



April 27, 2015

City of Rockford
Attn: Austin Crull
425 E. State Street
Rockford, IL 61107

Re: Limited Soil Sampling, 325 S. Madison Street, Rockford, Illinois
AEE Job #133.108

Dear Mr. Crull:

On March 19, 2015, two surface soil samples were collected below the transformer array at 325 S. Madison Street, Rockford, Illinois. These samples were submitted to First Environmental Laboratories of Naperville, Illinois, for analysis of polychlorinated biphenyl (PCB) content. Samples were collected due to a concern that soil may have been impacted by the presence of the transformers. Samples were collected in the areas considered to be most likely to be impacted – below the transformer array on the west portion of the subject property, near the railroad tracks.

Samples were analyzed using Method 8082. A very low level of Aroclor 1260 was found in each sample (579 ppb and 718 ppb). Results were compared to the Illinois Environmental Protection Agency Tiered Approach to Corrective Action Objectives (TACO). The residential ingestion limit for PCBs is 1 ppm. No toxicity criteria is available for the inhalation route of exposure. Landfills typically accept waste containing <5 ppm PCBs as non-special waste.

Analytical results are attached for your reference. If you have any questions, please feel free to contact me at 815/962-9000. Thank you for the opportunity to serve you on this project.

Sincerely,

A handwritten signature in black ink that reads "Jennifer L. Anderson".

Jennifer L. Anderson
President

Appendix A – Figures
Appendix B - Laboratory Analytical Reports

Appendix A



Transformer Array Location

N↑

Anderson
 environmental & engineering

Former Watch Factory
 325 S. Madison Street
 Rockford, Illinois

Project Number
 #133.108

DRAWING NOT TO SCALE



Anderson
 environmental & engineering

Sample Location

N↑

Former Watch Factory
 325 S. Madison Street
 Rockford, Illinois

Project Number
 #133.108

Sample Locations
 Approximate

Appendix B

ANDERSON ENVIRONMENTAL & ENGINEERING, CO												
133.103		WFT-SOUTH	WFT-NORTH									
Date of Sample Collection:	3/19/2015	3/19/2015	Residential Ingestion	Residential Inhalation	Industrial Commercial Ingestion	Industrial Commercial Inhalation	Construction Worker Ingestion	Construction Worker Inhalation	Soil Component Groundwater Ingestion Class I	Soil Component Groundwater Ingestion Class II	ADL	
Time of Sample Collection:	2:25 PM	2:25 PM										
First Environmental Lab. Numbers:	15-1249-001	15-1249-002										

Contaminants of Concern:

Solids, total (2540B)

Date Analyzed:	Units	RDL	3/24/2015	3/24/2015								
Total Solids	%		71.33	75.4								

Polychlorinated biphenyls (PCBs) (8082)

Date Analyzed:	Units	RDL	3/31/2015	3/31/2015								
Aroclor 1016	mg/kg	0.08	<0.08	<0.08	1		1		1			*
Aroclor 1221	mg/kg	0.08	<0.08	<0.08	1		1		1			*
Aroclor 1232	mg/kg	0.08	<0.08	<0.08	1		1		1			*
Aroclor 1242	mg/kg	0.08	<0.08	<0.08	1		1		1			*
Aroclor 1248	mg/kg	0.08	<0.08	<0.08	1		1		1			*
Aroclor 1254	mg/kg	0.16	<0.16	<0.16	1		1		1			*
Aroclor 1260	mg/kg	0.16	0.579	0.718	1		1		1			*



**First
Environmental
Laboratories, Inc.**

IL ELAP / NELAC Accreditation # 100292

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

April 01, 2015

Mr. Brad Brown

ANDERSON ENVIRONMENTAL & ENGINEERING, CO

201 N. 6th Street

Rockford, IL 61107

Project ID: 133.103

First Environmental File ID: 15-1249

Date Received: March 20, 2015

Dear Mr. Brad Brown:

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 003596; effective 03/24/2015 through 03/28/2016.

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

ANDERSON ENVIRONMENTAL & ENGINEERING, CO

Lab File ID: **15-1249**

Project ID: **133.103**

Date Received: **March 20, 2015**

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

The results in this report apply to the samples in the following table:

Laboratory Sample ID	Client Sample Identifier	Date/Time Collected	
15-1249-001	WFT-SOUTH	3/19/2015	14:25
15-1249-002	WFT-NORTH	3/19/2015	14:25

Sample Batch Comments:

Sample acceptance criteria were met.

The following is a definition of flags that may be used in this report:

Flag	Description	Flag	Description
<	Analyte not detected at or above the reporting limit.	L	LCS recovery outside control limits.
C	Sample received in an improper container for this test.	M	MS recovery outside control limits; LCS acceptable.
D	Surrogates diluted out; recovery not available.	N	Analyte is not part of our NELAC accreditation.
E	Estimated result; concentration exceeds calibration range.	P	Chemical preservation pH adjusted in lab.
G	Surrogate recovery outside control limits.	Q	Result was determined by a GC/MS database search.
H	Analysis or extraction holding time exceeded.	S	Analysis was subcontracted to another laboratory.
J	Estimated result; concentration is less than routine RL but greater than MDL.	W	Reporting limit elevated due to sample matrix.
RL	Routine Reporting Limit (Lowest amount that can be detected when routine weights/volumes are used without dilution.)	ND	Analyte was not detected using a library search routine; No calibration standard was analyzed.



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Analytical Report

Client: ANDERSON ENVIRONMENTAL & ENGINEERING, CO
Project ID: 133.103
Sample ID: WFT-SOUTH
Sample No: 15-1249-001

Date Collected: 03/19/15
Time Collected: 14:25
Date Received: 03/20/15
Date Reported: 04/01/15

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Solids, total		Method: 2540B		
Analysis Date: 03/24/15				
Total Solids	71.33		%	
Polychlorinated biphenyls (PCBs)		Method: 8082		
Analysis Date: 03/31/15				
		Preparation Method 3540C		
Preparation Date: 03/25/15				
Aroclor 1016	< 80.0	80.0	ug/kg	
Aroclor 1221	< 80.0	80.0	ug/kg	
Aroclor 1232	< 80.0	80.0	ug/kg	
Aroclor 1242	< 80.0	80.0	ug/kg	
Aroclor 1248	< 80.0	80.0	ug/kg	
Aroclor 1254	< 160	160	ug/kg	
Aroclor 1260	579	160	ug/kg	



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Analytical Report

Client: ANDERSON ENVIRONMENTAL & ENGINEERING, CO
Project ID: 133.103
Sample ID: WFT-NORTH
Sample No: 15-1249-002

Date Collected: 03/19/15
Time Collected: 14:25
Date Received: 03/20/15
Date Reported: 04/01/15

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Solids, total		Method: 2540B		
Analysis Date: 03/24/15				
Total Solids	75.40		%	
Polychlorinated biphenyls (PCBs)		Method: 8082		Preparation Method 3540C
Analysis Date: 03/31/15				
Preparation Date: 03/25/15				
Aroclor 1016	< 80.0	80.0	ug/kg	
Aroclor 1221	< 80.0	80.0	ug/kg	
Aroclor 1232	< 80.0	80.0	ug/kg	
Aroclor 1242	< 80.0	80.0	ug/kg	
Aroclor 1248	< 80.0	80.0	ug/kg	
Aroclor 1254	< 160	160	ug/kg	
Aroclor 1260	718	160	ug/kg	



First Environmental Laboratories, Inc.

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

CHAIN OF CUSTODY RECORD

Company Name: Anderson Environmental & Engineering
 Street Address: 201 N 5th Street
 City: Rockford State: IL Zip: 61107
 Phone: 815-962-9000 Fax: _____
 Send Report To: Brad Brown and Josh Kunde e-mail: j.kunde@andersonenv.com
 Sampled By: Brad Brown and Josh Kunde e-mail:

Project ID: 133.103
 P.O. #: _____

Date/Time Taken	Sample Description	Matrix	Analyses	Comments	Lab ID.
3/19/15 1425	WFT-SOUTH	S	PCB's		15-1249-001
3/19/15 1425	WFT-NORTH	S			
			Hold - Do Not Analyze		

FOR LAB USE ONLY:
 Cooler Temperature: 0.1-6°C Yes ___ No ___ °C
 Received within 6 hrs. of collection: _____ °C
 Ice Present: Yes ___ No ___
 Sample Refrigerated: Yes No ___ °C
 Refrigerator Temperature: _____ °C
 5035 Vials Frozen: Yes ___ No ___
 Freezer Temperature: _____ °C
 Preservation Requirements Met: Yes No
 Need to meet: IL TACO IN RISC

Notes and Special Instructions: _____

Relinquished By: Josh Kunde Date/Time: 3/20/15 11:15
 Relinquished By: _____ Date/Time: _____
 Received By: Sam Sibomalla Date/Time: 3/20/15 11:15
 Received By: _____ Date/Time: _____