



Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name: **INDIAN CREEK LANDFILL #2**

Project/Facility Number: 1790305011 Date Received : 02/14/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 14.00

Client Sample ID: **G18DT** Lab Sample ID: **17B0274-01**

Matrix: Water Collected By: JT Date/Time Collected: 02/14/17 9:45

Sample Type: Sample Depth: Total Depth: 0

Chloride by Ion Chromatography 300.0

Method: EPA 300.0 Prepared: 02/21/17 07:00

Units: mg/L Analyzed: 02/21/17 13:47

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Chloride	2.69		1.00	

Cyanide by EPA Method 335.4

Method: 335.4 Prepared: 02/16/17 08:52

Units: mg/L Analyzed: 02/16/17 12:57

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Cyanide	ND		0.005	

pH

Method: SM 4500H+B Prepared: 02/16/17 14:34

Units: PH Analyzed: 02/16/17 14:37

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Laboratory pH	7.5	Q	0.1	

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LABORATORY RESULTS

Name: **INDIAN CREEK LANDFILL #2**

Project/Facility Number: 1790305011 Date Received : 02/14/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 14.00

Client Sample ID: **G18DT** Lab Sample ID: **17B0274-01**

Matrix: Water Collected By: JT Date/Time Collected: 02/14/17 9:45

Sample Type: Sample Depth: Total Depth: 0

Specific Conductance by Standard Method 2510B

Method: 2510B Prepared: 02/28/17 12:08

Units: umho/cm Analyzed: 02/28/17 12:11

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Specific Conductance	665.0		10.00	

Total Dissolved Solids, Gravimetric, Dried at 180oC by Std. Method 2540C

Method: 2540C Prepared: 02/15/17 10:00

Units: mg/L Analyzed: 02/16/17 14:03

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Total Dissolved Solids *	362		10	

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LABORATORY RESULTS

Name: **INDIAN CREEK LANDFILL #2**

Project/Facility Number: 1790305011 Date Received : 02/14/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 14.00

Client Sample ID: **G18DD** Lab Sample ID: **17B0274-02**

Matrix: Water Collected By: JT Date/Time Collected: 02/14/17 9:45

Sample Type: Sample Depth: Total Depth: 0

Chloride by Ion Chromatography 300.0

Method: EPA 300.0 Prepared: 02/21/17 07:00

Units: mg/L Analyzed: 02/21/17 13:57

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Chloride	2.67		1.00	

Mercury by EPA Method 7470

Method: 7470 Prepared: 02/24/17 07:34

Units: ug/L Analyzed: 03/01/17 11:48

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Mercury	ND		0.06	

Metals by EPA 6000/7000 Series Methods

Method: 6020 Prepared: 02/23/17 07:49

Units: ug/L Analyzed: 03/01/17 11:16

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Antimony	ND		2.00	
Arsenic	119		0.50	
Lead	ND		5.00	
Selenium	ND		2.00	
Thallium	ND		2.00	

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LABORATORY RESULTS

Name: **INDIAN CREEK LANDFILL #2**

Project/Facility Number: 1790305011 Date Received : 02/14/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 14.00

Client Sample ID: **G18DD** Lab Sample ID: **17B0274-02**

Matrix: Water Collected By: JT Date/Time Collected: 02/14/17 9:45

Sample Type: Sample Depth: Total Depth: 0

Metals (Minerals) by EPA Method 6010 - ICP

Method: SW-846 6010 Prepared: 02/23/17 07:47

Units: mg/L Analyzed: 02/27/17 10:58

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Calcium	60.7		0.30	100000
Magnesium	35.9		0.30	100000
Potassium	2.45		1.40	100000
Sodium	22.9		0.30	
Hardness	299		1.98	

Metals by EPA Method 6010 - ICP

Method: SW-846 6010 Prepared: 02/23/17 07:47

Units: ug/L Analyzed: 02/27/17 10:58

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Aluminum	ND		60.0	40000
Barium	110		5.00	
Beryllium	ND		1.00	
Boron	204		10.0	
Cadmium	ND		3.00	
Chromium	ND		5.00	
Cobalt	ND		10.0	
Copper	ND		10.0	
Iron	2730		50.0	40000
Manganese	ND		15.0	
Nickel	ND		5.00	

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Name: **INDIAN CREEK LANDFILL #2**

Project/Facility Number: 1790305011 Date Received : 02/14/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 14.00

Client Sample ID: **G18DD** Lab Sample ID: **17B0274-02**

Matrix: Water Collected By: JT Date/Time Collected: 02/14/17 9:45

Sample Type: Sample Depth: Total Depth: 0

Metals by EPA Method 6010 - ICP

Method: SW-846 6010 Prepared: 02/23/17 07:47

Units: ug/L Analyzed: 02/27/17 10:58

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Silver	ND		3.00	
Strontium	411		5.00	
Vanadium	ND		5.00	
Zinc	ND		25.0	

Nitrate-Nitrite, Colorimetric, Automated Cadmium by EPA Method 353.2

Method: 353.2 Prepared: 02/17/17 10:30

Units: mg/L Analyzed: 02/17/17 15:47

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Nitrogen, Nitrite (NO ₂) + Nitrate (NO ₃)	ND		0.100	

Nitrogen, Ammonia, Colorimetric, Automated Phenate by EPA Method 350.1

Method: EPA 350.1 Prepared: 02/15/17 11:02

Units: mg/L Analyzed: 02/15/17 11:02

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Ammonia as N	4.22		0.10	

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Name: **INDIAN CREEK LANDFILL #2**

Project/Facility Number: 1790305011 Date Received : 02/14/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 14.00

Client Sample ID: **G18DD** Lab Sample ID: **17B0274-02**

Matrix: Water Collected By: JT Date/Time Collected: 02/14/17 9:45

Sample Type: Sample Depth: Total Depth: 0

Sulfate by Ion Chromatography 300.0

Method: 300.0 Prepared: 02/21/17 07:00

Units: mg/L Analyzed: 02/21/17 13:57

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Sulfate	ND		10.0	

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Name: **INDIAN CREEK LANDFILL #2**

Project/Facility Number: 1790305011 Date Received : 02/14/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 14.00

Client Sample ID: **G02DT** Lab Sample ID: **17B0274-03**

Matrix: Water Collected By: JT Date/Time Collected: 02/14/17 10:40

Sample Type: Sample Depth: Total Depth: 0

Chloride by Ion Chromatography 300.0

Method: EPA 300.0 Prepared: 02/21/17 07:00

Units: mg/L Analyzed: 02/21/17 14:06

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Chloride	1.83		1.00	

Cyanide by EPA Method 335.4

Method: 335.4 Prepared: 02/16/17 08:52

Units: mg/L Analyzed: 02/16/17 12:59

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Cyanide	ND		0.005	

pH

Method: SM 4500H+B Prepared: 02/16/17 14:34

Units: PH Analyzed: 02/16/17 14:37

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Laboratory pH	7.5	Q	0.1	

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Name: **INDIAN CREEK LANDFILL #2**

Project/Facility Number: 1790305011 Date Received : 02/14/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 14.00

Client Sample ID: **G02DT** Lab Sample ID: **17B0274-03**

Matrix: Water Collected By: JT Date/Time Collected: 02/14/17 10:40

Sample Type: Sample Depth: Total Depth: 0

Specific Conductance by Standard Method 2510B

Method: 2510B Prepared: 02/28/17 12:08

Units: umho/cm Analyzed: 02/28/17 12:11

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Specific Conductance	653.0		10.00	

Total Dissolved Solids, Gravimetric, Dried at 180oC by Std. Method 2540C

Method: 2540C Prepared: 02/15/17 10:00

Units: mg/L Analyzed: 02/16/17 14:03

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Total Dissolved Solids *	370		10	

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LABORATORY RESULTS

Name: **INDIAN CREEK LANDFILL #2**

Project/Facility Number: 1790305011 Date Received : 02/14/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 14.00

Client Sample ID: **G02DD** Lab Sample ID: **17B0274-04**

Matrix: Water Collected By: JT Date/Time Collected: 02/14/17 10:40

Sample Type: Sample Depth: Total Depth: 0

Chloride by Ion Chromatography 300.0

Method: EPA 300.0 Prepared: 02/21/17 07:00

Units: mg/L Analyzed: 02/21/17 17:35

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Chloride	1.91		1.00	

Mercury by EPA Method 7470

Method: 7470 Prepared: 02/24/17 07:34

Units: ug/L Analyzed: 03/01/17 11:48

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Mercury	ND		0.06	

Metals by EPA 6000/7000 Series Methods

Method: 6020 Prepared: 02/23/17 07:49

Units: ug/L Analyzed: 03/01/17 11:19

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Antimony	ND		2.00	
Arsenic	48.3		0.50	
Lead	ND		5.00	
Selenium	ND		2.00	
Thallium	ND		2.00	

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LABORATORY RESULTS

Name: **INDIAN CREEK LANDFILL #2**

Project/Facility Number: 1790305011 Date Received : 02/14/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 14.00

Client Sample ID: **G02DD** Lab Sample ID: **17B0274-04**

Matrix: Water Collected By: JT Date/Time Collected: 02/14/17 10:40

Sample Type: Sample Depth: Total Depth: 0

Metals (Minerals) by EPA Method 6010 - ICP

Method: SW-846 6010 Prepared: 02/23/17 07:47

Units: mg/L Analyzed: 02/27/17 11:01

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Calcium	60.3		0.30	100000
Magnesium	33.5		0.30	100000
Potassium	1.97		1.40	100000
Sodium	20.4		0.30	
Hardness	289		1.98	

Metals by EPA Method 6010 - ICP

Method: SW-846 6010 Prepared: 02/23/17 07:47

Units: ug/L Analyzed: 02/27/17 11:01

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Aluminum	ND		60.0	40000
Barium	96.2		5.00	
Beryllium	ND		1.00	
Boron	192		10.0	
Cadmium	ND		3.00	
Chromium	ND		5.00	
Cobalt	ND		10.0	
Copper	ND		10.0	
Iron	1810		50.0	40000
Manganese	27.7		15.0	
Nickel	ND		5.00	

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LABORATORY RESULTS

Name: **INDIAN CREEK LANDFILL #2**

Project/Facility Number: 1790305011 Date Received : 02/14/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 14.00

Client Sample ID: **G02DD** Lab Sample ID: **17B0274-04**

Matrix: Water Collected By: JT Date/Time Collected: 02/14/17 10:40

Sample Type: Sample Depth: Total Depth: 0

Metals by EPA Method 6010 - ICP

Method: SW-846 6010 Prepared: 02/23/17 07:47

Units: ug/L Analyzed: 02/27/17 11:01

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Silver	ND		3.00	
Strontium	345		5.00	
Vanadium	ND		5.00	
Zinc	ND		25.0	

Nitrate-Nitrite, Colorimetric, Automated Cadmium by EPA Method 353.2

Method: 353.2 Prepared: 02/17/17 10:30

Units: mg/L Analyzed: 02/17/17 15:49

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Nitrogen, Nitrite (NO ₂) + Nitrate (NO ₃)	ND		0.100	

Nitrogen, Ammonia, Colorimetric, Automated Phenate by EPA Method 350.1

Method: EPA 350.1 Prepared: 02/15/17 11:02

Units: mg/L Analyzed: 02/15/17 11:02

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Ammonia as N	1.68		0.10	

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Name: **INDIAN CREEK LANDFILL #2**

Project/Facility Number: 1790305011 Date Received : 02/14/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 14.00

Client Sample ID: **G02DD** Lab Sample ID: **17B0274-04**

Matrix: Water Collected By: JT Date/Time Collected: 02/14/17 10:40

Sample Type: Sample Depth: Total Depth: 0

Sulfate by Ion Chromatography 300.0

Method: 300.0 Prepared: 02/21/17 07:00

Units: mg/L Analyzed: 02/21/17 17:35

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Sulfate	ND		10.0	

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Name: **INDIAN CREEK LANDFILL #2**

Project/Facility Number: 1790305011 Date Received : 02/14/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 14.00

Client Sample ID: **G06DT** Lab Sample ID: **17B0274-05**

Matrix: Water Collected By: JT Date/Time Collected: 02/14/17 12:07

Sample Type: Sample Depth: Total Depth: 0

Chloride by Ion Chromatography 300.0

Method: EPA 300.0 Prepared: 02/21/17 07:00

Units: mg/L Analyzed: 02/21/17 17:45

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Chloride	2.96		1.00	

Cyanide by EPA Method 335.4

Method: 335.4 Prepared: 02/16/17 08:52

Units: mg/L Analyzed: 02/16/17 13:00

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Cyanide	ND		0.005	

pH

Method: SM 4500H+B Prepared: 02/16/17 14:34

Units: PH Analyzed: 02/16/17 14:37

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Laboratory pH	7.2	Q	0.1	

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Name: **INDIAN CREEK LANDFILL #2**

Project/Facility Number: 1790305011 Date Received : 02/14/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 14.00

Client Sample ID: **G06DT** Lab Sample ID: **17B0274-05**

Matrix: Water Collected By: JT Date/Time Collected: 02/14/17 12:07

Sample Type: Sample Depth: Total Depth: 0

Specific Conductance by Standard Method 2510B

Method: 2510B Prepared: 02/28/17 12:08

Units: umho/cm Analyzed: 02/28/17 12:11

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Specific Conductance	754.0		10.00	

Total Dissolved Solids, Gravimetric, Dried at 180oC by Std. Method 2540C

Method: 2540C Prepared: 02/15/17 10:00

Units: mg/L Analyzed: 02/16/17 14:03

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Total Dissolved Solids *	430		10	

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LABORATORY RESULTS

Name: **INDIAN CREEK LANDFILL #2**

Project/Facility Number: 1790305011 Date Received : 02/14/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 14.00

Client Sample ID: **G06DD** Lab Sample ID: **17B0274-06**

Matrix: Water Collected By: JT Date/Time Collected: 02/14/17 12:07

Sample Type: Sample Depth: Total Depth: 0

Chloride by Ion Chromatography 300.0

Method: EPA 300.0 Prepared: 02/21/17 07:00

Units: mg/L Analyzed: 02/21/17 17:55

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Chloride	2.93		1.00	

Mercury by EPA Method 7470

Method: 7470 Prepared: 02/24/17 07:34

Units: ug/L Analyzed: 03/01/17 11:48

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Mercury	ND		0.06	

Metals by EPA 6000/7000 Series Methods

Method: 6020 Prepared: 02/23/17 07:49

Units: ug/L Analyzed: 03/01/17 11:22

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Antimony	ND		2.00	
Arsenic	28.4		0.50	
Lead	ND		5.00	
Selenium	ND		2.00	
Thallium	ND		2.00	

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LABORATORY RESULTS

Name: **INDIAN CREEK LANDFILL #2**

Project/Facility Number: 1790305011 Date Received : 02/14/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 14.00

Client Sample ID: **G06DD** Lab Sample ID: **17B0274-06**

Matrix: Water Collected By: JT Date/Time Collected: 02/14/17 12:07

Sample Type: Sample Depth: Total Depth: 0

Metals (Minerals) by EPA Method 6010 - ICP

Method: SW-846 6010 Prepared: 02/23/17 07:47

Units: mg/L Analyzed: 02/27/17 11:04

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Calcium	78.9		0.30	100000
Magnesium	35.0		0.30	100000
Potassium	2.74		1.40	100000
Sodium	20.2		0.30	
Hardness	341		1.98	

Metals by EPA Method 6010 - ICP

Method: SW-846 6010 Prepared: 02/23/17 07:47

Units: ug/L Analyzed: 02/27/17 11:04

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Aluminum	ND		60.0	40000
Barium	128		5.00	
Beryllium	ND		1.00	
Boron	210		10.0	
Cadmium	ND		3.00	
Chromium	ND		5.00	
Cobalt	ND		10.0	
Copper	ND		10.0	
Iron	2370		50.0	40000
Manganese	146		15.0	
Nickel	ND		5.00	

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LABORATORY RESULTS

Name: **INDIAN CREEK LANDFILL #2**

Project/Facility Number: 1790305011 Date Received : 02/14/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 14.00

Client Sample ID: **G06DD** Lab Sample ID: **17B0274-06**

Matrix: Water Collected By: JT Date/Time Collected: 02/14/17 12:07

Sample Type: Sample Depth: Total Depth: 0

Metals by EPA Method 6010 - ICP

Method: SW-846 6010 Prepared: 02/23/17 07:47

Units: ug/L Analyzed: 02/27/17 11:04

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Silver	ND		3.00	
Strontium	359		5.00	
Vanadium	ND		5.00	
Zinc	ND		25.0	

Nitrate-Nitrite, Colorimetric, Automated Cadmium by EPA Method 353.2

Method: 353.2 Prepared: 02/17/17 10:30

Units: mg/L Analyzed: 02/17/17 15:50

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Nitrogen, Nitrite (NO ₂) + Nitrate (NO ₃)	ND		0.100	

Nitrogen, Ammonia, Colorimetric, Automated Phenate by EPA Method 350.1

Method: EPA 350.1 Prepared: 02/15/17 11:02

Units: mg/L Analyzed: 02/15/17 11:02

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Ammonia as N	0.75		0.10	

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LABORATORY RESULTS

Name: **INDIAN CREEK LANDFILL #2**

Project/Facility Number: 1790305011 Date Received : 02/14/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 14.00

Client Sample ID: **G06DD** Lab Sample ID: **17B0274-06**

Matrix: Water Collected By: JT Date/Time Collected: 02/14/17 12:07

Sample Type: Sample Depth: Total Depth: 0

Sulfate by Ion Chromatography 300.0

Method: 300.0 Prepared: 02/21/17 07:00

Units: mg/L Analyzed: 02/21/17 17:55

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Sulfate	ND		10.0	

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LABORATORY RESULTS

Name: **INDIAN CREEK LANDFILL #2**

Project/Facility Number: 1790305011 Date Received : 02/14/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 14.00

Client Sample ID: **G29DT** Lab Sample ID: **17B0274-07**

Matrix: Water Collected By: JT Date/Time Collected: 02/14/17 11:17

Sample Type: Sample Depth: Total Depth: 0

Chloride by Ion Chromatography 300.0

Method: EPA 300.0 Prepared: 02/21/17 07:00

Units: mg/L Analyzed: 02/21/17 18:04

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Chloride	3.07		1.00	

Cyanide by EPA Method 335.4

Method: 335.4 Prepared: 02/16/17 08:52

Units: mg/L Analyzed: 02/16/17 13:00

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Cyanide	ND		0.005	

pH

Method: SM 4500H+B Prepared: 02/16/17 14:34

Units: PH Analyzed: 02/16/17 14:37

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Laboratory pH	7.2	Q	0.1	

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LABORATORY RESULTS

Name: **INDIAN CREEK LANDFILL #2**

Project/Facility Number: 1790305011 Date Received : 02/14/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 14.00

Client Sample ID: **G29DT** Lab Sample ID: **17B0274-07**

Matrix: Water Collected By: JT Date/Time Collected: 02/14/17 11:17

Sample Type: Sample Depth: Total Depth: 0

Specific Conductance by Standard Method 2510B

Method: 2510B Prepared: 02/28/17 12:08

Units: umho/cm Analyzed: 02/28/17 12:11

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Specific Conductance	883.0		10.00	

Total Dissolved Solids, Gravimetric, Dried at 180oC by Std. Method 2540C

Method: 2540C Prepared: 02/15/17 10:00

Units: mg/L Analyzed: 02/16/17 14:03

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Total Dissolved Solids *	494		10	

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LABORATORY RESULTS

Name: **INDIAN CREEK LANDFILL #2**

Project/Facility Number: 1790305011 Date Received : 02/14/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 14.00

Client Sample ID: **G29DD** Lab Sample ID: **17B0274-08**

Matrix: Water Collected By: JT Date/Time Collected: 02/14/17 11:17

Sample Type: Sample Depth: Total Depth: 0

Chloride by Ion Chromatography 300.0

Method: EPA 300.0 Prepared: 02/21/17 07:00

Units: mg/L Analyzed: 02/21/17 18:14

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Chloride	3.16		1.00	

Mercury by EPA Method 7470

Method: 7470 Prepared: 02/24/17 07:34

Units: ug/L Analyzed: 03/01/17 11:48

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Mercury	ND		0.06	

Metals by EPA 6000/7000 Series Methods

Method: 6020 Prepared: 02/23/17 07:49

Units: ug/L Analyzed: 03/01/17 11:25

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Antimony	ND		2.00	
Arsenic	68.2		0.50	
Lead	ND		5.00	
Selenium	ND		2.00	
Thallium	ND		2.00	

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LABORATORY RESULTS

Name: **INDIAN CREEK LANDFILL #2**

Project/Facility Number: 1790305011 Date Received : 02/14/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 14.00

Client Sample ID: **G29DD** Lab Sample ID: **17B0274-08**

Matrix: Water Collected By: JT Date/Time Collected: 02/14/17 11:17

Sample Type: Sample Depth: Total Depth: 0

Metals (Minerals) by EPA Method 6010 - ICP

Method: SW-846 6010 Prepared: 02/23/17 07:47

Units: mg/L Analyzed: 02/27/17 11:07

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Calcium	84.3		0.30	100000
Magnesium	45.9		0.30	100000
Potassium	2.73		1.40	100000
Sodium	24.5		0.30	
Hardness	399		1.98	

Metals by EPA Method 6010 - ICP

Method: SW-846 6010 Prepared: 02/23/17 07:47

Units: ug/L Analyzed: 02/27/17 11:07

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Aluminum	60.5		60.0	40000
Barium	197		5.00	
Beryllium	ND		1.00	
Boron	238		10.0	
Cadmium	ND		3.00	
Chromium	ND		5.00	
Cobalt	ND		10.0	
Copper	ND		10.0	
Iron	3940		50.0	40000
Manganese	19.9		15.0	
Nickel	ND		5.00	

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LABORATORY RESULTS

Name: **INDIAN CREEK LANDFILL #2**

Project/Facility Number: 1790305011 Date Received : 02/14/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 14.00

Client Sample ID: **G29DD** Lab Sample ID: **17B0274-08**

Matrix: Water Collected By: JT Date/Time Collected: 02/14/17 11:17

Sample Type: Sample Depth: Total Depth: 0

Metals by EPA Method 6010 - ICP

Method: SW-846 6010 Prepared: 02/23/17 07:47

Units: ug/L Analyzed: 02/27/17 11:07

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Silver	ND		3.00	
Strontium	591		5.00	
Vanadium	ND		5.00	
Zinc	ND		25.0	

Nitrate-Nitrite, Colorimetric, Automated Cadmium by EPA Method 353.2

Method: 353.2 Prepared: 02/17/17 10:30

Units: mg/L Analyzed: 02/17/17 15:51

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Nitrogen, Nitrite (NO ₂) + Nitrate (NO ₃)	ND		0.100	

Nitrogen, Ammonia, Colorimetric, Automated Phenate by EPA Method 350.1

Method: EPA 350.1 Prepared: 02/15/17 11:02

Units: mg/L Analyzed: 02/15/17 11:02

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Ammonia as N	4.53		0.10	

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LABORATORY RESULTS

Name: **INDIAN CREEK LANDFILL #2**

Project/Facility Number: 1790305011 Date Received : 02/14/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 14.00

Client Sample ID: **G29DD** Lab Sample ID: **17B0274-08**

Matrix: Water Collected By: JT Date/Time Collected: 02/14/17 11:17

Sample Type: Sample Depth: Total Depth: 0

Sulfate by Ion Chromatography 300.0

Method: 300.0 Prepared: 02/21/17 07:00

Units: mg/L Analyzed: 02/21/17 18:14

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Sulfate	ND		10.0	

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LABORATORY RESULTS

Name: **INDIAN CREEK LANDFILL #2**

Project/Facility Number: 1790305011 Date Received : 02/14/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 14.00

Client Sample ID: **G90DT** Lab Sample ID: **17B0274-09**

Matrix: Water Collected By: JT Date/Time Collected: 02/14/17 10:40

Sample Type: Sample Depth: Total Depth: 0

Chloride by Ion Chromatography 300.0

Method: EPA 300.0 Prepared: 02/21/17 07:00

Units: mg/L Analyzed: 02/21/17 18:24

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Chloride	1.96		1.00	

Cyanide by EPA Method 335.4

Method: 335.4 Prepared: 02/16/17 08:52

Units: mg/L Analyzed: 02/16/17 13:01

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Cyanide	ND		0.005	

pH

Method: SM 4500H+B Prepared: 02/16/17 14:34

Units: PH Analyzed: 02/16/17 14:37

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Laboratory pH	7.4	Q	0.1	

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LABORATORY RESULTS

Name: **INDIAN CREEK LANDFILL #2**

Project/Facility Number: 1790305011 Date Received : 02/14/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 14.00

Client Sample ID: **G90DT** Lab Sample ID: **17B0274-09**

Matrix: Water Collected By: JT Date/Time Collected: 02/14/17 10:40

Sample Type: Sample Depth: Total Depth: 0

Specific Conductance by Standard Method 2510B

Method: 2510B Prepared: 02/28/17 12:08

Units: umho/cm Analyzed: 02/28/17 12:11

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Specific Conductance	653.0		10.00	

Total Dissolved Solids, Gravimetric, Dried at 180oC by Std. Method 2540C

Method: 2540C Prepared: 02/15/17 10:00

Units: mg/L Analyzed: 02/16/17 14:03

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Total Dissolved Solids *	364		10	

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LABORATORY RESULTS

Name: **INDIAN CREEK LANDFILL #2**

Project/Facility Number: 1790305011 Date Received : 02/14/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 14.00

Client Sample ID: **G90DD** Lab Sample ID: **17B0274-10**

Matrix: Water Collected By: JT Date/Time Collected: 02/14/17 10:40

Sample Type: Sample Depth: Total Depth: 0

Chloride by Ion Chromatography 300.0

Method: EPA 300.0 Prepared: 02/21/17 07:00

Units: mg/L Analyzed: 02/21/17 18:33

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Chloride	1.93		1.00	

Mercury by EPA Method 7470

Method: 7470 Prepared: 02/24/17 07:34

Units: ug/L Analyzed: 03/01/17 11:48

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Mercury	ND		0.06	

Metals by EPA 6000/7000 Series Methods

Method: 6020 Prepared: 02/23/17 07:49

Units: ug/L Analyzed: 03/01/17 11:33

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Antimony	ND		2.00	
Arsenic	48.0		0.50	
Lead	ND		5.00	
Selenium	ND		2.00	
Thallium	ND		2.00	

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LABORATORY RESULTS

Name: **INDIAN CREEK LANDFILL #2**

Project/Facility Number: 1790305011 Date Received : 02/14/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 14.00

Client Sample ID: **G90DD** Lab Sample ID: **17B0274-10**

Matrix: Water Collected By: JT Date/Time Collected: 02/14/17 10:40

Sample Type: Sample Depth: Total Depth: 0

Metals (Minerals) by EPA Method 6010 - ICP

Method: SW-846 6010 Prepared: 02/23/17 07:47

Units: mg/L Analyzed: 02/27/17 11:10

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Calcium	63.2		0.30	100000
Magnesium	35.5		0.30	100000
Potassium	2.10		1.40	100000
Sodium	21.3		0.30	
Hardness	304		1.98	

Metals by EPA Method 6010 - ICP

Method: SW-846 6010 Prepared: 02/23/17 07:47

Units: ug/L Analyzed: 02/27/17 11:10

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Aluminum	82.3		60.0	40000
Barium	104		5.00	
Beryllium	ND		1.00	
Boron	204		10.0	
Cadmium	ND		3.00	
Chromium	ND		5.00	
Cobalt	ND		10.0	
Copper	ND		10.0	
Iron	1960		50.0	40000
Manganese	29.1		15.0	
Nickel	ND		5.00	

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LABORATORY RESULTS

Name: **INDIAN CREEK LANDFILL #2**

Project/Facility Number: 1790305011 Date Received : 02/14/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 14.00

Client Sample ID: **G90DD** Lab Sample ID: **17B0274-10**

Matrix: Water Collected By: JT Date/Time Collected: 02/14/17 10:40

Sample Type: Sample Depth: Total Depth: 0

Metals by EPA Method 6010 - ICP

Method: SW-846 6010 Prepared: 02/23/17 07:47

Units: ug/L Analyzed: 02/27/17 11:10

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Silver	ND		3.00	
Strontium	376		5.00	
Vanadium	ND		5.00	
Zinc	ND		25.0	

Nitrate-Nitrite, Colorimetric, Automated Cadmium by EPA Method 353.2

Method: 353.2 Prepared: 02/17/17 10:30

Units: mg/L Analyzed: 02/17/17 15:52

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Nitrogen, Nitrite (NO ₂) + Nitrate (NO ₃)	ND		0.100	

Nitrogen, Ammonia, Colorimetric, Automated Phenate by EPA Method 350.1

Method: EPA 350.1 Prepared: 02/15/17 11:02

Units: mg/L Analyzed: 02/15/17 11:02

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Ammonia as N	1.62		0.10	

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Reported:
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Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name: **INDIAN CREEK LANDFILL #2**

Project/Facility Number: 1790305011 Date Received : 02/14/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 14.00

Client Sample ID: **G90DD** Lab Sample ID: **17B0274-10**

Matrix: Water Collected By: JT Date/Time Collected: 02/14/17 10:40

Sample Type: Sample Depth: Total Depth: 0

Sulfate by Ion Chromatography 300.0

Method: 300.0 Prepared: 02/21/17 07:00

Units: mg/L Analyzed: 02/21/17 18:33

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Sulfate	ND		10.0	

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LABORATORY RESULTS

Name:	INDIAN CREEK LANDFILL #2	Date Received :	02/14/17
Project/Facility Number:	1790305011	Visit Number:	
Funding Code:	LP43	Temperature C:	14.00
Trip ID:			

Notes and Definitions

- Q Maximum holding time exceeded.
- ND Analyte NOT DETECTED at or above the reporting limit
- * Non-NELAP accredited

Report Authorized by:

Tom Weiss
Laboratory Manager

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Reported:
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