IL-182-12

CHEMICAL AN[redacted]IS FORM

Key for Determining Type of Monitoring Point

[redacted] Surface Water	(G) Ground Water	(L) Leachate	(X) Special
[redacted] Upstream	(1) Monitor Well	(1) Flow or seep	(1) Soil
[redacted] Mid-site	(2) Private well	(2) Pond	(2) Waste
[redacted] Downstream	(3) Spring	(3) Collection System	(3) Other
[redacted] Run-off	(4) Lysimeter		
[redacted] Impounded	(5) Public W S		

Name (Private Well, Stream, Spring, Impounded Water only): MONITOR WELL

L P C G M O 1 0 (1)–(8) SITE INVENTORY NUMBER 11904007 (9)–(16)

MONITOR POINT NUMBER G102 (17)–(20) DATE COLLECTED 012683 (21)–(26)

MADISON Co. - LPC REGION S (27)

GRANITE CITY (Location) TARA CORP. (Responsible Party)

Legal (1); Illegal (2); Indicate One: 2 (28) Board Order (X) (29)

Time Collected 2:55 a.m. p.m. Unable to collect sample (X) (30)

*Stick-up 02.9 ft. TOC PVC (31)–(33) Depth to water 15.2 ft. T.O.C. PVC (34)–(36) (from T.O.C.)

Sample temp. 58° F (37)–(39) Background (X). . . . (40)

Ground water sampled by (Indicate one): (1) Bailing; (2) Pumping; (3) Other (Specify) 2 (41)

Sample Appearance: CLEAR w/ SLIGHT PUNGENT ODOR (KEPT ON ICE)

Collector comments: REMOVED 4 VOLUMES 28 QTS.; TDW = 25.6'; **PH. 6.21 (MARKSON); (FIELD FILTERED)

Collected by KEN BOSIE KEN BOSIE & DOUG TOLAN Div. or Company DLPC

Transported by KEN BOSIE Div. or Company DLPC

LAB USE ONLY

Lab

Date

Rec

EPA Region 5 Records Ctr.

257719

Sample temp. acceptable YES NO

Sample properly preserved YES NO

Date completed

Date forwarded

Supervisor Signature

Name

Address of Lab

LPCSM020

Lab Comments:

(27)–(36)

(37)–(46)

(47)–(56)

(57)–(66)

(67)–(76)

Private Lab (X) (77)

IEPA Lab (X) (78)

RECEIVED MAY 11 1983 ILL. E.P.A. – D.L.P.C. STATE OF ILLINOIS

LPCSM030

		PARAMETERS*	PPM*
27	X	Alkalinity[1]	
31		Ammonia as N	
37	X	Arsenic As	
44	X	Barium Ba	
49		BOD -5	
53	X	Boron B	
58	X	Cadmium Cd	
64		Calcium Ca	
69		COD	
73	X	Chloride Cl	

LPCSM040

27	X	Chromium Cr (tot)	
33		Chromium Cr^{+6}	
39	X	Copper Cu	
45		Cyanide CN	
52		Fecal Coli (#/100 ml)	
56	X	Fluoride F	
61		Hardness $CaCO_3$	
65	X	Iron Fe	
70	X	Lead Pb	

LPCSM050

27	X	Magnesium Mg	
32	X	Manganese Mn	
38		Mercury Hg	
46	X	Nickel Ni	
51		Nitrate-nitrite N	
56		Oil and Grease	
60	X	pH (Units)	
63		Phenolics	
70		Phosphorus P	
76		Potassium K	

LPCSM060

27	X	R.O.E. (180°C)	
31	X	Selenium Se	
38	X	Silver Ag	
44		Sodium Na	
49	X	SC (umhos/cm)	
53	X	Sulfate SO_4	
58	X	Zinc Zn	
63			

*Analyses are to be performed on unfiltered samples. *Values exceeding no. of places shown are reported in the lab comments section; tests requested but not run should also be explained in the lab comments section.

[1] Alkalinity is to be determined as ppm of $CaCO_3$ at pH 4.5.

* 2.9' = T.O.C. PVC.
3.3' = " " " METAL PROTECTING COVER (ELEV. T.O.C. 417.3)

KM PCM DS 5/16

** PH 6.21 TAKEN @ 56°F WHILE PH. 6.15 @ 57°F

IL 532-0313
LPC 8 3/77

[redacted] Water
[redacted]eam
[redacted]d-site
[redacted]ownstream
[redacted]un-off
[redacted]) Impounded

(0) Ground Water
(1) Monitor Well
(2) Private well
(3) Spring
(4) Lysimeter

([redacted]) [redacted]achate
(1) [redacted]low or seep
(2) Pond
(3) Collection System

(1) Specify
(2) Waste

RECEIVED
MAY 9 1983
E.P.A. – L.A.
STATE OF ILLINOIS

[redacted]ame (Private Well, Stream, Spring, Impounded Water only)

L P C S M 0 1 0 (8)
SITE INVENTORY NUMBER (9) (16)

[redacted]ONITOR POINT [redacted]UMBER (17) (20)
DATE COLLECTED (21) (26)

Co. - LPC REGION (27)

(Location) / (Responsible Party)

[redacted]egal (1); Illegal (2); Indicate One: (28) Board Order (X) (29)

[redacted]e Collected ____ a.m. p.m. Unable to collect sample (X) (30)

[redacted]ck-up ____ ft. (31) (33) Depth to water ____ ft. (from T.O.C.) (34) (36)

[redacted]ple temp. ____ ° (37) (39) Background (X). . . . (40)

[redacted]ound water sampled by (Indicate one): (1) Bailing; [redacted]) Pumping; (3) Other (Specify) ____ (41)

[redacted]ple Appearance: ____

[redacted]llector comments: GRANITE CITY TARA CORP G102 -

Collected by ____ Div. or Company ____

Transported by ____ Div. or Company ____

[redacted]AB USE ONLY
[redacted]ab No. B22394
[redacted]ate Rec'd JAN 27 1983
[redacted]ec'd by ____ Time ____ a.m. p.m.
[redacted]ample temp. acceptable YES NO
[redacted]ample properly preserved YES NO
[redacted]ate completed ____
[redacted]ate forwarded ____

Supervisor Signature

[redacted]ame ____
[redacted]ddress ____
[redacted] Lab ____

LPCSM020
Lab Comments:
*Boron - 1.1 (27) (36)
(37) (46)
(47) (56)
(57) (66)
(67) (76)
Private Lab (X) (77)
IEPA Lab (X) (75)

27	X	[redacted]l[redacted]ity[1]	416
31		Ammonia as N	
37	X	Arsenic As	0.005
44	X	Barium Ba	0
49		BOD -5	
53	X	Boron B *	0.7 mg/l
58		Cadmium Cd	
64		Calcium Ca	
69		COD	
73	X	Chloride Cl	39

LPCSM040

27	X	Chromium Cr (tot)	0.0
33		Chromium Cr^{+6}	
39	X	Copper Cu	0.0
45		Cyanide[2] CN	
52		Fecal Coli (#/100 ml)	
56	X	Fluoride F	0.1
61		Hardness $CaCO_3$	
65	X	Iron Fe	2.8
70	X	Lead Pb	0.0

LPCSM050

27	X	Magnesium Mg	46.
32	X	Manganese Mn	1.9
38		Mercury Hg	
46	X	Nickel Ni	0.0
51		Nitrate-nitrite N	
56		Oil and Grease	
60	X	pH (Units)	6.9
63		Phenolics	
70		Phosphorus P	
75		Potassium K	

LPCSM060

27	X	R.O.E. (180°C)	894
31	X	Selenium Se	0.00
36	X	Silver Ag	0.00
44		Sodium Na	
49	X	SC (umhos/cm)	1250
53	X	Sulfate SO_4	224
58	X	Zinc Zn	0.1
63			

[1]Alkalinity is to be determined as ppm of $CaCO_3$ at pH 4.5.

[2]Cyanide is to be reported as free cyanide.

[redacted]alyses are to be performed on unfiltered samples. *Values [redacted]eading no. of places shown are reported in the lab comments section; [redacted]ts requested but not run should also be explained in the lab [redacted]ments section.

Results taken from Laboratory Records

[redacted]-8 REV. 3/77

CHAMPAIGN
Ray Frazier

CHEMICAL ANALYSIS FORM

RECEIVED APR 13 1983 E.P.A. - D.L.P.C. STATE OF ILLINOIS

Key for Determining Type of Monitoring Point

(S) Surface Water	(G) Ground Water	(L) Leachate	(X) Special
(1) Upstream	(1) Monitor Well	(1) Flow or seep	(1) Waste
(2) Mid-site	(2) Private well	(2) Pond	(2) Other
(3) Downstream	(3) Spring	(3) Collection System	
(4) Run-off	(4) Lysimeter		
(5) Impounded	(5) Public W S		

Name MONITOR WELL (Private Well, Stream, Spring, Impounded Water only)

(1) L P C S M 0 1 0 (8) SITE INVENTORY NUMBER (9) 11904007 (16)

MONITOR POINT NUMBER (17) G 101 (20) DATE COLLECTED (21) 022883 (26)

MADISON Co. - LPC REGION (27) S

GRANITE CITY (Location) / TARA CORP. (Responsible Party)

Legal (1); Illegal (2); Indicate One: (28) 2 Board Order (X) (29)

Time Collected 9:14 a.m. p.m. Unable to collect sample (X) (30)

Stick-up (32) (33) ft. Depth to water (from T.O.C.) (34) 19.0 (36) ft. T.O.C. (METAL)

Sample temp. (38) 60 °F Background (X). . . . (40)

Ground water sampled by (Indicate one): (1) Bailing; (2) Pumping; (3) Other (Specify) (41) 2

Sample Appearance: CLEAR w/ ~~SLIGHT~~ VERY SLIGHT ODOR

Collector comments: REMOVED FOUR VOLUMES; FILTERED SAMPLES Ph - 6.85 TDW = 29?

KEN BOSIE & DOUG TOLIN DLPC
Collected by Div. or Company

KEN BOSIE DLPC
Transported by Div. or Company

LAB USE ONLY

Lab No. B 27259

Date Rec'd MAR -1. 1983

Rec'd by RBR Time 12:20 a.m. p.m.

Sample temp. acceptable YES NO

Sample properly preserved YES NO

Date completed

Date forwarded APR 11 1983

CHAMPAIGN
Supervisor Signature

Name
Address
of Lab

LPCSM020
Lab Comments:

(27) (36)
(37) (46)
(47) (56)
(57) (66)
(67) (76)

RECEIVED APR 18 1983 E.P.A. - D.L.P.C. STATE OF ILLINOIS

Private Lab (X) (77)

IEPA Lab (X) (78)

LPCSM030

		PARAMETERS*	PPM*
27	X	Alkalinity[1]	380
31		Ammonia as N	
37	X	Arsenic As	0.090
44	X	Barium Ba	0.4
49		BOD -5	
53	X	Boron B	0.7
58	X	Cadmium Cd	0.00
64		Calcium Ca	
69		COD	
73	X	Chloride Cl	66

LPCSM040

27	X	Chromium Cr (tot)	0.00
33		Chromium Cr^{+6}	0.00
39	X	Copper Cu	0.01
45		Cyanide CN	
52		Fecal Coli (#/100 ml)	
56	X	Fluoride F	0.6
61	X	Hardness $CaCO_3$	547
65	X	Iron Fe	53.0
70	X	Lead Pb	0.0

LPCSM050

27	X	Magnesium Mg	32.5
32	X	Manganese Mn	0.0
38		Mercury Hg	
46	X	Nickel Ni	0.0
51		Nitrate-nitrite N	
56		Oil and Grease	
60	X	pH (Units)	6.8
63		Phenolics	
70		Phosphorus P	
75		Potassium K	

LPCSM060

27	X	B.O.D. (180°C)	*
31	X	Selenium Se	<0.001
36	X	Silver Ag	0.02
44		Sodium Na	
49	X	SC (umhos/cm)	1500
53	X	Sulfate SO_4	439
58	X	Zinc Zn	0.2
63			

*Analyses are to be performed on unfiltered samples. *Values exceeding no. of places shown are reported in the lab comments section; tests requested but not run should also be explained in the lab comments section.

[1]Alkalinity is to be determined as ppm of $CaCO_3$ at pH 4.5.

* Sample discarded before analy

DS 4/19

LPC-8 REV. 7/77

DIVISION OF LAND/NOISE POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

RECEIVED
MAR 3 1983
E.P.A. - D.L.P.C.
STATE OF ILLINOIS

Key for Determining Type of Monitoring Point

(S) Surface Water	(G) Ground Water	(L) Leachate	(X) Special
(1) Upstream	(1) Monitor Well	(1) Flow or seep	
(2) Mid-site	(2) Private well	(2) Pond	(2) Waste
(3) Downstream	(3) Spring	(3) Collection System	(3) Other
(4) Run-off	(4) Lysimeter		
(5) Impounded	(5) Public W S		

Name MONITOR WELL (Private Well, Stream, Spring, Impounded Water only)

(1) L P C S M 0 1 0 (8) SITE INVENTORY NUMBER (9) 1 1 9 0 4 0 0 7 (16)

MONITOR POINT NUMBER (17) G 1 0 2 (20) DATE COLLECTED (21) 0 2 2 8 8 3 (26)

MADISON Co. - LPC REGION (27) 5

GRANITE CITY (Location) / TARA CORP. (Responsible Party)

Legal (1); Illegal (2); Indicate One: (28) 2 Board Order (X) (29)

Time Collected 10:15 a.m. p.m. Unable to collect sample (X) (30)

Stick-up (31) . (33) ft. Depth to water (from T.O.C.) (34) 15.7 (36) ft. T.O.C. (METAL)

Sample temp. (37) 59 (39) F Background (X). . . . (40)

Ground water sampled by (Indicate one): (1) Bailing; (2) Pumping; (3) Other (Specify) (41) 2

Sample Appearance: CLEAR W/ NO NOTICABLE ODOR

Collector comments: Filled Four Volumes; Filtered Sample; Ph - 6.70 (METER); TDW = 26°
KEN BAGE & DOUG TOLAR DLPC

Collected by KEN BAGE Div. or Company DLPC

Transported by [redacted] Div. or Company

LAB USE ONLY

Lab No. U-27280

Date Rec'd MAR -1 1983

Rec'd by RC Time 12:20 a.m. p.m.

Sample temp. acceptable YES NO

Sample properly preserved YES NO

Date completed

Date forwarded APR 11 1983

CHAMPAIGN

Supervisor Signature

Name

Address of Lab

LPCSM020
Lab Comments:

(27) (36)

(37) (46)

(47) (56)

(57) (66)

(67) (76)

Private Lab (X)

IEPA Lab (X) (77)

RECEIVED
APR 18 1983
ILL. E.P.A. - D.L.P.C.
STATE OF ILLINOIS

LPCSM030

		PARAMETERS*	PPM*
27	X	Alkalinity[1]	432.
31		Ammonia as N	.
37	X	Arsenic As	0.006
44	X	Barium Ba	0.2
49		BOD - 5	.
53	X	Boron B	1.2
58	X	Cadmium Cd	0.00
64		Calcium Ca	.
69		COD	.
73	X	Chloride Cl	28.

LPCSM040

27	X	Chromium Cr (tot)	0.00
33		Chromium Cr^{+6}	ØB2
39	X	Copper Cu	0.00
45		Cyanide CN	.
52		Fecal Coli (#/100 ml)	.
56	X	Fluoride F	0.1
61	X	Hardness $CaCO_3$	664.
65	X	Iron Fe	0.7
70	X	Lead Pb	0.0

LPCSM050

27	X	Magnesium Mg	52.7
32	X	Manganese Mn	0.0
38		Mercury Hg	.
46	X	Nickel Ni	0.0
51		Nitrate-nitrite N	.
56		Oil and Grease	.
60	X	pH (Units)	6.7
63		Phenolics	.
70		Phosphorus P	.
75		Potassium K	.

LPCSM060

27	X	R.O.E. (180°C)	*
31	X	Selenium Se	0.004
36	X	Silver Ag	0.01
42		Sodium Na	.
49	X	SC (umhos/cm)	1260.
53	X	Sulfate SO_4	310.
58	X	Zinc Zn	0.1
			.

*Analyses are to be performed on unfiltered samples. *Values exceeding no. of places shown are reported in the lab comments section; tests requested but not run should also be explained in the lab comments section.

[1] Alkalinity is to be determined as ppm of $CaCO_3$ at pH 4.5.

* Sample discarded before analys

LPC-8 REV. 7/77

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

RECEIVED
APR 13 1983
E.P.A. D.L.P.C.
STATE OF ILLINOIS

Key for Determining Type of Monitoring Point

(1) Surface Water	(2) Ground Water	(3) Leachate	(X) Special
(1) Upstream	(1) Monitor Well	(1) Flow or seep	(1) Soil
(2) Mid-site	(2) Private well	(2) Pond	(2) Waste
(3) Downstream	(3) Spring	(3) Collection System	(3) Other
(4) Run-off	(4) Lysimeter		
(5) Impounded	(5) Public W S		

Name (Private Well, Stream, Spring, Impounded Water only) MONITOR WELL

P C S M 0 1 0 (3) SITE INVENTORY NUMBER (9) 1190400 2 (16)

MONITOR POINT NUMBER (17) G103 (20) DATE COLLECTED (21) 022883 (26)

MADISON Co. - LPC REGION (27) S

GRANITE CITY (Location) / TARA CORP. (Responsible Party)

Legal (1); Illegal (2); Indicate One: (28) 2 Board Order (X) (29)

Time Collected 11:05 a.m. p.m. Unable to collect sample (X) (30)

Stick-up (31) ___ (32) ___ ft. Depth to water (from T.O.C.) (34) 15.7 (36) ft.

Sample temp. (37) 59 (39) °F Background (X). . . . (40)

Ground water sampled by (Indicate one): (1) Bailing; (2) Pumping; (3) Other (Specify) ___ (41) 2

Sample Appearance: CLEAR - NO NOTICABLE ODOR

Collector comments: REMOVED FOUR VOLUMES; FILTERED SAMPLES pH - 6.59 (METER); TDW 24.2'

Collected by GEN BOSIE & DOUG TOLAN Div. or Company DLPC

Transported by GEN BOSIE Div. or Company DLPC

USE ONLY
No. B 27261
Rec'd MAR -1 1983
by RBM Time 12:X a.m. p.m.
Sample temp. acceptable YES NO
Sample properly preserved YES NO
Completed
Forwarded APR 11 1983
CHAMPAIGN
Supervisor Signature

LPCSM020
Lab Comments:

(27) ___ (36)
(37) ___ (46)
(47) ___ (56)
(57) ___ (66)
(67) ___ (76)

Private Lab (X)
IEPA Lab (X) (77) X (78)

RECEIVED
APR 18 1983
ILL. E.P.A. – D.L.P.C.
STATE OF ILLINOIS

		PARAMETERS	PPM*
		LPCSM030	
27	X	Alkalinity[1]	359
31		Ammonia as N	
37	X	Arsenic As	<0.001
44	X	Barium Ba	0.2
49		BOD 5	
53	X	Boron B	0.8
58	X	Cadmium Cd	0.00
64		Calcium Ca	
69		COD	
73	X	Chloride Cl	13
		LPCSM040	
27	X	Chromium Cr (tot)	0.00
33		Chromium Cr+6	
39	X	Copper Cu	0.00
45		Cyanide CN	
52		Fecal Coli (#/100 ml)	
56	X	Fluoride F	0.1
61	X	Hardness $CaCO_3$	662
65	X	Iron Fe	0.0
70	X	Lead Pb	0.0
		LPCSM050	
27	X	Magnesium Mg	52.2
32	X	Manganese Mn	0.0
38		Mercury Hg	
46	X	Nickel Ni	0.0
52		Nitrate-nitrite N	
56		Oil and Grease	
60	X	pH (Units)	6.9
63		Phenolics	
70		Phosphorus P	
75		Potassium K	
		LPCSM060	
27	X	R.O.E. (180°C)	*
31	X	Selenium Se	0.002
38	X	Silver Ag	0.00
		Sodium Na	
49	X	SC (umhos/cm)	1290
53	X	Sulfate SO_4	415
58	X	Zinc Zn	0.1

s are to be performed on unfiltered samples. *Values ; no. of places shown are reported in the lab comments section; quested but not run should also be explained in the lab section.

[1]Alkalinity is to be determined as ppm of $CaCO_3$ at pH 4.5.

* Sample discarded before analysis

ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

RECEIVED
APR 13 1983
E.P.A. — D.L.P.C.
STATE OF ILLINOIS

Key for Determining Type of Monitoring Point

(S) Surface Water	(G) Ground Water	(L) Leachate	(X) Special
(1) Upstream	(1) Monitor Well	(1) Flow or seep	(1) Soil
(2) Mid-site	(2) Private well	(2) Pond	(2) Waste
(3) Downstream	(3) Spring	(3) Collection System	(3) Other
(4) Run-off	(4) Lysimeter		
(5) Impounded	(5) Public W S		

Name MONITOR WELL (Private Well, Stream, Spring, Impounded Water only)

(1) L P C S M O 1 0 (5) SITE INVENTORY NUMBER 11904007 (9) (16)

MONITOR POINT NUMBER G1.04 (17) (20) DATE COLLECTED 022883 (21) (26)

MADISON Co. - LPC REGION S (27)

GRANITE CITY (Location) / TARA CORP. (Responsible Party)

Legal (1); Illegal (2); Indicate One: 2 (28) Board Order (X) (29)

Time Collected 12:01 a.m. p.m. Unable to collect sample (X) (30)

Stick-up ___ ft. (31) (33) Depth to water 20.2 ft. (from T.O.C.) (34) (36) TOC (METER)

Sample temp. ___ °C (37) (44) Background (X). . . . (40)

Ground water sampled by (Indicate one): (1) Bailing; (2) Pumping; (3) Other (Specify) ___ 2 (41)

Sample Appearance: CLEAR; NO NOTICABLE ODOR

Collector comments: REMOVED 4 VOLUMES; FILTERED SAMPLES Ph - 6.60 (METER); TDW. 29.5'

KEN BOSIE & DOUG TOLAN (Collected by) DLPC (Div. or Company)

KEN BOSIE (Transported by) DLPC (Div. or Company)

LAB USE ONLY

Lab No. B 27252

Date Rec'd MAR -1 1983

Rec'd by [illegible] Time 12:20 a.m. p.m.

Sample temp. acceptable YES NO

Sample properly preserved YES NO

Date completed

Date forwarded APR 11 1983

CHAMPAIGN

Supervisor Signature

Name

Address of Lab

LPCSM020
Lab Comments:

(27) (36)

(37) (46)

(47) (56)

(57) (66)

(67) (76)

Private Lab (X)

IEPA Lab (X) (77)

RECEIVED
APR 18 1983
E.P.A. — D.L.P.C.
STATE OF ILLINOIS

LPCSM030

	PARAMETERS*	PPM*
27	Alkalinity	196
31	Ammonia as N	
37	Arsenic As	0.002
44	Barium Ba	0.0
49	BOD	
53	Boron B	0.5
58	Cadmium Cd	
64	Calcium Ca	
69	COD	
73	Chloride Cl	68

LPCSM040

27	Chromium Cr (tot)	0.00
33	Chromium Cr^{+6}	
39	Copper Cu	0.00
45	Cyanide CN	
52	Fecal Coli (#/100 ml)	
56	Fluoride F	0.2
61	Hardness $CaCO_3$	304
65	Iron Fe	0.0
70	Lead Pb	0.0

LPCSM050

27	Magnesium Mg	18.7
32	Manganese Mn	0.0
38	Mercury Hg	
46	Nickel Ni	0.0
51	Nitrate-nitrite N	
56	Oil and Grease	
60	pH (Units)	6.7
63	Phenolics	
70	Phosphorus P	
75	Potassium K	

LPCSM060

27	R.O.E. (180°C)	*
31	Selenium Se	0.001
38	Silver Ag	0.00
43	Sodium Na	
49	SC (umhos/cm)	850
53	Sulfate SO_4	155
55	Zinc Zn	0.1

*Analyses are to be performed on unfiltered samples. Values exceeding no. of places shown are reported in the lab comments section; tests requested but not run should also be explained in the lab comments section.

*Alkalinity is to be determined as ppm of $CaCO_3$ at pH 4.5.

* sample discarded before analysis.

LPC-8 REV. 7/77

DS 4/19

CHEMICAL ANALYSIS FORM

Key for Determining Type of Monitoring Point

(S) Surface Water	(G) Ground Water	(L) Leachate	(X) Special
(1) Upstream	(1) Monitor Well	(1) Flow or seep	(1) Soil
(2) Mid-site	(2) Private well	(2) Pond	(2) Waste
(3) Downstream	(3) Spring	(3) Collection System	(3) Other
(4) Run-off	(4) Lysimeter		
(5) Impounded	(5) Public W S		

Name (Private Well, Stream, Spring, Impounded Water only)

(1) L P C S M 0 1 0 (8) SITE INVENTORY NUMBER (9) 1 9 9 4 0 0 7 (16)

MONITOR POINT NUMBER (17) G 2 0 3 (20) DATE COLLECTED (21) 1 1 1 6 8 3 (26)

Madison Co. - LPC REGION (27) C

(Location) Granite City / (Responsible Party) Tarcomp

Legal (1); Illegal (2); Indicate One: (28) 2 Board Order (X) (29)

Time Collected 10:30 (a.m.) p.m. Unable to collect sample (X) (30)

Stick-up (31) 0.3 (33) ft. Depth to water (from T.O.C.) (34) 1 8 . 8 (36) ft.

Sample temp. (37) ___ (39) ° Background (X). . . . (40)

Ground water sampled by (Indicate one): (1) Bailing; (2) Pumping; (3) Other (Specify) (41) 2

Sample Appearance: colorless, turbid

Collector comments: (2) 8 oz. metal bottles collected filtered in office

R.C. Mann — LPC
Collected by — Div. or Company

J.P. Evans — LPC
Reported by — Div. or Company

J.P. Henry

LAB USE ONLY

Lab No. B015338

Date Rec'd NOV 1 1983

Rec'd by CTN Time 610 a.m. p.m.

Sample temp. acceptable YES NO

Sample properly preserved YES NO

Date completed

Date forwarded OCT 19 1982

CHAMPAIGN

Supervisor Signature

Name

Address of Lab

LPCSM020

Lab Comments:

(27) ___ (36)

(37) ___ (46)

(47) ___ (56)

(57) ___ (66)

(67) ___ (76)

Private Lab (X) (77)

IEPA Lab (X) (78)

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LPCSM030

		PARAMETERS	PPM*
27	X	Alkalinity[1]	390
31		Ammonia as N	
37	X	Arsenic As	0.006
44	X	Barium Ba	
49		BOD -5	
53	X	Boron B	0.8
58	X	Cadmium Cd	
64		Calcium Ca	
69		COD	
73	X	Chloride Cl	14

LPCSM040

27	X	Chromium Cr (tot)	
33		Chromium Cr^{+6}	
39	X	Copper Cu	
45		Cyanide CN	
52		Fecal Coli (#/100 ml)	
56	X	Fluoride F	0.2
61		Hardness $CaCO_3$	
65	X	Iron Fe	
70	X	Lead Pb <0.005	0.00

LPCSM050

27	X	Magnesium Mg	
32	X	Manganese Mn	
38		Mercury Hg	
46	X	Nickel Ni	
51	X	Nitrate-nitrite N	
56		Oil and Grease	
60	X	pH (Units)	7.4
63		Phenolics	
70		Phosphorus P	
76		Potassium K	

LPCSM060

27	X	B.O.E. (180°C)	1087
31	X	Selenium Se	
36	X	Silver Ag	
44		Sodium Na	
49	X	SC (umhos/cm)	1170
53	X	Sulfate SO_4	262
58	X	Zinc Zn	
63			

*Analyses are to be performed on unfiltered samples. *Values exceeding no. of places shown are reported in the lab comments section; tests requested but not run should also be explained in the lab comments section.

[1] Alkalinity is to be determined as ppm of $CaCO_3$ at pH 4.5.

CR

IPCB REV. 7/77

Supervisor Stephen M. Muir SM
Champaign Lab ID # B 15338.

I C P P
I C PPP
I C P
IIIII CCCC P

Computer Coded Data

Station Code SC: _ _ _ _ _ _ _ _ _ _ Yr. Mo. Day _ _ _ _ _ _ Hr. Min. _ _ _ _
1 5 10 11 16 17 21

Parameter	Parameter Code	Value	Rmks	Parameter	Parameter Code	Value	Rmks
				NEXT CARD REPEAT COLUMNS 1-21 ABOVE			
Ca (D,mg/1)	E00915	136		Pb (D,ug/1)	E01049	50	K
	22 28	29 35			22 28	29 35	
Mg (D,mg/1)	E00925	38		Mn (D,ug/1)	E01056	662	
	36 42	43 49			36 42	43 49	
Na (D,mg/1)	E00930	45		Ni (D,ug/1)	E01065	27	
	50 56	57 63			50 56	57 63	
K (D,mg/1)	E00935	4.8		As (D,ug/1)	E01075	3	K
	64 70	71 77			64 70	71 77	
NEXT CARD REPEAT COLUMNS 1-21 ABOVE				NEXT CARD REPEAT COLUMNS 1-21 ABOVE			
Ba (D,ug/1)	E01005	86		Sr (D,ug/1)	E01080	260	
	22 28	29 35			22 28	29 35	
B (D,ug/1)	E01020	648		V (D,ug/1)	E01085	5	K
	36 42	43 49			36 42	43 49	
Be (D,ug/1)	E01010	0.5	K	Zn (D,ug/1)	E01090	50	K
	50 56	57 63			50 56	57 63	
Cd (D,ug/1)	E01025	AA= 5. ~~5~~		Hardns.(mg/1)	E00900	494	C
	64 70	71 77			64 70	71 77	
NEXT CARD REPEAT COLUMNS 1-21 ABOVE				NEXT CARD REPEAT COLUMNS 1-21 ABOVE			
Cr (D,ug/1)	E01030	5	K				
	22 28	29 35			22 28	29 35	
Cu (D,ug/1)	E01040	31					
	36 42	43 49			36 42	43 49	
Co (D,ug/1)	E01035	5	K				
	50 56	57 63			50 56	57 63	
Fe (D,ug/1)	E01046	166					
	64 70	71 77			64 70	71 77	

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DIVISION OF LAND/NOISE POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

Key for Determining Type of Monitoring Point

(S) Surface Water	(G) Ground Water	(L) Leachate	(X) Special
1) Upwtream	(1) Monitor Well	(1) Flow or seep	(1) Soil
2) Mid-site	(2) Private well	(2) Pond	(2) Waste
3) Downstream	(3) Spring	(3) Collection System	(3) Other
4) Run-off	(4) Lysimeter		
5) Impounded	(5) Public W S		

Name (Private Well, Stream, Spring, Impounded Water only)

L P C S M 0 1 0 (8) SITE INVENTORY NUMBER (9) 1 1 9 4 0 0 7 (16)

MONITOR POINT NUMBER (17) C 1 0 4 (20) DATE COLLECTED (21) 1 1 1 6 8 2 (26)

Madison Co. - LPC REGION (27) 5

Granite City / Teracorp
(Location) (Responsible Party)

Legal (1); Illegal (2); Indicate One: (28) 2 Board Order (X) (29)

Time Collected 10:50 a.m. p.m. Unable to collect sample (X) (30)

Stick-up (31) 0 (33) 3.0 ft. Depth to water (from T.O.C.) (34) 2 (36) 3.1 ft.

Sample temp. (37) — (39) °

Background (X). . . . (40)

Ground water sampled by (Indicate one): (1) Bailing; (2) Pumping; (3) Other (Specify) (41) 2

Sample Appearance: clear, slight turbid

Collector comments: (2) 5gr [illegible] collected filtered in a file

C.C. Pilum — LAC
Collected by — Div. or Company

J.P. Henry — LAC
Transported by — Div. or Company

LAB USE ONLY

Lab No. B015339

Date Rec'd NOV 17 1982

Rec'd by CTN Time 610 a.m. p.m.

Sample temp. acceptable YES NO

Sample property preserved YES NO

Date completed

Date Form mailed 1982

CHAMPAIGN
Supervisor Signature

Name
Address
of Lab

LPCSM020
Lab Comments:

(27) — (36)

(37) — (46)

(47) — (56)

(57) — (66)

(67) — (76)

Private Lab (X) (77)

IEPA Lab (X) (78)

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STATE OF ILLINOIS

LPCSM030

		PARAMETERS*	PPM*
27	X	Alkalinity[1]	283
31		Ammonia as N	
37	X	Arsenic As	0.002
44	X	Barium Ba	
49		BOD -5	
53	X	Boron B	0.5
58	X	Cadmium Cd	
64		Calcium Ca	
69		COD	
73	X	Chloride Cl	91

LPCSM040

27	X	Chromium Cr (tot)	
33		Chromium Cr^{+6}	
39	X	Copper Cu	
45		Cyanide CN	
52		Fecal Coli (#/100 ml)	
56	X	Fluoride F	0.2
61		Hardness $CaCO_3$	
65	X	Iron Fe	
70	X	Lead Pb	<0.06

LPCSM050

27	X	Magnesium Mg	
32	X	Manganese Mn	
38		Mercury Hg	
46	X	Nickel Ni	
51		Nitrate-nitrite N	
56		Oil and Grease	
60	X	pH (Units)	7.3
63		Phenolics	
70		Phosphorus P	
75		Potassium K	

LPCSM060

27	X	R.O.E. (180°C)	875
31	X	Selenium Se	
38	X	Silver Ag	
44		Sodium Na	
49	X	SC (umhos/cm)	1220
53	X	Sulfate SO_4	220
58	X	Zinc Zn	
63			

*Analyses are to be performed on unfiltered samples. *Values exceeding max. [illegible] shown are reported in the lab comments section; tests requested but not run should also be explained in the lab comments section.

[1] Alkalinity is to be determined as mg/l $CaCO_3$ at pH 4.5.

(R)

LPC-2 [illegible] 7/77

Supervisor Stephen M. Muir SM
Champaign Lab ID # B 15339.

```
IIIII     CCCC     PPP
  I       C        P  P
  I       C        PPP
  I       C        P
IIIII     CCCC     P
```

Computer Coded Data

Station Code SC. _ _ _ _ _ . Yr. Mo. Day _ _ _ _ _ _ Hr. Min. _ _ _ _.
1 5 10 11 16 17 21

Parameter	Parameter Code	Value	Rmks	Parameter	Parameter Code	Value	Rmks
NEXT CARD REPEAT COLUMNS 1-21 ABOVE							
[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	
	22 28	29 35			22 28	29 35	
Mg (D,mg/l)	E00925.	___26..		Mn (D,ug/l)	E01056.	_1411..	
	36 42	43 49			36 42	43 49	
Na (D,mg/l)	E00930.	___39..		Ni (D,ug/l)	E01065.	___22..	
	50 56	57 63			50 56	57 63	
K (D,mg/l)	E00935.	___5.3.		As (D,ug/l)	E01025.	____7..	
	64 70	71 77			64 70	71 77	
NEXT CARD REPEAT COLUMNS 1-21 ABOVE				NEXT CARD REPEAT COLUMNS 1-21 ABOVE			
Ba (D,ug/l)	E01005.	___87..		Sr (D,ug/l)	E01080.	__393..	
	22 28	29 35			22 28	29 35	
B (D,ug/l)	E01020.	__442..		V (D,ug/l)	E01085.	____6..	
	36 42	43 49			36 42	43 49	
Be (D,ug/l)	E01010.	__0.5K.		Zn (D,ug/l)	E01090.	__50.K.	
	50 56	57 63			50 56	57 63	
Cd (D,ug/l)	E01025.	AA= 2 ____6..		Hardns.(mg/l)	E00900.	_512.C.	
	64 70	71 77			64 70	71 77	
NEXT CARD REPEAT COLUMNS 1-21 ABOVE				NEXT CARD REPEAT COLUMNS 1-21 ABOVE			
Cr (D,ug/l)	E01030.	____6..				_____.	_____.
	22 28	29 35			22 28	29 35	
Cu (D,ug/l)	E01040.	___14..				_____.	_____.
	36 42	43 49			36 42	43 49	
Co (D,ug/l)	E01035.	___11..				_____.	_____.
	50 56	57 63			50 56	57 63	
Fe (D,ug/l)	E01046.	__162..				_____.	_____.
	64 70	71 77			64 70	71 77	

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STATE OF ILLINOIS