ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

DIVISION OF LAND POLLUTION CONTROL ANALYSIS FORM

Kane County — Region 2

Montgomery — Municipality

Phillips (Thom) — Operator

N. Center & Center — Source Location

DEMO SITE ?

Date collected 5/18/76

Time 5:30 p.m. — °C °F — a.m. Sample temp.

Sample appearance: Clear of chlorine (milky)

Collector comments: 4415 13' from ground level to water surface

X 1 Routine Analysis — Flow Rate

2 Industrial Waste Analysis — Rate of Flow (Leachate only)

3 Groundwater Analysis — Well No. 1 (N. Center)

4 Special Analysis — Sample No. 5-4

JUN 7 1976

E.P.A. – D.L.P.C. STATE OF ILLINOIS

C08581 MAY19'76

Type of Analysis 1	2	3	4	Parameters	mg/l*
		X		MBAS	. X X X
				Nickel Ni	. X X X
		X		Nitrate-nitrite N	. X X
		X		Oil	. X X X X
X	X			pH (units)	X X 12.1 X X X
	X	X		Phenols	. X
				Phosphorus P	. X X
				Potassium K	. X X X
X	X	X		R.O.E. (180° C)	1320. X X X X
		X		Selenium Se	. X
				Silica SiO_2	. X X X X
	X			Silver Ag	. X X
				Sodium Na	. X X X
				SC (umhos/cm)	. X X X X
X	X	X		Sulfate SO_4	22. X X X X
X				Sulfide S	0.0 X X X
				TSS	. X X X X
X	X			Zinc Zn	13.0 X X X

*values exceeding no. of places shown are reported in lab comments section.

Parameters	mg/l*
	.
	.
	.
	.
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	.
	.
	.

Type of Analysis 1	2	3	4	Parameters	mg/l*
				Alkalinity $CaCO_3$	X X X X
X				Ammonia N	1.3 12 X X X
X	X			Arsenic As	. X
	X			Barium Ba	. X X X
				BOD - 5	. X X X X
~~X~~	~~X~~			~~Boron~~	. X X X
X	X			Cadmium Cd	0.01 X X
				Calcium Ca	. X X X
X	X			COD	205. X X X X
X	X			Chloride Cl	48. X X X X
X				Chromium Cr (tot)	. X X
X				Chromium Cr^{+6}	. X X
X				Copper Cu	. X X
X	X			Cyanide CN	. X
				Dissolved oxygen	. X X X
				Fecal coli (#/100 ml)	. X X X X
				Fluoride F	. X X X
				Hardness $CaCO_3$	X X X X
X	X			Iron Fe	19.0 X X X
X	X			Lead Pb	0.45 X X
				Magnesium Mg	X X X
X	X			Manganese Mn	.01 X X
X				Mercury Hg	.0003

LPC-8

C.C.: Region II – D.L.P.C.

P.R. Sexton L.P.C. — Collected by — Div.

P. Leahan L.P.C. — Transported by — Div.

Surface Water: Upstream, Downstream, Lake, Run-off, Flood Water

Leachate: Flow, Pond

Groundwater: Well, Spring

LAB USE ONLY

Lab No. C008581

Date Rec'd 5-19-76

Rec'd by F Cahen — Time 12:00 AM

Sample temperature acceptable Yes No

Sample properly preserved Yes No

Tests req'd 13 — Tests run 13

Date analyses completed 6-2-76

Date analyses forwarded 6-3-76

Chicago Daugherty — Lab Section — Supervisor

Lab Comments:

EPA Region 5 Records Ctr.

362180

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

Kane County — Region 2

Montgomery — Phillips (Thom)
Municipality — Operator

East Boundary of Site
Source or Location

DIVISION OF LAND POLLUTION CONTROL ANALYSIS FORM

C08582 MAY1976

Date collected 5/18/76

Time 5:50 p.m. °C °F
a.m. Sample temp.

Sample appearance: Clear & murky

Collector comments: 2'3" (-3.9) from ground level to water surface

X Routine Analysis — Flow Rate ____
1
Industrial Waste Analysis — Type of Flow (Leachate only)
2
Groundwater Analysis — Well No. #2
3
Special Analysis — Sample No. 5-5
4

Type of Analysis 2	3	4	Parameters	mg/l*
			Alkalinity $CaCO_3$	. X X X X
X			Ammonia N	0.47 X X
X	X		Arsenic As	. X
	X		Barium Ba	. X X X
			BOD - 5	X X X X
	X		Boron B	1.9 X X X
X	X		Cadmium Cd	. X X
			Calcium Ca	. X X X
X	X		COD	61 X X X X
X	X		Chloride Cl	190 X X X X
X			Chromium Cr (tot)	. X X
X			Chromium Cr^{+6}	. X X
X			Copper Cu	. X X
X	X		Cyanide CN	. X
			Dissolved oxygen	. X X X
			Fecal coli (#/100 ml)	. X X X X
			Fluoride F	. X X X
			Hardness $CaCO_3$	X X X X
X	X		Iron Fe	7.0 X X X
X	X		Lead Pb	0.03 X X
			Magnesium Mg	X X X
X	X		Manganese Mn	0.24 X X
X			Mercury Hg	0.002

Type of Analysis 1	2	3	4	Parameters	mg/l*
		X		MBAS	. X X X
				Nickel Ni	. X X X
		X		Nitrate-nitrite N	. X X
		X		Oil	. X X X X
X	X			pH (units)	X X 8.3 X X X
	X	X		Phenols	. X
				Phosphorus P	. X X
				Potassium K	. X X X
X	X	X		R.O.E. (180° C)	956 . X X X X
		X		Selenium Se	. X
				Silica SiO_2	. X X X X
	X			Silver Ag	. X X
				Sodium Na	. X X X
				SC (umhos/cm)	. X X X X
X	X	X		Sulfate SO_4	180 . X X X X
X				Sulfide S	0.0 X X X
				TSS	. X X X X
X	X			Zinc Zn	0.6 X X X

*values exceeding no. of places shown are reported in lab comments section.

Parameters	mg/l*
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	.
	.

P.R. Stevenson — L.P.C.
Collected by — Div.

P.R. Stevenson — L.P.C.
Transported by — Div.

Surface Water: Upstream, Downstream, Lake, Run-off, Flood Water

Leachate: Flow, Pond

Groundwater: Well

LAB USE ONLY

Lab No. C008582

Date Rec'd 5-19-76

Rec'd by F Cahem Time 12:00 AM

Sample temperature acceptable Yes No

Sample properly preserved Yes No

Tests req'd 13 Tests run 13

Date analyses completed 6-2-76

Date analyses forwarded 6-2-76

Chicago — J Dougherty
Lab Section — Supervisor

Lab Comments:

LPC-8

cc: Region II - D.L.P.C.

Kane — Region 2
County

Montgomery Phillips (Thom)
Municipality — Operator

South Branch of Aux
Source or Location

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

DIVISION OF LAND POLLUTION CONTROL ANALYSIS FORM

RECEIVED
JUN 7 1976
E.P.A. - D.L.P.C.
STATE OF ILLINOIS

C08583 MAY 1976

Date collected 5-18-76
Time 6:20 (P.M.) °C °F
a.m. Sample temp.

Sample appearance: Warm & slightly opaque
Collector comments: 53'7" (-3'7")

X Routine Analysis
Industrial Waste Analysis
Groundwater Analysis
Special Analysis

Flow Rate
Age of Flow (Leachate only)
Well No. 3
Sample No. 5-6

Type of Analysis 1	2	3	4	Parameters	mg/l*
				Alkalinity $CaCO_3$	X X X X
	X			Ammonia N	3.84 X X
	X	X		Arsenic As	X
		X		Barium Ba	X X X
				BOD - 5	X X X X
	X	X		Boron B	0.3 X X X
	X	X		Cadmium Cd	X X
				Calcium Ca	X X X
	X	X		COD	650. X X X X
	X	X		Chloride Cl	60. X X X X
	X			Chromium Cr (tot)	X X
	X			Chromium Cr^{+6}	X X
	X			Copper Cu	X X
	X	X		Cyanide CN	X
				Dissolved oxygen	X X X
				Fecal coli (#/100 ml)	X X X X
				Fluoride F	X X X
				Hardness $CaCO_3$	X X X X
	X	X		Iron Fe	1.4 X X X
	X	X		Lead Pb	0.19 X X
				Magnesium Mg	X X X
	X	X		Manganese Mn	0.12 X X
	X			Mercury Hg	0.0006

Type of Analysis 1	2	3	4	Parameters	mg/l*
		X		MBAS	X X X
				Nickel Ni	X X X
		X		Nitrate-nitrite N	X X
		X		Oil	X X X X
X	X			pH (units)	X X 12.0 X X X ?
	X	X		Phenols	X
				Phosphorus P	X X
				Potassium K	X X X
X	X	X		R.O.E. (180° C)	1690. X X X X
		X		Selenium Se	X
				Silica SiO_2	X X X X
	X			Silver Ag	X X
				Sodium Na	X X X
				SC (umhos/cm)	X X X X
X	X	X		Sulfate SO_4	180. X X X X
X				Sulfide S	0.0 X X X
				TSS	X X X X
X	X			Zinc Zn	4.5 X X X

Parameters	mg/l*

*values exceeding no. of places shown are reported in lab comments section.

P. P. Steadman L.P.C.
Collected by — Div.

P. P. Steadman L.P.C.
Transported by — Div.

Surface Water
Upstream
Downstream
Lake
Run-off
Flood Water

Leachate
Flow
Pond

Groundwater
Well
Spring

LAB USE ONLY

Lab No. C008583
Date Rec'd 5-19-76
Rec'd by J Cahern Time 12:0
Sample temperature acceptable Yes
Sample properly preserved Yes
Tests req'd 13 Tests run 13
Date analyses completed 6-8-76
Date analyses forwarded 6-3-76

Chicago — Daughert
Lab Section — Supervisor

Lab Comments:

LPC-8 CC: Region II - D.L.P.C.
A. PAPA

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

County: [illegible] Region: [illegible]

Municipality: [illegible] Operator: [illegible]

Source or Location: Unit #1 (West) — Groundwater Standard

C 8! 0 RECEIVED JUL 26 1976 E.P.A. – D.L.P.C. STATE OF ILLINOIS

LAND POLLUTION CONTROL ANALYSIS FORM

C 0009 JUL 1976

Date collected: 7/20/76

Time: 4:15 p.m. °C 65 °F a.m. Sample temp.

Sample appearance: cloudy – heavy in sediment

Collector comments:

Line Analysis — Flow Rate

Industrial Waste Analysis — Age of Flow (Leachate only)

Groundwater Analysis — Well No.

Special Analysis — Sample No. C-1-1, C-1-2, C-1-3, C-1-4, C-1-5

Parameters	mg/l*
Alkalinity $CaCO_3$	396. x x x x
Ammonia N	6.21 x x
Arsenic As	0.053 x
Barium Ba	. x x x
BOD – 5	. x x x x
Boron B	1.1 x x
Cadmium Cd	0.12 x x
Calcium Ca	. x x x
COD	310. x x x x
Chloride Cl	160. x x x x
Chromium Cr (tot)	0.35 x
Chromium Cr^{+6}	0.20 x x
Copper Cu	0.74 x x
Cyanide Cn	— 0.01 x x
Dissolved oxygen	. x x x
Fecal coli (#/100 ml.)	. x x x x
Fluoride F	x x x
Hardness $CaCO_3$	. x x x x
Iron Fe	6.50 x x x x
Lead Pb	4.6 x
Magnesium Mg	. x x x
Manganese Mn	42.50 x x
Mercury Hg	0.0025 SP

Type of Analysis 1	2	3	4	Parameters	mg/l*
		X		MBAS	. x x x
	X			Nickel Ni	— 1.0 x x x
	X	X		Nitrate-nitrite N	6.4 x x
	X	X		Oil	14. x x x x
X	X			pH (units)	x x 9.3 x x x
	X	X		Phenols	0.350 x
				Phosphorus P	. x x
				Potassium K	. x x x
X	X	X		R.O.E. (180° C)	sample not enough x x x x
		X		Selenium Se	. x
				Silica SiO_2	. x x x x
	X			Silver Ag	0.1 x x
				Sodium Na	. x x x
				SC (umhos/cm)	. x x x x
X	X	X		Sulfate SO_4	21. x x x x
				Sulfide S	. x x x
				TSS	. x x x x
X	X			Zinc Zn	9.9 x x x

*values exceeding no. of places shown are reported in lab comments section.

Parameters	< mg/l*
2 Aluminum	32a.1xxx
	.
	.
	.
	.
	.
	.
	.

Collected by: Henry A. Rau — Div.: Land PC

Transported by: [illegible] — Div.: LPC

Surface Water: Upstream, Downstream, Lake, Run-off, Flood Water

Leachate: Flow, Pond

Groundwater: Well

LAB USE ONLY

Lab No. C000009

Date Rec'd 7-1-76

Rec'd by Nkay Time 12:10 pm

Sample temperature acceptable Yes No

Sample properly preserved Yes No

Tests req'd 25 Tests run 24

Date analyses completed 7-21-76

Date analyses forwarded 7-22-76

Lab Section: [illegible] Supervisor: P. Makarchuk

Lab Comments:

* Mercury – 0.0025

AUG 3 1976 E.P.A. – D.L.P.C. STATE OF ILLINOIS

County: Montgomery
Municipality: Hillsboro
Operator:
Source or Location: Well #2 (east)

08905801

RECEIVED
DIVISION OF LAND POLLUTION CONTROL ANALYSIS FORM
JUL 19 1976
E.P.A. – D.L.P.C.
STATE OF ILLINOIS

RECEIVED
JUL 21 1976
E.P.A. – D.L.P.C.
STATE OF ILLINOIS

Groundwater standards

C 0010 JUL

Date collected: 6/20/76
Time: 400 p.m. / a.m.
Sample temperature: 6 °C
Sample appearance: Samples heavy in sediment
Collector comments:

- Routine Analysis
- X Industrial Waste Analysis
- X Groundwater Analysis
- Special Analysis

Flow Rate:
Age of Flow (Leachate only):
Well No. 2
Sample No. C-2-1, C-2-2, C-2-3, C-2-4, C-2-5

Type of Analysis 1	2	3	4	Parameters	mg/l*
X				Alkalinity $CaCO_3$	308. x x x x
X				Ammonia N	0.43 x x
X		X		Arsenic As	0.038 x
		X		Barium Ba	. x x x
				BOD – 5	. x x x x
X		X		Boron B	1.9 x x
X		X		Cadmium Cd	0.02 x x
				Calcium Ca	. x x x
X		X		COD	24. x x x x
X		X		Chloride Cl	130. x x x x
X				Chromium Cr (tot)	0.19 x x
X				Chromium Cr^{+6}	No Bottle x x
X				Copper Cu	0.39 x x
X		X		Cyanide CN	0.004 x
				Dissolved oxygen	. x x x
				Fecal coli (#/100 ml.)	. x x x x
				Fluoride F	. x x x
				Hardness $CaCO_3$	. x x x x
X		X		Iron Fe	87.5 x x
X		X		Lead Pb	1.7 x x
				Magnesium Mg	x x x
X		X		Manganese Mn	1.3 x x
X				Mercury Hg	0.0003

Type of Analysis 1	2	3	4	Parameters	mg/l*
		X		MBAS	. x x x
	X			Nickel Ni	0.2 x x x
	X	X		Nitrate-nitrite N	0.1 x x
	X	X		Oil	3. x x x x
X	X			pH (units)	x x 8.0 x x x
	X	X		Phenols	0.005 x
				Phosphorus P	. x x
				Potassium K	. x x x
X	X	X		R.O.E. (180° C)	940. x x x x
		X		Selenium Se	. x
				Silica SiO_2	. x x x x
	X			Silver Ag	0.02 x x
				Sodium Na	. x x x
				SC (umhos/cm)	. x x x x
X	X	X		Sulfate SO_4	200. x x x x
				Sulfide S	. x x x
				TSS	. x x x x
X	X			Zinc Zn	1.3 x x x

*values exceeding no. of places shown are reported in lab comments section.

Parameters	mg/l*
2 Aluminum	55. x x
	.
	.
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	.
	.

Henry Cobb — Collected by
Land Fc — Div.
H Cobb — Transported by
C Pc — Div.

Surface Water: Upstream, Downstream, Lake, Run-off, Flood Water
Leachate: Flow, Pond
Groundwater: Well, Spring

LAB USE ONLY
Lab No. C000010
Date Rec'd 7-1-76
Rec'd by H Kay Time
Sample temperature acceptable Yes
Sample properly preserved Yes
Tests req'd 25 Tests run 25
Date analyses completed 7-14-
Date analyses forwarded 7-15-
Lab Section — Supervisor P. Maker
Lab Comments:

LPC-8

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

DIVISION OF LAND POLLUTION CONTROL ANALYSIS FORM

RECEIVED JUL 19 1976 E.P.A. – D.L.P.C. STATE OF ILLINOIS

RECEIVED JUL 21 1976 ILL. E.P.A. – D.L.P.C. STATE OF ILLINOIS

C 0011 JUL 21 76

County: None (Region 1 Northern)

Municipality: Antioch/Phillips Operator: 0890551

Source or Location: Well #3 (South)

Groundwater Standards

Date collected: 6/30/76

Time: 3:45 p.m. / a.m. 65°F / °C Sample temp.

Sample appearance:

Collector comments: Clear — s... have a greyish cde...

Routine Analysis

Industrial Waste Analysis

Groundwater Analysis

Special Analysis

Flow Rate:

Age of Flow (Leachate only):

Well No. 3

Sample No. C-3-1, C-3-2 Empty-HC

Type of Analysis 1	2	3	4	Parameters	mg/l*
				Alkalinity $CaCO_3$	. X X X X
				Ammonia N	. X X
X				Arsenic As	0.000 X
X				Barium Ba	. X X X
				BOD - 5	. X X X X
X	X			Boron B	no bottle X X X
X	X			Cadmium Cd	0.01 X X
				Calcium Ca	. X X X
X	X			COD	. X X X X
X	X			Chloride Cl	. X X X X
X				Chromium Cr (tot)	0.07 X X
X				Chromium Cr^{+6}	no bottle X X
X				Copper Cu	0.14 X
X	X			~~Cyanide CN~~	. X
				Dissolved oxygen	. X X X
				Fecal coli (#/100 ml.)	. X X X X
				Fluoride F	. X X X
				Hardness $CaCO_3$	X X X X
X	X			Iron Fe	2.30 X
X	X			Lead Pb	0.30 X
				Magnesium Mg	. X X X
X	X			Manganese Mn	1.10 X
X				Mercury Hg	0.0007

LPC-8

Type of Analysis 1	2	3	4	Parameters	mg/l*
		X		MBAS	. X X X
	X			Nickel Ni	0.1 X X X
	~~X~~			~~Nitrate-nitrite~~ N	. X X
		X		Oil	. X X X X
X	X			pH (units)	X X . X X X
	X	X		~~Phenols~~	. X
				Phosphorus P	. X X
				Potassium K	. X X X
X	~~X~~	~~X~~		R.O.E. (180° C)	. X X X X
		X		Selenium Se	. X
				Silica SiO_2	. X X X X
	X			Silver Ag	0.00 X X
				Sodium Na	. X X X
				SC (umhos/cm)	. X X X X
X	X	~~X~~		Sulfate SO_4	. X X X X
				Sulfide S	. X X X
				TSS	. X X X X
X	X			Zinc Zn	0.1 X

*values exceeding no. of places shown are reported in lab comments section.

Parameters	mg/l*
2 Aluminum	0.91 X

Henry Cobo — Land PC
Collected by — Div.

H. Cobo — LPC
Transported by — Div.

RECEIVED AUG 3 1976 E.P.A. – D.L.P.C. STATE OF ILLINOIS

Surface Water: Upstream, Downstream, Lake, Run-off, Flood Water

Leachate: Flow, Pond

Groundwater: Well

LAB USE ONLY

Lab No. C000011

Date Rec'd 7-1-76

Rec'd by N Kay Time 12:10

Sample temperature acceptable Yes

Sample properly preserved Yes

Tests req'd 14 Tests run 10

Date analyses completed 7-14-76

Date analyses forwarded 7-15-76

Chemistry — P. Malenich

Lab Section — Supervisor

Lab Comments:

KANE Page 2
County

MONTGOMERY / PHILLIPS (THOM)
Township / Operator

PHILLIPS RESIDENCE S.E. of Site
Details of Location

X Routine Analysis
___ Industrial Waste Analysis
___ Special Analysis
___ Special Analysis

Flow Rate ___
Area of Flow (Discharge only)
Well No. ___
Sample No. S-1

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

DIVISION OF LAND POLLUTION CONTROL ANALYSIS FORM

RECEIVED JUL 26 1976 E.P.A. – D.L.P.C. STATE OF ILLINOIS

C 0049

P.C.B. CASE PENDING

PLEASE RUSH!!!

Date collected 7-6-76
10:30 p.m. (a.m.) Sample temp. °C °F
Sample appearance: Cloudy Clear
Operator comments: TAKEN FROM HOUSEHOLD TAP —

Type of Analysis 1	2	3	4	Parameters	mg/l*
				Alkalinity $CaCO_3$	X X X X
X	X			Ammonia N	0.18 X X
	X	X		Arsenic As	X
		X		Barium Ba	X X X
				BOD – 5	X X X X
	X	X		Boron B	0.1 X X X
	X	X		Cadmium Cd	X X
				Calcium Ca	X X X
X	X	X		COD	4. X X X X
	X	X		Chloride Cl	45. X X X X
	X			Chromium Cr (tot)	X X
	X			Chromium Cr^{+6}	X X
	X			Copper Cu	X X
	X	X		Cyanide CN	0.012 X
				Dissolved oxygen	X X X
				Fecal coliform (#/100 ml)	X X X
				Fluoride F	X X X
				Hardness $CaCO_3$	X X X X
X	X	X		Iron Fe	3.3 X X X
	X	X		Lead Pb	0.00 X X
				Magnesium Mg	X X X
	X	X		Manganese Mn	0.09 X X
	X			Mercury Hg	0.0000

Type of Analysis 1	2	3	4	Parameters	mg/l*
		X		MBAS	X X X
				Nickel Ni	X X X
		X		Nitrate-nitrite N	X X
		X		Oil	X X X X
X	X			pH (units)	X X 8.2 X X X
X	X	X		Phenols	0.006 X
				Phosphorus P	X X
				Potassium K	X X X
X	X	X		R.O.E. (180° C)	516. X X X X
		X		Selenium Se	X
				Silica SiO_2	X X X X
	X			Silver Ag	X X
				Sodium Na	X X X
				SC (umhos/cm)	X X X X
X	X	X		Sulfate SO_4	150. X X X X
X				Sulfide S	1.2 X X X
				TSS	X X X X
X	X			Zinc Zn	0.3 X X X

Parameters	mg/l*

*values exceeding no. of places shown are reported in lab comments section.

P.R. STEADMAN — Collected by — C.P.C. Div.
H. Cabe — Transported by — LPC Div.

Surface Water: Upstream, Downstream, Lake, Run-off, Flood Water
Leachate: Flow, Pond
Groundwater: Well, Spring

LAB USE ONLY
Lab No. C000049
Date Rec'd 7-6-76
Rec'd by F. Cabrera Time 3:35 p.m.
Sample temperature acceptable Yes No
Sample properly preserved Yes No
Tests req'd 15 Tests run 15
Date analyses completed 7-26-76
Date analyses forwarded 7-26-76
Chicago — Lab Section
J. Daugherty — Supervisor
Lab Comments:

LPC-8

CC: REGION II – D.L.P.C., AURORA

100% Recycled Pa

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

RECEIVED JUL 27 1976 E.P.A. - D.L.P.C. STATE OF ILLINOIS

DIVISION OF LAND POLLUTION CONTROL ANALYSIS FORM

P.C.B. CASE PENDING C-0050 JULY 26 76

PLEASE RUSH!

KANE County — Region 2

MONTGOMERY, PHILLIPS (THOM) Municipality — Operator

GORDON CREEK RESIDENCE DIRECTLY SOUTH OF SITE Location of Location

X Routine Analysis — Rec. Date ____

1 Industrial Waste Analysis — Type of Flow ____ Leachate (ml/l)

2 Groundwater Analysis — Vol. No. ____

3 Special Analysis — Sample No. S-21

Date collected 7-6-76

Time 11:00 a.m. p.m. °C °F Sample temp.

Sample appearance: COOL X CLEAR

Collector comments: TAKEN FROM OUTSIDE SPIGOT

Type of Analysis 1	2	3	4	Parameters	mg/l*
				Alkalinity $CaCO_3$	____ . ___ X X X
X				Ammonia N	0.54 X
X	X			Arsenic As	____ . ___ X
	X			Barium Ba	____ . ___ X X X
				BOD - 5	____ . ___ X X X
X	X			Boron B	0.5 X X X
X	X			Cadmium Cd	____ . ___ X X
				Calcium Ca	____ . ___ X X X
X	X			COD	26 . X X X X
X	X			Chloride Cl	95 . X X X X
X				Chromium Cr (tot)	____ . ___ X X
X				Chromium Cr^{+6}	____ . ___ X X
X				Copper Cu	____ . ___ X X
X	X			Cyanide CN	0.01 X X
				Dissolved oxygen	____ . ___ X X X
				Fecal coli (#/100 ml.)	____ . ___ X X X X
				Fluoride F	____ . ___ X X X
				Hardness $CaCO_3$	____ . ___ X X X
X	X			Iron Fe	0.9 X X X
X	X			Lead Pb	0.02 X X
				Magnesium Mg	____ . ___ X X X
X	X			Manganese Mn	0.10 X X
X				Mercury Hg	0.0000

LPC-8

Type of Analysis 1	2	3	4	Parameters	mg/l*
		X		MBAS	____ . ___ X X X
				Nickel Ni	____ . ___ X X X
		X		Nitrate-nitrite N	____ . ___ X X
		X		Oil	____ . ___ X X X X
X	X			pH (units)	X X 8.0 X X X
X	X	X		Phenols	____ 0.000 X
				Phosphorus P	____ . ___ X X
				Potassium K	____ . ___ X X X
X	X	X		R.O.E. (180° C)	694 . X X X X
		X		Selenium Se	____ . ___ X
				Silica SiO_2	____ . ___ X X X X
	X			Silver Ag	____ . ___ X X
				Sodium Na	____ . ___ X X X
				SC (umhos/cm)	____ . ___ X X X X
X	X	X		Sulfate SO_4	150 . X X X X
X				Sulfide S	____ 1.2 X X X
				TSS	____ . ___ X X X
X	X			Zinc Zn	____ 0.8 X X X

*values exceeding no. of places shown are reported in lab comments section.

Parameters	mg/l*
	____ . ___
	____ . ___
	____ . ___
	____ . ___
	____ . ___
	____ . ___
	____ . ___
	____ . ___

P.R. STEADMAN L.P.C.
Collected by — Div.

H. Cobb LPC
Transported by — Div.

Surface Water: Upstream, Downstream, Lake, Run-off, Flood Water

Leachate: Flow, Pond

Groundwater: Well, Spring

LAB USE ONLY

Lab No. C000050

Date Rec'd 7-6-76

Rec'd by F Cabrera Time 3:35 PM

Sample temperature acceptable Yes No

Sample properly preserved Yes No

Tests req'd 15 Tests run 15

Date analyses completed 7-26-76

Date analyses forwarded 7-26-76

Chicago Daugherty
Lab Section — Supervisor

Lab Comments:

CC: REGION II - D.L.P.C. AURORA

100% Recycled Paper

KANE County, IL State

Montgomery / Phillips Facility / Operator

West of site from Fish. to Rosedale Dr.

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

DIVISION OF LAND POLLUTION CONTROL ANALYSIS FORM

RECEIVED JUL 27 1976

C 0101 JUL 19 '76 E.P.A. - D.L.P.C. STATE OF ILLINOIS

Date collected 7/9/76

Time 8:30 a.m. Sample temp. 78 °C °F

Sample appearance: Clear - out Faucet.

Collector comments:

Positive Analysis: Date Rec'd

X Industrial Waste Analysis Type of Flow: Continuous or Intermittent

Drinking Water Analysis Well No.

Special Analysis Sample No. M-4, M-4, M-4, M-4, M-4

Type of Analysis 1	2	3	Parameters	mg/l*
			Alkalinity $CaCO_3$	. X X X X
X			Ammonia N	0.41 X X
X	X		Arsenic As	0.000 X
	X		Barium Ba	. X X X
			BOD - 5	X X X X
X	X		Boron B	0 0 X X X
X	X		Cadmium Cd	0.00 X X
			Calcium Ca	. X X X
X	X		COD	4. X X X X
X	X		Chloride Cl	55. X X X X
X			Chromium Cr (tot)	0.00 X X
X			Chromium Cr^{+6}	0.00 X X
X			Copper Cu	0.10 X X
X	X		Cyanide CN	0.00X X
			Dissolved Oxygen	. X X X
			Fecal Coliform #/100 ml	. X X X X
			Fluoride F	. X X X
			Hardness $CaCO_3$	X X X
X	X		Iron Fe	3.2X X X
X	X		Lead Pb	0.00X X
			Magnesium Mg	. X X X
X	X		Manganese Mn	0.03 X X
X			Mercury Hg	0.000

Type of Analysis 1	2	3	4	Parameters	mg/l*
		X		MBAS	. X X X
				Nickel Ni	. X X X
	X	X		Nitrate-nitrite N	0.0X X X
		X		Oil	. X X X X
X	X			pH (units)	X X 7.5 X X X
	X	X		Phenols	0.000 X
				Phosphorus P	. X X
				Potassium K	. X X X
X	X	X		R.O.E. (180° C)	592. X X X X
		X		Selenium Se	. X
				Silica SiO_2	. X X X X
	X			Silver Ag	0.00 X X
				Sodium Na	. X X X
				SC (umhos/cm)	. X X X X
X	X	X		Sulfate SO_4	115. X X X X
	X			Sulfide S	1.6 X X X
				TSS	. X X X X
X	X			Zinc Zn	0.4 X X X

*values exceeding no. of places shown are reported in lab comments section.

Parameters	mg/l*
X Al	0.0XX
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HENRY COBB — Collected by — LPC Div.

H. Cobb — Transported by — LPC Div.

Surface Water: Upstream, Downstream, Lake, Run-off, Flood Water

Leachate: Flow, Pond

Groundwater: Well, Spring

LAB USE ONLY

Lab No. C000101

Date Rec'd 7-9-76

Rec'd by NKay Time 10:30 AM

Sample temperature acceptable Yes No

Sample properly preserved Yes No

Tests req'd 23 Tests run 23

Date analyses completed 7-26-76

Date analyses forwarded 7-26-76

Chicago — Lab Section — J Daugherty — Supervisor

Lab Comments:

LPC-8

100% Recycled Pap

Kane County — Region II

Montgomery / Phillips

West pit Site

Miles Coords - 12 Pasadena

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

DIVISION OF LAND POLLUTION CONTROL ANALYSIS FORM

C 0102 JUL 9 1976

Date collected 7/9/76

Time _____ p.m. 8:35 a.m. Sample temp. 78 °C °F

Sample appearance: Clear - cuts

Faucet

Collector comments:

___ Routine Analysis — Flow Rate ___

X Industrial Waste Analysis — Area of Flow (Leachate Only) ___

___ Groundwater Analysis — Well No. ___

___ Special Analysis — Sample No. M-3, M-3, M-3, M-3, M-3

Type of Analysis 1	2	3	4	Parameters	mg/l*
	X			Alkalinity $CaCO_3$	344
X	X			Ammonia N	1.2
	X	X		Arsenic As	0.000
		X		Barium Ba	
				BOD	
X	X	X		Boron	0.1
	X	X		Cadmium Cd	0.00
				Calcium Ca	
X	X	X		COD	4
X	X	X		Chloride Cl	260
	X			Chromium Cr (total)	0.00
	X			Chromium Cr^{+6}	0.00
	X			Copper Cu	0.06
	X	X		Cyanide CN	0.00
				Dissolved oxygen	
				Fecal coli (# 100 ml)	
				Fluoride F	
				Hardness $CaCO_3$	
X	X	X		Iron Fe	4.6
X	X	X		Lead Pb	0.00
				Magnesium Mg	
	X	X		Manganese Mn	0.06
	X			Mercury Hg	0.000

LPC-6

Type of Analysis 1	2	3	4	Parameters	mg/l*
		X		MBAS	
				Nickel Ni	
	X	X		Nitrate-nitrite N	0.0
		X		Oil	
X	X			pH (units)	7.4
	X	X		Phenols	0.000
				Phosphorus P	
				Potassium K	
X	X	X		R.O.E. (180° C)	948
		X		Selenium Se	
				Silica SiO_2	
	X			Silver Ag	0.00
				Sodium Na	
				SC (umhos/cm)	
X	X	X		Sulfate SO_4	130
	X			Sulfide S	0.1
				TSS	
X	X			Zinc Zn	0.1

*values exceeding no. of places shown are reported in lab comments section.

Parameters	mg/l*
X Al	0.00

HENRY C. B. — Collected by — LPC Div.

H C. B. — Transported by — LPC Div.

Surface Water: Upstream, Downstream, Lake, Run-off, Flood Water

Leachate: Flow, Pond

Groundwater: Well, Spring

LAB USE ONLY

Lab No. C000102

Date Rec'd 7-9-76

Rec'd by N Cay Time 10:30

Sample temperature acceptable Yes

Sample properly preserved Yes

Tests req'd 24 Tests run 24

Date analyses completed 7-26-76

Date analyses forwarded 7-26-76

Chicago J Daughertz

Lab Section — Supervisor

Lab Comments:

100% Recycled

None — County: Region: II

Montgomery — Phillips

Name of Site: Wax Site

H. Wesley / Pasadena Rd

Routine Analysis — Flow Rate ___

X Industrial Waste Analysis — Rate of Flow ___ (Leachate only)

Groundwater Analysis — Well No. ___

Special Analysis

Sample No. M-II, M-24, M-23, M-25

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

DIVISION OF LAND POLLUTION CONTROL ANALYSIS FORM

RECEIVED JUL 9 1976

C 0103 JUL 9 1976

Date collected 7/9/76

Time 9:00 a.m. — °C 7 — Sample temp.

Sample appearance: Clear

Collector comments: Outside faucet

Type of Analysis 1	2	3	4	Parameters	mg/l*
	X			Alkalinity $CaCO_3$	328. X X X X
X	X			Ammonia N	0.43 X X
	X	X		Arsenic As	0.000 X
		X		Barium Ba	. X X X
				BOD	. X X X X
X	X	X		Boron B	0.1 X X X
	X	X		Cadmium Cd	0.00 X X
				Calcium Ca	. X X X
X	X	X		COD	4. X X X X
X	X	X		Chloride Cl	10.0. X X X X
	X			Chromium Cr (total)	0.00 X X
	X			Chromium Cr^{+6}	0.00 X X
	X			Copper Cu	0.02 X X
	X	X		Cyanide CN	0.001 X
				Fluoride and organics	. X X X
				Fecal coliform (MF/100 ml)	. X X X X
				Fluoride F	. X X X
				Hardness $CaCO_3$	X X X
X	X	X		Iron Fe	3.2X X X
X	X	X		Lead Pb	0.00X X
				Magnesium Mg	. X X X
	X	X		Manganese Mn	0.04 X X
	X			Mercury Hg	0.0000

Type of Analysis 1	2	3	4	Parameters	mg/l*
		X		MBAS	. X X X
				Nickel Ni	. X X X
	X	X		Nitrate-nitrite N	0.1X X X
		X		Oil	. X X X X
X	X			pH (units)	X X 7.5 X X X
	X	X		Phenols	0.000 X
				Phosphorus P	. X X
				Potassium K	. X X X
X	X	X		R.O.E. (180° C)	630. X X X X
		X		Selenium Se	. X
				Silica SiO_2	. X X X X
	X			Silver Ag	0.00 X X
				Sodium Na	. X X X
				SC (umhos/cm)	. X X X X
X	X	X		Sulfate SO_4	120. X X X X
				Sulfide S	. X X X
				TSS	. X X X X
X	X			Zinc Zn	0.2 X X X

Parameters	mg/l*
X Al	0.0XX
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*values exceeding no. of places shown are reported in lab comments section.

HENRY CoBo — LPC
Collected by — Div.

H. CoBo — LPC
Transported by — Div.

Surface Water: Upstream, Downstream, Lake, Run-off, Flood Water

Leachate: Flow, Pond

Groundwater: Well, Spring

LAB USE ONLY

Lab No. C000103

Date Rec'd 7-9-76

Rec'd by NKay — Time 10:30

Sample temperature acceptable Yes

Sample properly preserved Yes

Tests req'd 23 — Tests run 23

Date analyses completed 7-26-76

Date analyses forwarded 7-26-7

Chicago — Lab Section

Supervisor

Lab Comments:

LPC-8

100% Recycled