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STATE OF ILLINOIS
Pollution Control Board

BEFORE THE ILLINOIS POLLUTION CONTROL BOARD

IN THE MATTER OF:)
)
PROPOSED AMENDMENTS TO CLEAN) R 2012-009
CONSTRUCTION OR DEMOLITION) (Rulemaking – Land)
DEBRIS (CCDD) FILL OPERATIONS:)
PROPOSED AMENDMENTS TO 35 Ill.)
Adm. Code 1100)

Pc#58

NOTICE OF FILING

To: SEE ATTACHED SERVICE LIST

Please take notice that on the 30th day of November 2012, you were served with copies of the Response to Sub-Docket on Groundwater Monitoring on behalf of the Land Reclamation & Recycling Association.

By:



Brian Lansu
Land Reclamation & Recycling Association
2250 Southwind Blvd.
Bartlett, IL 60103

Date: November 30, 2012

BEFORE THE ILLINOIS POLLUTION CONTROL BOARD

IN THE MATTER OF:)
)
PROPOSED AMENDMENTS TO CLEAN) R 2012-009
CONSTRUCTION OR DEMOLITION) (Rulemaking – Land)
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By: Brian L. Lansu
Brian Lansu
Land Reclamation & Recycling Association
2250 Southwind Blvd.
Bartlett, IL 60103

Date: November 30, 2012

PROOF OF SERVICE

I do hereby certify that a copy of the Response to Sub-Docket on Groundwater Monitoring on behalf of the Land Reclamation & Recycling Association were tendered via email on November 30, 2012, to the following:

John Therriault, Clerk
Illinois Pollution Control Board
James R. Thompson Center
100 West Randolph Street, Suite 11-500 Chicago, IL 60601

and by first class mail, postage prepaid, on November 30, 2012, to the following:

Marie Tipsord, Hearing Officer
Illinois Pollution Control Board
James R. Thompson Center
100 W. Randolph St., Suite 11-500
Chicago, IL 60601

Matthew J. Dunn, Chief
Environmental Enforcement
Office of the Attorney General
69 West Washington Street, Suite 1800
Chicago, IL 60602

Stephen Sylvester, Asst. Attorney General
Environmental Enforcement
Office of the Attorney General
69 West Washington Street, Suite 1800
Chicago, IL 60602

Claire A. Manning
Brown, Hay & Stephens LLP
700 First Mercantile Bank Building
205 South Fifth St, PO Box 2459
Springfield, IL 62794-9276

Kimberly A. Geving, Assistant Counsel
Illinois Environmental Protection Agency
1021 North Grand Avenue East
PO Box 19276
Springfield, IL 62794-9276

Mark Wright, Assistant Counsel
Illinois Environmental Protection Agency
1021 North Grand Avenue East
PO Box 19276
Springfield, IL 62794-9276

Stephanie Flowers, Assistant Counsel
Illinois Environmental Protection Agency
1021 North Grand Avenue East
PO Box 19276
Springfield, IL 62794-9276

Dennis Wilt
Waste Management
720 East Butterfield Road
Lombard, IL 60148

Michele Gale
Waste Management
720 East Butterfield Road
Lombard, IL 60148

Mitchell Cohen, General Counsel
Illinois Department of Natural Resources
One Natural Resources Way
Springfield, IL 62702-1271

Steven Gobelman, Geologic/Waste
Assessment Specialist
Illinois Department of Transportation
2300 S Dirksen Parkway
Springfield, IL 62764

Tiffany Chappell
City of Chicago, Mayor's Office of
Intergovernmental Affairs
121 N. LaSalle Street City Hall
Room 406 Chicago, IL 60602

James Huff – Vice President
Huff & Huff, Inc
Greg Wilcox – Executive Director
Land Reclamation & Recycling Association
2250 Southwind Blvd.
Bartlett, IL 60103

John Henriksen, Executive Director
Illinois Association of Aggregate Producers
1115 S. 2nd. Street
Springfield, IL 62704

A handwritten signature in cursive script, reading "Brian F. Lansu". The signature is written in black ink and is positioned above a solid horizontal line.

Brian Lansu

Response to Sub-Docket on Groundwater Monitoring on behalf of LRRRA

The Land Reclamation and Recycling Association (“LRRRA”) has provided testimony regarding costs associated with developing groundwater monitoring models and installing groundwater wells to determine groundwater gradients for the clean construction and demolition debris (“CCDD”) site in Bartlett, Illinois. LRRRA concurs with the Illinois Association of Aggregate Producers, the City of Chicago, and the other interested parties which have opined that groundwater monitoring is an unnecessary environmental safeguard as there is no data to support the need for such activities. At no time during the proceedings before this Board has the Illinois Environmental Protection Agency (“IEPA”) provided documentation which indicates that a quarry or mine that has been filled with CCDD material has negatively impacted local groundwater.

To further support its position on the issue, LRRRA hereby submits additional data on the impact of groundwater monitoring from one of its association members, Reliable Materials Lyons, LLC (“Reliable”). In 2007, the Village of Lyons (the “Village”) proposed building a new municipal building and park on the property directly east of recently established 54-acre Reliable CCDD site. During the design phase of the municipal project, soils were tested and numerous contaminants were identified which exceeded TACO standards for residential properties. These contaminants included naphthalene, lead, arsenic, chromium, and numerous PAH compounds.

In 2008, the Village entered its property into SRP program. The IEPA approved plan allowed the contaminants to be left in place and capped on site. Both prior to and during construction all stormwater and drainage from the Village property flowed into the Reliable CCDD site. During the SRP study phase, shallow groundwater wells were installed and samples were collected and tested. Attached is a copy of the report which identifies the presence of numerous contaminants at levels that exceed groundwater 1 drinking water standards. As the Village currently prohibits the use of groundwater for drinking purposes it was determined that no further action was required. Since the project’s completion in 2010, all drainage is now diverted to the MWRD sewer system.

In order to maintain a dry working environment and create an inward gradient to reduce the likelihood of potential future liability, Reliable voluntarily installed a groundwater collection system at the bottom of the 275-foot deep limestone quarry. A 700 gpm submersible pump was placed at the bottom of the quarry to pump out both groundwater and stormwater that has entered the site. The pump is equipped with a variable frequency drive and level control system to maintain a constant water level. The pump discharges into an 8-inch force main that terminates at the NPDES Permitted (ILG840124) discharge point in the Des Plaines River. Currently, stormwater, rainfall, and groundwater flow through the CCDD fill that has been placed in the quarry. As this water filters through the fill, the soil removes fine suspended solids. This soil filtering process allows Reliable to meet their NPDES permit requirement of 35 mg/l for suspended solids.

Since May 2007, Reliable has been randomly testing water discharged from the dewatering well for RCRA metals, PAHs, SVOCs, pesticides, and herbicides. This testing was initiated out of concern that the Village property, located less than 500 feet from the quarry walls and less than 750 feet from the dewatering well, could leach contaminants into the Reliable CCDD site. Below is an aerial which depicts the proximity of the Reliable CCDD site and the Village property.



Google earth



In the first year of testing, approximately 1,300,000 yd.³ of CCDD was accepted at the Reliable site. This material was accepted prior to the current rule making process and in the absence of the safeguards instituted by the new rules. The first water sample was tested for SVOCs, PNAs, RCRA metals, herbicides, and pesticides. The results detected only barium at a concentration of 0.043 mg/L which is the average concentration found in groundwater and well within the standard for potable groundwater.

Reliable conducted testing again the following spring and through the excavation phase of Village project. Five samples were collected during this period of unrestricted drainage from the Village property into the Reliable CCDD site. These samples were tested for RCRA metals and PNAs. Below is the test data from the random sampling done by Reliable Lyons listing all detected contaminants.

<u>Collection Date</u>	<u>Barium</u>	<u>Lead</u>	<u>Chromium</u>	<u>Selenium</u>	<u>Napthalene</u>
5/18/2007	0.043 mg/l	ND	ND	ND	ND
10/17/2008	0.044 mg/l	ND	0.024 mg/l	ND	0.00037 mg/l
6/25/2009	0.048 mg/l	ND	ND	ND	ND

11/18/2009	0.050 mg/l	ND	ND	ND	ND
2/19/2010	0.047 mg/l	ND	ND	0.0044 mg/l	ND
8/24/2010	0.057 mg/l	0.003 mg/l	ND	ND	ND

These results indicate that Barium continues to be within the range of normal for Illinois soils. The levels of lead, chromium, selenium, and naphthalene were well below groundwater 1 drinking standards. It should be noted that each of these contaminants were found as part of the initial testing of the Village property except for selenium which was not tested as part of the Village SRP program. Reliable concluded that the presence of lead, chromium, and naphthalene was most likely caused by the construction work drainage from the Village property. The selenium could be from CCDD soil accepted, however it is more likely that this was a false detect as the concentration was less than one half of a part per billion over detection limits.

In its continuing effort to maintain its conclusions, Reliable has tested seven additional samples since December 2010. Each of these samples was tested for RCRA metals and the last two samples were also tested for PNAs. It should be noted that, in November 2010, the pump was shut down for maintenance and groundwater levels rose within the CCDD soil. This allowed the groundwater to saturate the CCDD soil for a period of several weeks. Upon startup of the well, two samples were taken within five days of each other. For all seven samples collected, only barium has been detected at an expected average concentration of 0.051 milligrams per liter. The following table reflects the data collected during this time period.

<u>Collection Date</u>	<u>Barium</u>
12/17/2010	0.056 mg/l
12/22/2010	0.057 mg/l
7/21/2011	0.046 mg/l
9/28/2011	0.044 mg/l
6/25/2012	0.045 mg/l
8/31/2012	0.058 mg/l
10/29/2012	0.057 mg/l

In conclusion, the Reliable CCDD site, which is one of the largest permitted CCDD facilities in the state of Illinois, has accepted over 6,000,000 yd.³ of CCDD since 2006. The vast majority of this material has come from highly developed urban environments. Yet, the data from groundwater well samples indicates that there is no evidence of contamination of local groundwater as a result of the fill operation. This information supports the Board's initial determination that there is no justification for imposing groundwater well installation and

monitoring as an environmental safeguard against contamination at CCDD sites within the state of Illinois.



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May 27, 2008

Mr. Kevin McCartney
BRADBURNE, BRILLER & JOHNSON
515 N. State Street
Suite 2200
Chicago, IL 60610

Project ID: Lyons - SIR - Groundwater
First Environmental File ID: 8-2120
Date Received: May 16, 2008

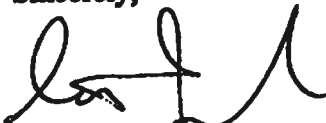
Dear Mr. Kevin McCartney:

The above referenced project was analyzed as directed on the enclosed chain of custody record.

All Quality Control criteria as outlined in the methods and current IL ELAP/NELAP have been met unless otherwise noted. QA/QC documentation and raw data will remain on file for future reference. Our accreditation number is 100292 and our current certificate is number 002045: effective 05/14/08 through 02/28/09.

I thank you for the opportunity to be of service to you and look forward to working with you again in the future. Should you have any questions regarding any of the enclosed analytical data or need additional information, please contact me at (630) 778-1200.

Sincerely,



Stan Zaworski
Project Manager



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Case Narrative

BRADBURNE, BRILLER & JOHNSON

Project ID: Lyons - SIR - Groundwater

First Environmental File ID: 8-2120

Date Received: May 16, 2008

Code	Description	Code	Description
<	Analyte not detected at or above the reporting limit.	L+	LCS recovery outside control limits; high bias.
B	Analyte detected in associated method blank.	L-	LCS recovery outside control limits; low bias.
C	Identification confirmed by GC/MS.	M	MS recovery outside control limits; LCS acceptable.
D	Surrogates diluted out; recovery not available.	M+	MS recovery outside control limits high bias; LCS acceptable.
E	Estimated result; concentration exceeds calibration range.	M-	MS recovery outside control limits low bias; LCS acceptable.
F	Field measurement.	N	Analyte is not part of our NELAC accreditation.
		ND	Analyte was not detected using a library search routine; No calibration standard was analyzed.
G	Surrogate recovery outside control limits; matrix effect.	P	Chemical preservation pH adjusted in lab.
H	Analysis or extraction holding time exceeded.	Q	The analyte was determined by a GC/MS database search.
J	Estimated result; concentration is less than calib range.	S	Analyte was sub-contracted to another laboratory for analysis.
K	RPD outside control limits.	T	Sample temperature upon receipt exceeded 0-6°C
RL	Routine Reporting Limit (Lowest amount that can be detected when routine weights/volumes are used without dilution.)	W	Reporting limit elevated due to sample matrix.

All quality control criteria, as outlined in the methods, have been met except as noted below or on the following analytical report.

Sample Batch Comments:

Sample acceptance criteria were met.

Method Comments

Lab Number

Sample ID

Comments:

8-2120-001

SIR MW1 (GW)

Pesticides/PCBs

The reporting limits are elevated due to matrix interference.



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Analytical Report

Client: BRADBURNE, BRILLER & JOHNSON
Project ID: Lyons - SIR - Groundwater
Sample ID: SIR MW1 (GW)
Sample No: 8-2120-001

Date Collected: 05/15/08
Time Collected: 14:17
Date Received: 05/16/08
Date Reported: 05/27/08

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds		Method: 5030B/8260B		
Analysis Date: 05/21/08				
Acetone	< 100	100	ug/L	
Benzene	71.2	5.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	29.6	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	32.7	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	93.3	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	2.3	2.0	ug/L	
Xylene, Total	151	5.0	ug/L	



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Analytical Report

Client: BRADBURNE, BRILLER & JOHNSON
Project ID: Lyons - SIR - Groundwater
Sample ID: SIR MW1 (GW)
Sample No: 8-2120-001

Date Collected: 05/15/08
Time Collected: 14:17
Date Received: 05/16/08
Date Reported: 05/27/08

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds	Method: 8270C	Preparation Method 3510C		
Analysis Date: 05/21/08		Preparation Date: 05/19/08		
Benzidine	< 10	10	ug/L	
Benzoic acid	405	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	424	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	169	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	788	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	391	10	ug/L	
2-Methylphenol	531	10	ug/L	



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Analytical Report

Client: BRADBURNE, BRILLER & JOHNSON
Project ID: Lyons - SIR - Groundwater
Sample ID: SIR MW1 (GW)
Sample No: 8-2120-001

Date Collected: 05/15/08
Time Collected: 14:17
Date Received: 05/16/08
Date Reported: 05/27/08

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds				
Method: 8270C		Preparation Method 3510C		
Analysis Date: 05/21/08		Preparation Date: 05/19/08		
3 & 4-Methylphenol	1,380	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	861	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons				
Method: 8270C		Preparation Method 3510C		
Analysis Date: 05/19/08		Preparation Date: 05/19/08		
Acenaphthene	265	10	ug/L	
Acenaphthylene	20	10	ug/L	
Anthracene	179	5	ug/L	
Benzo(a)anthracene	101	0.13	ug/L	
Benzo(a)pyrene	85.8	0.2	ug/L	
Benzo(b)fluoranthene	71.4	0.18	ug/L	
Benzo(k)fluoranthene	68.8	0.17	ug/L	
Benzo(ghi)perylene	52.7	0.4	ug/L	
Chrysene	114	1.5	ug/L	
Dibenzo(a,h)anthracene	20.6	0.3	ug/L	
Fluoranthene	380	2	ug/L	
Fluorene	216	2	ug/L	
Indeno(1,2,3-cd)pyrene	63.5	0.3	ug/L	
Naphthalene	6,460	10	ug/L	
Phenanthrene	540	5	ug/L	
Pyrene	204	2	ug/L	
Pesticides/PCBs				
Method: 8081A/8082		Preparation Method 3510C		
Analysis Date: 05/23/08		Preparation Date: 05/22/08		
Aldrin	< 0.50	0.05	ug/L	



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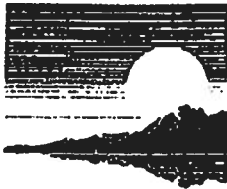
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Analytical Report

Client: BRADBURNE, BRILLER & JOHNSON
Project ID: Lyons - SIR - Groundwater
Sample ID: SIR MW1 (GW)
Sample No: 8-2120-001

Date Collected: 05/15/08
Time Collected: 14:17
Date Received: 05/16/08
Date Reported: 05/27/08

Analyte	Result	R.L.	Units	Flags
Total Metals		Method: 6010B		
Analysis Date: 05/21/08		Preparation Method 3010A		
		Preparation Date: 05/19/08		
Cadmium	0.004	0.001	mg/L	
Calcium	497	0.1	mg/L	
Chromium	0.062	0.001	mg/L	
Cobalt	0.042	0.001	mg/L	
Copper	0.117	0.001	mg/L	
Iron	38.3	0.01	mg/L	
Lead	0.661	0.002	mg/L	
Magnesium	158	0.1	mg/L	
Manganese	1.17	0.001	mg/L	
Nickel	0.140	0.001	mg/L	
Potassium	22.3	0.1	mg/L	
Selenium	< 0.002	0.002	mg/L	
Silver	< 0.001	0.001	mg/L	
Sodium	355	0.1	mg/L	
Thallium	< 0.002	0.002	mg/L	
Vanadium	0.04	0.01	mg/L	
Zinc	1.58	0.005	mg/L	
Total Metals		Method: 7470A		
Analysis Date: 05/20/08				
Mercury	< 0.0005	0.0005	mg/L	



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Analytical Report

Client: BRADBURNE, BRILLER & JOHNSON
Project ID: Lyons - SIR - Groundwater
Sample ID: SIR MW4 (GW)
Sample No: 8-2120-002

Date Collected: 05/15/08
Time Collected: 13:42
Date Received: 05/16/08
Date Reported: 05/27/08

Analyte	Result	R.L.	Units	Flags
Polynuclear Aromatic Hydrocarbons		Method: 8270C		Preparation Method 3510C
Analysis Date: 05/21/08				Preparation Date: 05/21/08
Acenaphthene	24	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	20	5	ug/L	
Benzo(a)anthracene	5.67	0.13	ug/L	
Benzo(a)pyrene	2.2	0.2	ug/L	
Benzo(b)fluoranthene	3.17	0.18	ug/L	
Benzo(k)fluoranthene	1.52	0.17	ug/L	
Benzo(ghi)perylene	1.1	0.4	ug/L	
Chrysene	5.7	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	36	2	ug/L	
Fluorene	50	2	ug/L	
Indeno(1,2,3-cd)pyrene	1.1	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	75	5	ug/L	
Pyrene	28	2	ug/L	
Total Metals		Method: 6010B		Preparation Method 3010A
Analysis Date: 05/20/08				Preparation Date: 05/19/08
Antimony	< 0.006	0.006	mg/L	
Copper	0.262	0.001	mg/L	
Iron	7.37	0.01	mg/L	
Lead	0.360	0.002	mg/L	
Manganese	0.150	0.001	mg/L	
Nickel	0.106	0.001	mg/L	
Total Metals		Method: 7470A		
Analysis Date: 05/20/08				
Mercury	< 0.0005	0.0005	mg/L	



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Analytical Report

Client: BRADBURNE, BRILLER & JOHNSON
Project ID: Lyons - SIR - Groundwater
Sample ID: SIR MW3 (GW)
Sample No: 8-2120-003

Date Collected: 05/15/08
Time Collected: 14:52
Date Received: 05/16/08
Date Reported: 05/27/08

Analyte	Result	R.L.	Units	Flags
Total Metals				
Analysis Date: 05/20/08	Method: 6010B		Preparation Method 3010A	
			Preparation Date: 05/19/08	
Lead	0.133	0.002	mg/L	
Manganese	1.75	0.001	mg/L	



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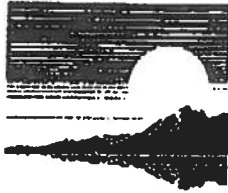
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Analytical Report

Client: BRADBURNE, BRILLER & JOHNSON
Project ID: Lyons - SIR - Groundwater
Sample ID: SIR MW5 (GW)
Sample No: 8-2120-004

Date Collected: 05/15/08
Time Collected: 15:05
Date Received: 05/16/08
Date Reported: 05/27/08

Analyte	Result	R.L.	Units	Flags
Total Metals	Method: 6010B	Preparation Method 3010A		
Analysis Date: 05/20/08		Preparation Date: 05/19/08		
Iron	< 0.01	0.01	mg/L	
Lead	5.29	0.002	mg/L	
Manganese	6.64	0.001	mg/L	



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Analytical Report

Client: BRADBURNE, BRILLER & JOHNSON
Project ID: Lyons - SIR - Groundwater
Sample ID: SIR MW2 (GW)
Sample No: 8-2120-005

Date Collected: 05/15/08
Time Collected: 15:45
Date Received: 05/16/08
Date Reported: 05/27/08

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds		Method: 5030B/8260B		
Analysis Date: 05/21/08				
Acetone	< 100	100	ug/L	
Benzene	< 5.0	5.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	



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Analytical Report

Client: BRADBURNE, BRILLER & JOHNSON
Project ID: Lyons - SIR - Groundwater
Sample ID: SIR MW2 (GW)
Sample No: 8-2120-005

Date Collected: 05/15/08
Time Collected: 15:45
Date Received: 05/16/08
Date Reported: 05/27/08

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds	Method: 8270C	Preparation Method 3510C		
Analysis Date: 05/21/08		Preparation Date: 05/19/08		
Benzidine	< 10	10	ug/L	
Benzoic acid	< 50	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	99	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	51	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	29	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	31	10	ug/L	
2-Methylphenol	21	10	ug/L	



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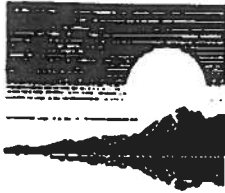
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Analytical Report

Client: BRADBURNE, BRILLER & JOHNSON
Project ID: Lyons - SIR - Groundwater
Sample ID: SIR MW2 (GW)
Sample No: 8-2120-005

Date Collected: 05/15/08
Time Collected: 15:45
Date Received: 05/16/08
Date Reported: 05/27/08

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds				
Method: 8270C		Preparation Method 3510C		
Analysis Date: 05/21/08		Preparation Date: 05/19/08		
3 & 4-Methylphenol	58	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	33	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons				
Method: 8270C		Preparation Method 3510C		
Analysis Date: 05/19/08		Preparation Date: 05/19/08		
Acenaphthene	63	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	35	5	ug/L	
Benzo(a)anthracene	23.9	0.13	ug/L	
Benzo(a)pyrene	20.4	0.2	ug/L	
Benzo(b)fluoranthene	15.5	0.18	ug/L	
Benzo(k)fluoranthene	16.6	0.17	ug/L	
Benzo(ghi)perylene	10.8	0.4	ug/L	
Chrysene	20.1	1.5	ug/L	
Dibenzo(a,h)anthracene	4.7	0.3	ug/L	
Fluoranthene	96	2	ug/L	
Fluorene	56	2	ug/L	
Indeno(1,2,3-cd)pyrene	12.5	0.3	ug/L	
Naphthalene	96	10	ug/L	
Phenanthrene	95	5	ug/L	
Pyrene	54	2	ug/L	
Pesticides/PCBs				
Method: 8081A/8082		Preparation Method 3510C		
Analysis Date: 05/23/08		Preparation Date: 05/22/08		
Aldrin	< 0.05	0.05	ug/L	



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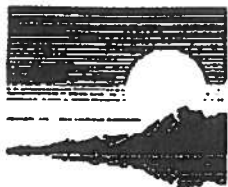
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Analytical Report

Client: BRADBURNE, BRILLER & JOHNSON
Project ID: Lyons - SIR - Groundwater
Sample ID: SIR MW2 (GW)
Sample No: 8-2120-005

Date Collected: 05/15/08
Time Collected: 15:45
Date Received: 05/16/08
Date Reported: 05/27/08

Analyte	Result	R.L.	Units	Flags
Total Metals		Method: 6010B		
Analysis Date: 05/21/08		Preparation Method 3010A		
		Preparation Date: 05/19/08		
Cadmium	0.001	0.001	mg/L	
Calcium	575	0.1	mg/L	
Chromium	0.016	0.001	mg/L	
Cobalt	0.016	0.001	mg/L	
Copper	0.004	0.001	mg/L	
Iron	95.7	0.01	mg/L	
Lead	< 0.002	0.002	mg/L	
Magnesium	214	0.1	mg/L	
Manganese	7.36	0.001	mg/L	
Nickel	0.032	0.001	mg/L	
Potassium	30.0	0.1	mg/L	
Selenium	< 0.002	0.002	mg/L	
Silver	< 0.001	0.001	mg/L	
Sodium	305	0.1	mg/L	
Thallium	< 0.002	0.002	mg/L	
Vanadium	0.01	0.01	mg/L	
Zinc	0.036	0.005	mg/L	
Total Metals		Method: 7470A		
Analysis Date: 05/20/08				
Mercury	< 0.0005	0.0005	mg/L	



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Analytical Report

Client: BRADBURNE, BRILLER & JOHNSON
Project ID: Lyons - SIR - Groundwater
Sample ID: SIR MW6 (GW)
Sample No: 8-2120-006

Date Collected: 05/15/08
Time Collected: 16:07
Date Received: 05/16/08
Date Reported: 05/27/08

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds		Method: 5030B/8260B		
Analysis Date: 05/21/08				
Acetone	< 100	100	ug/L	
Benzene	313	5.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	46.8	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	5.9	5.0	ug/L	
cis-1,2-Dichloroethene	1,580	5.0	ug/L	
trans-1,2-Dichloroethene	23.4	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	294	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	62.1	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	1,060	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	243	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	1,300	2.0	ug/L	
Xylene, Total	1,130	5.0	ug/L	



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Analytical Report

Client: BRADBURNE, BRILLER & JOHNSON
Project ID: Lyons - SIR - Groundwater
Sample ID: SIR MW6 (GW)
Sample No: 8-2120-006

Date Collected: 05/15/08
Time Collected: 16:07
Date Received: 05/16/08
Date Reported: 05/27/08

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds	Method: 8270C	Preparation Method 3510C		
Analysis Date: 05/21/08		Preparation Date: 05/19/08		
Benzidine	< 10	10	ug/L	
Benzoic acid	202	50	ug/L	
Benzyl alcohol	< 20	20	ug/L	
bis(2-Chloroethoxy)methane	< 10	10	ug/L	
bis(2-Chloroethyl)ether	< 10	10	ug/L	
bis(2-Chloroisopropyl)ether	< 10	10	ug/L	
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
4-Bromophenyl phenyl ether	< 10	10	ug/L	
Butyl benzyl phthalate	< 10	10	ug/L	
Carbazole	442	10	ug/L	
4-Chloroaniline	< 10	10	ug/L	
4-Chloro-3-methylphenol	< 20	20	ug/L	
2-Chloronaphthalene	< 10	10	ug/L	
2-Chlorophenol	< 10	10	ug/L	
4-Chlorophenyl phenyl ether	< 10	10	ug/L	
Dibenzofuran	146	10	ug/L	
1,2-Dichlorobenzene	< 10	10	ug/L	
1,3-Dichlorobenzene	< 10	10	ug/L	
1,4-Dichlorobenzene	< 10	10	ug/L	
3,3'-Dichlorobenzidine	< 20	20	ug/L	
2,4-Dichlorophenol	< 10	10	ug/L	
Diethyl phthalate	< 10	10	ug/L	
2,4-Dimethylphenol	216	10	ug/L	
Dimethyl phthalate	< 10	10	ug/L	
Di-n-butyl phthalate	< 10	10	ug/L	
4,6-Dinitro-2-methylphenol	< 50	50	ug/L	
2,4-Dinitrophenol	< 10	10	ug/L	
2,4-Dinitrotoluene	< 10	10	ug/L	
2,6-Dinitrotoluene	< 10	10	ug/L	
Di-n-octylphthalate	< 10	10	ug/L	
Hexachlorobenzene	< 10	10	ug/L	
Hexachlorobutadiene	< 10	10	ug/L	
Hexachlorocyclopentadiene	< 10	10	ug/L	
Hexachloroethane	< 5	5	ug/L	
Isophorone	< 10	10	ug/L	
2-Methylnaphthalene	366	10	ug/L	
2-Methylphenol	97	10	ug/L	



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Analytical Report

Client: BRADBURNE, BRILLER & JOHNSON
Project ID: Lyons - SIR - Groundwater
Sample ID: SIR MW6 (GW)
Sample No: 8-2120-006

Date Collected: 05/15/08
Time Collected: 16:07
Date Received: 05/16/08
Date Reported: 05/27/08

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds				
Analysis Date: 05/21/08		Method: 8270C	Preparation Method 3510C	
			Preparation Date: 05/19/08	
3 & 4-Methylphenol	248	10	ug/L	
2-Nitroaniline	< 50	50	ug/L	
3-Nitroaniline	< 50	50	ug/L	
4-Nitroaniline	< 20	20	ug/L	
Nitrobenzene	< 10	10	ug/L	
2-Nitrophenol	< 10	10	ug/L	
4-Nitrophenol	< 50	50	ug/L	
n-Nitrosodimethylamine	< 10	10	ug/L	
n-Nitrosodi-n-propylamine	< 10	10	ug/L	
n-Nitrosodiphenylamine	< 10	10	ug/L	
Pentachlorophenol	< 10	10	ug/L	
Phenol	175	10	ug/L	
1,2,4-Trichlorobenzene	< 10	10	ug/L	
2,4,5-Trichlorophenol	< 10	10	ug/L	
2,4,6-Trichlorophenol	< 10	10	ug/L	
Polynuclear Aromatic Hydrocarbons				
Analysis Date: 05/19/08		Method: 8270C	Preparation Method 3510C	
			Preparation Date: 05/19/08	
Acenaphthene	160	10	ug/L	
Acenaphthylene	16	10	ug/L	
Anthracene	34	5	ug/L	
Benzo(a)anthracene	7.69	0.13	ug/L	
Benzo(a)pyrene	4.8	0.2	ug/L	
Benzo(b)fluoranthene	5.12	0.18	ug/L	
Benzo(k)fluoranthene	2.70	0.17	ug/L	
Benzo(ghi)perylene	2.5	0.4	ug/L	
Chrysene	5.8	1.5	ug/L	
Dibenzo(a,h)anthracene	1.0	0.3	ug/L	
Fluoranthene	35	2	ug/L	
Fluorene	116	2	ug/L	
Indeno(1,2,3-cd)pyrene	3.0	0.3	ug/L	
Naphthalene	7,720	10	ug/L	
Phenanthrene	135	5	ug/L	
Pyrene	17	2	ug/L	
Pesticides/PCBs				
Analysis Date: 05/23/08		Method: 8081A/8082	Preparation Method 3510C	
			Preparation Date: 05/22/08	
Aldrin	< 0.05	0.05	ug/L	



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Analytical Report

Client: BRADBURNE, BRILLER & JOHNSON
Project ID: Lyons - SIR - Groundwater
Sample ID: SIR MW6 (GW)
Sample No: 8-2120-006

Date Collected: 05/15/08
Time Collected: 16:07
Date Received: 05/16/08
Date Reported: 05/27/08

Analyte	Result	R.L.	Units	Flags
Pesticides/PCBs				
Method: 8081A/8082		Preparation Method 3510C		
Analysis Date: 05/23/08		Preparation Date: 05/22/08		
Aroclor 1016	< 0.50	0.50	ug/L	
Aroclor 1221	< 0.50	0.50	ug/L	
Aroclor 1232	< 0.50	0.50	ug/L	
Aroclor 1242	< 0.50	0.50	ug/L	
Aroclor 1248	< 0.50	0.50	ug/L	
Aroclor 1254	< 0.50	0.50	ug/L	
alpha-BHC	< 0.05	0.05	ug/L	
beta-BHC	< 0.05	0.05	ug/L	
delta-BHC	< 0.05	0.05	ug/L	
gamma-BHC (Lindane)	< 0.05	0.05	ug/L	
alpha-Chlordane	< 0.50	0.50	ug/L	
gamma-Chlordane	< 0.50	0.50	ug/L	
4,4'-DDD	< 0.10	0.10	ug/L	
4,4'-DDE	< 0.10	0.10	ug/L	
4,4'-DDT	< 0.10	0.10	ug/L	
Dieldrin	< 0.10	0.10	ug/L	
Endosulfan I	< 0.05	0.05	ug/L	
Endosulfan II	< 0.10	0.10	ug/L	
Endosulfan sulfate	< 0.10	0.10	ug/L	
Endrin	< 0.10	0.10	ug/L	
Endrin aldehyde	< 0.10	0.10	ug/L	
Endrin ketone	< 0.10	0.10	ug/L	
Heptachlor	< 0.05	0.05	ug/L	
Heptachlor epoxide	< 0.05	0.05	ug/L	
Methoxychlor	< 0.50	0.50	ug/L	
Toxaphene	< 1.0	1.0	ug/L	

Cyanide, Total
Analysis Date: 05/19/08
Cyanide, Total

Method: 4500CN,C,E

0.028 0.005 mg/L

Total Metals
Analysis Date: 05/21/08

Method: 6010B

Preparation Method 3010A
Preparation Date: 05/19/08

Aluminum	25.7	0.05	mg/L
Antimony	< 0.006	0.006	mg/L
Arsenic	0.082	0.002	mg/L
Barium	0.244	0.001	mg/L
Beryllium	0.006	0.001	mg/L



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Analytical Report

Client: BRADBURNE, BRILLER & JOHNSON
Project ID: Lyons - SIR - Groundwater
Sample ID: SIR MW6 (GW)
Sample No: 8-2120-006

Date Collected: 05/15/08
Time Collected: 16:07
Date Received: 05/16/08
Date Reported: 05/27/08

Analyte	Result	R.L.	Units	Flags
Total Metals	Method: 6010B	Preparation Method 3010A		
Analysis Date: 05/21/08		Preparation Date: 05/19/08		
Cadmium	0.006	0.001	mg/L	
Calcium	189	0.1	mg/L	
Chromium	0.252	0.001	mg/L	
Cobalt	0.010	0.001	mg/L	
Copper	0.024	0.001	mg/L	
Iron	29.3	0.01	mg/L	
Lead	0.172	0.002	mg/L	
Magnesium	86.6	0.1	mg/L	
Manganese	0.565	0.001	mg/L	
Nickel	0.040	0.001	mg/L	
Potassium	140	0.1	mg/L	
Selenium	< 0.002	0.002	mg/L	
Silver	< 0.001	0.001	mg/L	
Sodium	565	0.1	mg/L	
Thallium	< 0.002	0.002	mg/L	
Vanadium	0.13	0.01	mg/L	
Zinc	1.11	0.005	mg/L	
Total Metals	Method: 7470A			
Analysis Date: 05/20/08				
Mercury	< 0.0005	0.0005	mg/L	



**First
Environmental
Laboratories, Inc.**

IL ELAP / NELAC Accreditation # 100292

1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: BRADBURNE, BRILLER & JOHNSON
Project ID: Lyons - SIR - Groundwater
Sample ID: Trip Blank
Sample No: 8-2120-007

Date Collected:
Time Collected:
Date Received: 05/16/08
Date Reported: 05/27/08

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds	Method: 5030B/8260B			
Analysis Date: 05/21/08				
Acetone	< 100	100	ug/L	
Benzene	< 5.0	5.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	



First Environmental Laboratories
 1600 Shore Road, Suite D
 Naperville, Illinois 60563
 Phone: (630) 778-1200 • Fax: (630) 778-1233
 E-mail: firstinfo@firstenv.com
 IEPA Certification #100292

NOF CUSTODY RECORD

Company Name: B&J

Street Address: 515 N. State St. Suite 2200

City: Chicago

State: IL Zip: 60610

Phone: 312-644-8556 Fax: 312-644-8555 e-mail: kmccartney@bjgrp.com

Send Report To: Kevin McCartney Via: Fax e-mail

Sampled By: Amber Cicotte / Christina Donley

Project ID:	P.O. #:	Matrix Codes: S = Soil, W = Water, O = Other		Sample Description	Matrix	Analyses										Lab I.D.	
		S	W			Lead	Manganese	Antimony	Copper	Iron	Nickel	Mercury	Pb	TCL	VOCs		Comments
				S12 MW 1 [GW]	Water			✓									8-210-001
				S12 MW 4 [GW]	Water			✓									002
				S12 MW 3 [GW]	Water			✓									003
				SP MW 5 [GW]	Water			✓									004
				S12 MW 2 [GW]	Water			✓									005
				S12 MW 6 [GW]	Water			✓									006
				Tip Blank	W												007

FOR LAB USE ONLY:

Cooler Temperature: 0-1-6°C Yes No _____ °C
 Refrigerator Temperature: _____ °C
 Ice Present: Yes No _____
 5035 Vials Frozen: Yes No _____
 Freezer Temperature: _____ °C

Containers Received Preserved: Yes No

Notes and Special Instructions:

Relinquished By: K McCartney Date/Time 5/16 1838 Received By: [Signature] Date/Time 5/16/08 10:00
 Relinquished By: _____ Date/Time _____ Received By: _____ Date/Time _____