IL-0244-09

Lo Bue #2

RS-8303-1F

Heavy Metals → - LEAD
Solvent → - TOLUENE - BENZENE
- XYLENE
Oily Waste → - PHENOL
- HYDROGEN SULFIDES

US EPA RECORDS CENTER REGION 5
449954

Complaint 12-1970
result in Inspection

4-8-71 - Oily Waste I D'ed in State S.I. as Hay Wa.

'78 - State SIs - Drums accepted empty

'75 Permited to accept Foundry sand Slag, Cinders, & "soil" + demolition debris

11-5-79 SI State ≈ 50 - 55 gal drums & some 5 gal pails present empty w/ contents spilled & entering Pond.
Reply Paint allegedly removed.
also 150 - 55 gal drums w/ Plastic liners (possibly acids.
5 Tank Car bodies (1 in 1/2 full of "tar")
1980 - Empty paint drums w/ contents spilled
also Whitish leg. (ph 12.1) coming from foundry wastes flowing across Sets to RR Drainage ditch
(flow stopped '82)

PO-NY-60-JI

1981 Site ordered to cease disposal of refuse
1972 Suit against Lo Bue #1 & #2
#2 Used since 12-1970
Soil Borings

Chemical Analysis 2-9-84

Well #	Sample Date	Water Level ~~Collected 2-7-84~~	Well Depth	Comments
G 101	2-7-84	39.1	41.25	bailed dry 2-3-84

~~Water Level~~ well bailed dry 2-3-84 sampled 2-7
G 102 2-3-84 No sample couldn't find
G 103 2-3-84 Dry well - no cap
G 104 2-3-84 Dry well -

G 101 Chem analysis
Mg 40 ppm Sulfate 1300 ppm

ROE 2390 ppm
$CaCO_3$ hardness 1800 ppm

GW flow
- Basal in Niagara Ag. in Southerly
h Silurian Dolomite ~ ~~383'~~ ~~Deep~~ ~40'-60' Deep
- No Upper Ag - encountered in boring
assume G.W. in Clays above 585' MSL
Suppose samples from Creek

This is Creek Level

Site: LaBue #2 TDD# R5-8303-1F

Population

from Illinois 1980 Census of Population

Three Mile Radius	% of Town within Radius	Town Population	% of Population within Radius
Chicago Heights	80%	37,026	29,621
East Chicago Heights	100%	5,347	5,347
South Chicago Heights	100%	3,932	3,932
Crete	95%	5,417	5,146
Steger	100%	9,269	9,269
Sauk Village	35%	10,906	3,817
Park Forest	20%	26,222	5,244

Population outside of Village Boundaries = (300 homes) × (3.8 persons/home) = 1,140

Total = 63,516 persons

Two Mile Radius	%	Pop.	% Pop.
Chicago Heights	45%	37,026	16,662
East Chicago Heights	———	5,347	0
South Chicago Heights	100%	3,932	3,932
Crete	40%	5,417	2,167
Steger	100%	9,269	9,269
Sauk Village	———	10,906	0
Park Forest	———	26,222	0

Population outside of Village Boundaries = (200 homes) × (3.8 persons/home) = 760

Total = 32,790 persons

1 Mile Radius	%	Pop.	% Pop.
Chicago Heights	10%	37,026	3,703
South Chicago Heights	85%	3,932	3,342
Steger	30%	9,269	2,781
Crete	———	5,417	0

Population outside of Village Boundaries = (100 homes) × (3.8 persons/home) = 380

Total = 10,206 persons

Date: 10-31-84 TDD# R5-8303-1F

Site: LoBue Pit #2

Sauk Village: Public Works ph: 758-3330

Ted Theodore, Exec. Assist. to Mayor

Pop. Served: 11,000 persons

Number of Wells: 3

1 @ Rt. 30 near Calumet Expy. depth: 650'

2 @ 2225 220th St. depth: ≈470'

Yields: 600 - 1000 gpm

Crete - Public Works ph # 672-7100

pop. Served: 6,000 persons

Number of Wells: 4 wells

1 @ City Park depth: 150'

1 @ Hallswood (Near Pump Station) depth: 155'

1 @ Richton Rd. (1/4 mi West of 394) depth: 250'

1 @ Burnville Rd. & Wood St. depth: 88'

yields: 125 - 1040 gpm

Blended: Yes

Park Forest ph: 748-1112

Pop. served: 26,000 persons

Number of wells: 7 wells

1 @ Well Court

1 @ Algonquin St.

1 @ Water Plant (≈100 Park St.)

1 @ ≈300 Plaza St.

1 @ EJ & J Rail Road Tracks and Western Ave.

1 @ ≈100 N. Orchard St.

1 @ Hickory St. & Jackson

Depth's for all wells is approx. 350'-400'

Blended: Water from 6 wells is Blended

Water from well @ Hickory & Jackson can be pumped directly to distribution.

Took a p
to copie

LoBove #2

well 1 SW corner
697.1 ground
698.2 top pipe

#2 NW corner
694.9 gr
695.1 Top pipe

#3 713.4 gr NE
715.5 top pipe

#4 712.6 gr
716.6 top pipe ~~S~~SE

ponded water 697.2

6/7/72

Map by Walter H Flood 6/11/73

	Well #1	#2	#3	#4	
Mg	150.		120.	78.	
Mn	.82		.48	.35	75
Zn	.5		.1	.2	

	Leachate NW corner	Soil NW corner		
B	6.0	Acid Digest / 48 hr. leach		
Cr	.05			
Cu	.02			
Pb	.1	27.85 mg/gm	.11 mg/l	81
Mg	314			
Mn	10.78			
Zn	.3			
Hg		4.8 ug/gram	—	

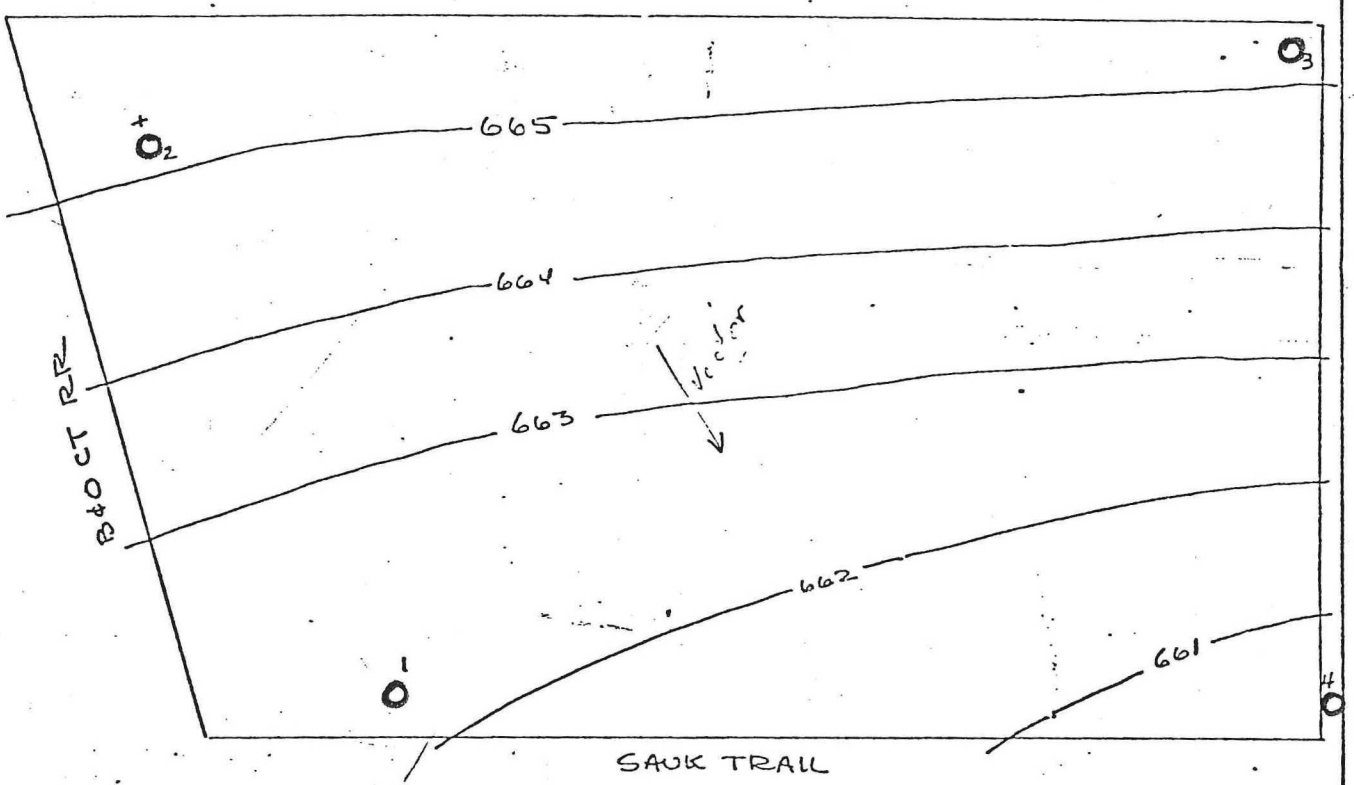
	Pond SE corner	Effluent from pond	
Ba	.3	.3	
B	10.5	11.5	
Cr	.09	.09	
Cu	.02	.02	78
Pb	.05	.11	
Mg	76.	88.	
Mn	1.06	1.54	
Zn	.2	.2	

	E culvert	W. Culvert	
B	.8	15.0	
Mg	79.5	419	80
Mn	.25	3.51	

	6101	6102	103	104
B	.6			
Mg	40.			
Mn	.65			
Zn	.1			

Chicago Heights / LoBue #2

Monitor Wells



LEGEND

O PIEZOMETER

—661— PIEZOMETRIC GROUNDWATER SURFACE (DETERMINED BY AVERAGE READINGS FROM PIEZOMETER)

N

PIEZOMETRIC GROUND WATER SURFACE SILURIAN NIAGRAN AQUIFER SOLLID WASTE DISPOSAL SITE S. CHICAGO HEIGHTS, ILLINOIS	
WALTER H. FLOOD & CO. INC.	
SCALE 1" = 200'	BY RJF
JOB/LAB NO. 72050068	DATE 5/30/73

FORM 1 5M 6-55 SSP

DATE 10-31-84 TDD R5-8303-15

TIME -

SITE Lo Bae Pit #2

CONTACT PHONE ( ) -

SUBJECT Public water Supply Information.

- East Chicago Heights - 758-3182

pop. served. = 5,437 persons

Number of Wells : 7

Well depths : 5 @ 460'-499' ; yeild=100-1000gpm

1 @ 1,800'

Blended = Yes

- South Chicago Heights: Public Works : 755-7888

Superintendant: Alan Maross

Pop. Served: 3,500 persons

Number of Wells : 2

1 @ 2729 Jackson Ave ; depth = 498'

1 @ E. Sauk Trail near Buttler depth = 498'

yeilds = 500-700 gpm.

Blended : Yes

- Steger ph : 754-3395

Pop. Served = 9,269

Number of wells = 3 2 @ 318'-325' deept

1 @ 378' depth

Blended: Yes yield : 300-700gpm

Date: