INSPECTION REPORT
FOR
BRIGGS (LAWNDALE INDUSTRIES)
AURORA, ILLINOIS
ILD021440367
R05-8303-0IF

JUNE 27, 1986

EPA Region 5 Records Ctr.
296405

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

MEMORANDUM

DATE: June 27, 1986
TO: File
FROM: David Curnock DC
SUBJECT: Illinois/R05-8303-0IF/IL0294
Aurora/Briggs (Lawndale Industries)
ILD021440367

The Briggs (Lawndale Industries) site is located in Aurora, Illinois. The plant was in operation prior to World War II as a porcelain enameling facility for sinks and lavatories. These operations ceased in 1980, and the site is now used for warehousing and manufacturing of building components.

At one time, there was an alleged landfill operation onsite. The waste types and quantities along with the exact location and operation dates are unknown.

This site was identified by the Illinois EPA in the form of a Preliminary Assessment submitted to the USEPA.

On May 29, 1986, Ecology and Environment/FIT personnel performed an onsite inspection of the Briggs (Laundale Industries) facility. A representative of the current operator, Fulton Architectural Components, and a representative from Briggs, a past owner/operator were interviewed. A visual inspection of the site was conducted and photographs were also taken. No samples were collected.

recycled paper

The entire site covers 3.82 acres. The majority of the property is paved or covered by buildings. There is one large structure that is made up of several smaller buildings through expansion over the years. The site was originally a wooden barrel manufacturing facility operated before 1900. At sometime prior to World War II, the facility was converted to a porcelain enameling operation. Lawndale Industries operated at this facility until they were purchased by the Briggs Company, a division of Celotex. When Briggs closed the plant in 1981, they removed some process equipment and cleaned up the processing area. The site has not been used for porcelain enameling operations since that time.

The types of waste generated by porcelain enameling operations consist of sulfuric acid solutions, nickel sulfate wastes, enameling sludge and frit waste residues. Frit is a term used for the additives used to give the enamel its different colors. These materials may contain heavy metals. The IEPA conducted an inspection of the facility in 1981 and determined that the waste materials were either non-hazardous or exempt from RCRA regulation.

The Briggs Company filed a 103c notification of a potential hazardous waste site for a landfill operation on the property from 1950-1956. The waste types listed were acids, bases, heavy metals and porcelain enamal. The quantity listed was 55 gallons. Briggs did not own or operate the facility at the time of the alleged landfilling. The area that could have been filled is in the northeast corner of the property. The rest of the property is paved or covered by buildings. This area could have been disturbed. It is now covered with weeds and shrubs and is only used for scrap storage. (See site photo). No documentation other than the 103c notification exist to support the occurrence of the landfill.

The potential effects of a landfill of this nature would be on groundwater. The municipal systems of Aurora, North Aurora and

Montgomery along with all private residences utilize groundwater for drinking purposes. The public water systems draw from deep bedrock aquifers. Potential for contamination is low due to the depth of these aquifers. The upper bedrock which is utilized by private residences is under pressure. Most of these wells show a static water level above ground surface. This also lessens the potential for contamination of the bedrock aquifers.

Soils were sampled by Briggs in previous years. Boring samples analyzed by Arro Laboratories indicated that there was no soil contamination at those sample locations. (See Attachment 1).

The site is surrounded by light industry to the west and residential area to the east. All properties in the vicinity are supplied with city services. The facility is fenced and gates are locked after hours. The area of the suspected landfill is not fenced.

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

EPA

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IL	D021440367

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER
Briggs (Lawndale Industries)	821 N RUSSEL ST.

03 CITY	04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE	08 CONG DIST
AURORA	IL	60507	KANE	89	4

09 COORDINATES LATITUDE	LONGITUDE	10 TYPE OF OWNERSHIP (Check one)
41 45 ___.___	88 18 ___.___	■ A. PRIVATE ☐ B. FEDERAL ☐ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL ☐ F. OTHER ☐ G. UNKNOWN

III. INSPECTION INFORMATION

01 DATE OF INSPECTION	02 SITE STATUS	03 YEARS OF OPERATION
5 29 86 (MONTH DAY YEAR)	■ ACTIVE ☐ INACTIVE	— / Present (BEGINNING YEAR / ENDING YEAR) X UNKNOWN

04 AGENCY PERFORMING INSPECTION (Check all that apply)

☐ A. EPA ■ B. EPA CONTRACTOR Ecology + Environment (Name of firm) ☐ C. MUNICIPAL ☐ D. MUNICIPAL CONTRACTOR ____ (Name of firm)
☐ E. STATE ☐ F. STATE CONTRACTOR ____ (Name of firm) ☐ G. OTHER ____ (Specify)

05 CHIEF INSPECTOR	06 TITLE	07 ORGANIZATION	08 TELEPHONE NO
Cynthia Pugh	Environmental Scientist	E+E	(312) 663-9415
09 OTHER INSPECTORS	**10 TITLE**	**11 ORGANIZATION**	**12 TELEPHONE NO.**
David Curnock	Biologist / Agronomist	E+E	(312) 663-9415
			( )
			( )
			( )
			( )

13 SITE REPRESENTATIVES INTERVIEWED	14 TITLE	15 ADDRESS	16 TELEPHONE NO
LECIL COLBURN	Corp. Env. Control	JIM WALTER CO P.O BOX 22601, TAMPA, FL 33622	(813) 576-4171
JOE BRULL	V.P.	FULTON ARCHITECHTURAL PRODUCTS/BLDG CORP. 821 N. RUSSEL, AURORA	(312) 859-0622
			( )
			( )
			( )
			( )

17 ACCESS GAINED BY (Check one)	18 TIME OF INSPECTION	19 WEATHER CONDITIONS
■ PERMISSION ☐ WARRANT	13:30	70°F, partly cloudy, slight breeze 0-5 mph

IV. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency Organization)	03 TELEPHONE NO.
Brad Benning	ILLINOIS EPA - DLPC	(312) 345-9780

04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NO.	08 DATE
David Curnock	—	E+E/FIT	(312) 663-9415	6 17 86 (MONTH DAY YEAR)

EPA FORM 2070-13 (7-81)

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IL	D021410367

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

- [x] A. SOLID
- [ ] B. POWDER, FINES
- [x] C. SLUDGE
- [x] D. OTHER UNKNOWN (Specify)
- [ ] E. SLURRY
- [x] F. LIQUID
- [ ] G. GAS

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

TONS UNKNOWN

CUBIC YARDS

NO. OF DRUMS

03 WASTE CHARACTERISTICS (Check all that apply)

- [x] A. TOXIC
- [x] B. CORROSIVE
- [ ] C. RADIOACTIVE
- [x] D. PERSISTENT
- [ ] E. SOLUBLE
- [ ] F. INFECTIOUS
- [ ] G. FLAMMABLE
- [ ] H. IGNITABLE
- [ ] I. HIGHLY VOLATILE
- [ ] J. EXPLOSIVE
- [ ] K. REACTIVE
- [ ] L. INCOMPATIBLE
- [ ] M. NOT APPLICABLE

III. WASTE TYPE *

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE	ENAMALING SLUDGE	(PAINTING	UNKNOWN AMOUNTS SLUDGE)
OLW	OILY WASTE			
SOL	SOLVENTS			
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			
IOC	INORGANIC CHEMICALS	FRIT WASTE RESIDUE		(MATERIALS USED FOR COLORING)
ACD	ACIDS	Sulfuric Acid Solutions		
BAS	BASES			
MES	HEAVY METALS			

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

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

* Site was an enamaling operation for steel sinks and lavatories. Waste materials generated in later years of operation were:

Enameling sludge
Frit waste Residue (may contain heavy metals)
Sulfuric Acid Solutions
Nickel Sulfate wastes

These materials were churned and removed offsite during later years, but records do not indicate they were always removed during early years of operation. The IEPA has indicated that these materials are considered as non-hazardous wastes.

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS			FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

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

site inspection 5/29/86
EPE / FIT File
IEPA file

EPA FORM 2070-13 (7-81)

EPA

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

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
IL	D021440367

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ■ A. GROUNDWATER CONTAMINATION — 02 ☐ OBSERVED (DATE: _____) — ■ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 90,000 — 04 NARRATIVE DESCRIPTION

The alleged Landfill onsite accepted wastes that could have contained heavy metals, acids and caustics. The drift in the area is approx. 40' deep. Bedrock consisting of dolomitic limestone, limestone and shale and sandstone underlies the drift. Public wells draw from over 1000' feet. Private wells draw from the upper bedrock.

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

The Fox river lies to the east of the site approximately 1 mile. It would be difficult for runoff to reach the river because there are several things that would prohibit this action: Residential area with streets, curbs, storm sewers and railroad tracks.

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

None reported or observed.

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

none reported or observed

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

None reported or observed. Area of suspected Landfill is covered with soil.

01 ■ F. CONTAMINATION OF SOIL — 02 ☐ OBSERVED (DATE: _____) — ■ POTENTIAL — ☐ ALLEGED
03 AREA POTENTIALLY AFFECTED: 3.82 (Acres) — 04 NARRATIVE DESCRIPTION

This acreage applies to entire site. Landfilled area would be significantly less than this figure. Actual size unknown. Soil borings taken in a few locations do not show any contamination.

01 ■ G. DRINKING WATER CONTAMINATION — 02 ☐ OBSERVED (DATE: _____) — ■ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 90,000 — 04 NARRATIVE DESCRIPTION

Aurora, North Aurora and Montgomery all utilize groundwater from deeper bedrock formations. Private wells in the area utilize the upper bedrock for drinking water.

01 ■ H. WORKER EXPOSURE/INJURY — 02 ☐ OBSERVED (DATE: _____) — ■ POTENTIAL — ☐ ALLEGED
03 WORKERS POTENTIALLY AFFECTED: 20 (FULTON) — 04 NARRATIVE DESCRIPTION

Workers could have been exposed during disposal operations. None reported or documented.

01 ■ I. POPULATION EXPOSURE/INJURY — 02 ☐ OBSERVED (DATE: _____) — ■ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 90,000 — 04 NARRATIVE DESCRIPTION

Population could be exposed since suspected Landfill area is outside of site operating area fencing. Potential would also be realized through groundwater usage as an exposure route.

EPA

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

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
IL	D024440367

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
None reported or observed

01 ☐ K. DAMAGE TO FAUNA — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION (Include name(s) of species)
None reported or observed

01 ☐ L. CONTAMINATION OF FOOD CHAIN — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
None reported or observed

01 ■ M. UNSTABLE CONTAINMENT OF WASTES (Spills/Runoff/Standing liquids, Leaking drums) — 02 ☐ OBSERVED (DATE: _____) ■ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 90,000 — 04 NARRATIVE DESCRIPTION
Since no reliable information exists on landfill location and construction, it is prudent to assume that it was an unlined pit. Therefore groundwater could be affected.

01 ☐ N. DAMAGE TO OFFSITE PROPERTY — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
None reported or observed

01 ■ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs — 02 ☐ OBSERVED (DATE: _____) ■ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION The operation had a permit to dispose of neutralized waste water into the sewer system of Aurora. During the years of operation it may have released other materials into the sewers.

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING — 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
None reported or observed.

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS
None

III. TOTAL POPULATION POTENTIALLY AFFECTED: 90,000

IV. COMMENTS
Most of the population affected is derived from public water supply use. These wells are very deep (2500') and are not likely to be affected by this operation. Materials used in later years of operation disposed of offsite. Considered non-haz by IEPA

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)
Site inspection 5/29/86
1980 Census
USGS Topo maps
ISWS Bulletin 60-22
ISWS well logs
Report on Soil Sampling by Arro Labs for Jim Walters Co.

EPA FORM 2070-13 (7-81)

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IL	D021940367

II. PERMIT INFORMATION

01 TYPE OF PERMIT ISSUED (Check all that apply)	02 PERMIT NUMBER	03 DATE ISSUED	04 EXPIRATION DATE	05 COMMENTS
☐ A. NPDES				
☐ B. UIC				
☐ C. AIR				
☐ D. RCRA				
☐ E. RCRA INTERIM STATUS				
☐ F. SPCC PLAN				
☐ G. STATE (Specify)				
☐ H. LOCAL (Specify)				
■ I. OTHER (Specify) CITY OF	AURORA — TO	DISPOSE OF	NEUTRALIZED	WATER TO SEWER. EXPIRED
☐ J. NONE				NOT IN USE.

III. SITE DESCRIPTION

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

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

05 OTHER
- ■ A. BUILDINGS ON SITE

06 AREA OF SITE: 3.82 (Acres)

07 COMMENTS site operated as a porcelain enameling facility. A Landfill is allegedly on the property. There is no evidence of the location. Most of the site is paved or covered by buildings. A small unpaved area in the northeast corner could be a possible LF location.

IV. CONTAINMENT

01 CONTAINMENT OF WASTES (Check one)

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

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

Disposal practice of landfilling onsite is unclear. The alleged Landfill onsite is probably unlined. Process operations during Briggs operations did not dispose of materials onsite. Briggs processing area utilized a collection system for enameling wastes, therefore limiting the potential for offsite migration.

V. ACCESSIBILITY

01 WASTE EASILY ACCESSIBLE: ☐ YES ☒ NO

02 COMMENTS No waste materials were observed. Processes are no longer in use at the facility that generate a hazardous or potentially hazardous waste stream.

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

Site inspection 5/29/86

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IL	D021440367

II. DRINKING WATER SUPPLY

01 TYPE OF DRINKING SUPPLY (Check all applicable)	SURFACE	WELL	02 STATUS: ENDANGERED	AFFECTED	MONITORED	03 DISTANCE TO SITE
COMMUNITY	A. ☐	B. ■	A. ☐	B. ☐	C. ☐	A. 0.2 (mi)
NON-COMMUNITY	C. ☐	D. ■	D. ☐	E. ☐	F. ☐	B. 1.0 (mi)

III. GROUNDWATER

01 GROUNDWATER USE IN VICINITY (Check one)

■ A. ONLY SOURCE FOR DRINKING ☐ B. DRINKING (Other sources available) COMMERCIAL, INDUSTRIAL, IRRIGATION (No other water sources available) ☐ C. COMMERCIAL, INDUSTRIAL, IRRIGATION (Limited other sources available) ☐ D. NOT USED, UNUSEABLE

02 POPULATION SERVED BY GROUND WATER 90,000

03 DISTANCE TO NEAREST DRINKING WATER WELL 0.2 (mi)

04 DEPTH TO GROUNDWATER	05 DIRECTION OF GROUNDWATER FLOW	06 DEPTH TO AQUIFER OF CONCERN	07 POTENTIAL YIELD OF AQUIFER	08 SOLE SOURCE AQUIFER
10 (ft)	(Drift) east (Bedrock) unk.	1500' (ft)	>1,000K (gpd)	☐ YES ■ NO

09 DESCRIPTION OF WELLS (Including useage, depth, and location relative to population and buildings) City water services of Aurora, Montgomery and North Aurora all utilize deep bedrock aquifers. Other wells in the 3 mile radius utilize shallow bedrock (Silurian dolomite). Depths for city wells up to 2000'; private wells average about 150' deep. The bedrock aquifer is under pressure as most of the wells in the Silurian dolomite show a static water level of +1 foot above ground surface

10 RECHARGE AREA	COMMENTS	11 DISCHARGE AREA	COMMENTS
■ YES ☐ NO	Glacial debris above bedrock could be recharged from precipitation.	☑ YES ☐ NO	UNKNOWN

IV. SURFACE WATER

01 SURFACE WATER USE (Check one)

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

02 AFFECTED/POTENTIALLY AFFECTED BODIES OF WATER

NAME	AFFECTED	DISTANCE TO SITE
FOX RIVER	☐	1.0 (mi)
	☐	(mi)
	☐	(mi)

V. DEMOGRAPHIC AND PROPERTY INFORMATION

01 TOTAL POPULATION WITHIN

ONE (1) MILE OF SITE	TWO (2) MILES OF SITE	THREE (3) MILES OF SITE
A. 8,000 NO OF PERSONS	B. 30,000 NO OF PERSONS	C. 70,000 NO OF PERSONS

02 DISTANCE TO NEAREST POPULATION 100 ft ~~(mi)~~

03 NUMBER OF BUILDINGS WITHIN TWO (2) MILES OF SITE 7895

04 DISTANCE TO NEAREST OFF-SITE BUILDING 100 ft ~~(mi)~~

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

City of Aurora - a small industrial complex of older buildings surrounded by residential neighborhoods.

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IL	D 021443367

VI. ENVIRONMENTAL INFORMATION

01 PERMEABILITY OF UNSATURATED ZONE (Check one)

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

glacial debris - clay, sand, gravel → till

02 PERMEABILITY OF BEDROCK (Check one)

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

Silurian dolomite

03 DEPTH TO BEDROCK	04 DEPTH OF CONTAMINATED SOIL ZONE	05 SOIL pH
38 (ft)	UNKNOWN (ft)	6.5-7.0

06 NET PRECIPITATION	07 ONE YEAR 24 HOUR RAINFALL	08 SLOPE: SITE SLOPE	DIRECTION OF SITE SLOPE	TERRAIN AVERAGE SLOPE
3.00 (in)	2.45 (in)	0-1 %	VARIABLE	0-1 %

09 FLOOD POTENTIAL

SITE IS IN N/A YEAR FLOODPLAIN

10

☐ SITE IS ON BARRIER ISLAND, COASTAL HIGH HAZARD AREA, RIVERINE FLOODWAY

11 DISTANCE TO WETLANDS (5 acre minimum) N/A

ESTUARINE A. _____ (mi)

OTHER B. _____ (mi)

12 DISTANCE TO CRITICAL HABITAT (of endangered species)

UNKNOWN — (mi)

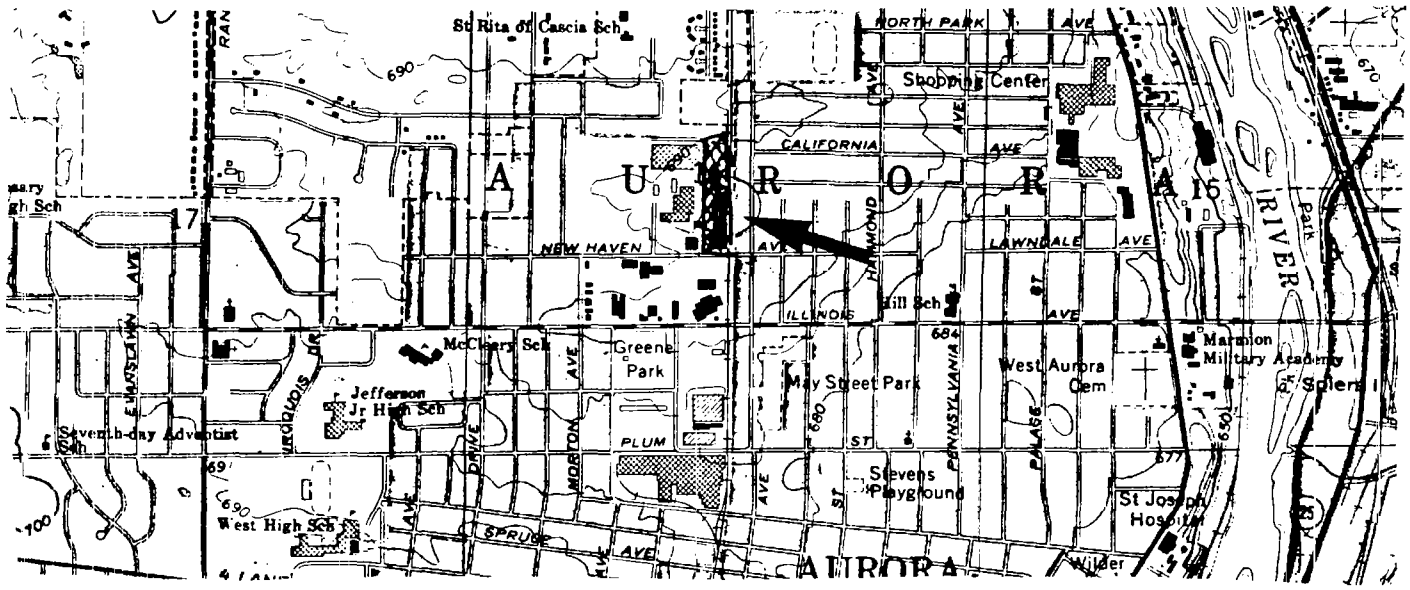
ENDANGERED SPECIES: _____

13 LAND USE IN VICINITY

DISTANCE TO:

COMMERCIAL/INDUSTRIAL	RESIDENTIAL AREAS; NATIONAL/STATE PARKS, FORESTS, OR WILDLIFE RESERVES	AGRICULTURAL LANDS: PRIME AG LAND	AGRICULTURAL LANDS: AG LAND
A. 100 ft (mi)	B. 100 ft (mi)	C. 2.0 (mi)	D. — (mi)

14 DESCRIPTION OF SITE IN RELATION TO SURROUNDING TOPOGRAPHY



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

USGS Topographic sheets
1980 Census
Site Inspection 5/29/86
ISWS Bulletin 60-22
HRS manual
ISWS well logs
Soil Survey Kane Co.

EPA

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

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
IL	D 024408867

II. SAMPLES TAKEN

SAMPLE TYPE	01 NUMBER OF SAMPLES TAKEN	02 SAMPLES SENT TO	03 ESTIMATED DATE RESULTS AVAILABLE
GROUNDWATER		NONE	
SURFACE WATER			
WASTE			
AIR			
RUNOFF			
SPILL			
SOIL			
VEGETATION			
OTHER			

III. FIELD MEASUREMENTS TAKEN

01 TYPE	02 COMMENTS
HNU D101	NO READINGS ABOVE BKG

IV. PHOTOGRAPHS AND MAPS

01 TYPE ■ GROUND ☐ AERIAL

02 IN CUSTODY OF Ecology + Environment / FIT files (Name of organization or individual)

03 MAPS ■ YES ☐ NO

04 LOCATION OF MAPS Ecology + Environment / FIT files

V. OTHER FIELD DATA COLLECTED (Provide narrative description)

NONE

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

Site inspection 5/29/86
E+E / FIT Files

EPA FORM 2070-13 (7-81)

EPA

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

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
IL	D021440367

II. CURRENT OWNER(S)

01 NAME	02 D+B NUMBER	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	05 CITY	06 STATE	07 ZIP CODE
A LAND TRUST Leased by Russel St. Corp who leased to Fulton Arch. Prod.						

PARENT COMPANY (If applicable)

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

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

01 NAME	02 D+B NUMBER	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	05 CITY	06 STATE	07 ZIP CODE
Briggs (Div. of Celotex)		821 N RUSSEL		Aurora	IL	60507
LAWNDALE INDUSTRIES		UNKNOWN				

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

01 NAME	02 D+B NUMBER	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	05 CITY	06 STATE	07 ZIP CODE
Jim Walter Corporation		1500 N DALE MABRY		Tampa	FL	33622

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

Site Inspection 5/29/86
E+E/FIT Files

EPA FORM 2070-13 (7-81)

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IL	D021448867

II. CURRENT OPERATOR (Provide if different from owner)

01 NAME	02 D+B NUMBER
Fulton Arch. Products	

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

05 CITY	06 STATE	07 ZIP CODE
Aurora	IL	60507

08 YEARS OF OPERATION	09 NAME OF OWNER
	—

OPERATOR'S PARENT COMPANY (If applicable)

10 NAME	11 D+B NUMBER

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

III. PREVIOUS OPERATOR(S) (List most recent first; provide only if different from owner)

01 NAME	02 D+B NUMBER
Briggs (Div. of Celotex)	

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

05 CITY	06 STATE	07 ZIP CODE
Aurora	IL	60507

08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD
	—

PREVIOUS OPERATORS' PARENT COMPANIES (If applicable)

10 NAME	11 D+B NUMBER
Jim Walter Corp.	

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE
1500 N DALE MABRY	

14 CITY	15 STATE	16 ZIP CODE
Tampa	Fl	33622

01 NAME	02 D+B NUMBER
Lawndale Industries	

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

05 CITY	06 STATE	07 ZIP CODE

08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD

10 NAME	11 D+B NUMBER

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

01 NAME	02 D+B NUMBER
Porcelain Enamaling Inc	

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

05 CITY	06 STATE	07 ZIP CODE

08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD

10 NAME	11 D+B NUMBER

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

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

Site Inspection 5/29/86
E+E/FIT Files

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IL	D021440367

II. ON-SITE GENERATOR

01 NAME	02 D+B NUMBER
PREVIOUS OWNERS	

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

05 CITY	06 STATE	07 ZIP CODE

III. OFF-SITE GENERATOR(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
N/A			

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

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

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

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

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

IV. TRANSPORTER(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
N/A			

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

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

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

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

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

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

site Inspection
E+E/FIT files

EPA

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

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
IL	D021440367

II. PAST RESPONSE ACTIVITIES

01 ☐ A. WATER SUPPLY CLOSED 04 DESCRIPTION NONE	02 DATE	03 AGENCY
01 ☐ B. TEMPORARY WATER SUPPLY PROVIDED 04 DESCRIPTION	02 DATE	03 AGENCY
01 ☐ C. PERMANENT WATER SUPPLY PROVIDED 04 DESCRIPTION	02 DATE	03 AGENCY
01 ☐ D. SPILLED MATERIAL REMOVED 04 DESCRIPTION	02 DATE	03 AGENCY
01 ☐ E. CONTAMINATED SOIL REMOVED 04 DESCRIPTION	02 DATE	03 AGENCY
01 ☐ F. WASTE REPACKAGED 04 DESCRIPTION	02 DATE	03 AGENCY
01 ☐ G. WASTE DISPOSED ELSEWHERE 04 DESCRIPTION	02 DATE	03 AGENCY
01 ☐ H. ON SITE BURIAL 04 DESCRIPTION	02 DATE	03 AGENCY
01 ☐ I. IN SITU CHEMICAL TREATMENT 04 DESCRIPTION	02 DATE	03 AGENCY
01 ☐ J. IN SITU BIOLOGICAL TREATMENT 04 DESCRIPTION	02 DATE	03 AGENCY
01 ☐ K. IN SITU PHYSICAL TREATMENT 04 DESCRIPTION	02 DATE	03 AGENCY
01 ☐ L. ENCAPSULATION 04 DESCRIPTION	02 DATE	03 AGENCY
01 ☐ M. EMERGENCY WASTE TREATMENT 04 DESCRIPTION	02 DATE	03 AGENCY
01 ☐ N. CUTOFF WALLS 04 DESCRIPTION	02 DATE	03 AGENCY
01 ☐ O. EMERGENCY DIKING/SURFACE WATER DIVERSION 04 DESCRIPTION	02 DATE	03 AGENCY
01 ☐ P. CUTOFF TRENCHES/SUMP 04 DESCRIPTION	02 DATE	03 AGENCY
01 ☐ Q. SUBSURFACE CUTOFF WALL 04 DESCRIPTION	02 DATE	03 AGENCY

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IL	D021440367

II PAST RESPONSE ACTIVITIES (Continued)

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

NONE

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

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

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

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

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

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

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

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

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

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

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

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

Site Inspection 5/29/86
E.E/Fit Files

EPA

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

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
IL	D021440362

II. ENFORCEMENT INFORMATION

01 PAST REGULATORY/ENFORCEMENT ACTION ☐ YES ☒ NO

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

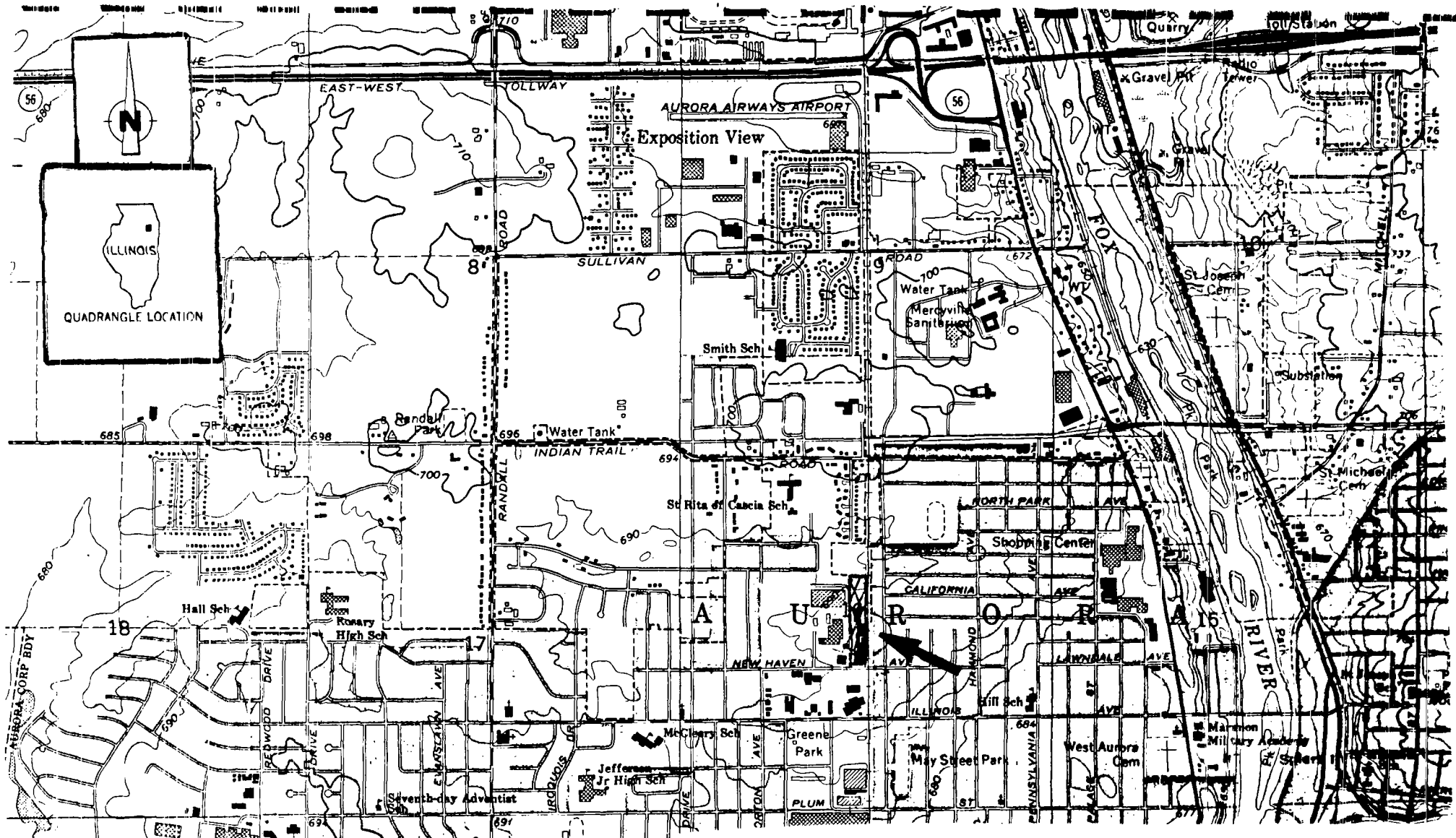
N/A

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

Site inspection 5/29/86
E+E/FIT Files

3

nal



ecology and environment, inc.
111 WEST JACKSON BOULEVARD
CHICAGO, IL 60604

SCALE: 1:24000		DRAWN BY U.S.G.S.
DATE: 1954		REVISED 1972

Briggs (Lawndale Industries)

Quadrangle: Aurora North, IL

DRAWING NUMBER 1

4

Cardinal

FIELD PHOTOGRAPHY LOG SHEET

PAGE 1

DATE 5/29/86

TIME 2:32 A.M. (P.M.)

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

WEATHER 70°F
partly cloudy

SITE BRIGGS (LAWNDALE)

TDD# 05-8303-01F

PHOTOGRAPHED BY:
Cynthia Pugh

SAMPLE ID# (if applicable)
N/A

DESCRIPTION: Railroad tracks located off-site.

DATE 5/29/86

TIME 2:33 A.M. (P.M.)

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

WEATHER 70°F
partly cloudy

SITE BRIGGS (LAWNDALE)

TDD# 05-8303-01F

PHOTOGRAPHED BY:
Cynthia Pugh

SAMPLE ID# (if applicable)
N/A

DESCRIPTION: South End of the Building.

FIELD PHOTOGRAPHY LOG SHEET PAGE 2

DATE 5/29/86

TIME 2:38 A.M. (P.M.)

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

WEATHER 70°F
partly cloudy

SITE BRIGGS (LAWNDALE)

TDD# 05-8303-01F

PHOTOGRAPHED BY:
Cynthia Pugh

SAMPLE ID# (if applicable)
N/A

DESCRIPTION: According to a site representative material shown in picture was removed from inside of a building and is being temporarily stored here until sent off-site.

DATE 5/29/86

TIME 2:43 A.M. (P.M.)

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

WEATHER 70°F
partly cloudy

SITE BRIGGS (LAWNDALE)

TDD# 05-8303-01F

PHOTOGRAPHED BY:
Cynthia Pugh

SAMPLE ID# (if applicable)
N/A

DESCRIPTION: Site building and entrance road (Russel Street).

FIELD PHOTOGRAPHY LOG SHEET PAGE 3

DATE 5/29/86

TIME _____ A.M. P.M.

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

WEATHER 70°F
partly cloudy

SITE BRIGGS (LAWNDALE)

TDD# 05-8303-01F

PHOTOGRAPHED BY:
Cynthia Pugh

SAMPLE ID# (if applicable)
N/A

DESCRIPTION: SE corner of site, showing pavement and Railroad tracks to the East.

A-A
DISPOSAL INC
844-2595

Cardinal

ILD021440367
BRIGGS/LAUNDALE IA

Immediate Removal Action Check Sheet

	High	Moderate	Low	
Fire and Explosion Hazard				
Flammable Materials				N/A
Explosives				N/A
Incompatable Chemicals				N/A
Direct Contact with Acutely Toxic Chemicals				
Site Security			✓	ACCESS CONTROLLED
Leaking Drums or Tanks				N/A
Open Lagoons or pits				N/A
Materials on Surface			✓	STAINED SOIL
Proximity of Population		✓		
Evidence of Casual Site Use			✓	
Contaminated Water Supply				
Exceeds 10 Day Snarl			NA	
Gross Taste or Odors				
Alternate Water Available				
Potential Contamination				
Is the site abandoned or active? no hazardous activity now.				

Comments

Site is now longer involved in potentially hazardous operations.

Soil borings show no major contamination. Residents nearby are utilizing public water which is drawn from below 1700' near site.

Attatchment #1

ARRO Laboratories, Inc.

P.O. Box 686 Caton Farm Road
Joliet, Illinois 60434

Telephone 815 727-5436 312 454-0245
Telex 723421 UAR JOL

May 8, 1984

Mr. Lecil Colburn
Jim Walters/Brigg
5040 National Drive
Knoxville, TN 37914

Dear Mr. Colburn,

Please find enclosed a report covering the sampling and EP Toxicity testing of your soil samples from your Briggs facility in Aurora, Illinois.

Thank you for the opportunity of providing this service for you.

Sincerely,

ArRo LABORATORIES, INC.

TERESE M. LACIAK
Laboratory Manager

TML:rs

Enclosure

ARRO Laboratories, Inc.

P.O. Box 686 Caton Farm Road
Joliet, Illinois 60434

Telephone 815 727-5436 312 454-0245
Telex 723421 UAR JOL

Summary of Soil Sample

and

EP EXTRACTION TESTS

for

JIM WALTERS/BRIGGS FACITILY

in

Aurora, Illinois

Performed by

ArRo LABORATORIES, INC.

Joliet, Illinois

Submitted by: James Catarello

JAMES CATARELLO

Approved by: Terese M. Laciak

TERESE M. LACIAK

INTRODUCTION

Four soil-core samples were obtained at the Jim Walters Briggs facility in Aurora, Illinois. These samples were taken from four different locations at the Aurora facility and were to be tested for EP Toxic metals.

EXPERIMENTAL PROGRAM

The site was to be sampled by using a core-soil sampler but because some of the sampling areas were covered with blacktop and concrete an auger was used to bore into the soil to a depth of 2 to 4 feet (before hard rock and water was found). The samples were taken after the blacktop or concrete was broken through.

Figures No. 1 and 2 shows the locations that the samples were obtained.

Sample 1A (278-92-1A) was obtained after 4 to 5 inches of blacktop was chipped away. Only a 2 to 3 foot deep soil sample was removed, since water and rock were reached at this depth. Sample 2 (278-92-2A) was collected after breaking through concrete near a crack in the loading area. Approximately a 4 foot deep core sample was taken here. Sample No. 3 (278-92-3C) was taken from a parking area and about a 4 foot deep core sample was taken here. Another blacktopped area was used for sample No. 4 (278-92-4D) and again only a 2 to 3 foot deep sample could be obtained, since rock and water was again reached.

These samples were transported to the laboratory where they were air-dried and then coned, quartered and ground before the EP Extraction procedure was performed. A one-hundred gram sample was used for the extraction procedure. The test conditions and the results obtained from the EP Extraction tests are attached to this report.

RESULTS

The analysis of the EP Extract showed that none of the soil extracts exceeded the values allowed by RCRA (Resource Conservation and Reclamation Act). All EP Toxic metals were well below the limits set by RCRA for the metals tested.

ARRO Laboratories, Inc.

P. O. Box 686 Caton Farm Road Joliet Illinois

Telephone (815) 727-5436
(312) 454-0245
Telex 723421 UAR JOI

Attention of Mr. Lecil Colburn
Company JIM WALTERS/BRIGG
Address 5040 National Drive
City/State/Zip Knoxville, TN 37914

P.O. Number 24553
Date Received 4/3/84
Date Complated 5/8/84

ARRO No.	Sample Description	ARRO Pickup	Date
85528E	278-92-3C	X	4/3

EPA SOLID WASTE REQUIREMENTS

ARRO No.

ANALYSIS	As Received, ug/gm	Dry Weight Basis, ug/gm	Extraction Procedure Extract, mg/l
REACTIVITY:			
Cyanide Total			
Cyanide Free			
Sulfide			
CORROSIVENESS:			
pH			
IGNITABILITY:			
Flash Point (Closed Cup)			
Ash Content			
Phenol			
Heat of Combustion, BTU/lb			
Specific Weight *			
Suspended Solids			
Total Solids			
Dissolved Solids			
Arsenic			<0.003
Barium			<10
Cadmium			<0.05
Chromium			<0.2
Lead			<0.2
Mercury, ppb			2.71
Selenium			0.022
Silver			<1
Copper			
Nickel			
Zinc			
PESTICIDES:			
Endrin			
Lindane			
Methoxychlor			
Toxaphene			
HERBICIDES, ppB:			
2,4 D			
2,4,5, TP Silvex			

*

I certify that I am familiar with the information contained in this report and that to the best of my knowledge and belief such information is true, complete, and accurate.

A.G. Roketa, Manager
Environmental Division

Approved by
TERESE M. LACIAK
Laboratory Manager

Date: May 18, 1984

Testing is in accordance with procedures outlined in the newest Federal Register.

WASTE INFORMATION

COLLECTION PROCEDURE: collected 2 ft. of soil with auger

DATE OF COLLECTION: 4/3/84

TEMPERATURE CHANGES: constant 50°F

SOLIDS CONTENT: soil, rock, water

GENERAL PHYSICAL DESCRIPTION:

Color: white/grey

Odor: none

Consistency: lumpy

SAMPLE TREATMENT BEFORE EXTRACTION: Dried sample for 2 weeks and collected 100.69g of sample for extraction by cone and quartering method

EXTRACTION DATA AND COMMENTS:

Initial pH: 9.1

Final pH: 4.6

Amount of 0.5 N acetic acid added to adjust solution to pH 5 25 mls

Total 0.5 N acetic acid added during the 24 hours extraction period 155 mls

Color grey

Conductivity of the final extract

REMARKS: 100.69grams of sample 1845 mls of distilled water was added to bring the final volume of the sample to 2000 mls. The sample was filtered and the filtrate analyzed

Glass containers: 2 liter jar

Other:

SAMPLE PREPARATION:

~~Mixing~~ and quartering: X

Coneing

ARRO Laboratories, Inc.

P. O. Box 686 Caton Farm Road Joliet Illinois

Telephone (815) 727-5436
(312) 454-0245
Telex 723421 UAR JOL

Attention of Mr. Lecil Colburn
Company JIM WALTERS/BRIGG
Address 5040 National Drive
City/State/Zip Knoxville, TN 37914

P.O. Number 24553
Date Received 4/3/84
Date Complated 5/8/84

ARRO No.	Sample Description	ARRO Pickup	Date
85527E	278-92-2B	X	4/3

EPA SOLID WASTE REQUIREMENTS

ARRO No.

ANALYSIS	As Received, ug/gm	Dry Weight Basis, ug/gm	Extraction Procedure Extract, mg/l
REACTIVITY:			
Cyanide Total			
Cyanide Free			
Sulfide			
CORROSIVENESS:			
pH			
IGNITABILITY:			
Flash Point (Closed Cup)			
Ash Content			
Phenol			
Heat of Combustion, BTU/lb			
Specific Weight *			
Suspended Solids			
Total Solids			
Dissolved Solids			
Arsenic			<0.003
Barium			<10
Cadmium			<0.05
Chromium			<0.2
Lead			<0.2
Mercury, ppb			0.24
Selenium			0.024
Silver			<1
Copper			
Nickel			
Zinc			
PESTICIDES:			
Endrin			
Lindane			
Methoxychlor			
Toxaphene			
HERBICIDES, ppB:			
2,4 D			
2,4,5, TP Silvex			

*

I certify that I am familiar with the information contained in this report and that to the best of my knowledge and belief such information is true, complete, and accurate.

A.G. Roketa, Manager
Environmental Division

Approved by
TERESE M. LACIAK
Laboratory Manager

Date: May 18, 1984

Testing is in accordance with procedures outlined in the newest Federal Register.

WASTE INFORMATION

COLLECTION PROCEDURE: collected 4 feet of sample with auger

DATE OF COLLECTION: 4/3/84

TEMPERATURE CHANGES: 50°c windy

SOLIDS CONTENT: Soil, rock, clay

GENERAL PHYSICAL DESCRIPTION:

Color: Brown

Odor: ----

Consistency: Fine

SAMPLE TREATMENT BEFORE EXTRACTION: Dried sample for two weeks and collected 106.37g of sample for extraction by the cone and quartering method

EXTRACTION DATA AND COMMENTS:

Initial pH: 8.0

Final pH: 4.6

Amount of 0.5 N acetic acid added to adjust solution to pH 5 25mls

Total 0.5 N acetic acid added during the 24 hours extraction period 80mls

Color brown

Conductivity of the final extract

REMARKS: 106.37g of sample 1920mls of distilled water was added to bring the final volume to 2000 mls. The sample was filtered and the filtrate was analyzed

Glass containers: 2 liter jar

Other:

SAMPLE PREPARATION:

~~Mixing~~ Cone and quartering: X

ARRO Laboratories, Inc.

P. O. Box 686 Caton Farm Road Joliet Illinois

Telephone (815) 727-5436
(312) 454-0245
Telex 723421 UAR JOL

Attention of Mr. Lecil Colburn
Company JIM WALTERS CORPORATION
Address 5040 National Drive
City/State/Zip Knoxville, TN 37914

P.O. Number 24553
Date Received 4/3/84
Date Completed 5/8/84

ARRO No.	Sample Description	ARRO Pickup	Date
85526E	278-92-1A	X	4/3/84

EPA SOLID WASTE REQUIREMENTS

ARRO No.

ANALYSIS	As Received, ug/gm	Dry Weight Basis, ug/gm	Extraction Procedure Extract, mg/l
REACTIVITY:			
Cyanide Total			
Cyanide Free			
Sulfide			
CORROSIVENESS:			
pH			
IGNITABILITY:			
Flash Point (Closed Cup)			
Ash Content			
Phenol			
Heat of Combustion, BTU/lb			
Specific Weight *			
Suspended Solids			
Total Solids			
Dissolved Solids			
Arsenic			<0.003
Barium			<10
Cadmium			<0.05
Chromium			<0.2
Lead			<0.2
Mercury, ppb			0.14
Selenium			0.014
Silver			<1
Copper			
Nickel			
Zinc			
PESTICIDES:			
Endrin			
Lindane			
Methoxychlor			
Toxaphene			
HERBICIDES, ppB:			
2,4 D			
2,4,5, TP Silvex			

*

I certify that I am familiar with the information contained in this report and that to the best of my knowledge and belief such information is true, complete, and accurate.

A.G. Roketa, Manager
Environmental Division

Approved by
TERESE M. LACIAK
Laboratory Manager

Date: May 18, 1984

Testing is in accordance with procedures outlined in the newest Federal Register.

ARRO Laboratories, Inc.

P. O. Box 686 Caton Farm Road Joliet Illinois

Telephone (815) 727-5436
(312) 454-0245
Telex 723421 UAR JOL

Attention of Mr. Lecil Colburn
Company JIM WALTERS/BRIGG
Address 5040 National Drive
City/State/Zip Knoxville, TN 37914

P.O. Number 24553
Date Received 4/3/84
Date Completed 5/8/84

ARRO No.	Sample Description	ARRO Pickup	Date
85529E	278-92-4D	X	4/3

EPA SOLID WASTE REQUIREMENTS

ARRO No.

ANALYSIS	As Received, ug/gm	Dry Weight Basis, ug/gm	Extraction Procedure Extract, mg/l
REACTIVITY:			
Cyanide Total			
Cyanide Free			
Sulfide			
CORROSIVENESS:			
pH			
IGNITABILITY:			
Flash Point (Closed Cup)			
Ash Content			
Phenol			
Heat of Combustion, BTU/lb			
Specific Weight *			
Suspended Solids			
Total Solids			
Dissolved Solids			
Arsenic			<0.003
Barium			<10
Cadmium			<0.05
Chromium			<0.2
Lead			<0.2
Mercury, ppb			0.52ppb
Selenium			<0.004
Silver			<1
Copper			
Nickel			
Zinc			
PESTICIDES:			
Endrin			
Lindane			
Methoxychlor			
Toxaphene			
HERBICIDES, ppB:			
2,4 D			
2,4,5, TP Silvex			

*

I certify that I am familiar with the information contained in this report and that to the best of my knowledge and belief such information is true, complete, and accurate.

A.G. Roketa, Manager
Environmental Division

Approved by
TERESE M. LACIAK
Laboratory Manager

Date: May 17, 1984

Testing is in accordance with procedures outlined in the newest Federal Register.

WASTE INFORMATION

COLLECTION PROCEDURE: collected 2 feet of soil with auger

DATE OF COLLECTION: 4/3/84

TEMPERATURE CHANGES: 50°c windy

SOLIDS CONTENT: soil, rock, water

GENERAL PHYSICAL DESCRIPTION:

Color: white/grey

Odor:

Consistency: lumpy

SAMPLE TREATMENT BEFORE EXTRACTION: Dried sample for 2 weeks and collected 101.42g of sample for extractions by the cone and quarter method.

EXTRACTION DATA AND COMMENTS:

Initial pH: 8.1

Final pH: 4.6

Amount of 0.5 N acetic acid added to adjust solution to pH 5 25mls

Total 0.5 N acetic acid added during the 24 hours extraction period 130mls

Color white cloudy grey

Conductivity of the final extract ---

REMARKS: 101.42g of sample 1870mls of distilled water was added to bring the final volume to 2000mls the sample was filtered and the filtrate was analyzed.

Glass containers: 2 liter jar

Other:

SAMPLE PREPARATION:

~~Mixing~~ and quartering: X
cone

WASTE INFORMATION

COLLECTION PROCEDURE: Collected 4 feet of soil with auger

DATE OF COLLECTION: 4/3/84

TEMPERATURE CHANGES: Constant 55°F (inside)

SOLIDS CONTENT: Soil, Rock

GENERAL PHYSICAL DESCRIPTION:

Color: Black

Odor: ----

Consistency: Fine

SAMPLE TREATMENT BEFORE EXTRACTION: Dried sample for 2 weeks and collected 103.72g of sample for extraction by cone & quartering method

EXTRACTION DATA AND COMMENTS:

Initial pH: 9.5

Final pH: 4.7

Amount of 0.5 N acetic acid added to adjust solution to pH 5 25mls

Total 0.5 N acetic acid added during the 24 hours extraction period 130mls

Color brown

Conductivity of the final extract

REMARKS: 103.72g of sample 1870mls of distilled water was added to bring the final volume of the sample to 2000 mls. The sample was filtered and the filtrated analyzed.

Glass containers: 2 liter jar

Other:

SAMPLE PREPARATION:

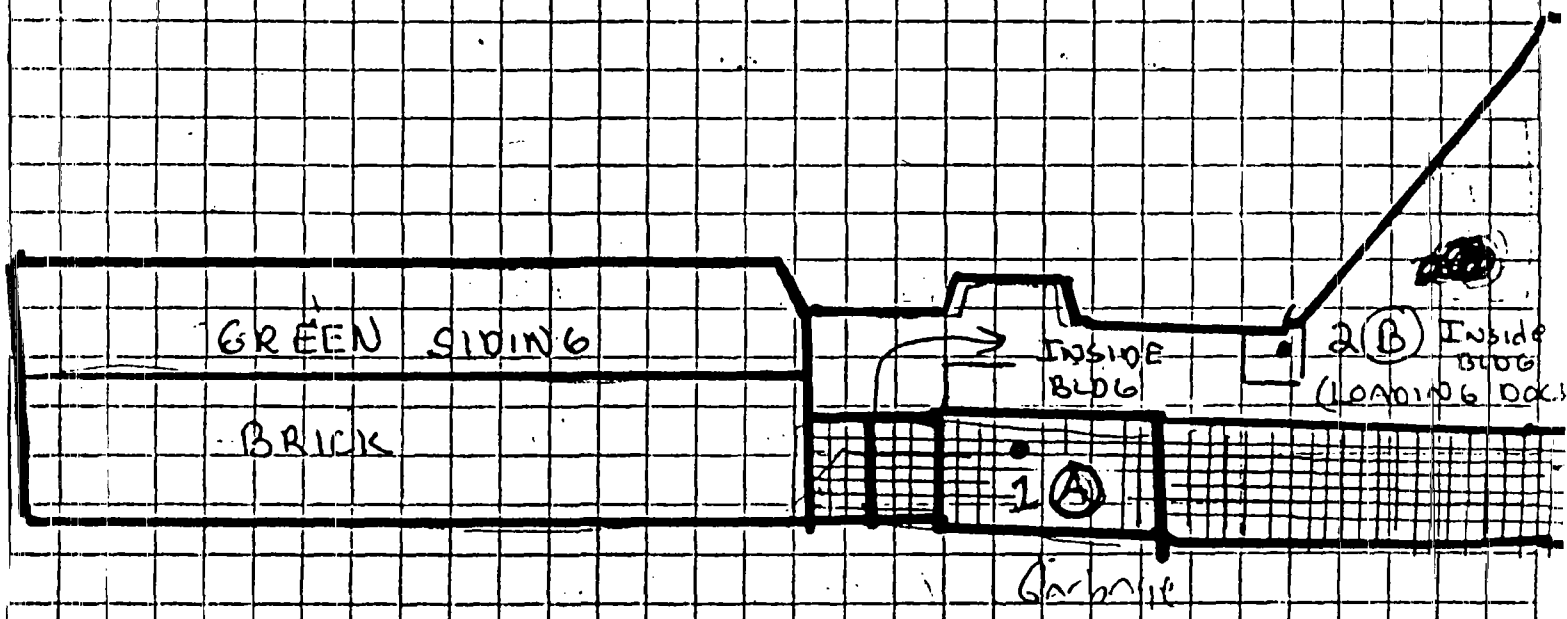
~~Mixing~~ and quartering: X
Cone

TITLE

PROJECT NO.

BOOK NO.

Jim Walters Corp / Briggs Facility - Aurora



A =

278-92-1A	85526	100.69g
278-92-2B	85527	103.72g
278-92-3C	85528	106.37g
278-92-4D	85529	101.40g

				IAH	
[85526]	Light Grey	Lumpy	1600ml H_2O	9.1	9:00AM
			25ml Acetic	4.8	
[85527]	- BLACK	Fine	1600ml H_2O	9.5	9:00AM
			25ml Acetic	4.8	

FIGURE NO. 1

SCIENTIFIC BINDERY PRODUCTS CHICAGO 60656

SIGNATURE | DATE

DISCLOSED TO AND UNDERSTOOD BY | DATE | WITNESS | DATE

85528	Brown	Fine/Lumpy	1600ml	8.00	9
			25ml Acetic	4.1	
85529	White/Grey	Fine/Lumpy	1600ml	8.1	9
				3.8	

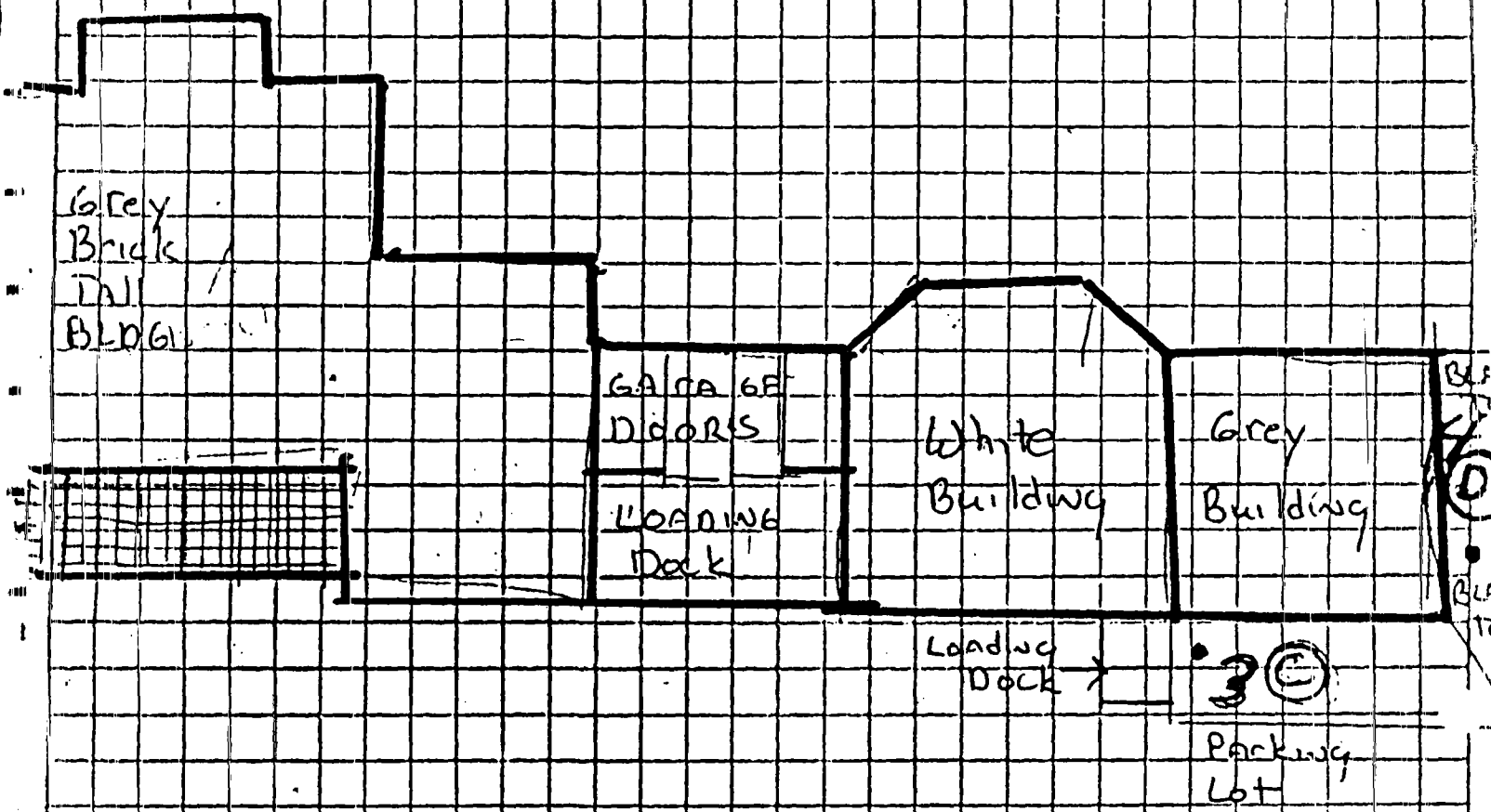
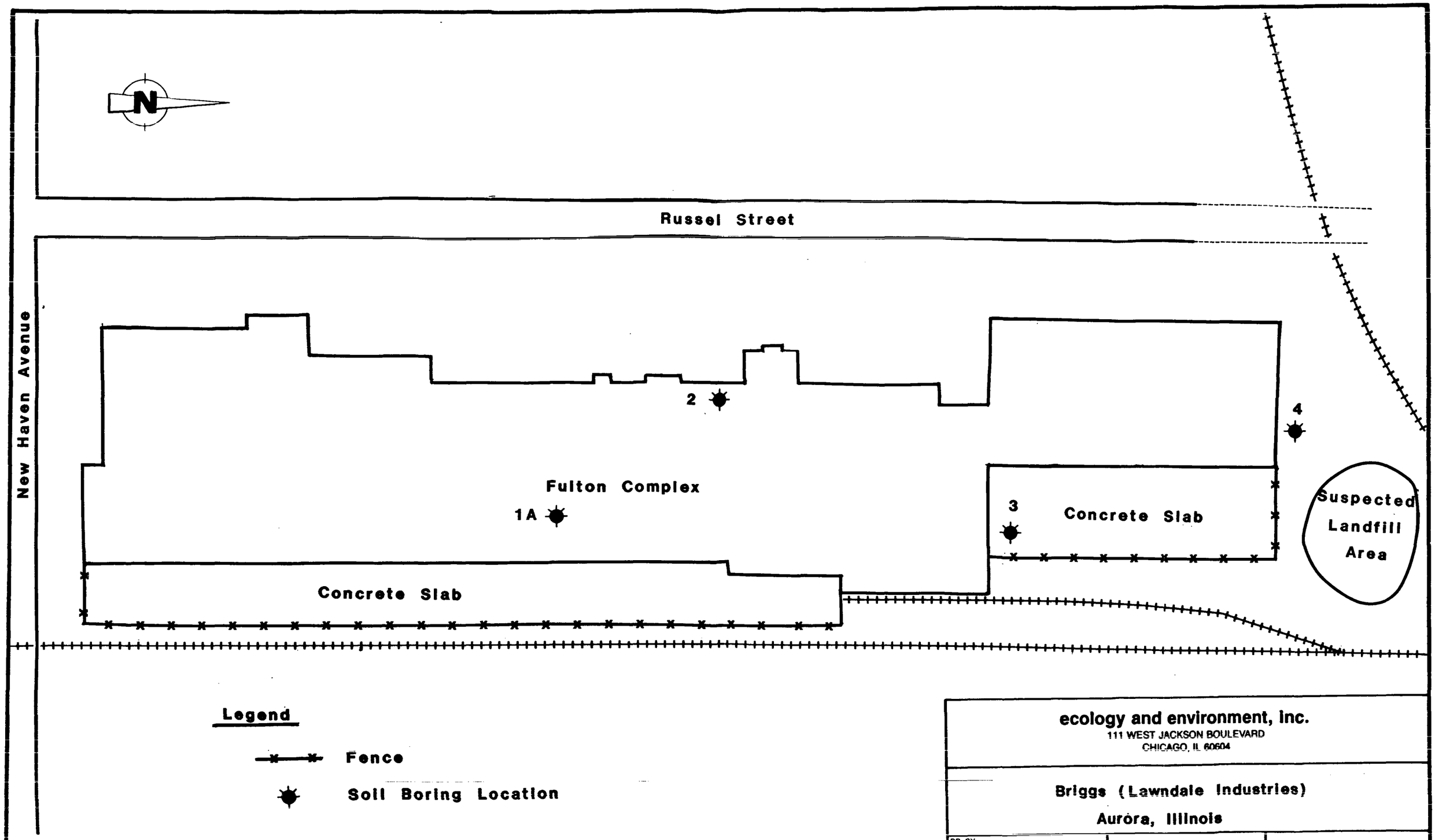


FIGURE NO 2

SCIENTIFIC BINDERY PRODUCTS CHICAGO

SIGNATURE | DATE

DISCLOSED TO AND UNDERSTOOD BY | DATE | WITNESS | DATE



ecology and environment, inc.
111 WEST JACKSON BOULEVARD
CHICAGO, IL 60604

Briggs (Lawndale Industries)
Aurora, Illinois

DR. BY:	D.M.C.		
SCALE:	1"=50'	DATE:	6/24/86
PROJECT NO.:	R05-8303-1F	SHEET 1 OF 1 SHEETS	