ____ ft.
    Sec. 33 [illegible]
    Twp. 2N
    Rge. 10W
    Elev. ____
14. Screen: Diam. 6 in.
    Length: 10' ft. Slot #6

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
6	86'	-86	0

SHOW LOCATION IN SECTION PLAT

16. Size Hole below casing: 12 in.
17. Static level 25 ft. below casing top which is 0 ft. above ground level. Pumping level 34 ft. when pumping at 20 gpm for 1 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
0-5 gravel & gray Br. fill	5'	[illegible]
30 gray clay w/ fine sand	25'	[illegible]
50 gray fine sand	20	[illegible]
60 gray fine to med. sand	10	60
75 gray fine sand	15	75
96 grey med coarse sand w boulders	24	96

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED [signature] DATE 2/20/84

IDPH 4.065
1/74 – KNB-1

Date Drilled SEPT. 22, 1959

Water Well No.

Test Hole No. 8

Depth Level 46.4' TOP OF CASING

Depth of Drilled Hole 106.9'

Bottom of Screen set at 105

Well Casing:
- Material WOOD
- Diameter 8" I.D.
- Slot size 3/16" X 3"

Gravel Filter:
- Tons used 14
- Wall Thickness 5"

Owner SOCONY MOBIL OIL CO.

Address E. ST. LOUIS, ILL.

5.28th & ATSF RR. TRACK

Location of Well NORTH TANK FARM

Size of Drilled Hole 21"

Final Casing elevation above grade 2'

Length CASING 54.1' SCREEN 52.9'

Wall Thickness 1 1/8"

Type NATIONAL TANK

Feet above screen TO GRADE

Gradation US CORPS OF ENG FORMULA PLUS 1/4 - 5/8" GRAVEL

LOG OF STRATA

Depth From	Depth To	DESCRIPTION
0	7	CLAY FILL
7	24	FINE SAND
25	37	FINE TO MEDIUM-GRAY
38	41	MED. TO COARSE
42	55	FINE
56	57	MED. TO COARSE
58	60	do. do
61	64	do do
	65	MED. (TANK)
66	73	MED. TO COARSE
74	75	VERY COARSE
75	80	do do
81	84	COARSE TO MED. W/ COBBLES
	84	do do (TANK)
85	89	MED. TO FINE W/GRAVEL
	90	do do do (TANK)
	95	MED. W/GRAVEL (TANK)
96	103.5	FINE W/GRAVEL AT 103.5 (TANK 102)
	104	FINE TO COARSE W/GRAVEL (TANK) W/COBBLES
105	106.9	COARSE TO HEAVY GRAVEL W/COBBLES

REMARKS: Unable to go beyond 106.9' because of heavy cobbles

Supt. [illegible]

Driller [illegible]

LUHR BROS., INC.

COLUMBIA, ILLINOIS

Date Drilled: SEPT 29 1959

Water Well No.: 11 TEST WELL

Test Hole No.:

Static Level:

Depth of Drilled Hole: 1.53 [illegible]

Size of Drilled Hole: 2"

Bottom of Screen set at: 114.1

Final Casing Elevation above grade: 1.5'

Well Casing:

Material: WOOD

Diameter: 8" I.D.

Slot size: 3/16" X 3"

Length: [illegible]

Wall Thickness: [illegible]

Type: NATIONAL [illegible]

Gravel Filter:

Tons used: 14

Wall Thickness: 5"

Feet above screen: [illegible]

Gradation: [illegible] PLUS 1/7 - 3/8" [illegible]

LOG OF STRATA

Depth From	Depth To	DESCRIPTION
1	10	MIXTURE OF CLAY - FILL - SILT - FLY ASH
10	15	FINE GRAY SILT
15	20	VERY FINE GRAY SAND
20	25	FINE GRAY SAND
25	35	FINE TO MED GRAY SAND
40	45	do do do
	45	MED. GRAY SAND
50	55	MED TO FINE GRAY SAND
	55	MED TO COARSE
60	61	FINE TO MED ✓
	65	MED TO FINE
70	73	do do
	76	MED
	80	COARSE
	87	VERY COARSE [illegible]
90	95	MED TO COARSE [illegible]
	95	FINE TO MED
99	100	MED TO COARSE W/ [illegible]
99		[illegible]

[illegible] LIMESTONE & CLAY NODULES - 85' - 100'

WELL DRILLING RECORD

[illegible] Owner [illegible] Co.

[illegible] Address [illegible]

[illegible]

Static Level [illegible] Location of Well [illegible]

Depth of Drill [illegible] Size of Drilled Hole [illegible]

Bottom of Screen set at [illegible] Final Casing elevation above grade 2.7'

Well Casing:

Material Wood

Diameter 8" I.D.

Slot size [illegible] X 8

Length Casing 64.15' Screen 51.0'

Wall Thickness 1½"

Type National Tank Co.

Gravel Filter:

Tons used 8

Wall Thickness [illegible]

Feet above screen To Ground Level

Gradation US Corps of Eng. Mix W/½ Coarse Gravel

LOG OF STRATA

Depth From	Depth To	DESCRIPTION
0	5	FILL - CLAY - GRAVEL
5	33	SILT AND SANDY SILT
33	40	MEDIUM-GRAY SAND
40	45	FINE SAND - GRAY
45	50	MED - SAND - do
50	52	COARSE do do TRACE OF CLAY
52	56	VERY COARSE do W/½"-1" GRAVEL
56	58	MED. do do
58	62	COARSE do do
62	63	VERY COARSE do do
63	72	COARSE AND VERY COARSE
72.5	79	COARSE TO MED.
79	79.5	FINE TO MED. W/COBBLES
79.5	80	FINE
80	82	FINE TO MED.
82	83	MED. COARSE W/GRAVEL
83.5	89.5	VERY COARSE W/GRAVEL & LIGNITE W/COBBLES AT 88'
90	98	COARSE TO MED.
99	100	VERY FINE
100	102.5	FINE W/GRAVEL W/COBBLES AT 102'
102.5	104	COARSE W/GRAVEL
104	113	COARSE W/GRAVEL W/COBBLES

REMARKS: 51/62'

133/80

Supt. [illegible] LINKER

LUHR BROS., INC.

SOCONY VACUUM OIL CO., INC.
RECEIVED
OCT 15 1959
ENGINEERING DIVISION

[illegible] 25 1959

Socony Mobil Oil Co.

[illegible]

[illegible]

[illegible]

[illegible] Size of Drilled Hole 2

[illegible] Screen set at [illegible]

Final [illegible] above grade [illegible]

Well Casing:

Material WOOD

Diameter 10 I.D.

Slot size 3/16" x 3"

Gravel Filter:

Tons used 14

Wall Thickness 5"

Length Screen 34.5' Casing 31.0'

Wall Thickness 1 1/8"

Type National Tank & Pipe Co.

Feet above screen To [illegible]

Gradation US Corps of Eng. Plus 1/2 - 5/8" [illegible]

LOG OF STRATA

Depth From	Depth To	DESCRIPTION
[illegible]	[illegible]	GRAVEL FILL - GUMBO
[illegible]	32	DARK SILT
	33	FINE GRAY SAND
33	36	DARK FINE SILT
	43	MED FINE
	47	FINE SAND
[illegible]	55	DARK GRAY SILTY SAND
[illegible]	57	FINE
[illegible]	74	MED. FINE
	74.5	VERY COARSE W/PEA GRAVEL - LIGNITE
	80	VERY COARSE COBBLES 1' DEEP
	85	do do
	87	do do
[illegible]	90	MED COARSE W/COBBLES 89-91
92	95	FINE
[illegible]	99	VERY FINE
[illegible]	100	VERY FINE COBBLES AT 100.5'
[illegible]	102	COARSE W/COBBLES
	103	do do
	104	do
[illegible]	114	COARSE SAND & GRAVEL

[illegible] FROM BOTTOM: 11.4' SCREEN - 11.4' CASING 2.3.1' SCREEN BALANCE CASING

Brent Manning
Director

John W. Comerio
Deputy Director

Bruce F. Clay
Assistant Director

Illinois Department of Conservation
life and land together

LINCOLN TOWER PLAZA • 524 SOUTH SECOND STREET • SPRINGFIELD 62701-1787
CHICAGO OFFICE • ROOM 4-300 • 100 WEST RANDOLPH 60601

August 13, 1992

Ms. Jennifer Saul
RPMS/IEPA
P.O. Box 19276
Springfield, IL 62794-9276

Re: ILD #1630450056

Dear Ms. Saul:

The Department has reviewed the proposed CERCLIS project in E. St. Louis, St. Clair County Illinois which you transmitted to us on August 10, 1992.

There are no sensitive resources (form attached) on site, in the 0 - ¼, ¼ - ½ or the ½ - 1 mile radius of the site or along the 15 mile waterpath you identified.

Thank you for the opportunity to comment.

Sincerely,

Richard W. Lutz

Richard W. Lutz
Acting Supervisor
Division of Impact Analysis

RWL:ts

Att: sensitive areas form

DEPARTMENT OF CONSERVATION IDENTIFICATION OF ENVIRONMENTAL SENSITIVE AREAS

ILD# 1630950056

—— = None in Area

SENSITIVE ENVIRONMENTS	TARGET DISTANCE CATEGORIES			
	On-site	0-1/4 mile	1/4-1/2 mile	stream milage
I. Critical habitat for Federally designated or proposed endangered or threatened species	—	—	—	—
II. Habitat known to be used by Federally designated or proposed endangered or threatened species	—	—	—	—
III. State wildlife refuge	—	—	—	—
IV. Spawning areas critical for the maintenance of fish/shellfish species within a river system	—	—	—	—
V. Terrestrial areas utilized by large or dense aggregations of verbebrate animals for breeding	—	—	—	—
VI. Habitat known to be used by State designated or threatened species	—	—	—	—
VII. Habitat known to be used by a species under review as to its Federal endangered or threatened status	—	—	—	—
VIII. State lands designated for wildlife or game management	—	—	—	—
IX. State designated natural area	—	—	—	—
X. Particular areas, relatively small in size, important to the maintenance of unique biotic communities	—	—	—	—

If any of the sensitive areas identified above exist within the designated target distance limits, please put an asterisk (*) in the appropriate column.

INSURANCE MAPS OF

EAST ST. LOUIS

ILLINOIS

VOLUME ONE

PUBLISHED BY THE Sanborn Map Company

NEW YORK

REPUBLISHED 1955

[1956] [1955]

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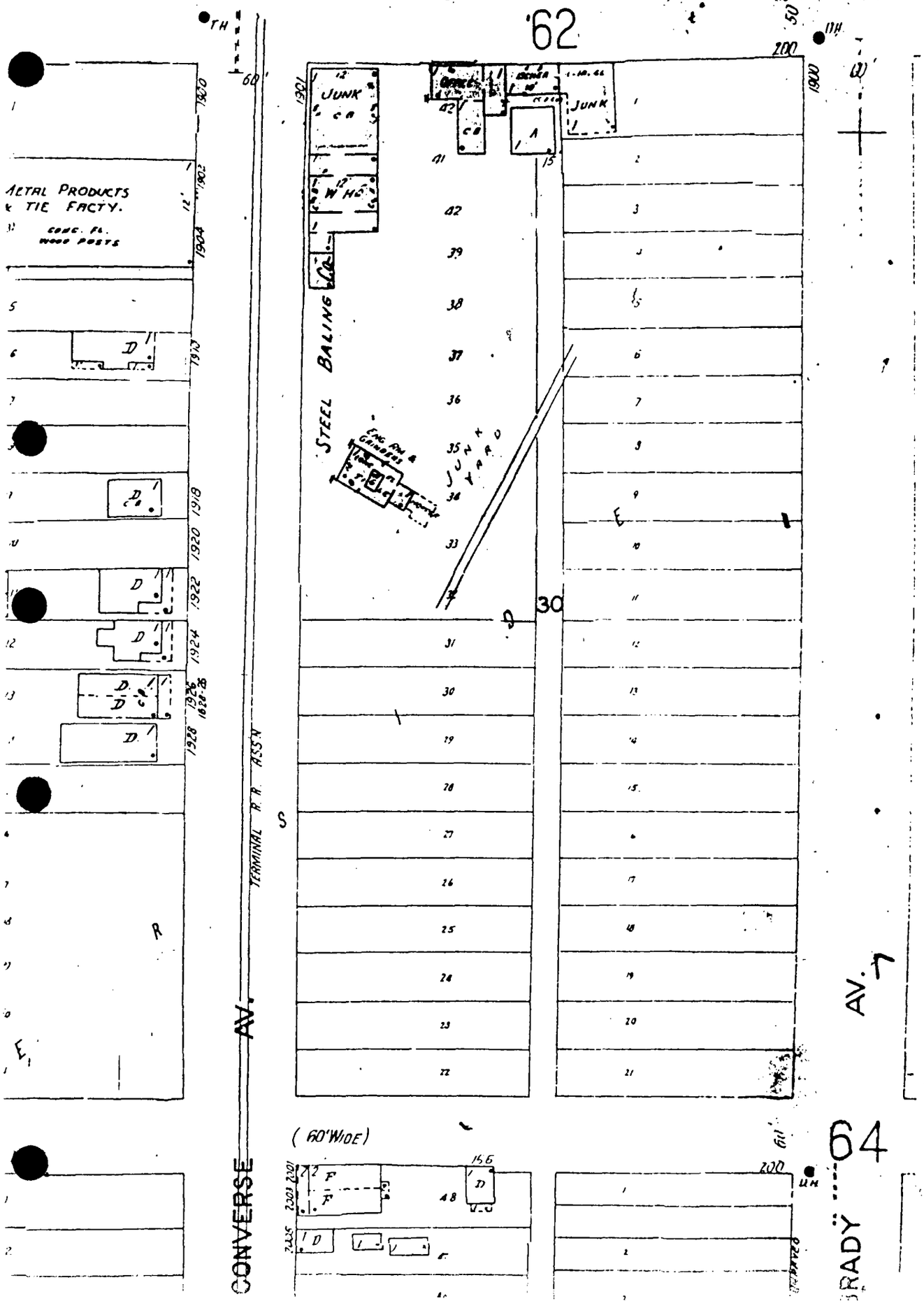
JAN 27 1956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JUNK YARD
METAL PRODUCTS & TIE FACTY.
CONC. FL. WOOD POSTS
TERMINAL R.R. ASS'N
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2079

FIRM
FLOOD INSURANCE RATE MAP

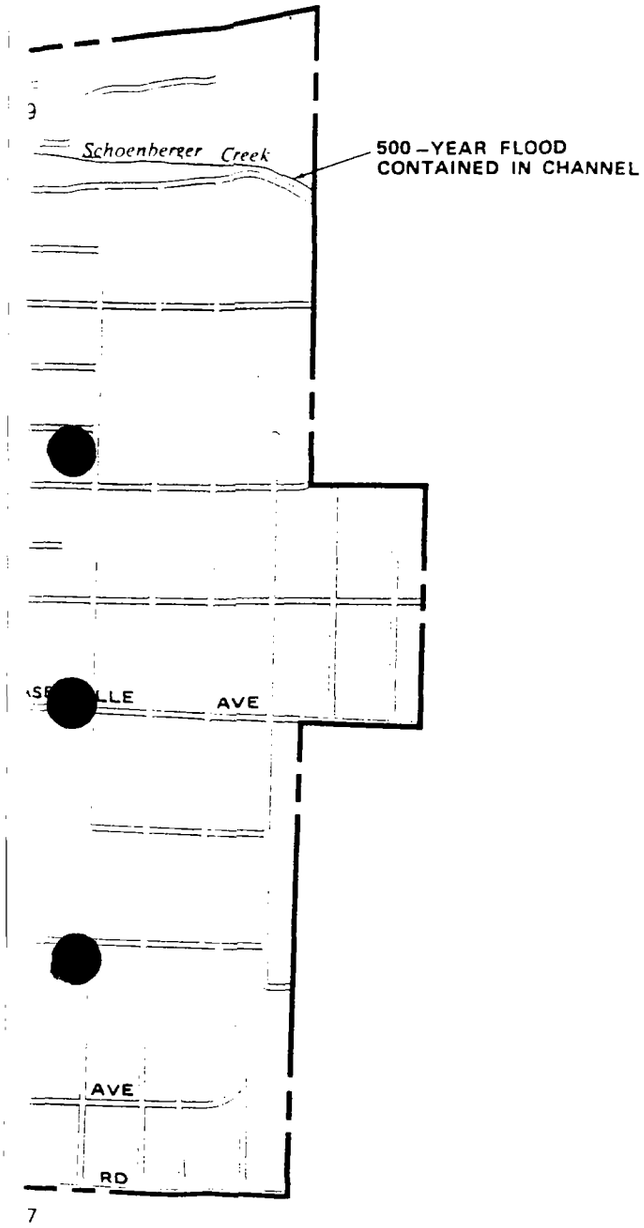
CITY OF
EAST ST. LOUIS, ILLINOIS
ST. CLAIR COUNTY

PANEL 5 OF 10

COMMUNITY-PANEL NUMBER
170626 0005 B

EFFECTIVE DATE:
NOVEMBER 1, 1979

U.S. DEPARTMENT OF HOUSING
AND URBAN DEVELOPMENT
FEDERAL INSURANCE ADMINISTRATION



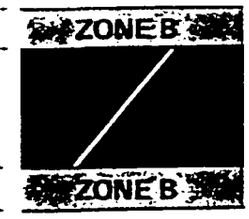
500-Year Flood Boundary

100-Year Flood Boundary

Zone Designations* With Date of Identification e.g., 12/2/74

100-Year Flood Boundary

500-Year Flood Boundary



Base Flood Elevation Line With Elevation In Feet** — 513

Base Flood Elevation in Feet Where Uniform Within Zone** (EL 987)

Elevation Reference Mark RM7 ×

River Mile • M1.5

**Referenced to the National Geodetic Vertical Datum of 1929

*EXPLANATION OF ZONE DESIGNATIONS

ZONE	EXPLANATION
A	Areas of 100-year flood; base flood elevations and flood hazard factors not determined.
A0	Areas of 100-year shallow flooding where depths are between one (1) and three (3) feet; average depths of inundation are shown, but no flood hazard factors are determined.
AH	Areas of 100-year shallow flooding where depths are between one (1) and three (3) feet; base flood elevations are shown, but no flood hazard factors are determined.
A1-A30	Areas of 100-year flood; base flood elevations and flood hazard factors determined.
A99	Areas of 100-year flood to be protected by flood protection system under construction; base flood elevations and flood hazard factors not determined.
B	Areas between limits of the 100-year flood and 500-year flood; or certain areas subject to 100-year flooding with average depths less than one (1) foot or where the contributing drainage area is less than one square mile; or areas protected by levees from the base flood. (Medium shading)
C	Areas of minimal flooding. (No shading)
D	Areas of undetermined, but possible, flood hazards.
V	Areas of 100-year coastal flood with velocity (wave action); base flood elevations and flood hazard factors not determined.
V1-V30	Areas of 100-year coastal flood with velocity (wave action); base flood elevations and flood hazard factors determined.

NOTES TO USER

Certain areas not in the special flopd hazard areas (zones A and V) may be protected by flood control structures.

This map is for flood insurance purposes only; it does not necessarily show all areas subject to flooding in the community or all planimetric features outside special flood hazard areas.

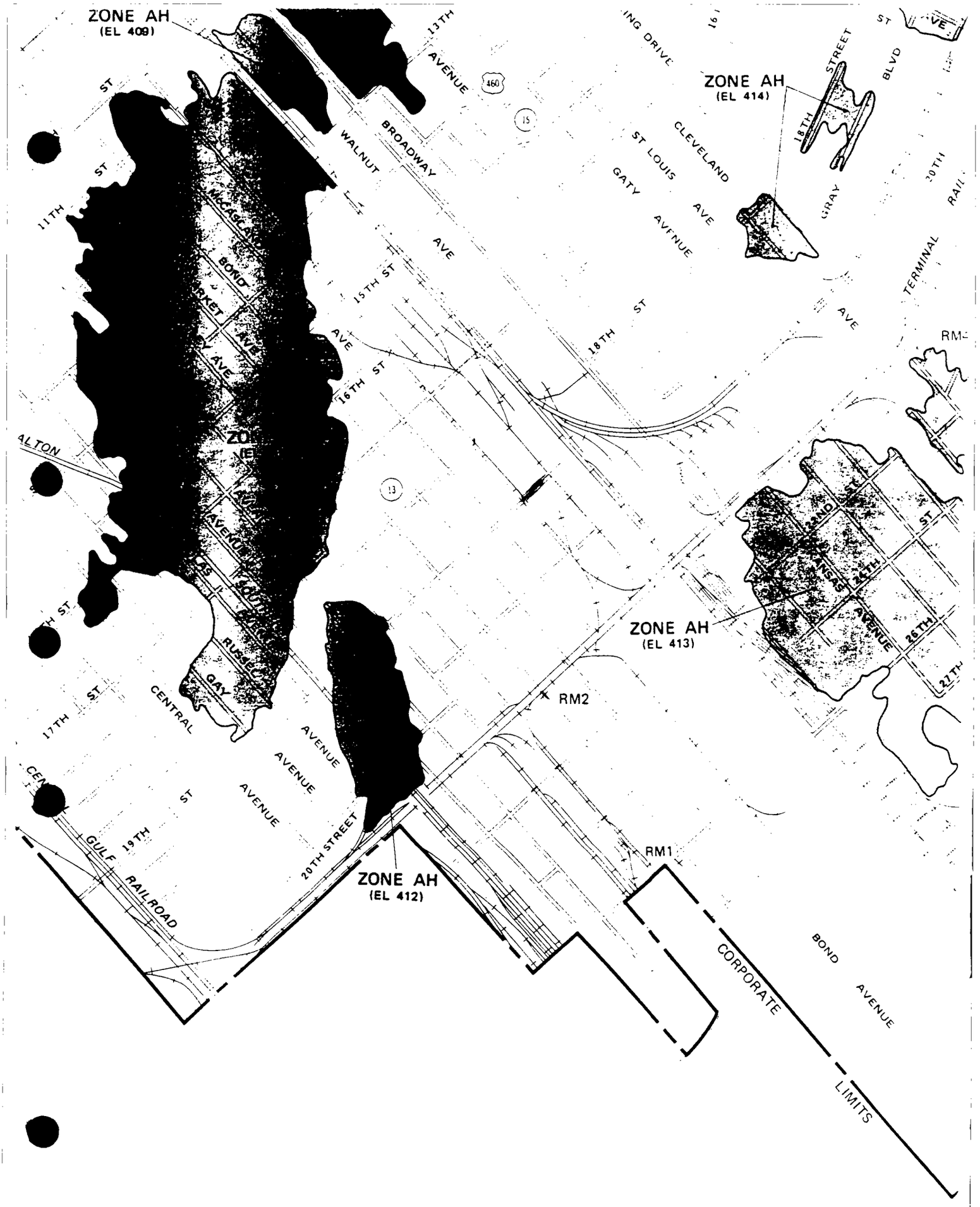
For adjoining map panels, see separately printed Index To Map Panels.

INITIAL IDENTIFICATION:

NOVEMBER 16, 1973

FLOOD HAZARD BOUNDARY MAP REVISIONS:

JUNE 25, 1976


ZONE AH
(EL 409)
ZONE AH
(EL 414)
ZONE AH
(EL 413)
ZONE AH
(EL 412)
RM1
RM2
13TH
AVENUE
460
15
WALNUT
BROADWAY
AVE
CLEVELAND
ST LOUIS
GATY
AVENUE
AVE
18TH
STREET
BLVD
GRAY
TERMINAL
11TH
ST
15TH ST
16TH ST
18TH ST
AVE
ALTON
13
RUSSELL
GAY
CENTRAL
AVENUE
17TH ST
19TH ST
20TH STREET
GULF
RAILROAD
CORPORATE
LIMITS
BOND
AVENUE
24TH
26TH
27TH