WALKER & ASSOCIATES INC.
640 AXMINISTER DRIVE
FENTON, MO. 63026

TELEPHONE
314/343-6111

JAMES W. WALKER
EDGAR H. FALKNER
DONALD H. HALLEMEIER

EPA Region 5 Records Ctr.
298173

September 10, 1984

Mr. Joel McKell
Plant Engineer
Chemetco
Route 3 and Oldenburg Roads
Hartford, Illinois
62048

Dear Mr. McKell:

We have completed the work outlined in our proposal dated August 14, 1984.

Volume of materials measured using photography flown August 20, 1984 is 5,559,054 cubic feet.

Attached are the following items:

A. Topo map, pencil on mylar, at scale 1"=40' with 1' contours. Taped to the map is guide used for cross section layout.

B. Plotted cross sections.

C. Computer print out of digitized cross sections (North stationing - west offsets were used for volume calculation).

D. Contact print 85-40.

RECEIVED
JAN 07 1985
EPA-DIRC

We have retained the aerial photo showing ground controls. Should you need measurement repeated in the future at least some of the control can be reused.

We appreciate the opportunity of servicing your aerial survey needs.

Very truly yours,

WALKER & ASSOCIATES, INC.

James W. Walker

James W. Walker
President

JWW/hmw
Enclosures

Attachment I

SIUE Southern Illinois University at Edwardsville

School of Business
Economics Department

November 6, 1984

Memorandum to: Joel McKell

From: Don Elliott
Sandy Levin

Subject: Sample Locations for Lead Leach Test

Attached is a copy of the topographical map of the slag pile and forty individual sheets.

Forty grids twenty feet square are indicated on the topographical map. They are divided into the first sample of twenty and the second sample of twenty. Please return a copy of the map as we discussed.

Each of the forty individual sheets represents one of the forty grids. Pages 1-20 are for the first group, and pages 21-40 are for the second group of 20. The location of the grid is keyed to the grid coordinates on the topographical map. For instance, the first sheet is 25, E, which can be located on the map.

One two foot by two foot square has been selected from each of the twenty foot square grids. This is the square from which samples are to be drawn, and it is indicated on each of the forty sheets. The height of the slag pile at this location is indicated in the square. For example, the square on the first page is 36 feet high. From each square, three samples are to be drawn. Each sheet indicates at which depths down from the top these three samples are to be taken. For the first sheet, the samples are to be taken at depths down from the top of 4 feet, 32 feet, and 35 feet.

After the samples are taken from the first twenty areas, for a total of 60 samples, the remaining 20 two foot squares must be protected from dumping activity until it is determined if they will need to be sampled and, if so, the sampling is completed.

We understand that it may not be possible to sample precisely from the locations and at the depths indicated. Your best effort to be as precise as possible, however, will be sufficient to insure randomness.

Please contact us at any time if you have any questions.

RECEIVED
JAN 07 1985
IEPA-DLPC

Attachment II

Rm. 3130, Building III, Edwardsville, Illinois 62026 (618) 692-2542

Southern

L 1198010003
ILD 048843809

ENVIRONMENTAL ANALYSIS, INC.
ANALYTICAL CHEMISTRY · RESEARCH · FIELD STUDIES
3278 N. LINDBERGH BLVD. FLORISSANT, MO. 63033 PHONE 1-314-921-4488

Date 09-07-84
Report No. 15726
Lab No. 510307 thru 12
P.O. No.

Mr. W. A. Enrico
CHEMETCO
Post Office Box 187
Alton, IL 62002

REPORT OF ANALYSIS

Subject: Analysis of well water samples in accordance with Standard Methods for the Examination of Water and Wastewater, 15th Edition, 1980.

Sample Identification:
#1 - MW-1, 8-7-84.
#2 - MW-2, 8-7-84, 1130.
#3 - MW-2B, 8-7-84, 1120.
#4 - MW-3, 8-7-84, 1015.
#5 - MW-4, 8-7-84.
#6 - MW-4A, 8-7-84, 1450.

RECEIVED
SEP 21 1984
ILL. E.P.A. - D.L.P.C.
STATE OF ILLINOIS

Results of Analysis:

	# 1	# 2	# 3	# 4	# 5	# 6
Boron, mg B/l	1.16	1.77	1.71	1.04	2.91	3.82
Chloride, mg Cl/l	427	167	125	358	1373	1753
Copper, mg Cu/l	2.92	0.124	2940	0.059	0.109	593
Nickel, mg Ni/l	0.08	2.22	1580	0.03	0.26	345
pH Value, pH Units	7.24	6.50	1.80	7.53	6.45	2.91
Solids, (diss.) mg/l	1942	3394	43952	1688	14038	14664
Zinc, mg Zn/l	1.83	0.041	39.8	0.203	0.103	31.5

Respectfully submmitted,

R. M. Ferris, Director

RECEIVED
SEP 25 1984
IEPA-DLPC

ENVIRONMENTAL ANALYSIS, INC.

ANALYTICAL CHEMISTRY - RESEARCH - FIELD STUDIES

3278 N. LINDBERGH BLVD. FLORISSANT, MO. 63033 PHONE 1-314-921-4488

Date 09-07-84
Report No. 15726
Lab No. 510307 thru 12
P.O. No.

Mr. W. A. Enrico
CHEMETCO
Post Office Box 187
Alton, IL 62002

REPORT OF ANALYSIS

Subject: Analysis of well water samples in accordance with Standard Methods for the Examination of Water and Wastewater, 15th Edition, 1980.

Sample Identification:
#1 - MW-1, 8-7-84.
#2 - MW-2, 8-7-84, 1130.
#3 - MW-2B, 8-7-84, 1120.
#4 - MW-3, 8-7-84, 1015.
#5 - MW-4, 8-7-84.
#6 - MW-4A, 8-7-84, 1450.

RECEIVED
SEP 21 1984
ILL. E.P.A. - D.L.P.C.
STATE OF ILLINOIS

Results of Analysis:

	# 1	# 2	# 3	# 4	# 5	# 6
Boron, mg B/l	1.16	1.77	1.71	1.04	2.91	3.82
Chloride, mg Cl/l	427	167	125	358	1373	1753
Copper, mg Cu/l	2.92	0.124	2940	0.059	0.109	593
Nickel, mg Ni/l	0.08	2.22	1580	0.03	0.26	345
pH Value, pH Units	7.24	6.50	1.80	7.53	6.45	2.91
Solids, (diss.) mg/l	1942	3394	43952	1688	14038	14664
Zinc, mg Zn/l	1.83	0.041	39.8	0.203	0.103	31.5

Respectfully submmitted,

R. M. Ferris, Director

RECEIVED
SEP 25 1984
IEPA-DLPC

ENVIRONMENTAL ANALYSIS, INC.

ANALYTICAL CHEMISTRY · RESEARCH · FIELD STUDIES

3278 N. LINDBERGH BLVD. FLORISSANT, MO. 63033 PHONE 1-314-921-4488

Date 09-07-84
Report No. 15727
Lab No. 510313 thru 18
P.O. No.

Mr. W. A. Enrico
CHEMETCO
Post Office Box 187
Alton, IL 62002

REPORT OF ANALYSIS

Subject: Analysis of well water samples in accordance with Standard Methods for the Examination of Water and Wastewater, 15th Edition, 1980.

Sample Identification:
#1 - MW-5, 8-7-84, 1315.
#2 - MW-5A, 8-7-84, 1305.
#3 - MW-7, 8-7-84, 1230.
#4 - MW-7A, 8-7-84, 1220.
#5 - MW-8, 8-7-84, 1410.
#6 - MW-8A, 8-7-84, 1355.

RECEIVED
SEP 21 1984
ILL. EPA - DLPC
STATE OF ILLINOIS

Results of Analysis:

	# 1	# 2	# 3	# 4	# 5	# 6
Boron, mg B/l	<1.00	5.34	1.60	1.48	3.51	5.06
Chloride, mg Cl/l	333	4143	41.7	441	735	1422
Copper, mg Cu/l	0.583	796	0.253	5660	0.198	2.03
Nickel, mg Ni/l	0.29	504	0.01	3720	0.13	1.22
pH Value, pH Units	6.92	2.63	7.05	2.51	7.17	6.94
Solids, (diss.) mg/l	2912	26548	1034	25660	4292	9666
Zinc, mg Zn/l	0.045	25.5	0.012	112	0.011	0.198

Respectfully submmitted,

R. M. Ferris, Director

RECEIVED
SEP 25 1984
IEPA-DLPC

ENVIRONMENTAL ANALYSIS, INC.
ANALYTICAL CHEMISTRY · RESEARCH · FIELD STUDIES
3278 N. LINDBERGH BLVD. FLORISSANT, MO. 63033 PHONE 1-314-921-4488

Date 09-07-84
Report No. 15727
Lab No. 510313 thru 18
P.O. No.

Mr. W. A. Enrico
CHEMETCO
Post Office Box 187
Alton, IL 62002

REPORT OF ANALYSIS

Subject: Analysis of well water samples in accordance with Standard Methods for the Examination of Water and Wastewater, 15th Edition, 1980.

Sample Identification:
#1 - MW-5, 8-7-84, 1315.
#2 - MW-5A, 8-7-84, 1305.
#3 - MW-7, 8-7-84, 1230.
#4 - MW-7A, 8-7-84, 1220.
#5 - MW-8, 8-7-84, 1410.
#6 - MW-8A, 8-7-84, 1355.

RECEIVED
SEP 21 1984
ILL. E.P.A. - D.L.P.C.
STATE OF ILLINOIS

Results of Analysis:

	# 1	# 2	# 3	# 4	# 5	# 6
Boron, mg B/l	<1.00	5.34	1.60	1.48	3.51	5.06
Chloride, mg Cl/l	333	4143	41.7	441	735	1422
Copper, mg Cu/l	0.583	796	0.253	5660	0.198	2.03
Nickel, mg Ni/l	0.29	504	0.01	3720	0.13	1.22
pH Value, pH Units	6.92	2.63	7.05	2.51	7.17	6.94
Solids, (diss.) mg/l	2912	26548	1034	25660	4292	9666
Zinc, mg Zn/l	0.045	25.5	0.012	112	0.011	0.198

Respectfully submmitted,

R. M. Ferris, Director

RECEIVED
SEP 25 1984
IEPA-DLPC

ENVIRONMENTAL ANALYSIS, INC.
ANALYTICAL CHEMISTRY · RESEARCH · FIELD STUDIES
3278 N. LINDBERGH BLVD. FLORISSANT, MO. 63033 PHONE 1-314-921-4488

Date 09-07-84
Report No. 15728
Lab No. 510530 thru 34
P.O. No.

Mr. W. A. Enrico
CHEMETCO
Post Office Box 187
Alton, IL 62002

REPORT OF ANALYSIS

Subject: Analysis of well water samples in accordance with Standard Methods for the Examination of Water and Wastewater, 15th Edition, 1980.

Sample Identification:
#1 - MW-9, 8-8-84, 0925.
#2 - MW-10, 8-8-84, 0945.
#3 - MW-11, 8-8-84, 1035.
#4 - MW-11A, 8-8-84, 1025.
#5 - MW-12, 8-8-84, 1115.

RECEIVED
SEP 21 1984
ILL. E.P.A. – D.L.P.C.
STATE OF ILLINOIS

Results of Analysis:

	# 1	# 2	# 3	# 4	# 5
Boron, mg B/l	<1.00	<1.00	<1.00	<1.00	1.49
Chloride, mg Cl/l	152	<1	<1	<1	544
Copper, mg Cu/l	0.009	0.009	0.006	0.013	2260
Nickel, mg Ni/l	0.01	0.03	0.02	0.02	1240
pH Value, pH Units	5.42	7.07	7.31	7.08	3.96
Solids, (diss.) mg/l	998	534	344	1966	26464
Zinc, mg Zn/l	0.008	0.010	0.003	0.005	69.0

Respectfully submmitted,

R. M. Ferris, Director

RECEIVED
SEP 25 1984
IEPA-DLPC

ENVIRONMENTAL ANALYSIS, INC.
ANALYTICAL CHEMISTRY · RESEARCH · FIELD STUDIES
3278 N. LINDBERGH BLVD. FLORISSANT, MO. 63033 PHONE 1-314-921-4488

Date 09-07-84
Report No. 15728
Lab No. 510530 thru 34
P.O. No.

Mr. W. A. Enrico
CHEMETCO
Post Office Box 187
Alton, IL 62002

REPORT OF ANALYSIS

Subject: Analysis of well water samples in accordance with Standard Methods for the Examination of Water and Wastewater, 15th Edition, 1980.

Sample Identification:
#1 - MW-9, 8-8-84, 0925.
#2 - MW-10, 8-8-84, 0945.
#3 - MW-11, 8-8-84, 1035.
#4 - MW-11A, 8-8-84, 1025.
#5 - MW-12, 8-8-84, 1115.

RECEIVED
SEP 21 1984
ILL. E.P.A. - D.L.P.C.
STATE OF ILLINOIS

Results of Analysis:

	# 1	# 2	# 3	# 4	# 5
Boron, mg B/l	<1.00	<1.00	<1.00	<1.00	1.49
Chloride, mg Cl/l	152	<1	<1	<1	544
Copper, mg Cu/l	0.009	0.009	0.006	0.013	2260
Nickel, mg Ni/l	0.01	0.03	0.02	0.02	1240
pH Value, pH Units	5.42	7.07	7.31	7.08	3.96
Solids, (diss.) mg/l	998	534	344	1966	26464
Zinc, mg Zn/l	0.008	0.010	0.003	0.005	69.0

Respectfully submitted,

R. M. Ferris, Director

RECEIVED
SEP 25 1984
IEPA-DLPC

ENVIRONMENTAL ANALYSIS, INC.

ANALYTICAL CHEMISTRY - RESEARCH - FIELD STUDIES

3278 N. LINDBERGH BLVD. FLORISSANT, MO. 63033 PHONE 1-314-921-4488

Date 05-09-84
Report No. 14813
Lab No. 503029 thru 3
P.O. No. 30089

Mr. W. A. Enrico
CHEMETCO
Post Office Box 187
Alton, IL 62002

REPORT OF ANALYSIS

Subject: Analysis of well water samples in accordance with Standard Methods for the Examination of Water and Wastewater, 15th Edition, 1980.

Sample Identification:
#1 - MW-5, 4-26-84, 1320.
#2 - MW-5A, 4-26-84, 1305.
#3 - MW-7, 4-26-84, 1232.
#4 - MW-7A, 4-26-84, 1220.
#5 - MW-8, 4-26-84, 1407.
#6 - MW-8A, 4-26-84, 1400.

Results of Analysis:

	# 1	# 2	# 3	# 4	# 5	# 6
Boron, mg B/l	0.58	5.43	<0.10	1.76	3.83	5.57
Chloride, mg Cl/l	299	2897	45.4	125	780	1569
Copper, mg Cu/l	0.374	287	0.048	184	0.077	0.398
Nickel, mg Ni/l	0.28	215	0.03	127	0.04	0.43
pH Value, pH Units	6.80	2.96	6.91	3.70	7.08	6.95
Solids, (diss.) mg/l	2396	17660	908	2608	4423	9879
Zinc, mg Zn/l	0.135	94.9	0.047	5.60	0.083	0.275

Respectfully submmitted,

R. M. Ferris, Director

RECEIVED
MAY 22 1984
E.P.A. — D.L.P.C.
STATE OF ILLINOIS

ENVIRONMENTAL ANALYSIS, INC.

ANALYTICAL CHEMISTRY · RESEARCH · FIELD STUDIES

3278 N. LINDBERGH BLVD. FLORISSANT, MO. 63033 PHONE 1-314-921-4488

Date 05-09-84
Report No. 14815
Lab No. 503124 thru 27
P.O. No. 30089

Mr. W. A. Enrico
CHEMETCO
Post Office Box 187
Alton, IL 62002

REPORT OF ANALYSIS

Subject: Analysis of well water samples in accordance with Standard Methods for the Examination of Water and Wastewater, 15th Edition, 1980.

Sample Identification:
#1 - MW-9, 4-27-84, 1005.
#2 - MW-10, 4-27-84, 1030.
#3 - MW-11, 4-27-84, 1115.
#4 - MW-11A, 4-27-84, 1110.

Results of Analysis:

	# 1	# 2	# 3	# 4
Boron, mg B/l	0.32	<0.10	<0.10	<0.10
Chloride, mg Cl/l	159	<5	<5	<5
Copper, mg Cu/l	2.26	0.172	0.017	0.025
Nickel, mg Ni/l	1.18	0.03	<0.01	0.01
pH Value, pH Units	6.86	6.93	7.15	6.90
Solids, (diss.) mg/l	902	672	376	2092
Zinc, mg Zn/l	0.172	0.020	0.029	0.033

Respectfully submmitted,

R. M. Berris, Director

RECEIVED
MAY 22 1984
E.P.A. — D.L.P.C.
STATE OF ILLINOIS

ENVIRONMENTAL ANALYSIS, INC.

ANALYTICAL CHEMISTRY · RESEARCH · FIELD STUDIES

3278 N. LINDBERGH BLVD. FLORISSANT, MO. 63033 PHONE 1-314-921-4488

Date 05-09-84
Report No. 14812
Lab No. 503023 thru 28
P.O. No. 30089

Mr. W. A. Enrico
CHEMETCO
Post Office Box 187
Alton, IL 62002

LPC 11980103
Madison County
Hartford/Chemetco

REPORT OF ANALYSIS

Subject: Analysis of well water samples in accordance with Standard Methods for the Examination of Water and Wastewater, 15th Edition, 1980.

Sample Identification:
#1 - MW-1, 4-26-84, 1100.
#2 - MW-2, 4-26-84, 1150.
#3 - MW-2B, 4-26-84, 1138.
#4 - MW-3, 4-26-84, 1030.
#5 - MW-4, 4-26-84, 1450.
#6 - MW-4A, 4-26-84, 1440.

RECEIVED
MAY 21 1984
ILL. E.P.A. -- D.L.P.C.
STATE OF ILLINOIS

Results of Analysis:

	# 1	# 2	# 3	# 4	# 5	# 6
Boron, mg B/l	0.66	0.13	1.29	0.75	3.35	1.54
Chloride, mg Cl/l	431	186	103	385	1459	1077
Copper, mg Cu/l	0.668	0.563	1078	1.36	0.765	458
Nickel, mg Ni/l	0.04	2.53	665	0.91	0.32	299
pH Value, pH Units	7.13	6.51	2.20	7.47	6.35	3.17
Solids, (diss.) mg/l	1844	3176	111952	1671	6195	10708
Zinc, mg Zn/l	0.656	0.069	34.4	0.180	0.822	27.8

RECEIVED
MAY 22 1984
E.P.A. — D.L.P.C.
STATE OF ILLINOIS

Respectfully submmitted,

R. H. Ferris, Director

LPC 11980103
Madison County
Alton/Chemetco

ENVIRONMENTAL ANALYSIS, INC.

ANALYTICAL CHEMISTRY - RESEARCH - FIELD STUDIES

3278 N. LINDBERGH BLVD. FLORISSANT, MO. 63033 PHONE 1-314-921-4488

Date 01-31-84
Report No. 14129
Lab No. 272-26 thru 2
P.O. No.

Mr. W. A. Enrico
CHEMETCO
Post Office Box 187
Alton, IL 62002

REPORT OF ANALYSIS

Subject: Analysis of well water samples in accordance with Standard Methods for the Examination of Water and Wastewater, 15th Edition, 1980.

Sample Identification:
#1 - MW #1, 1-24-84, 1155.
#2 - MW #2, 1-24-84, 1300.
#3 - MW #2B, 1-24-84, 1230.
#4 - MW #3, 1-24-84, 1140.

RECEIVED
FEB 09 1984
ILL. E.P.A. – D.L.P.C.
STATE OF ILLINOIS

Results of Analysis:

	# 1	# 2	# 3	# 4
Boron, mg B/l	1.15	<0.10	0.90	0.20
Chloride, mg Cl/l	454	174	135	490
Copper, mg Cu/l	0.286	0.591	1952	0.554
Nickel, mg Ni/l	0.04	2.04	1140	0.30
pH Value, pH Units	7.15	6.48	1.99	7.53
Solids, (diss.) mg/l	1900	2710	15900	1750
Zinc, mg Zn/l	0.561	0.058	52.2	0.166

Respectfully submmitted,

R. M. Ferris, Director

RECEIVED
FEB 14 1984
E.P.A. – D.L.P.C.
STATE OF ILLINOIS

ENVIRONMENTAL ANALYSIS, INC.

ANALYTICAL CHEMISTRY - RESEARCH - FIELD STUDIES

3278 N. LINDBERGH BLVD. FLORISSANT, MO. 63033 PHONE 1-314-921-4488

Date 01-31-84
Report No. 14130
Lab No. 272-30 thru 3
P.O. No.

Mr. W. A. Enrico
CHEMETCO
Post Office Box 187
Alton, IL 62002

REPORT OF ANALYSIS

Subject: Analysis of well water samples in accordance with Standard Methods for the Examination of Water and Wastewater, 15th Edition, 1980.

Sample Identification:
#1 - MW #4, 1-24-84, 1600.
#2 - MW #4A, 1-24-84, 1340.
#3 - MW #5, 1-24-84, 1550.
#4 - MW #5A, 1-24-84, 1415.

RECEIVED
FEB 03 1984
ILL. E.P.A. - D.L.P.C.
STATE OF ILLINOIS

Results of Analysis:

	# 1	# 2	# 3	# 4
Boron, mg B/l	2.35	2.60	0.40	3.55
Chloride, mg Cl/l	1128	1716	279	3064
Copper, mg Cu/l	0.520	742	0.500	828
Nickel, mg Ni/l	0.36	432	0.33	596
pH Value, pH Units	6.53	2.93	7.02	2.64
Solids, (diss.) mg/l	4760	14850	2350	25500
Zinc, mg Zn/l	3.15	28.0	0.064	46.7

Respectfully submmitted,

R. M. Ferris, Director

RECEIVED
FEB 14 1984
E.P.A. — D.L.P.C.
STATE OF ILLINOIS

ENVIRONMENTAL ANALYSIS, INC.

ANALYTICAL CHEMISTRY · RESEARCH · FIELD STUDIES

3278 N. LINDBERGH BLVD. *FLORISSANT, MO. 63033* *PHONE 1-314-921-4488*

Date 01-31-84
Report No. 14131
Lab No. 274-8 thru 11
P.O. No.

Mr. W. A. Enrico
CHEMETCO
Post Office Box 187
Alton, IL 62002

REPORT OF ANALYSIS

Subject: Analysis of well water samples in accordance with Standard Methods for the Examination of Water and Wastewater, 15th Edition, 1980.

Sample Identification:
#1 - MW #7, 1-25-84, 1215.
#2 - MW #7A, 1-25-84, 1208.
#3 - MW #8, 1-25-84, 1125.
#4 - MW #8A, 1-25-84, 1100.

RECEIVED
FEB 9 1984
E.P.A. — D.L.P.C.
STATE OF ILLINOIS

Results of Analysis:

	# 1	# 2	# 3	# 4
Boron, mg B/l	<0.10	3.85	2.80	3.55
Chloride, mg Cl/l	37	833	804	1630
Copper, mg Cu/l	0.025	4380	0.043	0.336
Nickel, mg Ni/l	0.01	2660	0.02	0.89
pH Value, pH Units	6.95	2.64	7.24	6.90
Solids, (diss.) mg/l	750	39400	4350	9860
Zinc, mg Zn/l	0.032	113	0.080	1.45

Respectfully submmitted,

R. M. Ferris, Director

RECEIVED
FEB 14 1984
E.P.A. — D.L.P.C.
STATE OF ILLINOIS

ENVIRONMENTAL ANALYSIS, INC.

ANALYTICAL CHEMISTRY - RESEARCH - FIELD STUDIES

3278 N. LINDBERGH BLVD. *FLORISSANT, MO. 63033* *PHONE 1-314-921-4488*

Date 01-31-84
Report No. 14132
Lab No. 274-12 thru 1
P.O. No.

Mr. W. A. Enrico
CHEMETCO
Post Office Box 187
Alton, IL 62002

REPORT OF ANALYSIS

Subject: Analysis of well water samples in accordance with Standard Methods for the Examination of Water and Wastewater, 15th Edition, 1980.

Sample Identification:
#1 - MW #9, 1-25-84, 1315.
#2 - MW #10, 1-25-84, 1340.
#3 - MW #11, 1-25-84, 1455.
#4 - MW #11A, 1-25-84, 1440.

RECEIVED
FEB 03 1984
ILL. E.P.A. - D.L.P.C.
STATE OF ILLINOIS

Results of Analysis:

	# 1	# 2	# 3	# 4
Boron, mg B/l	<0.10	<0.10	<0.10	<0.10
Chloride, mg Cl/l	181	<5	<5	<5
Copper, mg Cu/l	0.016	0.010	0.286	0.022
Nickel, mg Ni/l	<0.01	<0.01	0.17	0.01
pH Value, pH Units	7.11	7.02	7.03	7.25
Solids, (diss.) mg/l	923	516	328	2030
Zinc, mg Zn/l	0.012	0.038	0.003	0.030

Respectfully submmitted,

R. M. Ferris, Director

RECEIVED
FEB 14 1984
E.P.A. — D.L.P.C.
STATE OF ILLINOIS