EPA Region 5 Records Ctr.
303298

GROUNDWATER FILE
0310450C
COOK CO.
CHICAGO HEIGHTS/LOBUE
#2

LoBue INCORPORATED

OFFICE: 344 EAST 16TH STREET
CHICAGO HEIGHTS, ILLINOIS 60411

TELEPHONES: 757-6666 - 6667

January 3, 1984

State of Illinois
Environmental Protection Agency
2200 Churchill Road
Springfield, Ill. 62706

Re: Water monitoring permit # 1975064-OP
Location # 2

Gentlemen:

Enclosed please find the reports for wells # 2 & # 4. They are still dry. Well # 1 report will be sent to you by Industrial Analytical Lab., Bourbonnais, Ill.

Thank you, we remain,

Respectfully yours,

LoBue, Incorporated

Joseph Foushi Jr.

Joseph Foushi Jr.

Enclosure-Water reports
Wells # 2 & # 4

JF/mj

RECEIVED
JAN 06 1984
E.P.A. — D.L.P.C.
STATE OF ILLINOIS

RECEIVED

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

JAN 06 1984

EPA — 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		

Well # 4

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

L P C S M 0 1 0 (1)(8) SITE INVENTORY NUMBER 0 3 1 0 4 5 0 6 (9)(16)

MONITOR POINT NUMBER G 1 0 4 (17)(20) DATE COLLECTED 1 1 2 2 8 3 (21)(26)

COOK Co. - LPC REGION N (27)

CHICAGO HEIGHTS / LO BUE # 2
(Location) (Responsible Party)

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

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

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

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

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

Sample Appearance: _____

Collector comments: Well is Dry

Joseph N. Foushee Jr. — collected by
Lo Bue Inc. — Div. or Company

Transported by _____ Div. or Company _____

LAB USE ONLY

Lab No. _____

Date Rec'd _____

Rec'd by _____ Time _____ a.m. p.m.

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

LPCSM030

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

LPCSM040

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

LPCSM050

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

LPCSM060

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

+Analyses are to be performed on filtered 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.

LPC-6 REV. 3/77

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

RECEIVED
JAN 06 1984
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 Well # 4 (Private Well, Stream, Spring, Impounded Water only)

(1) L P C S M 0 1 0 (8) SITE INVENTORY NUMBER (9) 0 3 1 0 4 5 0 6 (16)

MONITOR POINT NUMBER (17) G 1 0 4 (20) DATE COLLECTED (21) 1 0 3 1 8 3 (26)

COOK Co. - LPC REGION (27) N

CHICAGO HEIGHTS / LO BUE # 2
(Location) (Responsible Party)

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

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

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

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

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

Sample Appearance: _____

Collector comments: Well is dry

Joseph N. Foushi Jr. — Collected by
LoBue Inc. — Div. or Company
Transported by — Div. or Company

LAB USE ONLY

Lab No. _____

Date Rec'd _____

Rec'd by _____ Time _____ a.m. p.m.

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) X
IEPA Lab (X) (78)

LPCSM030

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

LPCSM040

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

LPCSM050

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

LPCSM060

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

+ Analyses are to be performed on filtered 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.

LPC-8 REV. 3/77

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

RECEIVED
JAN 00 1984
D.L.P.C.
I.E.P.A.
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		

Well #2
Name (Private Well, Stream, Spring, Impounded Water only)

(1) L P C S M 0 1 0 (8) SITE INVENTORY NUMBER (9) 0 3 1 0 4 5 0 6 (16)

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

COOK Co. - LPC REGION N (27)

CHICAGO HEIGHTS / LO BUE # 2
(Location) (Responsible Party)

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

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

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

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

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

Sample Appearance: _____

Collector comments: Well is Dry

Joseph N. Foushi Jr. — Collected by
Lo Bue Inc. — Div. or Company
Transported by
Div. or Company

LAB USE ONLY
Lab No. _____
Date Rec'd _____
Rec'd by _____ Time _____ a.m. p.m.
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) X (77)
IEPA Lab (X) . (78)

LPCSM030

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

LPCSM040

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

LPCSM050

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

LPCSM060

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

*Analyses are to be performed on filtered 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.

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

RECEIVED
JAN 06 1984
ENV. P.C. — 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		

Well #2

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

L P C S M 0 1 C (1)–(8) SITE INVENTORY NUMBER 0 3 1 0 4 5 0 6 (9)–(16)

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

COOK Co. - LPC REGION N (27)

CHICAGO HEIGHTS (Location) / LO BUE #2 (Responsible Party)

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

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

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

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

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

Sample Appearance: _____

Collector comments: Well is Dry

Joseph N. Fourshi Jr. — Collected by
LeBue Inc. — Div. or Company

_____ Transported by
_____ Div. or Company

LAB USE ONLY

Lab No. _____

Date Rec'd _____

Rec'd by _____ Time _____ a.m. p.m.

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

LPCSM030

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

LPCSM040

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

LPCSM050

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

LPCSM060

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

+Analyses are to be performed on filtered 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.

IPC-8 REV. 3/77

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

RECEIVED
JAN 13 1984
D.L.P.C.
STATE OF ILLINOIS

Key for Determining Type of Monitoring Point

(S) Surface Water	(C) 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 Well # 1 (Private Well, Stream, Spring, Impounded Water only)

L P C S M 0 1 0 (1)–(8) SITE INVENTORY NUMBER 0 3 1 0 4 5 0 6 (9)–(16)

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

COOK Co. - LPC REGION N (27)

CHICAGO HEIGHTS (Location) / LO BUE # 2 (Responsible Party)

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

Time Collected 9:45 a.m. p.m. Unable to collect sample (X) (30)

Stick-up 0.7 ft. (31)–(33) Depth to water (from T.O.C.) 43.8 ft. (34)–(36)

Sample temp. 52 °F (37)–(39) Background (X). . . . (40)

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

Sample Appearance: Slightly Turbid

Collector comments:

Joseph N Fousli Jr — Collected by — Lo Bue Inc. — Div. or Company

Joseph N. Fousli Jr. — Transported by — Lo Bue Inc. — Div. or Company

LAB USE ONLY

Lab No. 10502

Date Rec'd 1-5-84

Rec'd by TMC Time 10:00 a.m. p.m.

Sample temp. acceptable (YES) NO

Sample properly preserved (YES) NO

Date completed 1-9-84

Date forwarded 1-10-84

Thomas McColl
Supervisor Signature

Name
Address
of Lab

LPCSM020
Lab Comments:

(27)–(36)

(37)–(46)

(47)–(56)

(57)–(66)

(67)–(76)

Private Lab (X) X (77)

IEPA Lab (X) (78)

LPCSM030

		PARAMETERS*	PPM*
		Alkalinity[1]	
34	X	Ammonia as N	3.41
37		Arsenic As	
44		Barium Ba	
49		BOD -5	
53		Boron B	
58		Cadmium Cd	
64		Calcium Ca	
69		COD	
73	X	Chloride Cl	101

LPCSM040

27		Chromium Cr (tot)	
33		Chromium Cr^{+6}	
39		Copper Cu	
45		Cyanide CN	
52		Fecal Coli (#/100 ml)	
56		Fluoride F	
61		Hardness $CaCO_3$	
65	X	Iron Fe	2.2
70		Lead Pb	

LPCSM050

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

LPCSM060

27	X	R.O.E. (180°C)	3032
31		Selenium Se	
38		Silver Ag	
44		Sodium Na	
49		SC (umhos/cm)	
53		Sulfate SO_4	
58		Zinc Zn	
63			

*Analyses are to be performed on filtered 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.

LPC-8 REV. 3/77

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

RECEIVED JAN 13 1984 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 Well # 1 (Private Well, Stream, Spring, Impounded Water only)

(1) L P C S M 0 1 0 (8) SITE INVENTORY NUMBER (9) 0 3 1 0 4 5 0 6 (16)

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

COOK Co. - LPC REGION N (27)

CHICAGO HEIGHTS (Location) / LO BUE # 2 (Responsible Party)

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

Time Collected 8:15 a.m. p.m. Unable to collect sample (X) (30)

Stick-up (31) 0.7 (33) ft. Depth to water (from T.O.C.) (34) 4 3.8 (36) ft.

Sample temp. (37) 5 2 (39) °F Background (X). . . . (40)

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

Sample Appearance: Turbid

Collector comments: _____

Joseph N Foushi Jr. — Collected by — L. Bue Inc. — Div. or Company

Joseph N. Foushi Jr. — Transported by — L. Bue Inc. — Div. or Company

LAB USE ONLY

Lab No. 10501

Date Rec'd 1/5/84

Rec'd by TMC Time 10:00 a.m. p.m.

Sample temp. acceptable YES NO

Sample properly preserved YES NO

Date completed 1-9-84

Date forwarded 1-10-84

Thomas McCall
Supervisor Signature

Name _____
Address of Lab _____

LPCSM020
Lab Comments:

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

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

LPCSM030

		PARAMETERS*	PPM
31		Alkalinity[1]	
31	X	Ammonia as N	1.32
37		Arsenic As	
44		Barium Ba	
49		BOD -5	
53		Boron B	
58		Cadmium Cd	
64		Calcium Ca	
69		COD	
73	X	Chloride Cl	95

LPCSM040

27		Chromium Cr (tot)	
33		Chromium Cr^{+6}	
39		Copper Cu	
45		Cyanide CN	
52		Fecal Coli (#/100 ml)	
56		Fluoride F	
61		Hardness $CaCO_3$	
65	X	Iron Fe	1.9
70		Lead Pb	

LPCSM050

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

LPCSM060

27	X	R.O.E. (180°C)	3000
31		Selenium Se	
38		Silver Ag	
44		Sodium Na	
49		SC (umhos/cm)	
53		Sulfate SO_4	
58		Zinc Zn	
63			

*Analyses are to be performed on filtered 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.

LPC-2 REV. 3/77