L0310000000--Cook County
Magnus Company, Inc.
ILD984766360
SF/HRS

5E0401-A0403

CERCLA

Preliminary Assessment Report

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

EPA Region 5 Records Ctr.
360768
923235

CONFIDENTIAL MATERIAL MAY BE ENCLOSED

L0310000000--Cook County
Magnus Company, Inc.
ILD984766360

EXECUTIVE SUMMARY

The Magnus Company, Inc. was added to CERCLIS in May of 1988 due to their possible involvement in lead smelting or with lead alloys. The facility is located at 4041 South Emerald Avenue in Chicago, Illinois (Cook County). The property is owned by Mr. Eli Winkel of Chicago, Illinois, with the House-O-Lite currently renting the building.

The facility was built in 1902 by American Can Company, with the operations at the site unknown until 1915. Magnus Company, Inc. started operations at the site in 1915 manufacturing journal bearings. The company changed their name in January 1916 to Magnus Metal Company and operated as a manufacturer of brass journals until 1936. The company filed for dissolution in 1936 with the State of Illinois Secretary of States office. The American Key Can Company moved into the facility sometime in the early 1940's as a manufacturer of iron steel and other metals for opening cans and other packages. The company stayed in the building until 1952 when records cease to indicate the property owner. In 1974, Mr. Eli Winkel bought the building from Mr. Russ Stonier of Chicago, Illinois who was going bankrupt at that time. Mr. Winkel began renting the facility to House-O-Lite in 1974, with House-O-Lite the current renter. The House-O-Lite company fabricates and processes fluorescent light fixtures.

A fire insurance map prepared by the Sanborn Map Company in 1923 indicated that Magnus Metal Co., at one time, had six (6) underground tanks. According to the map, the tanks contained fuel oil which was probably used to fire the smelting furnaces. (Four (4) tanks had 5000 gallon capacity, while the other two (2) tanks were 11,000 gallons each.) A fire insurance map from 1949 indicates a new owner, but the tanks are not identified on this drawing. A concrete pit is now located near the area of the four underground tanks. No records have been found to indicate that the tanks are still in the ground or that they have been removed.

A reconnaissance inspection was conducted at the old Magnus Company site on January 12, 1989 and March 3, 1989. The facility is located on the northeast corner of Emerald Avenue and 41st Street in Chicago, Illinois. The plant is bounded on the west by Emerald Avenue, on the south by 41st Street, on the north by railroad tracks and on the east by S & S Wholesale Florist shop. The area surrounding the site is mostly light industry.

The site geology consists of clays, sands, and gravels down to 115 feet underlain by Silurian limestone to 430 feet. Interbedded limestones and shales are prevalent from 430 feet to 1000 feet. The closest well is 2.5 miles north of the site and obtains water from the limestone aquifer for industrial purposes. All other wells, within the four mile radius of the site, obtain water from the limestone aquifer also for industrial use. No surface water is affected by this site, since the closest surface water of concern is the South Fork of the South Branch of the Chicago River, 3/4 mile northwest of the site. No drainage from the site is carried off into the surface water of concern.

Limited groundwater use in the area, no surface water use and the limited potential of a direct contact hazard are primary factors for recommending a no further action for this site.

EPA 2 031000000

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IL	D984766360

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER				
Mitan's Company Incorporated	4041 Emerald Ave.				
03 CITY	04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE	08 CONG DIST
Chicago	IL	60609	Cook	031	IL-05
09 COORDINATES LATITUDE	LONGITUDE		Englewood, Illinois Quad (31c)		
41 49 14.1	87 38 39.2				

10 DIRECTIONS TO SITE (Starting from nearest public road)
Take 90-94 Interstate to 43rd Street Exit. Head west on 43rd to Union Avenue. Go North on Union Ave to 41st Street. West on 41st to Emerald Ave. Site is on Northeast corner of 41st Street and Emerald Avenue.

III. RESPONSIBLE PARTIES

01 OWNER (If known)	02 STREET (Business, mailing, residential)		
/			
03 CITY	04 STATE	05 ZIP CODE	06 TELEPHONE NUMBER
Chicago	IL	60640	
07 OPERATOR (If known and different from owner)	08 STREET (Business, mailing, residential)		
09 CITY	10 STATE	11 ZIP CODE	12 TELEPHONE NUMBER
			( )

13 TYPE OF OWNERSHIP (Check one)
■ A. PRIVATE ☐ B. FEDERAL: _____ (Agency name) ☐ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL
☐ F. OTHER: _____ (Specify) ☐ G. UNKNOWN

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)
☐ A. RCRA 3001 DATE RECEIVED: / / (MONTH DAY YEAR) ■ B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: 06/09/81 (MONTH DAY YEAR) ☐ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION
■ YES DATE 08/17/78 (MONTH DAY YEAR)
☐ NO
03/03/89

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

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

03 YEARS OF OPERATION
1902 (BEGINNING YEAR) to Present (ENDING YEAR) ☐ UNKNOWN

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED
UNKNOWN

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION
Groundwater (Environment)

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)
☐ A. HIGH (Inspection required promptly) ☐ B. MEDIUM (Inspection required) ☐ C. LOW (Inspect on time available basis) ■ D. NONE (No further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)			03 TELEPHONE NUMBER
Mr. John Legno	House-O-Lite			(312) 376-9780
04 PERSON RESPONSIBLE FOR ASSESSMENT	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NUMBER	08 DATE
Gregory W. Dunn	IEPA	Pre-Remedial Unit	(217) 782-6760	04/07/89 (MONTH DAY YEAR)

EPA FORM 2070-12 (7-81)

EPA

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

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
IL	D 984766360

II. HAZARDOUS CONDITIONS AND INCIDENTS

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

Most groundwater is obtained from Limestone at depths to 400 feet. Most wells in the area are used for industrial purposes only. No groundwater is used for drinking within 4 miles of the Magnus Site.

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

None documented or observed

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

Contaminants could have been released to the air from the facility's boiler that was gas fired. The boiler is no longer in use at the plant.

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

None documented or observed

01 ■ E. DIRECT CONTACT — 02 ☐ OBSERVED (DATE: _____) ■ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: ≈ 7,000 — 04 NARRATIVE DESCRIPTION

Population may have been exposed to materials on-site, but the facility is now fenced with no access available from any side.

01 ■ F. CONTAMINATION OF SOIL — 02 ☐ OBSERVED (DATE: _____) ■ POTENTIAL ☐ ALLEGED
03 AREA POTENTIALLY AFFECTED: ≈ 0.2 (Acres) — 04 NARRATIVE DESCRIPTION

Underground tanks existed at the site at one time, with their contents possibly leaking into the soil.

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

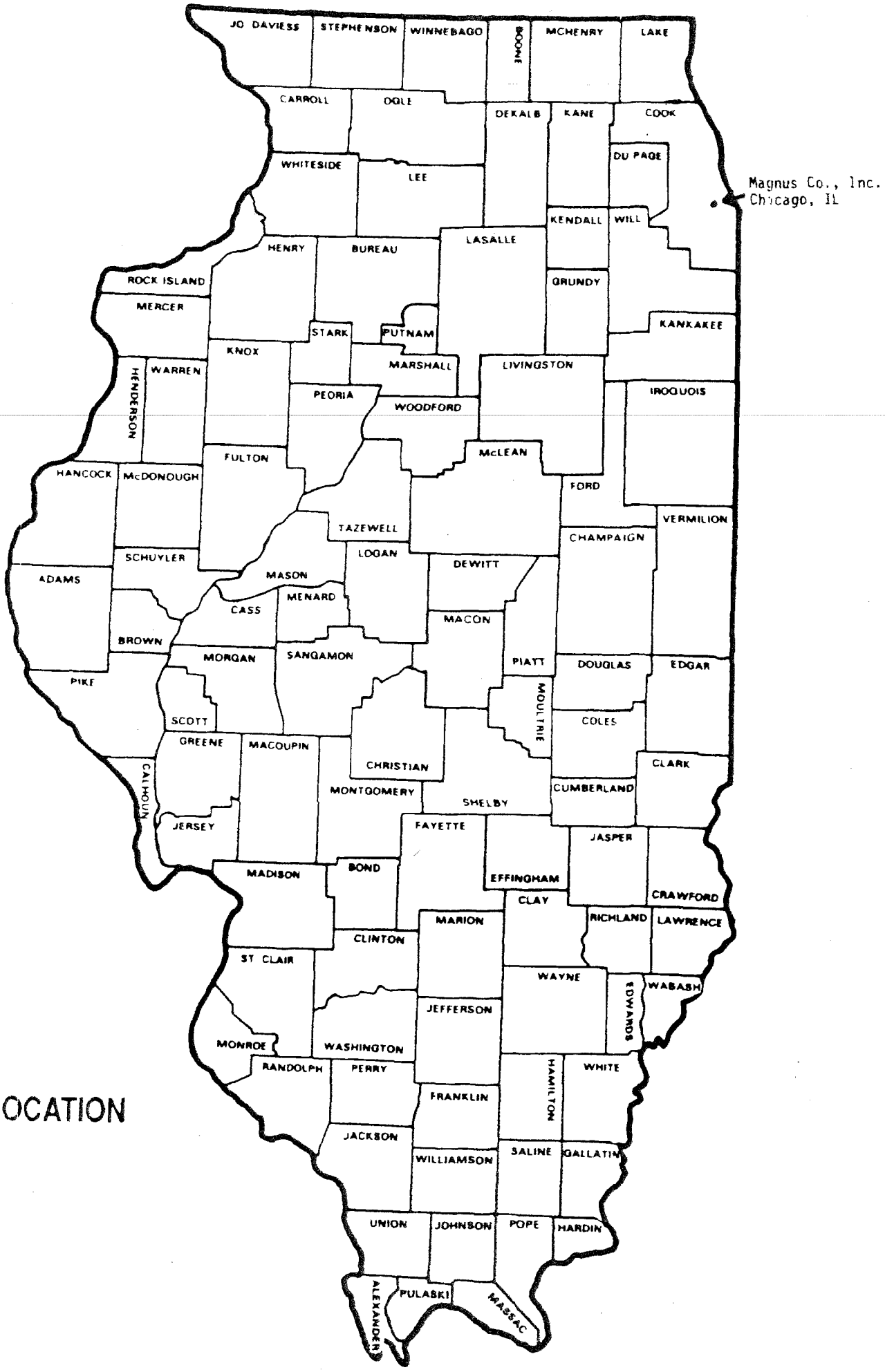
None documented or observed. All drinking water is obtained from Lake Michigan

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

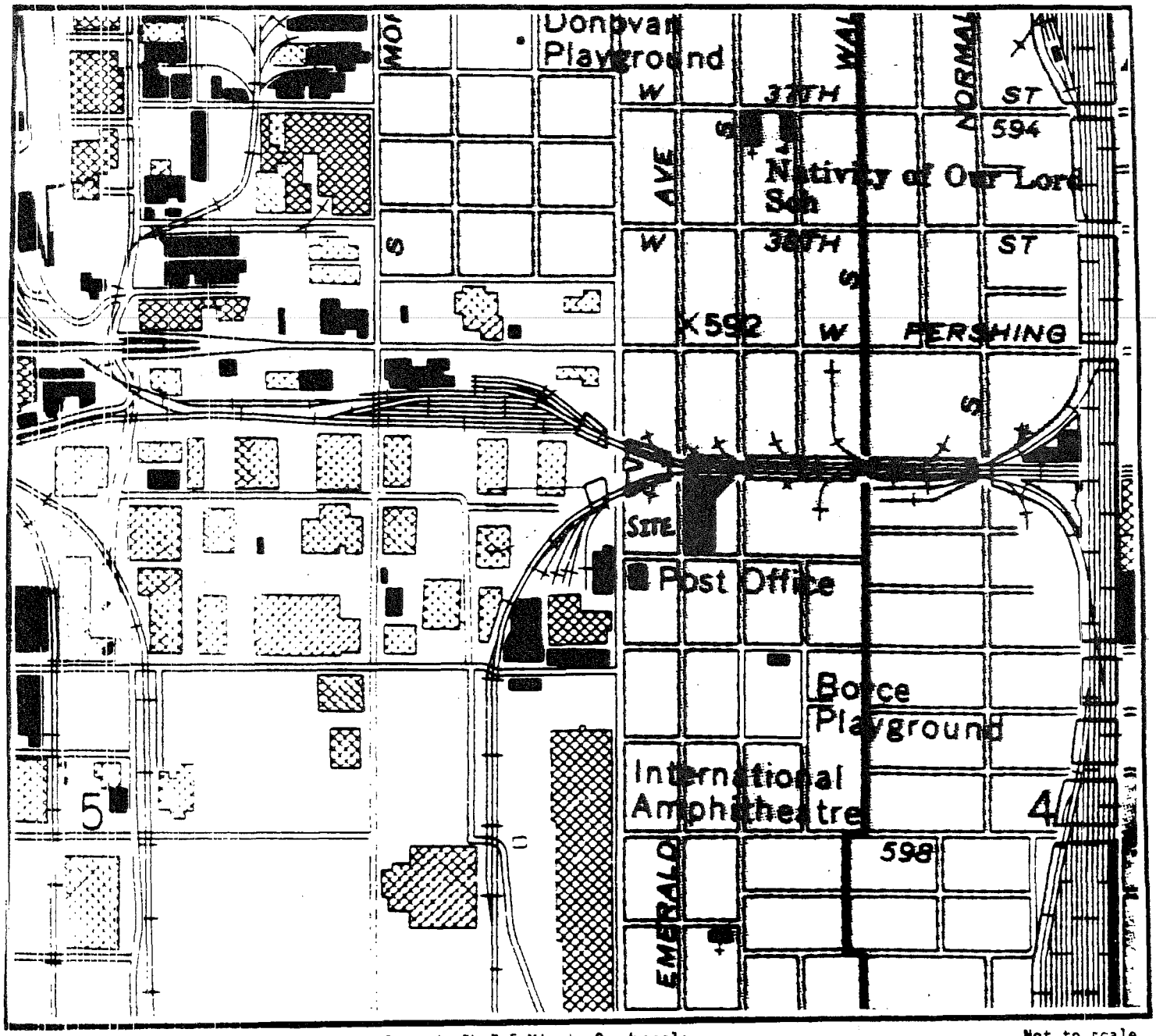
None documented or observed.

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

None documented or observed



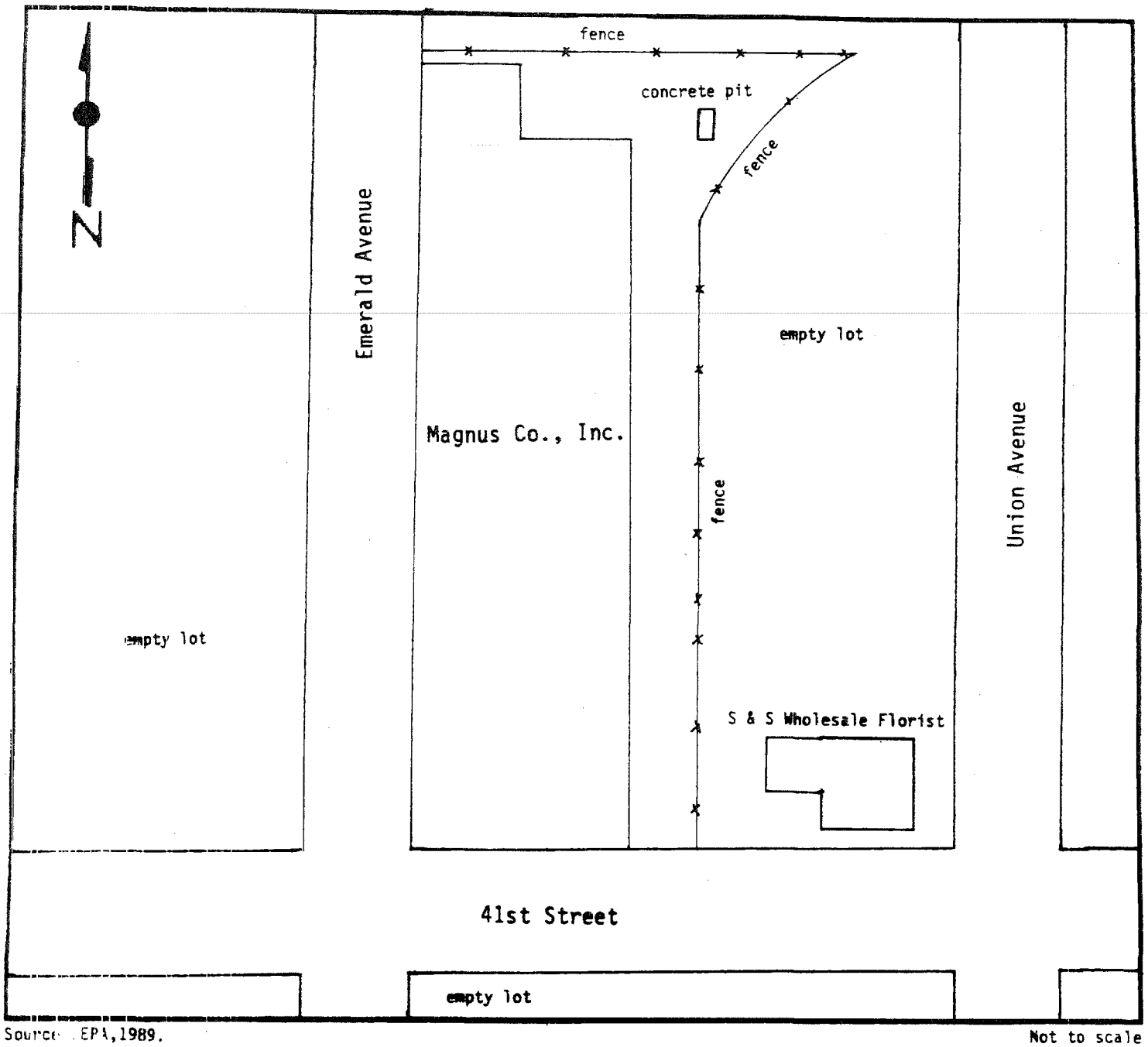
SITE LOCATION



Source IEPA,1989.Base Map: USGS 1963 Englewood, IL 7.5 Minute Quadrangle.

Not to scale

SITE MAP

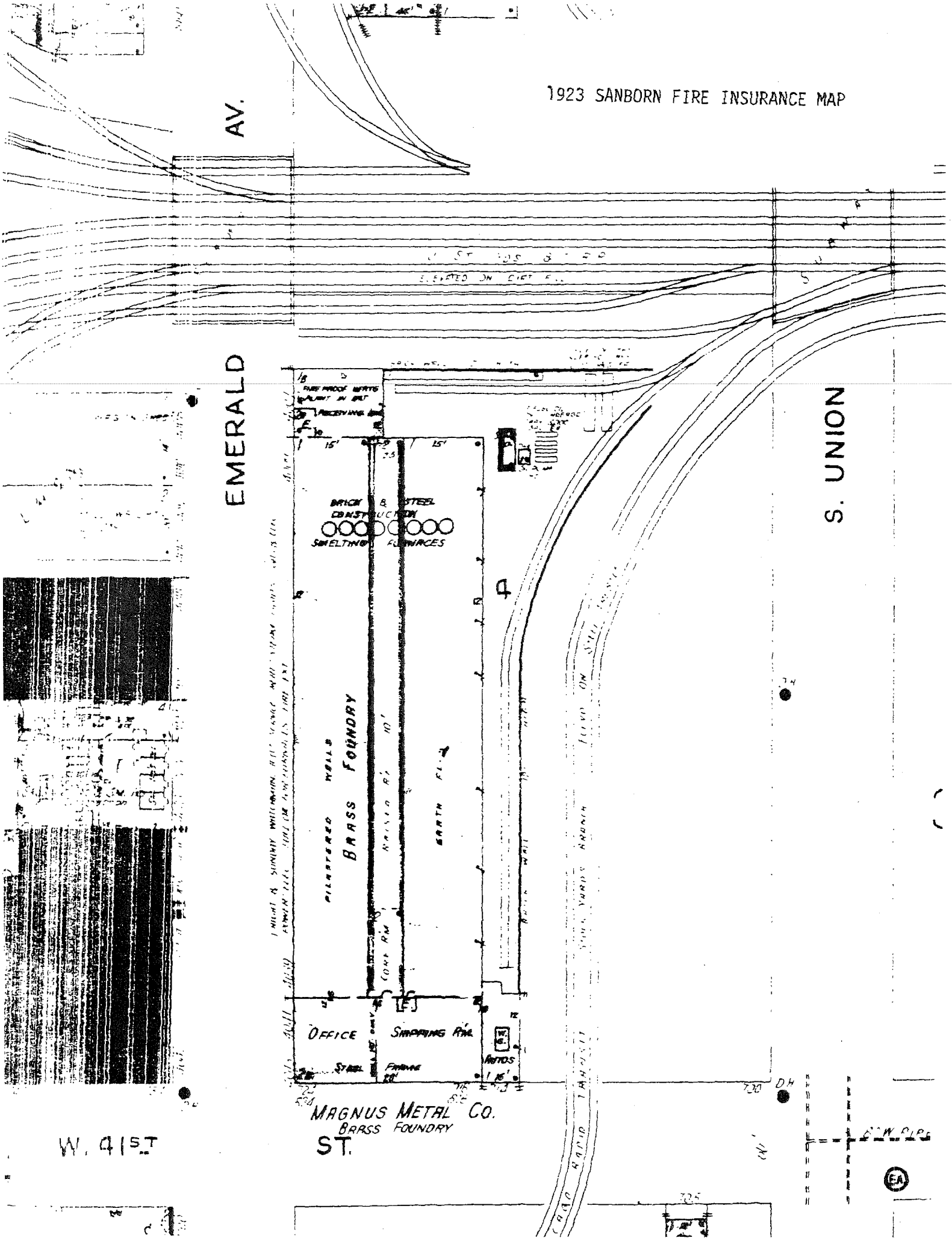


Source: EPA, 1989.

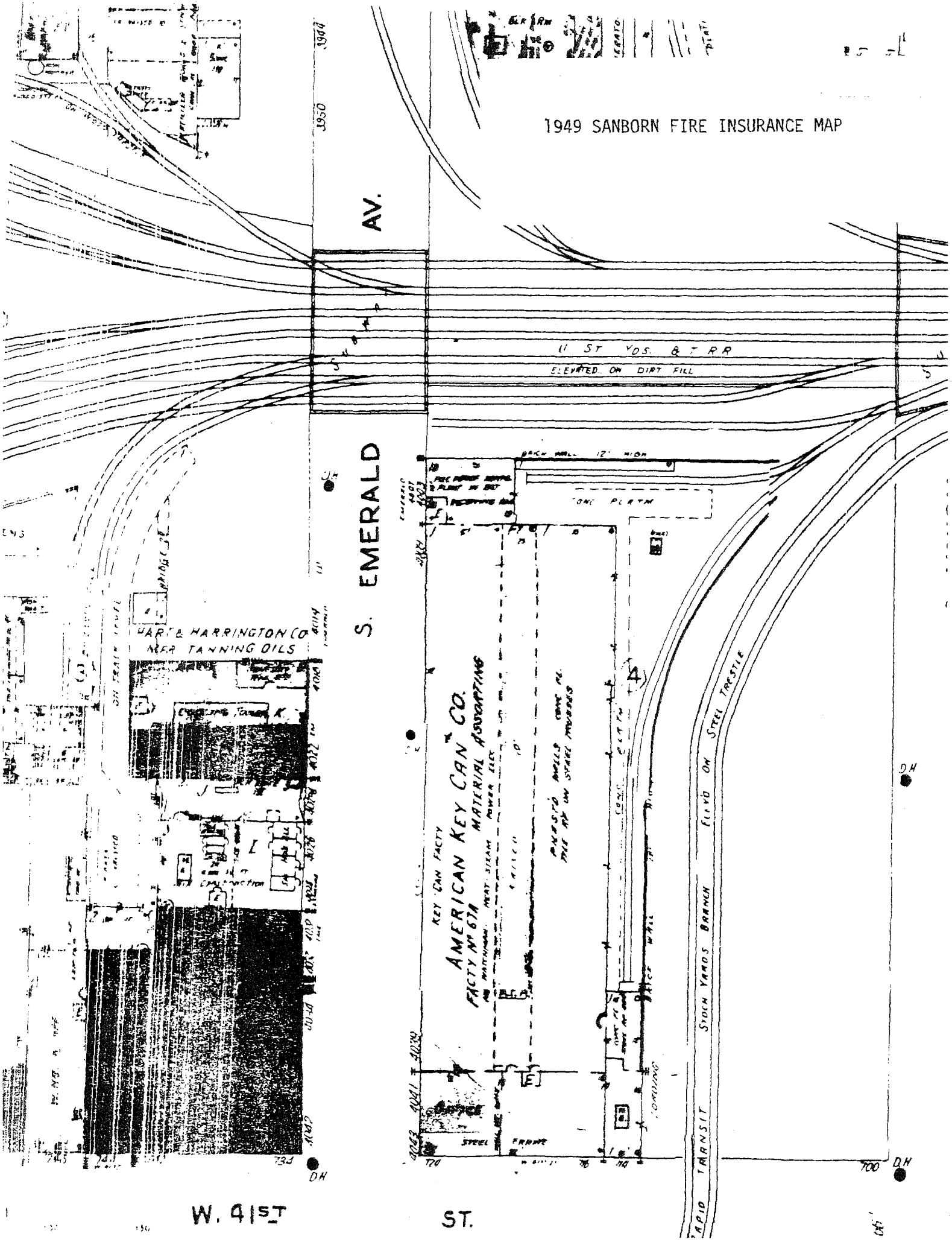
Not to scale

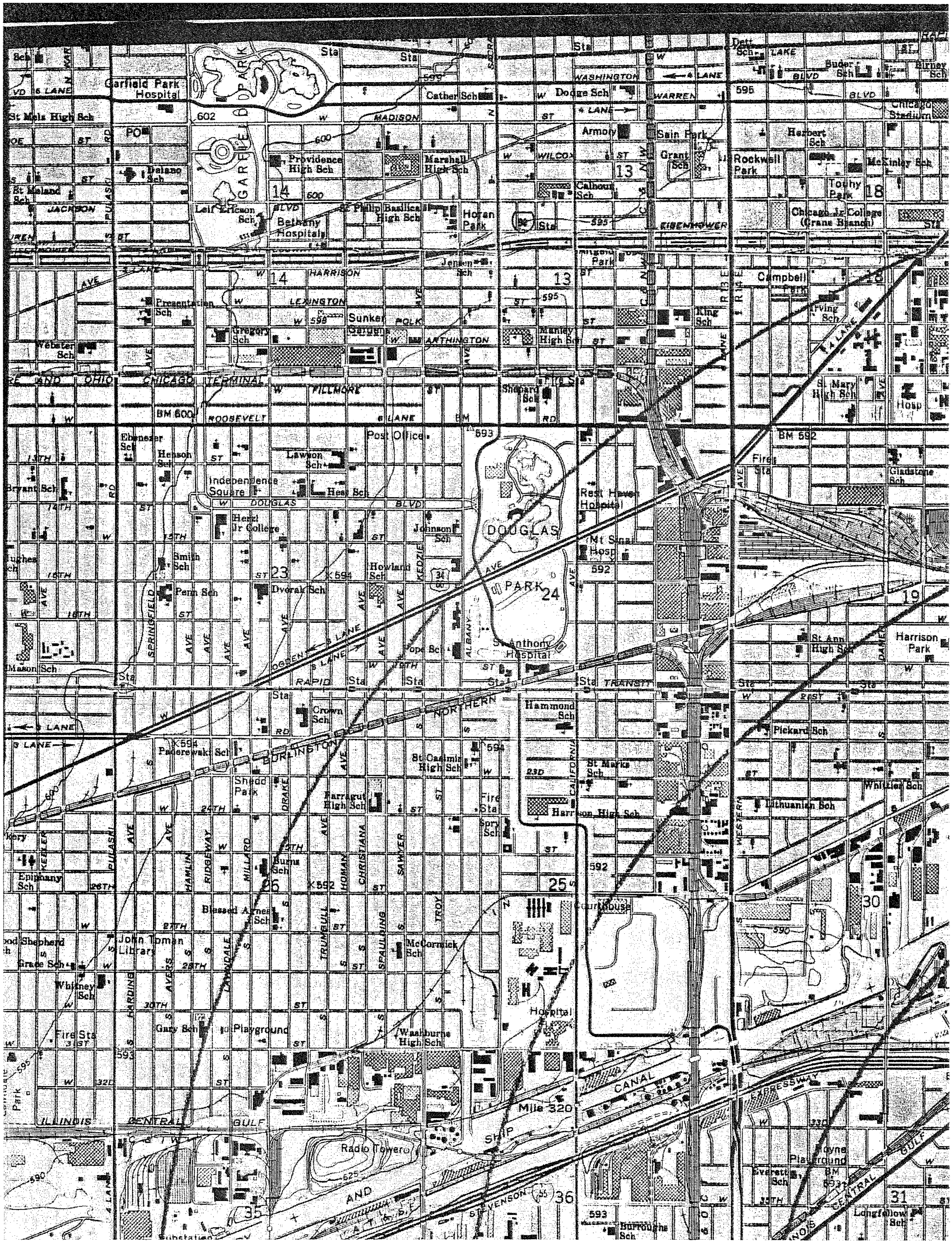
SITE FEATURES

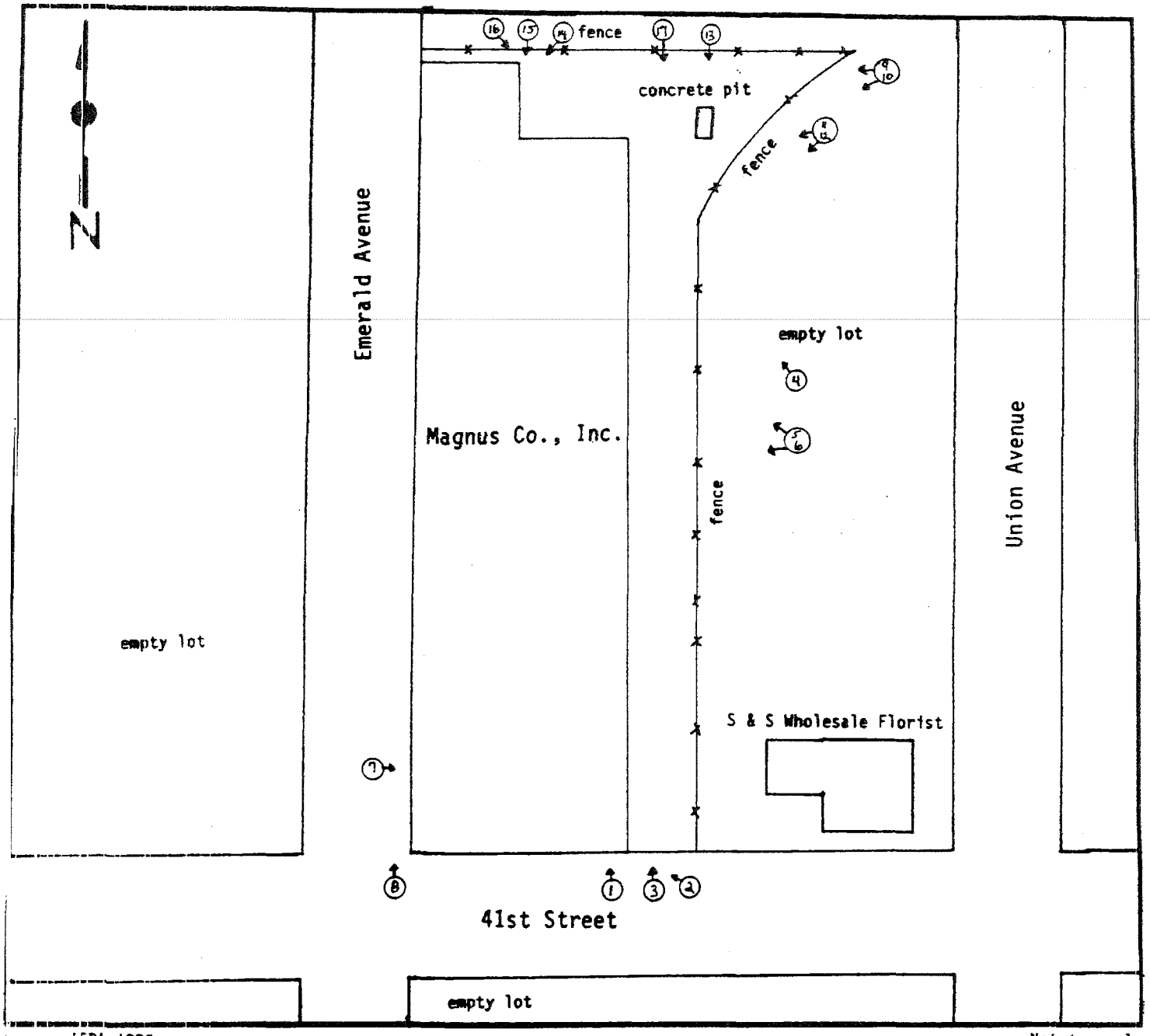
1923 SANBORN FIRE INSURANCE MAP



1949 SANBORN FIRE INSURANCE MAP




Garfield Park Hospital
GARFIELD PARK
St Mels High Sch
Delano Sch
Providence High Sch
Marshall High Sch
Cather Sch
Dodge Sch
WASHINGTON
WARREN
MADISON
Armory
Sain Park
Grant Sch
Rockwell Park
Herbert Sch
McKinley Sch
Touhy Park
Chicago Stadium
St Meland Sch
JACKSON
Leif Ericson Sch
Bethany Hospitals
St Philip Basilica High Sch
Horan Park
Calhoun Sch
EISENHOWER
Chicago Jr College (Crane Branch)
HARRISON
Jensen Sch
Campbell Park
Presentation Sch
LEXINGTON
Sunken Gardens
POLK
Gregory Sch
ARTHINGTON
Manley High Sch
King Sch
Irving Sch
Webster Sch
CHICAGO TERMINAL
FILLMORE
Shepard Sch
Fire Sta
St Mary High Sch
Hosp
ROOSEVELT
BM 600
BM 592
Ebenezer Sch
Henson Sch
Lawson Sch
Post Office
Independence Square
Hess Sch
DOUGLAS
Rest Haven Hospital
Gladstone Sch
Bryant Sch
Herzl Jr College
Johnson Sch
DOUGLAS PARK
Mt Sinai Hosp
Smith Sch
Howland Sch
Penn Sch
Dvorak Sch
St Anthony Hospital
St Ann High Sch
Harrison Park
Mason Sch
Pope Sch
OGDEN
RAPID TRANSIT
Crown Sch
NORTHERN
BURLINGTON
Hammond Sch
Pickard Sch
Paderewski Sch
St Casimir High Sch
St Marks Sch
Shedd Park
Farragut High Sch
Fire Sta
Harrison High Sch
Whittier Sch
Lithuanian Sch
Spry Sch
Burns Sch
Epiphany Sch
Blessed Agnes Sch
Courthouse
Good Shepherd
John Toman Library
Grace Sch
McCormick Sch
Whitney Sch
Gary Sch
Playground
Washburne High Sch
Hospital
Fire Sta
ILLINOIS CENTRAL GULF
SHIP CANAL
Mile 320
Radio Towers
STEVENSON
EXPRESSWAY
Everett Sch
Hoyne Playground
Longfellow Sch
Burroughs Sch
Substation
PULASKI
SPRINGFIELD
KEDZIE
ALBANY
CALIFORNIA
WESTERN
DAMEN
HAMLIN
RIDGEWAY
MILLARD
DRAKE
TRUMBULL
HOMAN
CHRISTIANA
SPAULDING
SAWYER
TROY
LAWNDALE
AVERS
HARDING
KEELER



Source: IEPA, 1989.

Not to scale

PHOTO LOCATION MAP

Date: January 12, 1989

Time: 2:30 A.M. P.M.

Photograph By:

Greg Dunn

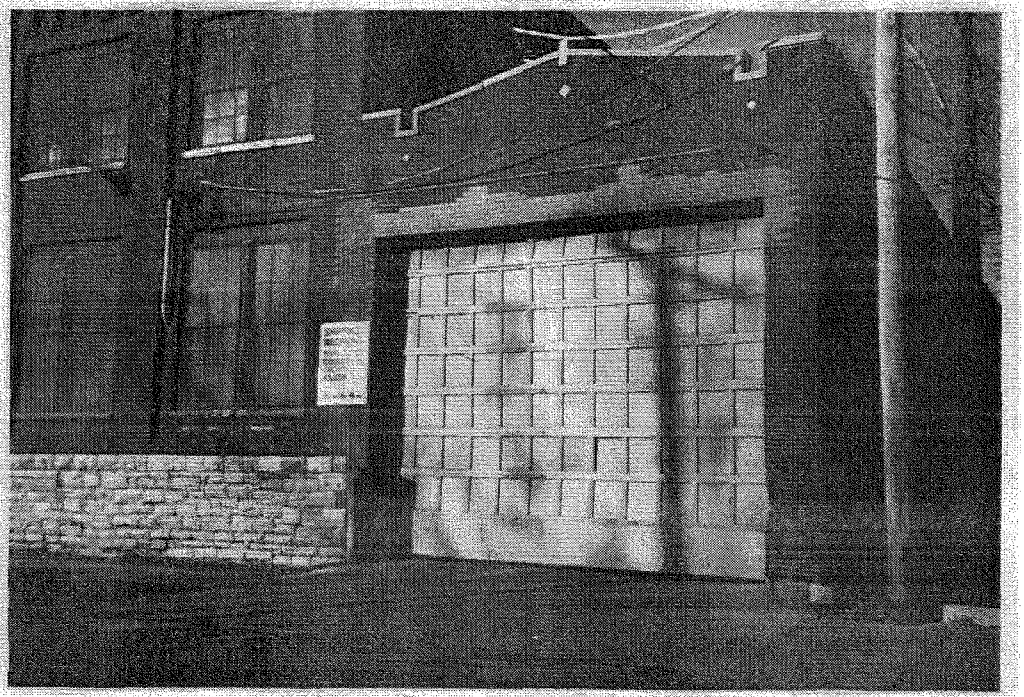
Location: LPC-0310000000

IED 984766360 - Cook Co.

Magnus Co.

Comments: Photograph taken toward the northwest at the Shipping/Receiving area

1



Date: January 12, 1989

Time: 2:30 A.M. P.M.

Photograph By:

Greg Dunn

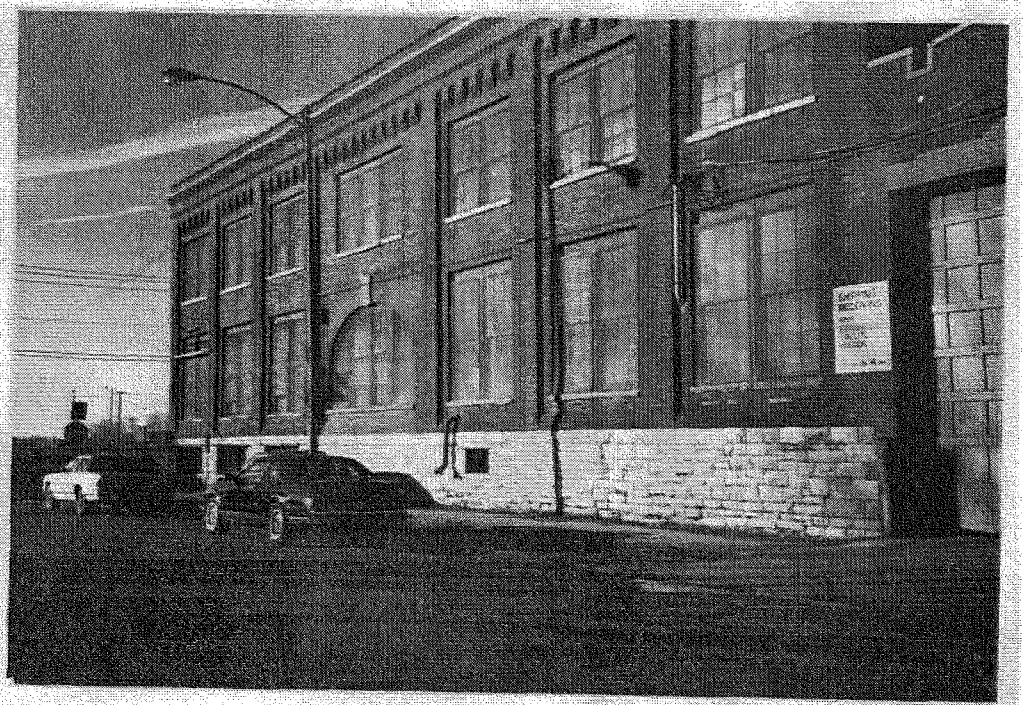
Location: LPC-0310000000

IED 984766360 - Cook Co.

Magnus Co.

Comments: Photograph taken toward the west northwest at south side of building

2



Date: January 12, 1989

Time: 2:30 A.M. P.M.

Photograph By:

Greg Dunn

Location: LPC-0310000000

JCD 984766360 - Cook Co.

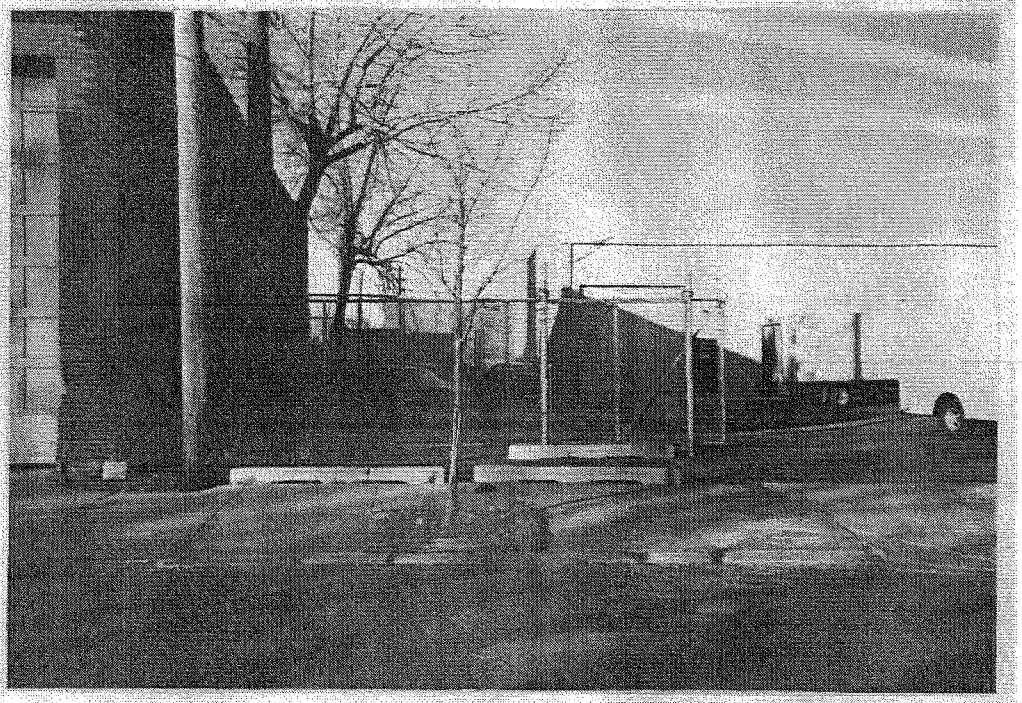
Magnus Co.

Comments: Photograph taken

toward the north at east

side of building

3



Date: January 12, 1989

Time: 2:40 A.M. P.M.

Photograph By:

Greg Dunn

Location: LPC-0310000000

JCD 984766360 - Cook Co.

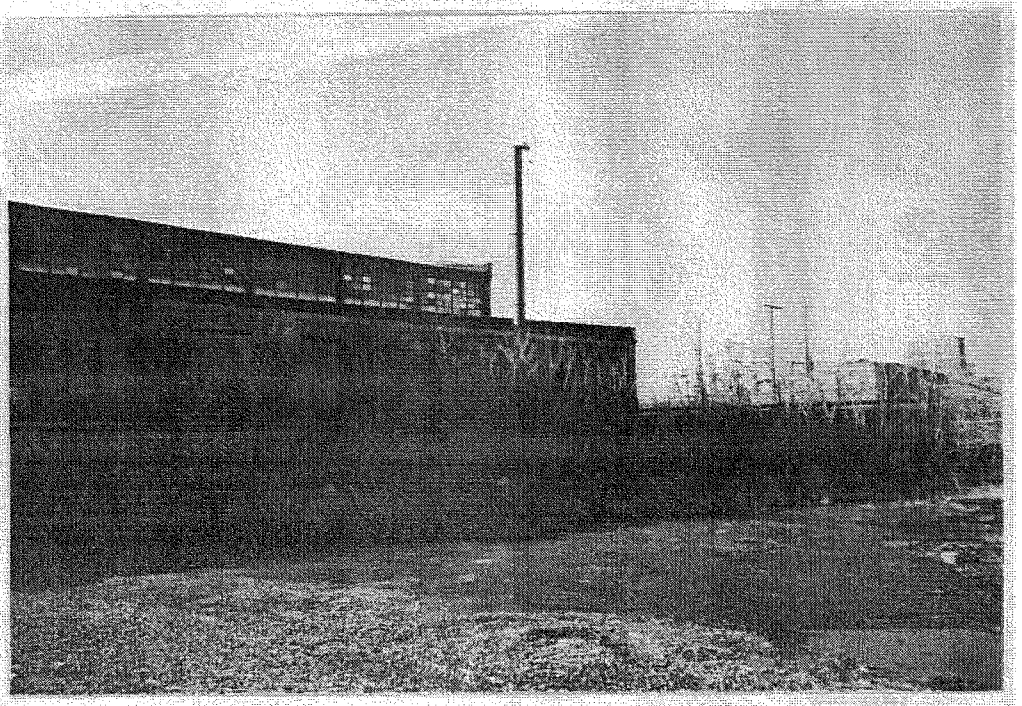
Magnus Co.

Comments: Photograph taken

toward the Northwest at

east side of building

4



Date: January 12, 1989

Time: 2:40 A.M. P.M.

Photograph By:

Greg Dunn

Location: LPC- 0310000000

ILD 984766360 - Cook Co.

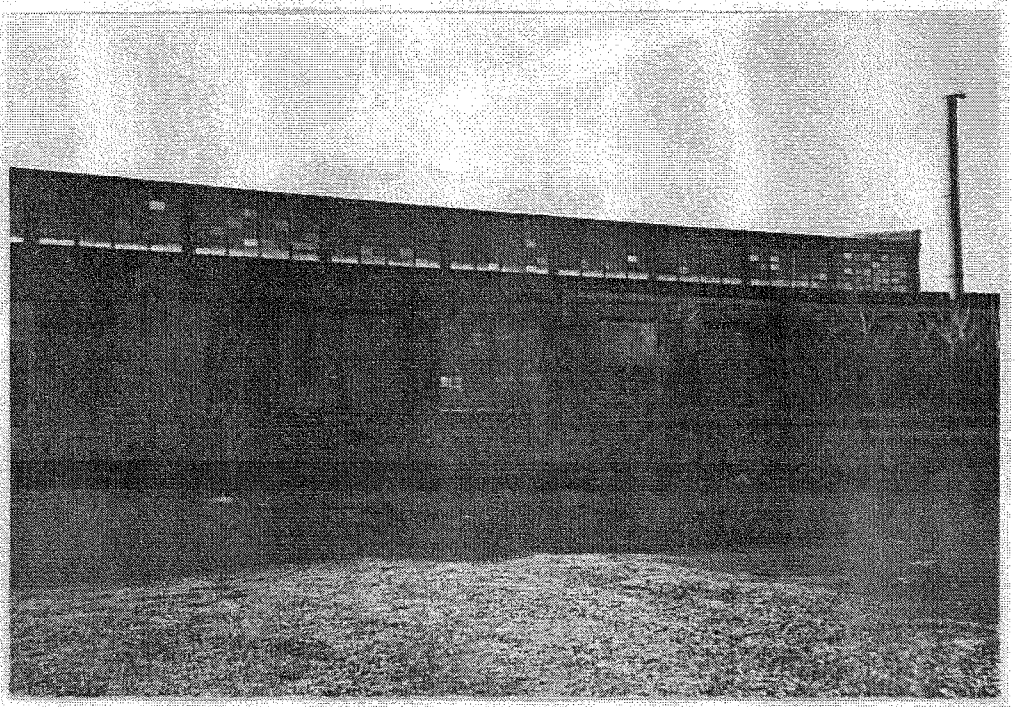
Magnus Co.

Comments: Photograph taken

toward the west northwest at

east side of building

5



Date: January 12, 1989

Time: 2:40 A.M. P.M.

Photograph By:

Greg Dunn

Location: LPC- 0310000000

ILD 984766360 - Cook Co.

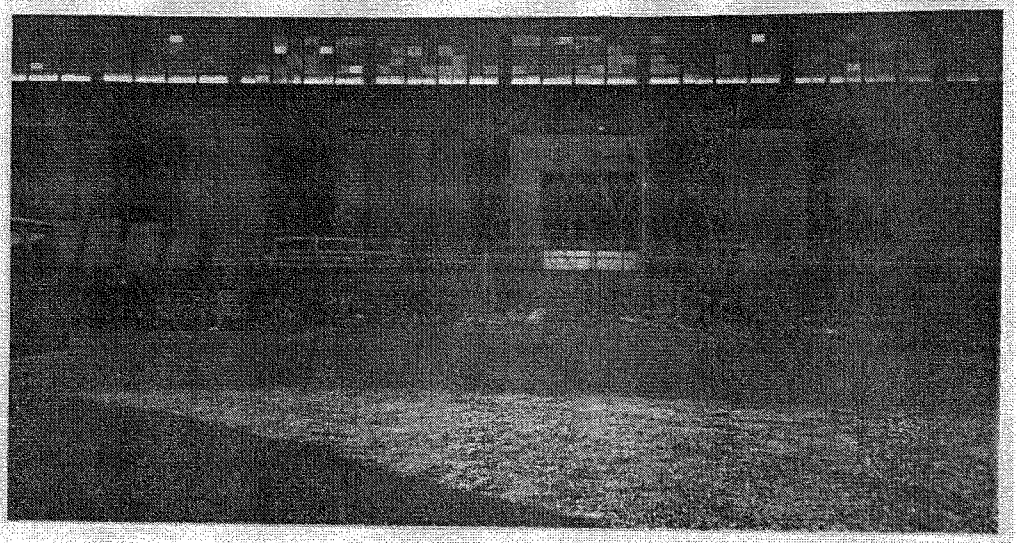
Magnus Co.

Comments: Photograph taken

toward the west at east

side of building

6



Date: January 12, 1989

Time: 2:50 A.M. P.M.

Photograph By:

Greg Dunn

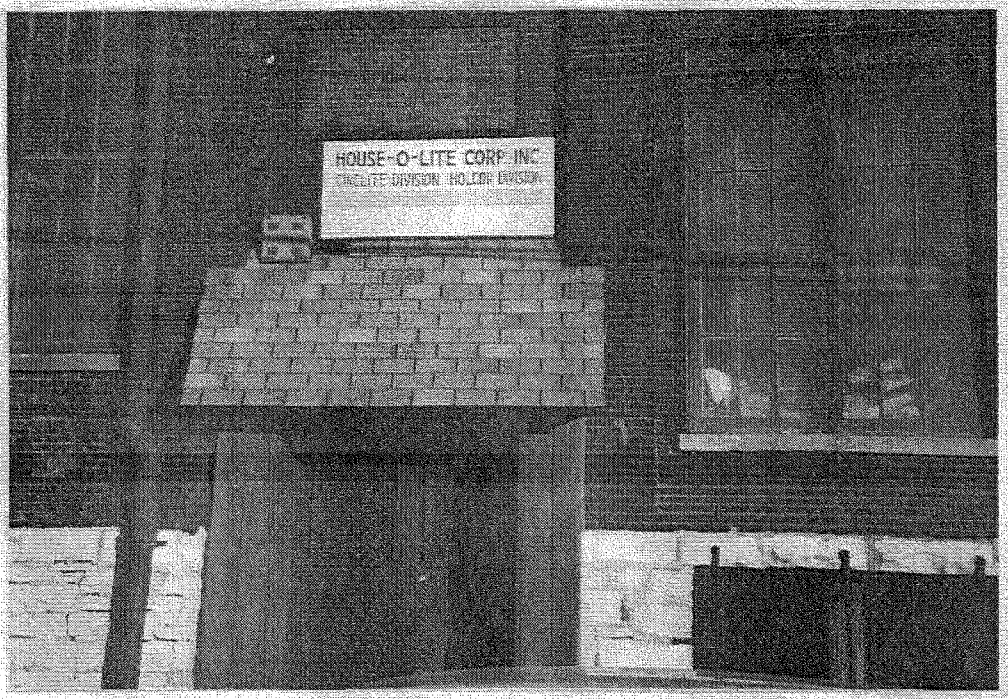
Location: LPC- 0310000000

ILD 984766360 - Cook Co.

Magnus Co.

Comments: Photograph taken toward the east at the front door of the building

7



Date: January 12, 1989

Time: 3:00 A.M. P.M.

Photograph By:

Greg Dunn

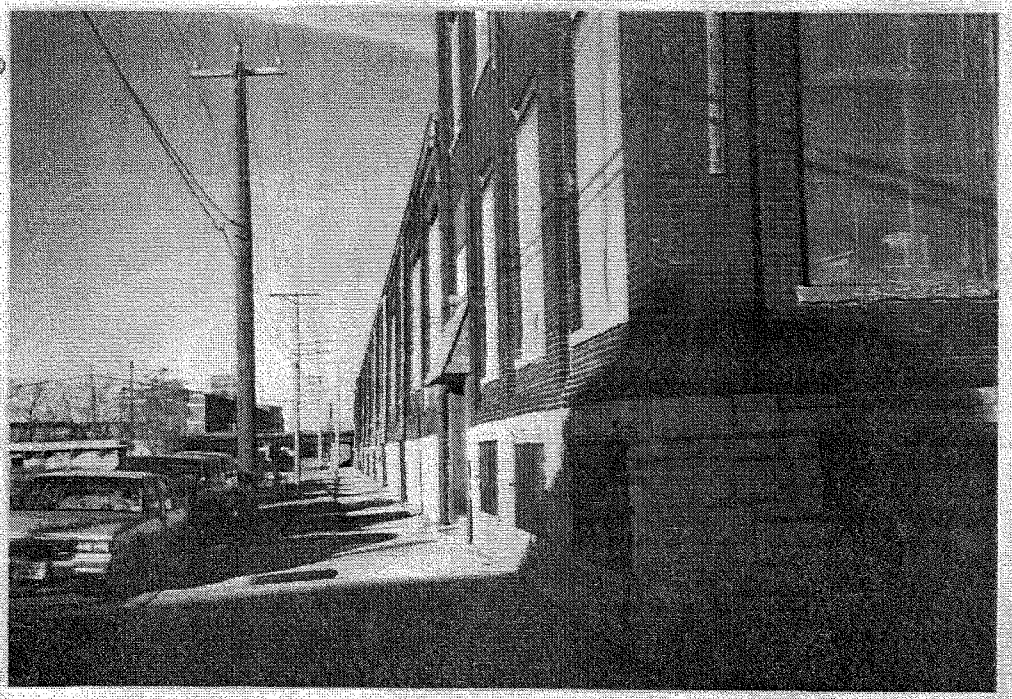
Location: LPC- 0310000000

ILD 984766360 - Cook Co.

Magnus Co.

Comments: Photograph taken toward the north looking down west side of building

8



Date: March 3, 1989

Time: 9:45 (A.M.) P.M.

Photograph By:

Greg Dunn

Location: LPC-0310000000

IID984766360 -- Cook Co.

Magnus Co.

Comments: Photograph taken

toward the west behind

the facility

(9)

Date: March 3, 1989

Time: 9:45 (A.M.) P.M.

Photograph By:

Greg Dunn

Location: LPC-0310000000

IID984766360 -- Cook Co.

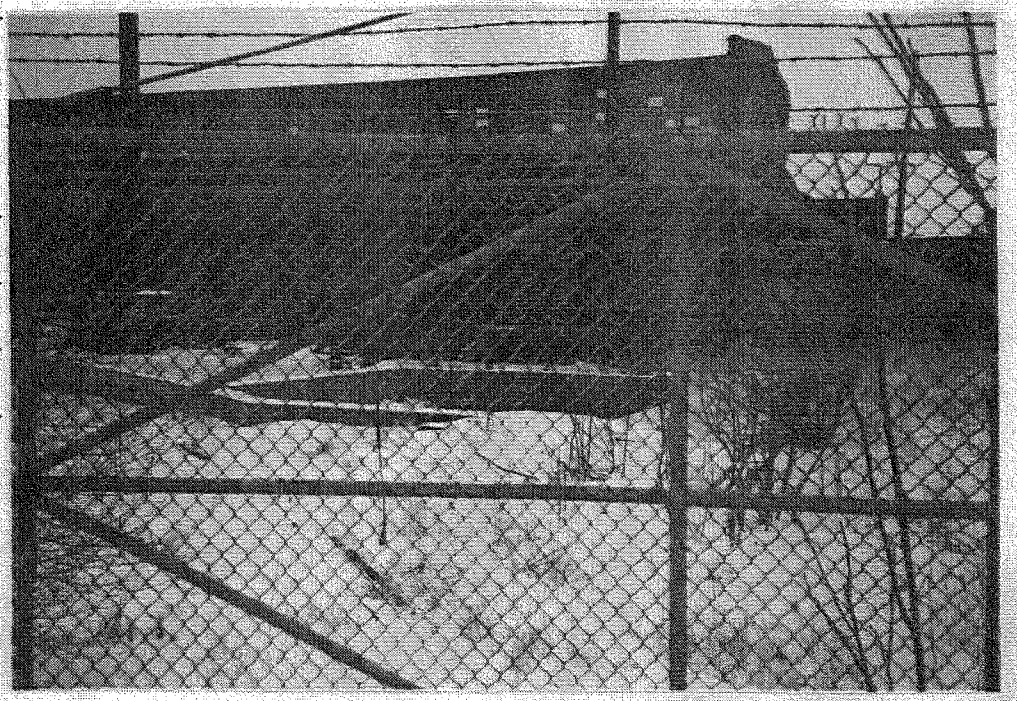
Magnus Co.

Comments: Photograph taken

toward the west southwest

toward the east side of

facility (10)



Date: March 3, 1989

Time: 9:45 (A.M.) P.M.

Photograph By:

Greg Dunn

Location: LPC-0310000000

ILD 984766360 - Cook Co.

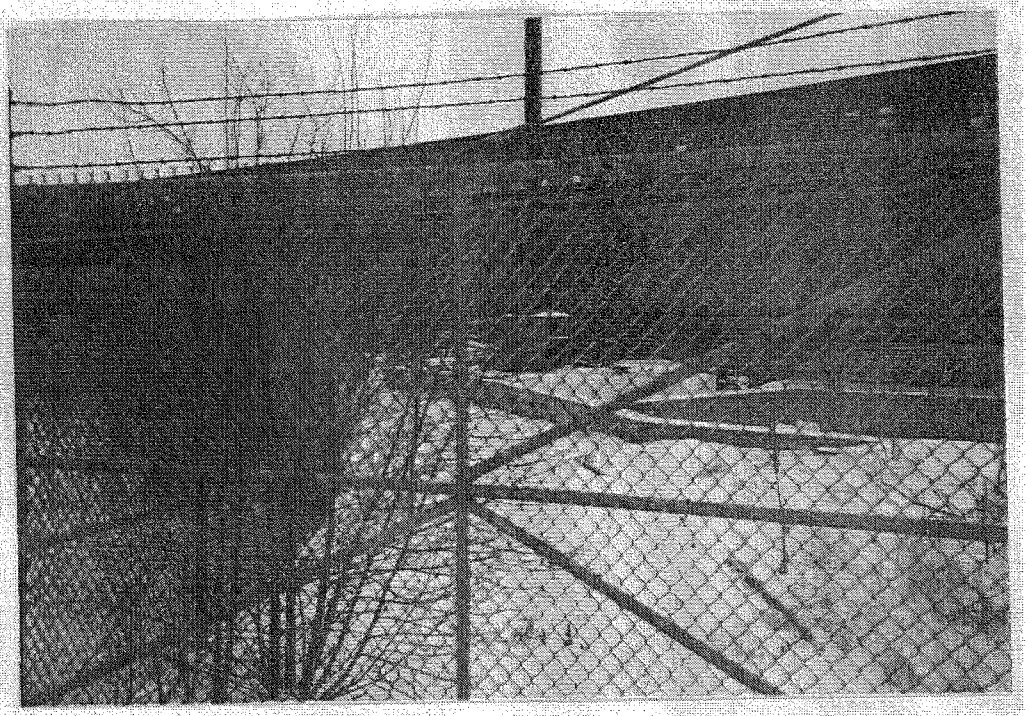
Magnus Co.

Comments: Photograph taken

toward the southwest from

east side of facility.

(11)



Date: March 3, 1989

Time: 9:45 (A.M.) P.M.

Photograph By:

Greg Dunn

Location: LPC- 0310000000

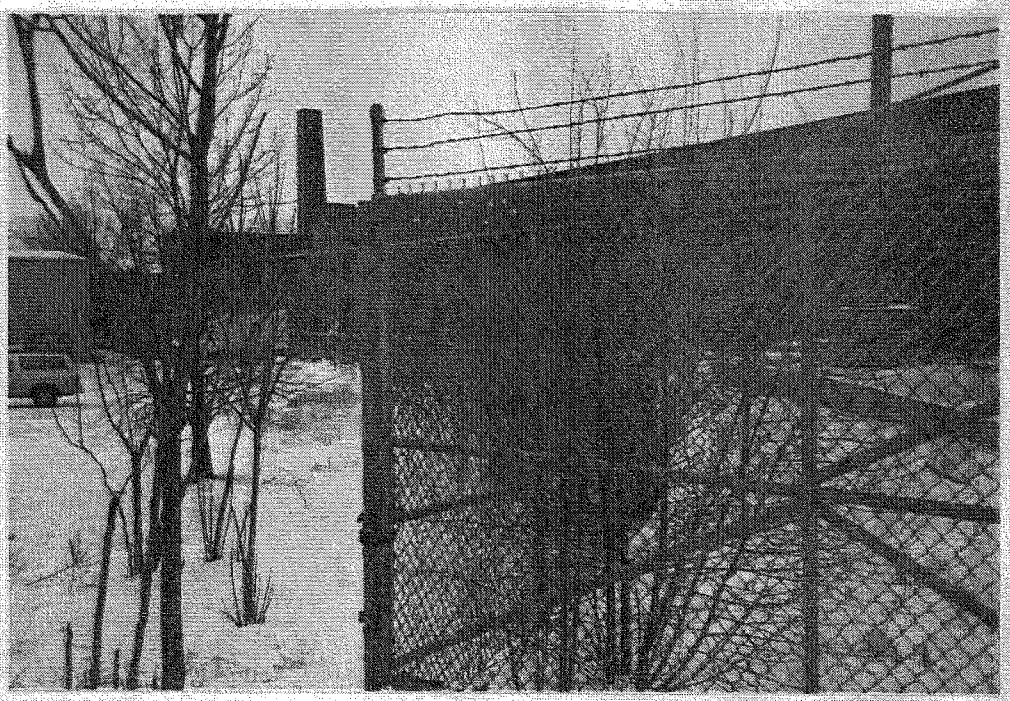
ILD 984766360 - - Cook Co.

Magnus Co.

Comments: Photograph taken

toward the south southwest

(12)



Date: March 3, 1989

Time: 9:50 (A.M.) P.M.

Photograph By:

Greg Dunn

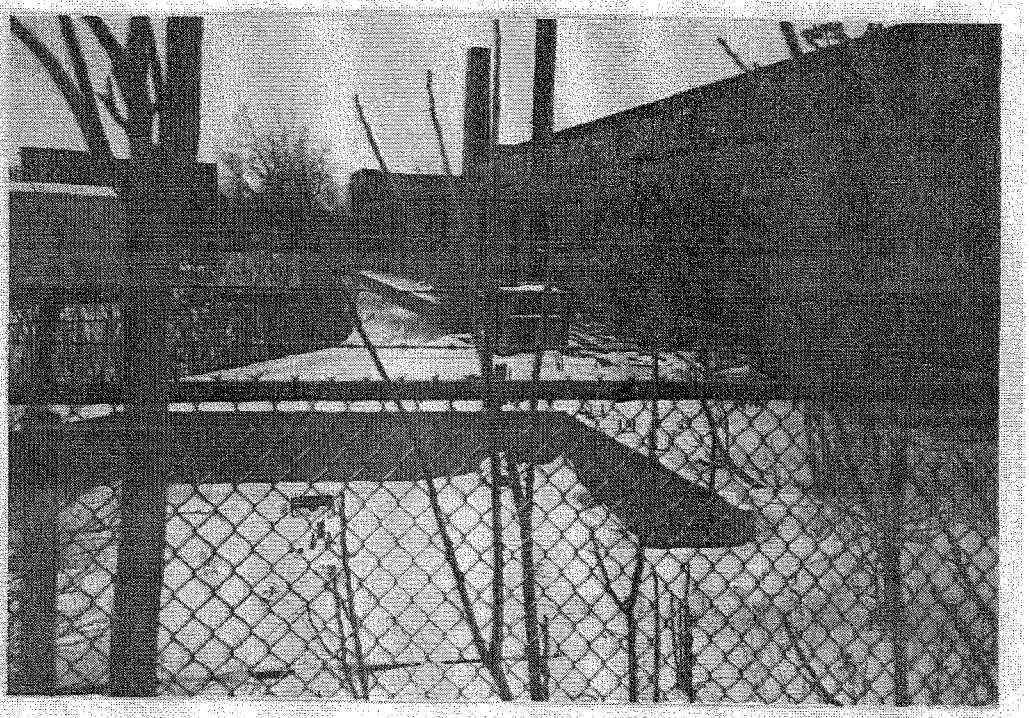
Location: LPC- 0310000000

ILD 984766360-- Cook Co.

Magnus Co.

Comments: Photograph taken toward the south from north end of facility.

13



Date: March 3, 1989

Time: 9:50 (A.M.) P.M.

Photograph By:

Greg Dunn

Location: LPC- 0310000000

ILD 984766360-- Cook Co.

Magnus Co.

Comments: Photograph taken toward the southwest at northside of facility

14

Date: March 3, 1989

Time: 9:50 (A.M.) P.M.

Photograph By:

Greg Dunn

Location: LPC- 0310000000

ID 984766360 - Cook Co.

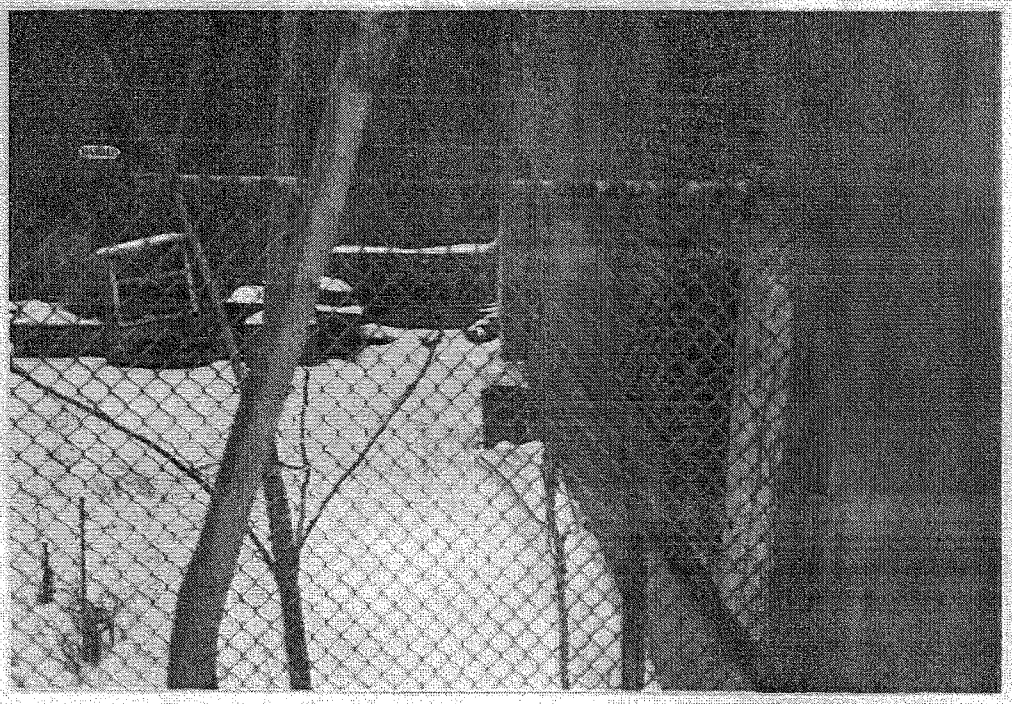
Magnus Co.

Comments: Photograph taken

toward the south of north

side of facility

15



Date: March 3, 1989

Time: 9:50 (A.M.) P.M.

Photograph By:

Greg Dunn

Location: LPC- 0310000000

ID 984766360 -- Cook Co.

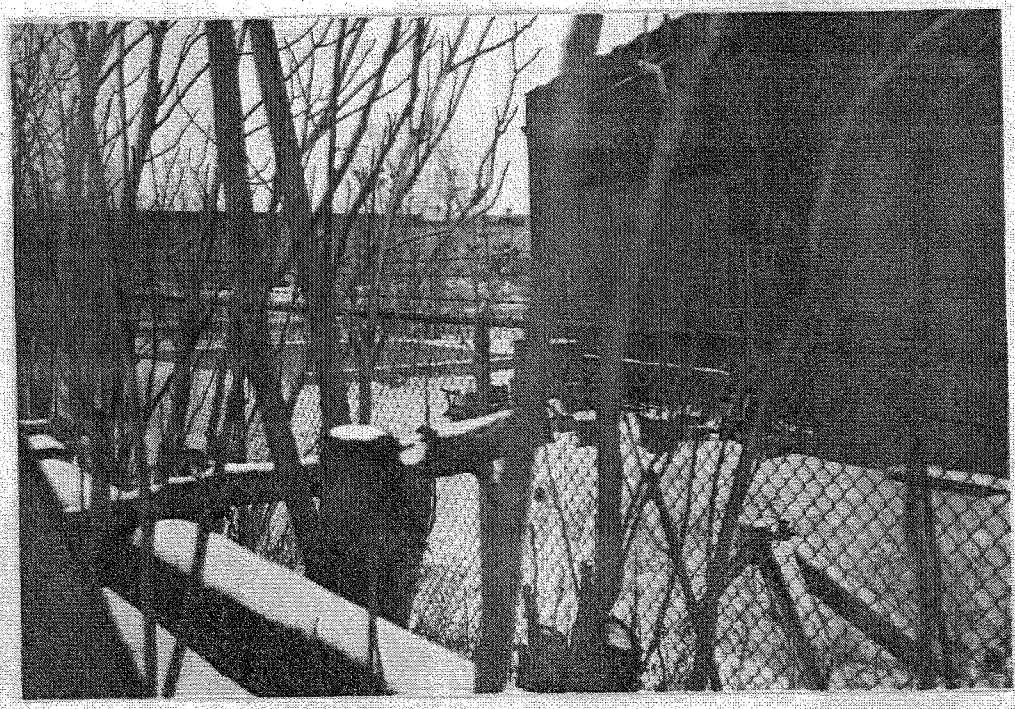
Magnus Co

Comments: Photograph taken

toward the southeast from

north side of building

16



Date: March 3, 1989

Time: 9:55 A.M. P.M.

Photograph By:

Greg Dunn

Location: LPC- 0310000000

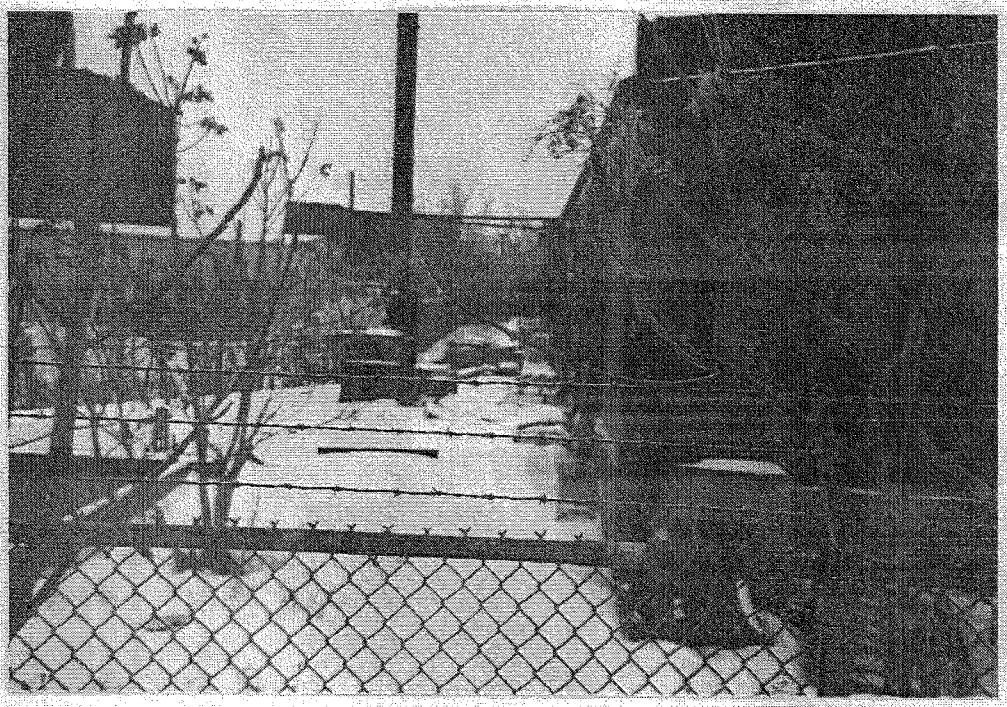
ILD 984766360 - Cook Co.

Magnes Co.

Comments: Photograph taken

toward the South

17



Date:

Time: A.M. P.M.

Photograph By:

Location: LPC-

Co.

1

Comments: Photograph taken

toward the

No Picture

Supporting

Documentation

REFERENCES

Number	
1	Filing by Magnus Company in 1915 to become a corporation.
2	Documents changing Magnus Company (Inc.) to Magnus Metal Company.
3	Filing by Magnus Metal Company in 1936 to dissolve.
4	Telephone conversation between Greg Dunn (IEPA) and John Legno (plant manager of House-O-Lite) on January 27, 1989.
5	Telephone conversation between Greg Dunn (IEPA) and H.C. Rodman (N.L. Industries) on January 27, 1989.
6	Telephone conversation between Greg Dunn (IEPA) and Eli Winkel (property owner) on March 6, 1989.
7	Illinois EPA Air Division permit for House-O-Lite Corporation to operate a cleaver-brooks boiler.
8	Illinois EPA Air Division memo to Miles Zamco from N.F. Vonesh dated August 17, 1978.
9	103 (c) Notification of Hazardous Waste Site filed by N.L. Industries for the Magnus Co., Inc. site dated June 9, 1981.
10	Well logs from area surrounding the site.

REFERENCE NUMBER 01

State of Illinois, } ss.
COOK County.

INCORPORATION FEES

$2500 or less	$30.00
$2500 to $5000	50.00
Each additional thousand .	1.00

Lewis G. Stevenson,
To ~~Harry Woods~~, Secretary of State:

We, the Undersigned, WILL H. CLARK, PAUL R. WINEGARDNER AND WILLIAM F. KENNEDY

PAID
JAN 15 1915
$50

propose to form a Corporation under an act of the General Assembly of the State of Illinois, entitled "An Act Concerning Corporations," approved April 18, 1872, and all acts amendatory thereof; and for the purpose of such organization we hereby state as follows, to wit:

1. The name of such Corporation is MAGNUS COMPANY (INCORPORATED)

2. The object for which it is formed is The manufacture and sale of metals and metal products.

3. The Capital Stock shall be Five Thousand Dollars ($5,000)

4. The amount of each share is One Hundred Dollars ($100)

5. The number of shares Fifty

6. The location of the principal office is in the City of Chicago in the County of Cook State of Illinois.

7. The duration of the Corporation shall be Ninety-Nine years.

Will H. Clark
Paul R. Winegardner
William F. Kennedy

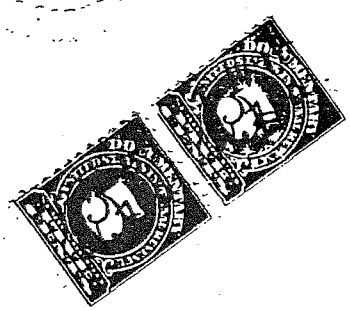
STATE OF ILLINOIS, } ss.
COUNTY OF COOK

I, WALTER FLOYDD OLDS a Notary Public in and for the County and State aforesaid, do hereby certify that on the 14 day of January A. D. 1915 personally appeared before me WILL H. CLARK, PAUL R. WINEGARDNER and WILLIAM F. KENNEDY, who are

to me personally known to be the same persons who executed the foregoing statement, and severally acknowledged that they executed the same for the purposes therein set forth.

In Witness Whereof, I have hereunto set my hand and seal, the day and year above written.

Walter Floydd Olds
Notary Public.



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ED
5 1915
Sec'y of State.

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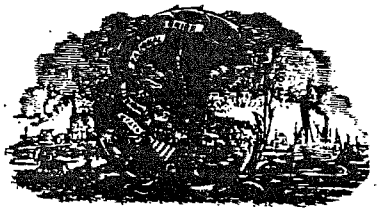
Legal News Company.

STATE OF ILLINOIS

Department  **of State**

LEWIS G. STEVENSON

~~HARRY WOODS~~, Secretary of State

To All To Whom These Presents Shall Come—Greeting:

Whereas, It being proposed by the persons hereinafter named to form a Corporation under an Act of the General Assembly of the State of Illinois, entitled, "An Act Concerning Corporations," approved April 18, 1872, in force July 1, 1872, and the amendments thereto, the object and purposes of which corporation are set forth in a statement duly signed and acknowledged according to law, and this day filed in the office of the Secretary of State;

Now, Therefore, I, LEWIS G. STEVENSON ~~HARRY WOODS~~, Secretary of State of the State of Illinois, by virtue of the power vested in and the duties imposed upon me by law, do hereby authorize, empower and license

WILL H. CLARK, PAUL R. WINEGARDNER and WILLIAM F. KENNEDY

the persons whose names are signed to the before-mentioned statement, as Commissioners to open books for subscription to the Capital Stock of MAGNUS COMPANY (INCORPORATED)

such being the name of the proposed corporation, as contained in the statement, at such times and places as the said Commissioners may determine.

In Testimony Whereof, I hereto set my hand and cause to be affixed the Great Seal of State.

Done at the City of Springfield, this Fifteenth

day of January A. D. 19 15, and of the

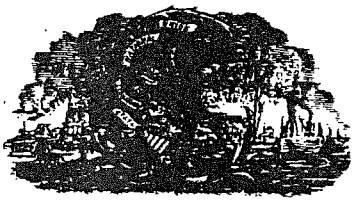
Independence of the United States the one hundred and 39th.

(002)

LEWIS G. STEVENSON
Secretary of State.

(SEAL)

STATE OF ILLINOIS

Department  **of State**

LEWIS G. STEVENSON

~~HARRY WOODS~~, Secretary of State

To All To Whom These Presents Shall Come—Greeting:

Whereas, It being proposed by the persons hereinafter named to form a Corporation under an Act of the General Assembly of the State of Illinois, entitled, "An Act Concerning Corporations," approved April 18, 1872, in force July 1, 1872, and the amendments thereto, the object and purposes of which corporation are set forth in a statement duly signed and acknowledged according to law, and this day filed in the office of the Secretary of State;

Now, Therefore, I, LEWIS G. STEVENSON ~~HARRY WOODS~~, Secretary of State of the State of Illinois, by virtue of the power vested in and the duties imposed upon me by law, do hereby authorize, empower and license

WILL H. CLARK, PAUL R. WINEGARDNER and WILLIAM F. KENNEDY

the persons whose names are signed to the before-mentioned statement, as Commissioners to open books for subscription to the Capital Stock of MAGNUS COMPANY (INCORPORATED)

such being the name of the proposed corporation, as contained in the statement, at such times and places as the said Commissioners may determine.

In Testimony Whereof, I hereto set my hand and cause to be affixed the Great Seal of State.

Done at the City of Springfield, this Fifteenth day of January A. D. 19 15, and of the Independence of the United States the one hundred and 39th.

(002)

LEWIS G. STEVENSON
Secretary of State.

(SEAL)

STATE OF ILLINOIS, }
COUNTY OF COOK } SS.

I, WALTER FLOYDD OLDS a Notary Public in and for the County and State aforesaid, do hereby certify that on the 14 day of January A. D. 19 15 personally appeared before me WILL H. CLARK, PAUL R. WINEGARDNER and WILLIAM F. KENNEDY, who are

to me personally known to be the same persons who executed the foregoing statement, and severally acknowledged that they executed the same for the purposes therein set forth.

In Witness Whereof, I have hereunto set my hand and seal, the day and year above written.

Walter F Loydd Olds
Notary Public.

NUS COMPANY
CORPORATED)

of Incorporation.

FILED
JAN 15 1915
Sec'y of State.

UBLEY, Att'y.,
ette blag.
Chicago.

by the Chicago Legal News Company.

To ~~XXXXXXXXXXXXXX~~ LEWIS G. STEVENSON,

Secretary of State of the State of Illinois:

The Commissioners, duly authorized to open Books of Subscription to the Capital Stock of MAGNUS COMPANY (INCORPORATED) pursuant to license heretofore issued, bearing date the 15th day of January A. D. 1915, do hereby report that they opened books of Subscription to the Capital Stock of said Company, and that the said Stock was fully subscribed; that the following is a true copy of such subscription, viz:

We, the undersigned, hereby severally subscribe for the number of shares set opposite our respective names, to the Capital Stock of MAGNUS COMPANY (INCORPORATED) and we severally agree to pay the said Company, for each share, the sum of 100 Dollars.

NAME	SHARES	AMOUNT
LESLIE S. GORDON	48	$4800.
CONKLING VAN COTT	1	$ 100
CHARLES H. SCHOFF	1	$ 100

That on the twenty-sixth day of January A. D. 1915, at the Room 303 Railway Exchange Building, Chicago - - - - Illinois, at the hour of Three o'clock P. M., they convened a meeting of the subscribers aforesaid, pursuant to notice required by law, which said notice was deposited in the postoffice, properly addressed to each subscriber, ten days before the time fixed therein, a copy of which said notice is as follows, to-wit:

To

You are hereby notified that the Capital Stock of

MAGNUS COMPANY (INCORPORATED)

has been fully subscribed, and that a meeting of the subscribers of such stock will be held at Room 303 Railway Exchange Building, Chicago, Illinois, - - - - - - - - on the twenty-sixth day of January A. D. 1915, at Three o'clock P. M., for the purpose of electing a Board of Directors for said Company and for the transaction of such other business as may be deemed necessary.

Signed,

WILL H. CLARK
PAUL R. WINEGARDNER
WILLIAM F. KENNEDY
} Commissioners.

That said subscribers met at the time and place in said notice specified, and proceeded to elect Directors, and that the following persons were duly elected for the term of 1 year, viz:

LESLIE S. GORDON	Chicago, Illinois.
CONKLING VAN COTT	Chicago, Illinois.
CHARLES H. SCHOFF	Chicago, Illinois.

And that the postoffice address of the business office of said Company is at Number 80 E. Jackson Boulevard ~~Street~~ in the City of Chicago in the County of Cook and State of Illinois.

Will H. Clark
Paul R. Winegardner
William F. Kennedy
} Commissioners.

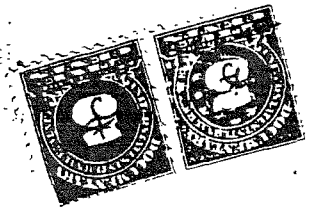
STATE OF ILLINOIS,
County of COOK } ss.

On this 26 day of January A. D. 1915, personally appeared before me, a Notary Public in and for said County, in said State

WILL H. CLARK, PAUL R. WINEGARDNER and WILLIAM F. KENNEDY

[illegible] that the foregoing report by them subscribed is true in substance and in fact.

Walter Floyd Allen Notary Public.



FILED
JAN 27 1915
Louis F. Emmerson
Secy of State.

STATE OF ILLINOIS

Department of State

LEWIS G. STEVENSON
HARRY WOODS, Secretary of State

To All to Whom these Presents Shall Come—GREETING:

WHEREAS, a **STATEMENT**, duly signed and acknowledged, has been filed in the office of the Secretary of State, on the 15th day of January A. D. 1915 for the organization of the Magnus Company (Incorporated)

under and in accordance with the provisions of "AN ACT CONCERNING CORPORATIONS," approved April 18, 1872, and in force July 1, 1872, and all acts amendatory thereof, a copy of which statement is hereunto attached;

AND WHEREAS, a **LICENSE** having been issued to Will H. Clark, Paul R. Winegardner and William F. Kennedy

as Commissioners to open books for subscription to the Capital Stock of said Company;

AND WHEREAS, the said Commissioners have, on the 24th day of January A. D. 1915, filed in the office of the Secretary of State a report of their proceedings under the said License, a copy of which report is hereunto attached;

LEWIS G. STEVENSON

Now, Therefore, I, HARRY WOODS, Secretary of State of the State of Illinois, by virtue of the powers vested in me by law, do hereby certify that the said

Magnus Company (Incorporated)

is a legally organized Corporation under the laws of this State.

In Testimony Whereof, I hereto set my hand and cause to be affixed the Great Seal of State.

Done at the City of Springfield, this 24th day of January A. D. 1915, and of the Independence of the United States the one hundred and 39th

Seal

LEWIS G. STEVENSON

Secretary of State.

REFERENCE NUMBER 02

PAID
JAN 28 1916
$

CHICAGO, ILLINOIS, JANUARY 27, 1916.

IT IS HEREBY CERTIFIED that at a special meeting of the stockholders of Magnus Company (Incorporated), an Illinois corporation, duly held at the principal office of said company at 4041 Emerald Avenue, Chicago, Illinois, at 4:15 o'clock P. M., Thursday, January 27, 1916, the following question was submitted to the stockholders for their action:

1317
53025

> RESOLVED that the name of this Company be and it hereby is changed from Magnus Company (Incorporated) to Magnus Metal Company.

which resolution was adopted by the stockholders, all of the stock of the Company being represented at such meeting and there being voted in favor of the aforesaid resolution.

IN WITNESS WHEREOF, the said Magnus Company (Incorporated) has caused this certificate to be signed in its corporate name by its President and its corporate seal to be affixed hereto attested by its Secretary, the day and year first above written.

MAGNUS COMPANY (INCORPORATED)
BY Conkling Van Cott
President

Attest:
Chas H Schoff
Secretary

STATE OF ILLINOIS)
: SS
COUNTY OF COOK)

CONKLING VANCOTT, being duly sworn, on oath states that he is President of Magnus Company (Incorporated); that he has read the foregoing certificate, has subscribed the same, knows the contents thereof and that the facts therein stated are true.

Conkling Van Cott

SUBSCRIBED and sworn to before me this 27th day of January, A. D. 1916.

Walter F. Lloyd Wells
NOTARY PUBLIC

REFERENCE NUMBER 03

Certificate Number 2652

STATE OF ILLINOIS
OFFICE OF THE SECRETARY OF STATE

To all to whom these Presents Shall Come, Greeting:

Whereas, Articles of dissolution duly signed and verified of MAGNUS METAL COMPANY have been filed in the Office of the Secretary of State on the 10th day of November A.D. 19 36, as provided by "THE BUSINESS CORPORATION ACT" of Illinois, in force July 13, A.D. 1933.

Now Therefore, I, EDWARD J. HUGHES, Secretary of State of the State of Illinois, by virtue of the powers vested in me by law, do hereby issue this certificate of dissolution and attach thereto a copy of the Articles of dissolution of the aforesaid corporation.

In Testimony Whereof, I hereto set my hand and cause to be affixed the Great Seal of the State of Illinois,

Done at the City of Springfield this 10th day of November A.D. 19 36 and of the Independence of the United States the one hundred and 61st.

Edward J. Hughes

SECRETARY OF STATE.

(8216—20M—7-36)

Date Paid 11/10/36
Filing Fee $ 100
Clerk UEL

Form F.

(These articles to be filed in triplicate.)

ARTICLES OF DISSOLUTION PURSUANT TO SECTION 80 OF "THE BUSINESS CORPORATION ACT"

OF

MAGNUS METAL COMPANY

To EDWARD J. HUGHES,
Secretary of State,
Springfield, Illinois.

1204 NOV 10 '36 10

The undersigned corporation, for the purpose of dissolving, and pursuant to the provisions of "The Business Corporation Act" of the State of Illinois relating to the dissolution of said corporation, ~~hereby~~ executes the following articles of dissolution:

Article 1. Name of corporation is Magnus Metal Company

Article 2. On the 4th day of November, A. D. 19 36, the corporation filed with the Secretary of State, and on the 9th day of November A. D. 19 36, with the Recorder of Deeds of the County in which the registered office of the corporation is situated, a statement of intent to dissolve.

"Article 3. All debts, obligations and liabilities of the corporation have been paid and discharged, or that adequate provision has been made therefor.

"Article 4. All the remaining property and assets of the corporation have been distributed among its shareholders in accordance with their respective rights and interests.

"Article 5. There are no suits pending against the corporation in any court.

IN WITNESS WHEREOF, the undersigned corporation has caused these articles to be executed in its name by its _____ President and its corporate seal to be hereto affixed, attested by its _____ Secretary this 9th day of November, A. D. 1936.

MAGNUS METAL COMPANY

By C H Griffiths

Its President ~~or Vice President~~

(CORPORATE SEAL)

Attest: F. J. Backlin

Its Secretary ~~(or Assistant Secretary)~~

STATE OF ILLINOIS, }
COUNTY OF COOK, } ss.

I, B. E. LYON, a Notary Public, do hereby certify that on the 9th day of November, A. D. 1936, C. H. GRIFFITHS, President, (PRESIDENT OR VICE-PRESIDENT) personally appeared before me and being first duly sworn by me acknowledged that he signed the foregoing document in the capacity therein set forth and declared that the statements therein contained are true.

IN WITNESS WHEREOF, I have hereunto set my hand and seal the day and year before written.

B E Lyon

Notary Public

Form F.

Box 1317 File 83054

ARTICLES OF DISSOLUTION

Pursuant to Section 80 of "The Business Corporation Act"

OF

MAGNUS METAL COMPANY.

*NOTE: Nothing should be inserted in Articles 3, 4 and 5 of the Articles of Dissolution as these are statements of fact required under the Statute.

FILED

NOV 10 1936

Edward J. Hughes

Sec'y. of State.

Filing Fee $1.00.

(32131) 7

Form E.

Date Paid 11-4-36
Filing Fee $ 1.
Clerk A. C. M.

(To be filed in duplicate.)

STATEMENT OF INTENT TO DISSOLVE BY VOLUNTARY ACTION OF THE CORPORATION PURSUANT TO SECTION 76 OF "THE BUSINESS CORPORATION ACT"

RECEIVED
PAGE LINE
1196 NOV -5 '36 9

OF

MAGNUS METAL COMPANY

To EDWARD J. HUGHES,
Secretary of State,
Springfield, Illinois.

Edward J. Hughes
Secretary of State

The undersigned corporation, for the purpose of dissolving the corporation, and pursuant to the provisions of Section 76 of "The Business Corporation Act" of the State of Illinois, hereby executes the following statement of intent to dissolve.

Article 1. The name of the corporation is Magnus Metal Company

Article 2. The names and respective addresses, including street and number, if any, of its officers are:

	Name	Number	Street	City	State
President:	C.H.Griffiths	---		New York	N. Y.
VicePrest:	J.M.Fabian	---		New York	N. Y.
Treasurer:	W.G.Smith			Chicago	Ill.
Secretary:	F.J.Backlin			Chicago	Ill.
Comptroller:	W.V.Burley			New York	N. Y.
Asst.Treas.	P.H.Robinson			Chicago	Ill.

Article 3. The names and respective addresses, including street and number, if any, of its directors are:

Name	Number	Street	City	State
	---		New York	N. Y.
			Chicago	Ill.
			Chicago	Ill.

Article 4. A copy of the resolution of the shareholders authorizing the voluntary dissolution of the corporation is as follows:

"RESOLVED, that this corporation dissolve voluntarily."

Article 5. The number of shares of the corporation outstanding at the time of adoption of said resolution authorizing the voluntary dissolution of the corporation was:

Class	Number of Shares
	3,000

Article 6. The number of shares voting for said resolution authorizing the voluntary dissolution of the corporation was 3,000; and the number of shares voting against said resolution authorizing the voluntary dissolution of the corporation was: None.

Class	Number of Shares For	Number of Shares Against
	3,000	0

IN WITNESS WHEREOF, the undersigned corporation has caused this statement to be executed in its name by its _____ President, and its corporate seal to be hereto affixed, attested by its _____ Secretary, this 2d day of November, 1936.

MAGNUS METAL COMPANY

(CORPORATE SEAL)

By C. H. Griffiths
Its President

Attest:
F. J. Backlin
By Its Secretary

STATE OF ILLINOIS,
COUNTY OF COOK, } ss.

I, B. E. LYON, a Notary Public, do hereby certify that on the 2nd day of November, A. D. 1936, C. H. Griffiths President (President or Vice-President) personally appeared before me and being first duly sworn by me acknowledged that he signed the foregoing document in the capacity therein set forth and declared that the statements therein contained are true.

IN WITNESS WHEREOF, I have hereunto set my hand and seal the day and year before written.

B E Lyon
Notary Public

Form E.

Box 1317 File 83054

Statement of Intent to Dissolve by Voluntary Action of the Corporation pursuant to Section 76 of "The Business Corporation Act"

OF

MAGNUS METAL COMPANY

FILED
NOV - 4 1936
Edward J. Hughes
Sec'y. of State.

Filing Fee $1.00.

TO BE FILED IN DUPLICATE.

Please read instructions on back of report before attempting to execute.

Date 9-27-33

Filing Fee $ 1 —

Clerk

107746

Certificate of Designation of Registered Office and Registered Agent by Foreign and Domestic Corporations.

State of ILLINOIS, } ss.
COOK County

To EDWARD J. HUGHES,
Secretary of State,
Springfield, Illinois.

The undersigned corporation, organized and existing under the laws of the State of ILLINOIS, for the purpose of designating a registered office and registered agent, as required by the provisions of "The Business Corporation Act," of Illinois, represents that:

1. The name of the corporation is MAGNUS METAL COMPANY.

2. Its registered office is 80 East Jackson Boulevard, Chicago, Illinois.
Number Street City State

3. The name of its registered agent is F. A. CROFT,

whose address is the same as that of its registered office.

4. Such designation was authorized by resolution duly adopted by the board of directors.

IN WITNESS WHEREOF, the undersigned corporation has caused this report to be executed in its name by its President attested by its Secretary, this 28th day of August, A. D. 19 33.

MAGNUS METAL COMPANY,

(Corporate Seal)

By W H Croft
Its President (or ~~Vice President~~)

Attest:
F. J. Backlin
Its Secretary (or ~~Assistant Secretary~~)

State of ILLINOIS,
County of COOK. } ss.

I, Florence Raskinski a Notary Public, do hereby certify that on the 28th day of August, A. D. 19 33, personally appeared before me W. H. Croft who declares he is President of the corporation, executing the foregoing document, and being first duly sworn, acknowledged that he signed the foregoing document in the capacity therein set forth and declared that the statements therein contained are true.

IN WITNESS WHEREOF, I have hereunto set my hand and seal the day and year before written.

Florence Raskinski
Notary Public

(Notarial Seal)

My Commission Expires June 6, 1934

Box 317 File 019

CERTIFICATE OF DESIGNATION OF REGISTERED OFFICE AND REGISTERED AGENT of MAGNUS METAL COMPANY.

Filing Fee $1.00.

NOTICE

This certificate must be filed in duplicate. The corporation cannot act as its own registered agent.

The registered office may be, but need not be, the same as the place of business of the corporation, but the registered office and the registered address of the agent must be the same.

Any subsequent change in the registered office or agent must be immediately reported to the Secretary of State on blanks furnished for that purpose.

FILED
SEP 29 1933
Secretary of State.

REFERENCE NUMBER 04

STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY

TELEPHONE CONVERSATION RECORD

Cook
COUNTY

LPC
DIVISION

Magnus Co. Inc.

L031000000
I. D. or FILE NO ILD987766 3

Re: Magnus Co. Inc. located at 4041 Emerald Ave Chicago, IL

Conversation with: Mr. John Legno (312) 376-9780

(X) I Called Party ( ) Party Called Me DATE 01/27/89 TIME 9:45 am

( ) Complainant ( ) Violator ( ) Public Inquiry ( ) Partitioner

What I Said:	What Other Party Said:
① I need some information on your facility, my name is Greg Dunn with the IEPA. When did you acquire the building?	② October 1973.
③ Do you know who you bought it from?	④ I can't really remember, I know it was used for storage and maybe some light assembly
⑤ What is the operation at the facility?	⑥ We fabricate and process fluorescent light fixtures
⑦ Anything else you can tell me?	⑧ If you could wait a minute! .... I believe his name was Stowier and he was near bankruptcy. Is there a problem here?
⑨ I don't think so looking back at similar Magnus sites, but I can't be sure.	⑩ I just don't want anything to happen to me or my employees. Would you be able to come to the plant and look inside?
⑪ The next time I'm in Chicago I will stop by. Thank You.	⑫ Thank You.

use reverse side if necessary

Signature

EPS I
Title

IL 532-0727
EPA 129 (Rev. 1/81)

REFERENCE NUMBER 05

STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY

TELEPHONE CONVERSATION RECORD

Cook
COUNTY

LPC
DIVISION

Magnus Co. Inc.

LPC 0310000000
I. D. or FILE NO ILD984766636

Re: Magnus Co., Inc. located at 4041 Emerald Ave. Chicago, IL

Conversation with: H.C. Rodman NL Industries, Inc (609) 443-2410

(X) I Called Party ( ) Party Called Me DATE 01/27/89 TIME 9:50 Am

( ) Complainant ( ) Violator ( ) Public Inquiry ( ) Partitioner

What I Said:	What Other Party Said:
① Is Mr. Baser in today?	② Mr. Baser has retired, I am H.C. Rodman, can I help you?
③ I'm Greg Dixon with the IEPA and I am looking at a site in Chicago at 4041 Emerald Avenue called Magnus Co. Do you know anything about it?	④ I helped Mr. Baser in filing notifications for all the Magnus Sites. The Magnus Company sites made railway car bearings and were located near railroad tracks. These sites were usually very small operations.
⑤ Any kind of waste at the site?	⑥ We filed the Notifications as a precaution because the bearings were made out of lead alloys. Most operations had lead skimmings piles located in the plant.
⑦ Thank You for your help.	

use reverse side if necessary

Gregory W. D

Signature

EPS I

Title

IL 532-0727
EPA 129 (Rev. 1/81)

REFERENCE NUMBER 06

STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY

TELEPHONE CONVERSATION RECORD

Cook
COUNTY

LPC
DIVISION

Magnus Co. Inc.

LPC 0310000000
I. D. or FILE NO. ILD984771463

Re: Magnus Co. now House-O-Lite at 4041 Emerald Avenue

Conversation with: Mr. Eli Winkel (312) 334-5933

(X) I Called Party ( ) Party Called Me DATE 03/06/89 TIME 11:00 am

( ) Complainant ( ) Violator ( ) Public Inquiry ( ) Partitioner

What I Said:	What Other Party Said:
(Introduced myself) ① I talked with John Legno of House-O-Lite and he said that you lease the building to him.	① Yes, American Can built the building in 1902.
	② I bought the building from Russ Stonier, Inc 1375 Merchandise Mart Chicago, Il I believe he went bankrupt.
② Who did you buy it from?	
③ When did you buy the building?	③ 1974 or 1975, I can't remember which year.
④ How long have you been leasing to House-O-Lite?	④ Started leasing to them in 1975. Is there a problem there?
⑤ From the information I have at this moment, I don't believe there is a problem.	⑤ If you need anything else just call me.
⑥ Thanks.	

use reverse side if necessary

Gregory M. [illegible]
Signature

EPS II
Title

IL 532-0727
EPA 129 (Rev. 4/81)

STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF AIR POLLUTION CONTROL
2200 CHURCHILL ROAD
SPRINGFIELD, ILLINOIS 62706

REFERENCE NUMBER 07

APPLICATION FOR A PERMIT (A) ☐ CONSTRUCT ☒ OPERATE NAME OF EQUIPMENT TO BE CONSTRUCTED OR OPERATED: CLEAVER-BROOKS BOILER (B)	FOR AGENCY USE ONLY I. D. NO. 031600 EYP PERMIT NO. Ø 8090008 DATE 09-05-78

1a. NAME OF OWNER: HOUSE-O-LITE CORPORATION		2a. NAME OF OPERATOR:	
1b. STREET ADDRESS OF OWNER: 4041 S. EMERALD AVE		2b. STREET ADDRESS OF OPERATOR:	
1c. CITY OF OWNER: CHICAGO		2c. CITY OF OPERATOR:	
1d. STATE OF OWNER: ILLINOIS	1e. ZIP CODE: 60609	2d. STATE OF OPERATOR:	2e. ZIP CODE:

3a. NAME OF CORPORATE DIVISION OR PLANT: House-O-Lite Corportion		3b. STREET ADDRESS OF EMISSION SOURCE: 4041 S. Emerald Ave.		
3c. CITY OF EMISSION SOURCE: Chicago	3d. LOCATED WITHIN CITY LIMITS: ☒ YES ☐ NO	3e. TOWNSHIP:	3f. COUNTY: Cook	3g. ZIP CODE: 60609

4. ALL CORRESPONDENCE TO: (TITLE AND/OR NAME OF INDIVIDUAL) M. WINKEL V.P.	5. TELEPHONE NUMBER FOR AGENCY TO CALL: (312) 376-9780
6. ADDRESS FOR CORRESPONDENCE: (CHECK ONLY ONE) ☐ OWNER: ☒ OPERATOR ☐ EMISSION SOURCE	7. YOUR DESIGNATION FOR THIS APPLICATION: (C) BOILER

8. THE UNDERSIGNED HEREBY MAKES APPLICATION FOR A PERMIT AND CERTIFIES THAT THE STATEMENTS CONTAINED HEREIN ARE TRUE AND CORRECT, AND FURTHER CERTIFIES THAT ALL PREVIOUSLY SUBMITTED INFORMATION REFERENCED IN THIS APPLICATION REMAINS TRUE, CORRECT AND CURRENT. BY AFFIXING HIS SIGNATURE HERETO HE FURTHER CERTIFIES THAT HE IS AUTHORIZED TO EXECUTE THIS APPLICATION.

AUTHORIZED SIGNATURE(S): (D)

BY [signature] SIGNATURE	8/29/78 DATE	BY SIGNATURE	RECEIVED DATE
M. WINKEL TYPED OR PRINTED NAME OF SIGNER		TYPED OR PRINTED NAME OF SIGNER	
VICE-PRESIDENT TITLE OF SIGNER		TITLE OF SIGNER	EPA-DAPC SPFLD

(A) THIS FORM IS TO PROVIDE THE AGENCY WITH GENERAL INFORMATION ABOUT THE EQUIPMENT TO BE CONSTRUCTED OR OPERATED. THIS FORM MAY ONLY BE USED TO REQUEST ONE TYPE OF PERMIT - CONSTRUCTION OR OPERATION - AND NOT BOTH.

(B) ENTER THE GENERIC NAME OF THE EQUIPMENT TO BE CONSTRUCTED OR OPERATED. THIS NAME WILL APPEAR ON THE PERMIT WHICH MAY BE ISSUED PURSUANT TO THIS APPLICATION. THIS FORM MUST BE ACCOMPANIED BY OTHER APPLICABLE FORMS AND INFORMATION.

(C) PROVIDE A DESIGNATION IN ITEM 7 ABOVE WHICH YOU WOULD LIKE THE AGENCY TO USE FOR IDENTIFICATION OF YOUR EQUIPMENT. YOUR DESIGNATION WILL BE REFERENCED IN CORRESPONDENCE FROM THIS AGENCY RELATIVE TO THIS APPLICATION. YOUR DESIGNATION MUST NOT EXCEED TEN (10) CHARACTERS.

(D) THIS APPLICATION MUST BE SIGNED IN ACCORDANCE WITH PCB REGS., CHAPTER 2, PART 1, RULE 103(a)(4) OR 103(b)(5) WHICH STATES: "ALL APPLICATIONS AND SUPPLEMENTS THERETO SHALL BE SIGNED BY THE OWNER AND OPERATOR OF THE EMISSION SOURCE OR AIR POLLUTION CONTROL EQUIPMENT, OR THEIR AUTHORIZED AGENT, AND SHALL BE ACCOMPANIED BY EVIDENCE OF AUTHORITY TO SIGN THE APPLICATION."

IF THE OWNER OR OPERATOR IS A CORPORATION, SUCH CORPORATION MUST HAVE ON FILE WITH THE AGENCY A CERTIFIED COPY OF A RESOLUTION OF THE CORPORATION'S BOARD OF DIRECTORS AUTHORIZING THE PERSONS SIGNING THIS APPLICATION TO CAUSE OR ALLOW THE CONSTRUCTION OR OPERATION OF THE EQUIPMENT TO BE COVERED BY THE PERMIT.

FOS 1110

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY MEMORANDUM

REFERENCE NUMBER 08

RECEIVED
AUG 1978
IEPA-DAPC-SPFLD

DATE: August 17, 1978

TO: Miles A. Zamco, Manager of Field Operations

FROM: N. F. Vonesh, Region II

SUBJECT: House-O-Lite Corporation
4041 South Emerald Street
Chicago, Illinois 60609

Geo Code - 031 600 EYP
Contact - Michael A. Winkel
Title - Vice President
Telephone - 376-9780

Employees - 100
Shifts/Days - 1/5
Facility - 60,000 ft^2
Property - 2 Acres

On August 15, 1978 a routine investigation was made of the subject facility.

The facility produces fluorescent fixtures for residential, commercial and industrial uses.

Space heating and process steam is furnished by one gas fired boiler of 5.23×10^6 BTU input.
Annual fuel consumption is, 4.57×10^6 cubic feet.

The plant process is as follows:

1. Purchase:

   A. Hardware, fasteners, ballasts, sockets and wire
   B. C. R. Sheet and strip steel which is painted and requires no additional painting in the shop.

2. Fabrication:

   Numerous punch presses, shear, blank notch and form the steel into the desired shapes and sizes.

3. Assembly:

   Assembly consists of installing the ballast, sockets and wiring the fixtures.

4. Packing and shipping:

   The finished product is packed into cardboard cartons for shipment.

The company at one time did all of their painting and would have been a source of hydrocarbons. This operation was discontinued when the enforcement of Rule 205(f) was instituted several years ago. All of the

remaining operations are relatively clean and would produce little in the way of air pollution. The only viable source is their gas fired boiler which would be in compliance to our current rules and regulations.

Since the boiler is over 1×10^6 BTU input a permit is legally required for its operation.

A warning letter should be addressed to this company to insure registry with the State of Illinois.

NFV:ela

cc: Region II File

Cook Co. - J.F

REFERENCE NUMBER 00

Federal Register / Vol. 46, No. 72 / Wednesday, April 15, 1981 / Notices

EPA Notification of Hazardous Waste Site

United States Environmental Protection Agency Washington DC 20460

This initial notification information is required by Section 103(c) of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 and must be mailed by June 9, 1981.

Please type or print in ink. If you need additional space, use separate sheets of paper. Indicate the letter of the item which applies.

810609

ILF376 ILS-000-001-174

A Person Required to Notify:
Enter the name and address of the person or organization required to notify.

Name: NL Industries, Inc.
Street: P.O. Box 1090 (Wyckoff-Mill Road)
City: Hightstown State: NJ Zip Code: 08520

B Site Location:
Enter the common name (if known) and actual location of the site.

Name of Site: Magnus Co., Inc.
Street: 4041 Emerald Avenue
City: Chicago County: State: IL Zip Code: 60609

ILD980606313

C Person to Contact:
Enter the name, title (if applicable), and business telephone number of the person to contact regarding information submitted on this form.

Name (Last, First and Title): Baser, F.R., Dir. Environmental Control
~~Rodman, H.C., Environmental Engineer~~
Phone: 609/443-2411 or 2410

D Dates of Waste Handling:
Enter the years that you estimate waste treatment, storage, or disposal began and ended at the site.

From (Year): Unknown To (Year): Pre-1948

E Waste Type: Choose the option you prefer to complete.

Option 1: Select general waste types and source categories. If you do not know the general waste types or sources, you are encouraged to describe the site in Item I—Description of Site.

General Type of Waste:
Place an X in the appropriate boxes. The categories listed overlap. Check each applicable category.

1. ☐ Organics
2. ☒ Inorganics
3. ☐ Solvents
4. ☐ Pesticides
5. ☐ Heavy metals
6. ☐ Acids
7. ☐ Bases
8. ☐ PCBs
9. ☐ Mixed Municipal Waste
10. ☐ Unknown
11. ☒ Other (Specify)

Dresses

Source of Waste:
Place an X in the appropriate boxes.

1. ☐ Mining
2. ☐ Construction
3. ☐ Textiles
4. ☐ Fertilizer
5. ☐ Paper/Printing
6. ☐ Leather Tanning
7. ☐ Iron/Steel Foundry
8. ☐ Chemical, General
9. ☐ Plating/Polishing
10. ☐ Military/Ammunition
11. ☐ Electrical Conductors
12. ☐ Transformers
13. ☐ Utility Companies
14. ☐ Sanitary Refuse
15. ☐ Photofinish
16. ☐ Lab Hospital
17. ☐ Unknown
18. ☒ Other (Specify)

Bearings Mfg.

Option 2: This option is available to persons familiar with the Resource Conservation and Recovery Act (RCRA) Section 3001 regulations (40 CFR Part 261).

Specific Type of Waste:
EPA has assigned a four-digit number to each hazardous waste listed in the regulations under Section 3001 of RCRA. Enter the appropriate four-digit number in the boxes provided. A copy of the list of hazardous wastes and codes can be obtained by contacting the EPA Region serving the State in which the site is located.

000252 JUN-981

Form Approved
OMB No. 2060-0018

JUN 12 1981

Notification of Hazardous Waste Site — Side Two

F Waste Quantity

Place an X in the appropriate boxes to indicate the facility types found at the site

In the "total facility waste amount" space give the estimated combined quantity (volume) of hazardous wastes at the site using cubic feet or gallons

In the "total facility area" space, give the estimated area size which the facilities occupy using square feet or acres

Facility Type

1 ☐ Piles
2 ☐ Land Treatment
3 ☐ Landfill
4 ☐ Tanks
5 ☐ Impoundment
6 ☐ Underground Injection
7 ☐ Drums, Above Ground
8 ☐ Drums, Below Ground
9 ☒ Other (Specify) Unknown

Total Facility Waste Amount

cubic feet Unknown

gallons

Total Facility Area

square feet Unknown

acres

G Known, Suspected or Likely Releases to the Environment:

Place an X in the appropriate boxes to indicate any known, suspected, or likely releases of wastes to the environment

☐ Known ☐ Suspected ☐ Likely ☒ None

Note. Items H and I are optional. Completing these items will assist EPA and State and local governments in locating and assessing hazardous waste sites. Although completing the items is not required, you are encouraged to do so

H Sketch Map of Site Location: (Optional)

Sketch a map showing streets, highways, routes or other prominent landmarks near the site. Place an X on the map to indicate the site location. Draw an arrow showing the direction north. You may substitute a publishing map showing the site location

I Description of Site: (Optional)

Describe the history and present conditions of the site. Give directions to the site and describe any nearby wells, springs, lakes, or housing. Include such information as how waste was disposed and where the waste came from. Provide any other information or comments which may help describe the site conditions

Notification based on presumed storage of drosses.

J Signature and Title

The person or authorized representative (such as plant managers, superintendents, trustees or attorneys) of persons required to notify must sign the form and provide a mailing address (if different than address in item A). For other persons providing notification, the signature is optional. Check the boxes which best describe the relationship to the site of the person required to notify. If you are not required to notify check "Other."

Name FRED R. BASER

Street

City State Zip Code

Signature Fred R Baser Date

☐ Owner, Present
☒ Owner, Past
☐ Transporter
☐ Operator, Present
☒ Operator, Past
☐ Other

[illegible]

BILLING CODE 6560-29-C

F. R. Baser
Director
Environmental Control Department

June 9, 1981

Regional Administrator
US EPA Region 5
Sites Notification
Chicago, IL 60604

Dear Sir:

NL Industries, Inc. has completed and encloses 44 "EPA Notification of Hazardous Wastes Site" forms, each of which identifies a site within your region where hazardous waste may have been stored or disposed of. Certain facilities were or are owned by subsidiaries, whether wholly or majority owned; some of these subsidiaries have been liquidated, and some have not. For convenience of reference, all notifications are being made in the name of the parent, NL Industries, Inc. In some cases our information is incomplete as to dates that old facilities started and/or ceased operations. In most of these cases the facility no longer exists.

NL was formed in 1891 by the merger of a number of independent lead or related product manufacturers, some of which may have been in business for over a century previous to 1891. We have not attempted to complete forms for facilities not operated since 1891, because of doubt regarding the obligation to do so, and our general lack of any specific information regarding such sites. Similarly, we are generally unable to trace the corporate history of companies which were acquired and therefore have not included facilities which were disposed of by such companies prior to the date of acquisition by NL.

A number of our filings are precautionary and are based on uncertainty induced by the absence of regulatory guidance in interpreting non-specific statutory language. Accordingly, our "estimates", "suspicions", and "presumptions" whether or not labeled should not be construed as admissions that the activities described took place, or had the described consequences, or that NL is in any way responsible for such activities or consequences. In most such cases, we expressly disclaim responsibility.

Very truly yours,

F. R. Baser

FRB/tb
Enclosures

NL Industries, Inc.
P O Box 1090, Hightstown, N J 08520 Tel. (609) 443-2411

JUN 12 1981

REFERENCE NUMBER 10

City _____ County _____

Section 16, 7 & Twp. No. 39 N Range 14 E

Location (in feet from section corner) About 750' E + 2000' S of NW corner of Sec 16 412 Wisconsin St.

Owner Fortuna Bros. Brewery Authority _____

Contractor S. B. Geiger Address _____

Date drilled May 1912 Elev. above sea level top of well 592.6

Depth 1679

Log Index No 1616

over

Were drill cuttings saved _____ Where filed _____

Size hole _____ If reduced, where and how much _____

Casing record _____

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 _____

2007-22617 12

Engineer

City _____ County _____

Section 28 Twp. No. 39 N Range 14 E

Location (in feet from section corner) _____

Owner Lake Shore & Rock Is. R.R. Authority _____

Contractor S. B. Hugir Address _____

Date drilled _____ Elev. above sea level top of well _____

Depth 1612

Log Indy 1600

over

Were drill cuttings saved _____ Where filed _____

Size hole _____ If reduced, where and how much _____

Casing record _____

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 _____

2507-22617 12

Write Copy –
Ill. Dept. of Public Health
Yellow Copy – Well Contractor
Blue Copy – Well Owner

INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUESTE. 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. 5 in. Depth [illegible] ft.
   Curb material ____. Buried Slab: Yes ____ No ____
   b. Driven ____. Drive Pipe Diam. ____ in. Depth [illegible] ft.
   c. Drilled ____. Finished in Drift ____. In Rock X.
   Tubular ____. Gravel Packed ____.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)
Cuttings		

2. Distance to Nearest:
   Building 35 Ft. Seepage Tile Field ____
   Cess Pool ____ Sewer (non Cast iron) ____
   Privy ____ Sewer (Cast iron) ____
   Septic Tank 75 Barnyard ____
   Leaching Pit ____ Manure Pile ____
3. Well furnishes water for human consumption? Yes X No ____
4. Date well completed May 8th 1979
5. Permanent Pump Installed? Yes X Date May 8th 1979 No ____
   Manufacturer [illegible] Type Submer Location Well
   Capacity ____ gpm. Depth of Setting 160 Ft.
6. Well Top Sealed? Yes X No ____ Type ____
7. Pitless Adapter Installed? Yes X No ____
   Manufacturer [illegible] Model Number ____
   How attached to casing? Clamp on
8. Well Disinfected? Yes X No ____
9. Pump and Equipment Disinfected? Yes X No ____
10. Pressure Tank Size 42 gal. Type Con Air
    Location Basement
11. Water Sample Submitted? Yes ____ No X

REMARKS:

GEOLOGICAL AND WATER SURVEYS WEL

10. Property owner Chicago Black C Well
    Address [illegible]
    Driller [illegible] License No.
11. Permit No. [illegible] Date [illegible]
12. Water from [illegible] Formation 13. County [illegible]
    at depth [illegible] to [illegible] ft. Sec. 3[illegible]
14. Screen: Diam. ____ in. Twp. [illegible]
    Length: ____ ft. Slot ____ Rge. [illegible]
    Elev. ____
15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (F
5	Gal-Pipe	0	68

16. Size Hole below casing: 5 in.
17. Static level 100 ft. below casing top which is above ground level. Pumping level 160 ft. whe gpm for ____ hours.

18. FORMATIONS PASSED THROUGH	T
Overburden	
Limestone	[illegible]

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED [illegible] DATE.

IDPH 4.065
1/74 – KNB-1

ENGINEER'S ANALYSIS SHEET

AP (P04) SWS cools

City Chicago County Cook

Section 24.12 Twp. No. 39N Range 13E

Location (in feet from section corner) 500' N, 400' W, SE cor

Owner Van Merritt Brewery #1 (formerly Monarch Brewery) Authority

Contractor S. B. Geiger Address

Date drilled 1913 Elev. above sea level top of well

Depth 1600 ft

Log

Were drill cuttings saved Where filed

Size hole If reduced, where and how much

Casing record

Distance to water when not pumping 477 Oct 2, 1961 Distance to water is

feet after pumping at 350 G.P.M. for several hours.

Reference point for above measurements

Type of pump Distance to cylinder 597'

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 61.5° F Was water sample collected Yes 1 gal

Date Nov 2, 1961 Effect of water on meters, hot water

coils, etc.

Date of Analysis Analysis No. 156100

See remarks on back!

Recorder Robert T Sasman

Date Nov 2, 1961

46(19—1M—2-52) 2

SWS

City Chicago County Cook

Section 24 Twp. No. 39N Range 13E

Location (in feet from section corner) 900'N, 1100'W, SE cor 12th & Campbell

Owner Dermotor Co Authority Mr. Hamilton

Contractor Address

Date drilled 1895 Elev. above sea level top of well 590

Depth 350 ft

Log Only used for testing pumps & equipment

Were drill cuttings saved Where filed

Size hole 5" If reduced, where and how much

Casing record 5"

Distance to water when not pumping 40' Distance to water is 80'

feet after pumping at 20 G. P. M. for 10 min hours.

Reference point for above measurements

Type of pump Dermotor submersible 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 2-HP Rating of pump in G. P. M.

Can following be measured: (1) Static water level Yes

(2) Pumping level Yes (3) Discharge No

(4) Influence on other wells No

Temperature of water Was water sample collected No

Date Effect of water on meters, hot water

coils, etc.

Date of Analysis Analysis No.

Recorder Robert T. Saarman

Date Dec 3, 1958

2807-22617 12

TOWN Chicago TOWNSHIP
COMPANY S. B. Geiger & Co.
FARM Fleischmann Yeast No.
AUTHORITY S. B. Geiger files
ELEVATION 599 ETA
COLLECTOR Workman DATE DRILLED
CONFIDENTIAL
19th & Rockwell

Map No. 15
R. 13E
T 39 N
Sec. 24

No.	STRATA	Thickness Feet	Thickness In.	Depth Feet	Depth In.
	Soil	54		54	
	Limestone	251		305	
	Shale	210		515	
	Limestone	227		842	
	Sandstone	78		920	
	Crevices	210		1130	
	Sandstone	10		1140	
	Limestone and crevices	35		1175	
	Crevices	90		1265	
	Limestone, broken & sandstone	110		1375	
	Sand, water-bearing	170		1545	
	Limestone	25		1570	
	Shale and shells	215		1785	
	Limestone	45		1830	
	Potsdam sandstone	152		1982	

54 - 18" OD pipe surface
213 - 16" pipe set at 515
249 - 10" pipe set at 1280
16" hole to 1280

County COOK
T—DRILL RECORD
(51052 3m-1-28)

Index No. 1524

TOWN Chicago TOWNSHIP
COMPANY S. B. Geiger
FARM Fleischman Yeast
AUTHORITY S.B.Geiger File
ELEVATION
COLLECTOR Workman DATE DRILLE
CONFIDENTIAL 18th - Rockwel

No.	STRATA
	Surface
	Limestone, white
	Shale
	Shale, gray, sandy
	Shale, very muddy
	Limestone, white
	Limestone, very hard,
	Limestone, hard
	Sand
	Limestone, sandy
	Limestone, very hard
	Limestone, softer
	Limestone crevices, lo of water
	Limestone
	Sand, soft
	Sand, hard-soft
	Sand, soft, white
	Limestone, hard, blue
	Limestone, gray
	Shale, muddy and shell
	Limestone
	Shale
	Limestone
	Potsdam sand

68' - 6" 10" to rock
10" hole to
NO ENVELOPE 8" hole to

County COOK
T—DRILL RECORD
(51052-3m-1-28)

City Chicago County Cook

Section 11 Twp. No. 38N Range 13E

Location (in feet from section corner) 400'S, 650'W, NE cor 3248 West 47th Place

Owner Bradshaw - Praeger & Co Authority (over)

Contractor J. P. Miller Address

Date drilled 1937 Elev. above sea level top of well 595 (±)

Depth 1204 ft Open hole

Log

Were drill cuttings saved Where filed

Size hole If reduced, where and how much

Casing record 10" 0-52', 8" 317-505', 6" 927-1000'

Distance to water when not pumping 484' 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 Feb 24, 1959 Effect of water on meters, hot water

coils, etc.

Date of Analysis Analysis No.

Recorder Robert Bassman

Date Feb 24, 1959

2807-22617 12

sp. Mn

City Chicago County Cook

Section 23 Twp. No. 38N Range 14E

Location (in feet from section corner) 100'W & 200'S of NE/c NE 1/4

Owner Art Askew, Stoney Island Fish Co. Authority

Contractor E. C. Wehling Address

Date drilled May 1966 Elev. above sea level top of well

Depth 383'

Log Open hole 0-15', sand and clay 15-50', clay 50-68', lime 68-383'

Were drill cuttings saved Where filed

Size hole If reduced, where and how much 5 7/8" below casing

Casing record ~~6" galv seamless from 0-95'~~

Distance to water when not pumping 31' Distance to water is 110'

feet after pumping at 25 G. P. M. for 3 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 yes

Date Effect of water on meters, hot water coils, etc.

Date of Analysis Analysis No. 168816

Recorder /s/ Sanderson

Date 5-12-66

White Copy – Ill. Dept. of 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, BUREAU OF ENVIRONMENTAL HEALTH, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62701. 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 10" to 42'
   a. Dug____. Bored____. Hole Diam 6 in. Depth 425 ft.
   Curb material _____. Buried Slab: Yes_____ No_____
   b. Driven _____. Drive Pipe Diam _____ in Depth _____ ft
   c. Drilled X. Finished in Drift _____. In Rock X.
   Tubular _____. Gravel Packed _____.
   d. Grout:

(KIND)	FROM (Ft)	TO (Ft)

2. Distance to Nearest:
   Building 10+ Ft. Seepage Tile Field 75+
   Cess Pool _____ Sewer (non Cast iron) _____
   Privy _____ Sewer (Cast iron) _____
   Septic Tank 50+ Barnyard _____
   Leaching Pit _____ Manure Pile _____
3. Is water from this well to be used for human consumption?
   Yes _____ No x
4. Date well completed 1-9-84
5. Permanent Pump Installed? Yes _____ No _____
   Manufacturer _____ Type _____
   Capacity _____ gpm. Depth of setting _____ ft.
6. Well Top Sealed? Yes _____ No _____
7. Pitless Adaptor Installed? Yes _____ No _____
8. Well Disinfected? Yes _____ No _____
9. Water Sample Submitted? Yes _____ No _____

REMARKS: Aquifer 5656
Hydro Unit 0711200-3

IDPH 4045
10-72
ANB-1

GEOLOGICAL AND WATER SURVEYS WEL

10. Property owner Great Metal Mfg. Co. We
    Address 5925 S. Lowe Ave., Chicago,
    Driller W. E. Wehling License N
11. Permit No. 110763 Date 12
12. Water from _____ (Formation) 13. County
    at depth ____ to ____ ft. Sec. 1
14. Screen: Diam. ____ in. Twp 3
    Length ____ ft. Slot _____ Rge. 1
    ~~15 N 15 W 4th NW SW~~ Elev. 5
15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To
6	black steel	+1	1

16. Size Hole below casing: 5-7/8 in.
17. Static level 40 ft. below casing top which above ground level. Pumping level 190 ft. wi gpm for 2 1/2 hours. 1/9/84

18 FORMATIONS PASSED THROUGH
Clay & Sand
Clay & Boulders
Lime
Shale & Lime
Shale

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED _____ DAT

City Chicago. County Cook. Englewood

Section 28, 2d Twp. No. 39N Range 14E

Location (in feet from section corner) about 900' W + 2350' N of SE corner of Sec 28 146 W. 27th

Owner Inland Rubber Co. Authority I.S.G.S.

Contractor J. P. Miller Well Co. Address

Date drilled 9-32 Elev. above sea level top of well 605

Depth 1936

Log Indy 1628

Were drill cuttings saved Where filed

Size hole If reduced, where and how much 12" to 590'; 10" to 1130'; 8" 1139-1936'

Casing record 35' of 12" pipe; 196' 3" of 10", bottom 590 ft; 149' 2" of 8" pipe, bottom 1130 ft; ~~12~~"

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

Pleistocene		
Clay, sand & gravel	35'	35'
Silurian		
Lime	265	300
Lime, hard	108	408
Richmond		
Shale	172	580
Galena - Platteville		
Lime	140	720
Lime, hard	35	755
Lime, very hard	95	850
Lime, sandy	30	880
Lime, hard	20	900
St. Peter sandstone	120	1020
Shale, green & lime	20	1040
Franconia		
Lime	90	1130
Lime, very hard	73	1203
Crevices	22	1225
Lime, soft	25	1250
Lime, hard	65	1315
Potsdam (Dresbach) sand	125	1440
Eau Claire		
Streak of lime	25	1465
Sand	55	1520
Sand, soft	95	1615
Shale & lime	275	1890
Mt. Simon sand, very soft	46	1936
Last 2 feet very hard.		

White Copy – Ill. Dept. of Public Health
Yellow Copy – Well Contractor
Blue Copy – Well Owner

INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFO. .TION REQUESTED AND MAIL ORIGINAL TO STAT PARTMENT OF PUBLIC HEALTH, ROOM 61[illegible], STATE OFFICE BUILDING, SPRING ILLINOIS 62706 DO NOT DETACH GEOLOGICAL / WATER SURVEYS SECTION. BE SU PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
WELL CONSTRUCTION REPORT

GEOLOGICAL AND WATE

1. [illegible] Well
   [illegible] Bored _____. Hole Diam. 15 in. Depth 1689 ft.
   [illegible]terial _____. Buried Slab: Yes _____ No _____
   [illegible] _____. Drive Pipe Diam. _____ in. Depth _____ ft.
   [illegible] x. Finished in Drift _____. In Rock x.
   [illegible] Gravel Packed _____.

(KIND)	FROM (Ft.)	TO (Ft.)

2. Distances Nearest:
   Building _____ 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 x No _____
4. Date well completed July 24, 1970
5. Permanent Pump Installed? Yes _____ No x
   Manufacturer _____ Type _____
   Capacity _____ gpm. Depth of setting _____ ft.
6. Well Top Sealed? Yes x No _____
7. Pitless Adaptor Installed? Yes _____ No _____
8. Well Disinfected? Yes x No _____
9. Water Sample Submitted? Yes x 183182 No _____ 7-24-70

REMARKS: well not shot
Also know as Turner Construction Co. well.

10. Property owner Illinois Be
    Address 10 S Canal Stree
    Driller E. C. Wehling
11. Permit No. 9081
12. Water from Sandstone Formation
    at depth _____ to _____ ft.
14. Screen: Diam. _____ in.
    Length: _____ ft. Slot _____
    25'S, 190'E / NW¼
15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight
26	
20	Cemented
16	

16. Size Hole below casing: 15
17. Static level 525 ft. below c
    above ground level. Pumping l
    gpm for 23½ hours.

18. FORMATIONS PASSED THR

Drift
Sand & Gravel
Sand
Lime
Shale
Lime & Shale
~~Shale~~
Lime
~~Sand~~
Shale
Sand Lime Shale
Lime

(CONTINUE ON SEPARATE SHEET

SIGNED E C Wehling, Pres

IDPH 4.065
10/68

Sand lime shale	59	1377
Shale	8	1385
Lime	6	1391
Shale	2	1393
Lime and shale	17	1410
Lime	10	1420
Sand	12	1432
Sand and lime	23	1455
Sand	144	1599
Lime-gray	20	1619
Shale	1	1620
Lime w/shale	10	1630
Shale	8	1638
Lime w/shale	12	1650
Shale	6	1656
Lime and shale	29	1685
Lime	4	1689

Ill. Dept. of Public Health
Yellow Copy – Well Contractor
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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

GEOLOGICAL AND WATER SURVI

1. Type of Well
   a. Dug____. Bored____. Hole Diam. 15 in. Depth 1689 ft.
   Curb material _____. Buried Slab: Yes_____ No_____
   b. Driven _____. Drive Pipe Diam. _____ in. Depth _____ ft.
   c. Drilled X. Finished in Drift _____. In Rock X.
   Tubular _____. Gravel Packed _____.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)

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. Is water from this well to be used for human consumption?
   Yes X No_____
4. Date well completed July 24, 1970
5. Permanent Pump Installed? Yes_____ No X
   Manufacturer _____ Type _____
   Capacity _____ gpm. Depth of setting _____ ft.
6. Well Top Sealed? Yes X No_____
7. Pitless Adaptor Installed? Yes_____ No_____
8. Well Disinfected? Yes X No_____
9. Water Sample Submitted? Yes X No_____

REMARKS:

10. Property owner Illinois Bell Tel
    Address 10 S Canal Street, Chi
    Driller E. C. Wehling L
11. Permit No. 9084 D
12. Water from _____ 13.
    Formation
    at depth _____ to _____ ft.
14. Screen: Diam. _____ in.
    Length: _____ ft. Slot _____
15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From
26		0
20	Cemented	0
16		982½

16. Size Hole below casing: 15 in.
17. Static level 530 ft. below casing top above ground level. Pumping level ____ gpm for _____ hours.

18. FORMATIONS PASSED THROUGH

Drift
Sand & Gravel
Sand
Lime
Shale
Lime & Shale
Shale
Lime
Sand
Shale
Sand Lime Shale
Lime

(CONTINUE ON SEPARATE SHEET IF NECE

SIGNED E. C. Wehling Inc.
By T.K.
Wehling Well Work

IDPH 4.065
10/68

Sand Lime shale	59	1377
Shale	8	1385
Lime	6	1391
Shale	2	1393
Lime & shale	17	1410
Lime	10	1420
Sand	12	1432
Sand & Lime	23	1455
Sand	144	1599
Lime - Gray	20	1619
Shale	1	1620
Lime w/shale	10	1630
Shale	8	1638
Lime w/shale	12	1650
Shale	6	1656
Lime & shale	29	1685
Lime	4	1689

Englewood

City _____ County _____

Section 16 NE Cor. 1h Twp. No. 39 N Range 14 E

Location (in feet from section corner) About 600' W + 150' S of NE corner of Sec 16 63 W. Madison St.

Owner Edelweiss Restaurant Authority _____

Contractor J. P. Miller Address _____

Date drilled Oct - Nov 1899 Elev. above sea level top of well 592.6

Depth 1280

Log Index 1616

over

Were drill cuttings saved _____ Where filed _____

Size hole _____ If reduced, where and how much _____

Casing record _____

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 _____

City _____ County _____

Section 16 Twp. No. 39 N Range 14 E

Location (in feet from section corner) _____

Owner Chicago Post Office Authority _____

Contractor S. B. Geiger Address _____

Date drilled Oct 1902 Elev. above sea level top of well 588.6

Depth 1350

Log Index No 1616

only

Were drill cuttings saved _____ Where filed _____

Size hole _____ If reduced, where and how much _____

Casing record _____

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 _____