

**From:** [Curt Publow](#)  
**To:** [IDEM OLO Solid Waste Permits Submittals](#); [Wren, Kira](#)  
**Cc:** [Curt Publow](#)  
**Subject:** SSLF StW Submittal 07.02.24.pdf  
**Date:** Tuesday, July 2, 2024 6:47:43 AM  
**Attachments:** [SSLF StW Submittal 07.02.24.pdf](#)

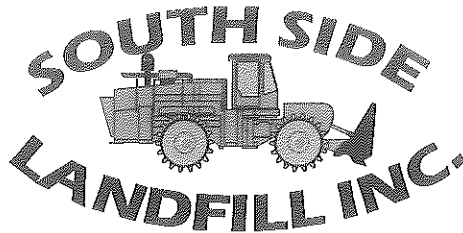
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\*\*\*\* This is an EXTERNAL email. Exercise caution. DO NOT open attachments or click links from unknown senders or unexpected email. \*\*\*\*

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Good morning, here is the latest storm water submittal for South Side Landfill. If you have any questions, please let us know.

Thank you,  
Curt Publow  
South Side Landfill, Inc.  
2561 Kentucky Ave.  
Indianapolis, IN 46221  
317-710-3534  
[www.ssidelandfill.com](http://www.ssidelandfill.com)



2561 KENTUCKY AVENUE • PHONE (317) 247-6808 • INDIANAPOLIS, INDIANA 46221

July 1, 2024

**Via: Email**

Kira Wren  
IDEM, Office of Land Quality  
Solid Waste Permit Section  
100 North Senate Ave.  
Indianapolis, IN 46204-2251

Re: Storm Water Analysis  
South Side Landfill  
FP 49-01

Dear Ms. Wren:

In accordance with 329 IAC 10-20-11 South Side Landfill (SSLF) has attached analytical results, storm water basin sampling results, and storm water investigation – sampling field sheet for your review. Samples at DP#5 were collected on May 14, 2024, but there was no flow at the other outfalls on that date. Per permit condition G5 of the facility's permit, an electronic data file has been submitted via email to [olqdata@idem.in.gov](mailto:olqdata@idem.in.gov). This pdf copy of the complete report is being submitted to you by email.

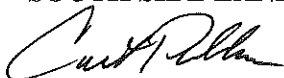
During this event, there was only discharge from outfall DP#5 therefore there are no results for outfalls DP#2, DP#3, or DP#4. Outfall DP #1 was eliminated from the facility prior to the issuance of the current permit, so the basin report for Outfall DP #1 is not included with this report. There were not any outfalls and/or sedimentation basins added or eliminated since the last semi-annual report.

The results for DP#5 were below the site-specific benchmarks for all parameters.

If you have any questions or need more information, please contact me at 317-710-3534.

Sincerely

**SOUTH SIDE LANDFILL, INC.**

  
Curt Publow

## Curt Publow

---

**From:** Curt Publow  
**Sent:** Tuesday, July 2, 2024 6:34 AM  
**To:** olqdata@idem.in.gov  
**Cc:** Curt Publow  
**Subject:** South Side Landfill 49-01 Storm Water Sampling Results  
**Attachments:** SSLF 05.14.24.txt

Attached, please find the latest storm water sampling results for South Side Landfill.

Thank you,  
Curt Publow  
South Side Landfill, Inc.  
2561 Kentucky Ave.  
Indianapolis, IN 46221  
317-710-3534  
[www.ssidelandfill.com](http://www.ssidelandfill.com)

"Pace Analytical Services, Inc."

South Side Landfill 49-01

Storm Water

| SampleDate         | SamplePointName | LaboratorySampleID | SampleType              | SpeciesName    | Concentration  |     |      |                     |    |
|--------------------|-----------------|--------------------|-------------------------|----------------|----------------|-----|------|---------------------|----|
| ConcentrationUnits | Detected        | DetectionLimit     | AnalyticalMethods       | EstimatedValue | Comments       |     |      |                     |    |
| SampleMedium       | ProgramArea     |                    |                         |                |                |     |      |                     |    |
| 5/14/2024          | DP#5            | 50373139001        | Regular field pH        | 7.8            | standard units | Yes | 0.1  |                     |    |
| SM4500-H+ B - 2000 | NO              |                    | Storm water             | Solid Waste    |                |     |      |                     |    |
| 5/14/2024          | DP#5            | 50373139001        | Regular BOD5            | 8.5            | mg/l           | Yes | 2    | SM 5210B-2001       | NO |
|                    | Storm water     | Solid Waste        |                         |                |                |     |      |                     |    |
| 5/14/2024          | DP#5            | 50373139001        | Regular TSS             | 128            | mg/l           | Yes | 8.1  | SM 2540 D 19th Ed.  |    |
| NO                 | Storm water     | Solid Waste        |                         |                |                |     |      |                     |    |
| 5/14/2024          | DP#5            | 50373139001        | Regular total Phenolics | 0.01           | mg/l           | No  | 0.01 | 4-AAP EPA           |    |
| 420.4              | NO              |                    | Storm water             | Solid Waste    |                |     |      |                     |    |
| 5/14/2024          | DP#5            | 50373139001        | Regular Ammonia         | 0.1            | mg/l           | No  | 0.1  | SM4500-NH3 G - 1997 |    |
| NO                 | Storm water     | Solid Waste        |                         |                |                |     |      |                     |    |
| 5/14/2024          | DP#5            | 50373139001        | Regular Total Iron      | 3.1            | mg/l           | Yes | 0.1  | EPA 200.7           |    |
| Rev 4.4            | NO              |                    | Storm water             | Solid Waste    |                |     |      |                     |    |

# Storm Water Basin Sampling Results Report

Marion County

South Side Landfill  
IDEM Permit No. 49-01

| Outfall | Sample Location | Date | Time Sample Collected | Name of Sampler | Date Analysis Reported | Laboratory Conducting Analysis       | Total Iron (mg/L) | Ammonia as N (mg/L) | BOD <sub>5</sub> (mg/L) | TSS (mg/L) | Field pH (s.u.) | Total Phenolics (mg/L) |
|---------|-----------------|------|-----------------------|-----------------|------------------------|--------------------------------------|-------------------|---------------------|-------------------------|------------|-----------------|------------------------|
|         |                 |      |                       |                 |                        | D.L.                                 | 0.020             | 0.10                | 2.0                     | 1          | 0.10            | 0.005                  |
|         |                 |      |                       |                 |                        | Test Method                          | E200.7            | SM4500              | M5210 B                 | SM2540D    | SM4500          | E420.1                 |
| DP #2   | DP #2           |      |                       | C. Publow       |                        | No discharge during 1st half of 2019 |                   |                     |                         |            |                 |                        |
| DP #2   | DP #2           |      |                       | C. Publow       |                        | No discharge during 2nd half of 2019 |                   |                     |                         |            |                 |                        |
| DP #2   | DP #2           |      |                       | C. Publow       |                        | No discharge during 1st half of 2020 |                   |                     |                         |            |                 |                        |
| DP #2   | DP #2           |      |                       | C. Publow       |                        | No discharge during 2nd half of 2020 |                   |                     |                         |            |                 |                        |
| DP #2   | DP #2           |      |                       | C. Publow       |                        | No discharge during 1st half of 2021 |                   |                     |                         |            |                 |                        |
| DP #2   | DP #2           |      |                       | C. Publow       |                        | No discharge during 2nd half of 2021 |                   |                     |                         |            |                 |                        |
| DP #2   | DP #2           |      |                       | C. Publow       |                        | No discharge during 1st half of 2022 |                   |                     |                         |            |                 |                        |
| DP #2   | DP #2           |      |                       | C. Publow       |                        | No discharge during 2nd half of 2022 |                   |                     |                         |            |                 |                        |
| DP #2   | DP #2           |      |                       | C. Publow       |                        | No discharge during 1st half of 2023 |                   |                     |                         |            |                 |                        |
| DP #2   | DP #2           |      |                       | C. Publow       |                        | No discharge during 2nd half of 2023 |                   |                     |                         |            |                 |                        |
| DP #2   | DP #2           |      |                       | C. Publow       |                        | No discharge during 1st half of 2024 |                   |                     |                         |            |                 |                        |
| DP #2   | DP #2           |      |                       |                 |                        |                                      |                   |                     |                         |            |                 |                        |
| DP #2   | DP #2           |      |                       |                 |                        |                                      |                   |                     |                         |            |                 |                        |

### CERTIFICATION

I, Curt Publow (responsible corporate official or designee), certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluate the information submitted. Based on my inquiry of the persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further certify that I am authorized to submit this information (329 IAC 10-11-3(d)).

|  |   |
|--|---|
| <b>A. Name:</b> Curt Publow  | <b>C. Title:</b> Environmental Compliance Manager |
| <b>B. Signature:</b>  | <b>D. Date Signed:</b> 7/1/24                     |

- Note:
1. One report sheet per basin sampled
  2. A complete copy of the laboratory report, including chain of custody, is attached for each sample
  3. D.L. = Detection Limit
  4. ND = Not Detected at the reporting limit

# Storm Water Basin Sampling Results Report

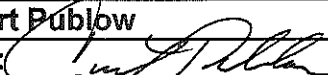
South Side Landfill  
IDEM Permit No. 49-01

Marion County

| Outfall | Sample Location | Date     | Time Sample Collected | Name of Sampler | Date Analysis Reported               | Laboratory Conducting Analysis | Total Iron (mg/L) | Ammonia as N (mg/L) | BOD <sub>5</sub> (mg/L) | TSS (mg/L) | Field pH (s.u.) | Total Phenolics (mg/L) |
|---------|-----------------|----------|-----------------------|-----------------|--------------------------------------|--------------------------------|-------------------|---------------------|-------------------------|------------|-----------------|------------------------|
|         |                 |          |                       |                 |                                      | D.L.                           | 0.020             | 0.10                | 2.0                     | 1          | 0.10            | 0.005                  |
|         |                 |          |                       |                 |                                      | Test Method                    | E200.7            | SM4500              | M5210 B                 | SM2540D    | SM4500          | E420.1                 |
| DP #3   | DP #3           | 9/23/19  | 7:20 AM               | C. Publow       | 10/3/19                              | Pace                           | 2.6               | 0.15                | 7.6                     | 76         | 8.3             | ND                     |
| DP #3   | DP #3           | 12/29/19 | 8:15 AM               | C. Publow       | 1/13/20                              | Pace                           | 1                 | 12.5                | 19.9                    | 46         | 8.17            | ND                     |
| DP #3   | DP #3           | 7/7/20   | 2:50 PM               | C. Publow       | 7/21/20                              | Pace                           | 4                 | 0.31                | 5.7                     | 90         | 8.1             | ND                     |
| DP #3   | DP #3           | 11/30/20 | 8:25 AM               | C. Publow       | 12/11/20                             | Pace                           | 0.18              | 17.7                | 7.8                     | 3          | 8.1             | ND                     |
| DP #3   | DP #3           | 4/29/21  | 7:41 AM               | C. Publow       | 5/12/21                              | Pace                           | 1.4               | 0.18                | 9.1                     | 67         | 8.24            | 0.041                  |
| DP #3   | DP #3           | 11/11/21 | 2:25 PM               | C. Publow       | 11/29/21                             | Pace                           | 4.1               | 4.8                 | 66.2                    | 168        | 8               | 0.0466                 |
| DP #3   | DP #3           | 7/8/22   | 10:20 AM              | C. Publow       | 7/22/22                              | Pace                           | 1.5               | 0.33                | 6.4                     | 83.3       | 7.8             | ND                     |
| DP #3   | DP #3           | 12/14/22 | 9:33 AM               | C. Publow       | 12/28/22                             | Pace                           | 0.52              | 25.4                | 10.4                    | 14.1       | 8.25            | ND                     |
| DP #3   | DP #3           |          |                       |                 | No discharge during 1st half of 2023 |                                |                   |                     |                         |            |                 |                        |
| DP #3   | DP #3           | 1/12/24  | 1:10 PM               | C. Publow       | 1/26/24                              | Pace                           | 3.7               | ND                  | ND                      | 65.2       | 7.9             | ND                     |
| DP #3   | DP #3           |          |                       |                 | No discharge during 1st half of 2024 |                                |                   |                     |                         |            |                 |                        |
| DP #3   | DP #3           |          |                       |                 |                                      |                                |                   |                     |                         |            |                 |                        |
| DP #3   | DP #3           |          |                       |                 |                                      |                                |                   |                     |                         |            |                 |                        |

## CERTIFICATION

I, Curt Publow (responsible corporate official or designee), certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluate the information submitted. Based on my inquiry of the persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further certify that I am authorized to submit this information (329 IAC 10-11-3(d)).

|  |   |
|--|---|
| <b>A. Name:</b> Curt Publow  | <b>C. Title:</b> Environmental Compliance Manager |
| <b>B. Signature:</b>  | <b>D. Date Signed:</b> 7/1/24                     |

- Note:
- One report sheet per basin sampled
  - A complete copy of the laboratory report, including chain of custody, is attached for each sample
  - D.L. = Detection Limit
  - ND = Not Detected at the reporting limit

# Storm Water Basin Sampling Results Report

South Side Landfill  
IDEM Permit No. 49-01

Marion County

| Outfall | Sample Location | Date     | Time Sample Collected | Name of Sampler | Date Analysis Reported               | Laboratory Conducting Analysis | Total Iron (mg/L) | Ammonia as N (mg/L) | BOD <sub>5</sub> (mg/L) | TSS (mg/L) | Field pH (s.u.) | Total Phenolics (mg/L) |
|---------|-----------------|----------|-----------------------|-----------------|--------------------------------------|--------------------------------|-------------------|---------------------|-------------------------|------------|-----------------|------------------------|
|         |                 |          |                       |                 |                                      | D.L.                           | 0.020             | 0.10                | 2                       | 1          | 0.10            | 0.005                  |
|         |                 |          |                       |                 |                                      | Test Method                    | E200.7            | SM4500              | M5210 B                 | SM2540D    | SM4500          | E420.1                 |
| DP #4   | DP #4           |          |                       |                 | No discharge during 1st half of 2019 |                                |                   |                     |                         |            |                 |                        |
| DP #4   | DP #4           | 12/29/19 | 8:25 AM               | C. Publow       | 1/13/20                              | Pace                           | 0.41              | 8.4                 | 8                       | 15         | 8.3             | ND                     |
| DP #4   | DP #4           |          |                       |                 | No discharge during 1st half of 2020 |                                |                   |                     |                         |            |                 |                        |
| DP #4   | DP #4           |          |                       |                 | No discharge during 2nd half of 2020 |                                |                   |                     |                         |            |                 |                        |
| DP #4   | DP #4           |          |                       |                 | No discharge during 1st half of 2021 |                                |                   |                     |                         |            |                 |                        |
| DP #4   | DP #4           | 11/11/21 | 2:35 PM               | C. Publow       | 11/29/21                             | Pace                           | 0.55              | 4.6                 | 6.6                     | 20.6       | 8.2             | ND                     |
| DP #4   | DP #4           |          |                       |                 | No discharge during 1st half of 2022 |                                |                   |                     |                         |            |                 |                        |
| DP #4   | DP #4           |          |                       |                 | No discharge during 2nd half of 2022 |                                |                   |                     |                         |            |                 |                        |
| DP #4   | DP #4           |          |                       |                 | No discharge during 1st half of 2023 |                                |                   |                     |                         |            |                 |                        |
| DP #4   | DP #4           | 1/12/24  | 1:20 PM               | C. Publow       | 1/26/24                              | Pace                           | 6.7               | ND                  | 6.5                     | 184        | 8.2             | ND                     |
| DP #4   | DP #4           |          |                       |                 | No discharge during 1st half of 2024 |                                |                   |                     |                         |            |                 |                        |
| DP #4   | DP #4           |          |                       |                 |                                      |                                |                   |                     |                         |            |                 |                        |
| DP #4   | DP #4           |          |                       |                 |                                      |                                |                   |                     |                         |            |                 |                        |

## CERTIFICATION

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**A. Name: Curt Publow**

**C. Title: Environmental Compliance Manager**

**B. Signature:** 

**D. Date Signed:** 7/1/24

- Note:
1. One report sheet per basin sampled
  2. A complete copy of the laboratory report, including chain of custody, is attached for each sample
  3. D.L. = Detection Limit
  4. ND = Not Detected at the reporting limit

# Storm Water Basin Sampling Results Report

South Side Landfill  
IDEM Permit No. 49-01

Marion County

| Outfall | Sample Location | Date     | Time Sample Collected | Name of Sampler | Date Analysis Reported | Laboratory Conducting Analysis | Total Iron (mg/L) | Ammonia as N (mg/L) | BOD <sub>5</sub> (mg/L) | TSS (mg/L) | Field pH (s.u.) | Total Phenolics (mg/L) |
|---------|-----------------|----------|-----------------------|-----------------|------------------------|--------------------------------|-------------------|---------------------|-------------------------|------------|-----------------|------------------------|
|         |                 |          |                       |                 |                        | D.L.                           | 0.020             | 0.10                | 2.0                     | 1          | 0.10            | 0.005                  |
|         |                 |          |                       |                 |                        | Test Method                    | E200.7            | SM4500              | M5210 B                 | SM2540D    | SM4500          | E420.1                 |
| DP #5   | DP #5           | 9/23/19  | 7:32 AM               | C. Publow       | 10/3/19                | Pace                           | 0.24              | ND                  | ND                      | 16         | 7.8             | ND                     |
| DP #5   | DP #5           | 12/29/19 | 8:35 AM               | C. Publow       | 1/13/20                | Pace                           | 0.27              | 0.18                | 2.6                     | 14         | 7.87            | ND                     |
| DP #5   | DP #5           | 7/7/20   | 3:00 PM               | C. Publow       | 7/21/20                | Pace                           | 1.6               | ND                  | ND                      | 87         | 7.9             | ND                     |
| DP #5   | DP #5           | 11/30/20 | 8:38 AM               | C. Publow       | 12/11/20               | Pace                           | 0.21              | 0.44                | ND                      | 6          | 8.3             | ND                     |
| DP #5   | DP #5           | 4/29/21  | 8:10 AM               | C. Publow       | 5/12/21                | Pace                           | 7.4               | 0.18                | 5.1                     | 325        | 8.1             | ND                     |
| DP #5   | DP #5           | 5/26/21  | 8:15 AM               | C. Publow       | 6/10/21                | Pace                           | 0.62              | 0.13                | 3.7                     | 26         | 7.75            | ND                     |
| DP #5   | DP #5           | 11/11/21 | 2:45 PM               | C. Publow       | 11/29/21               | Pace                           | 0.99              | 0.52                | 3.8                     | 31.2       | 8               | ND                     |
| DP #5   | DP #5           | 7/8/22   | 10:35 AM              | C. Publow       | 7/22/22                | Pace                           | 0.28              | ND                  | ND                      | 9          | 7.8             | ND                     |
| DP #5   | DP #5           | 12/14/22 | 10:30 AM              | C. Publow       | 12/28/22               | Pace                           | 0.27              | 0.17                | ND                      | 7.1        | 8.27            | ND                     |
| DP #5   | DP #5           | 9/12/23  | 8:17 AM               | C. Publow       | 9/26/23                | Pace                           | 0.27              | 0.12                | 4.1                     | 7.9        | 8.1             | ND                     |
| DP #5   | DP #5           | 12/29/23 | 11:08 AM              | C. Publow       | 1/11/24                | Pace                           | 0.16              | 0.12                | ND                      | ND         | 7.9             | ND                     |
| DP #5   | DP #5           | 5/14/24  | 1:30 PM               | C. Publow       | 5/31/24                | Pace                           | 3.1               | ND                  | 8.5                     | 128        | 7.8             | ND                     |
| DP #5   | DP #5           |          |                       |                 |                        |                                |                   |                     |                         |            |                 |                        |

## CERTIFICATION

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A. Name: Curt Publow

C. Title: Environmental Compliance Manager

B. Signature: 

D. Date Signed: 7/1/24

- Note:
1. One report sheet per basin sampled
  2. A complete copy of the laboratory report, including chain of custody, is attached for each sample
  3. D.L. = Detection Limit
  4. ND = Not Detected at the reporting limit



## Storm Water Investigation - Sampling Field Sheet

|   |                       |
|---|-----------------------|
| Site Name: <u>South Side Landfill, Inc.</u> | County: <u>Marion</u> |
| Sample Location: <u>DP#5</u>                |                       |
| Collection Date: <u>5/14/24</u>             | Time: <u>13:30</u>    |

Sample pH (std.units): 7.8 Instrument Used: Oakton

Instrument Calibration Notes: 4.1, 10.2, 4.0, 10.0

Other Field Measurements: NA

| Volume | Material      | Quantity | Preservative                   | Analysis           |
|--------|---------------|----------|--------------------------------|--------------------|
| 1,000  | Plastic       | 2        | None                           | BOD, TSS           |
| 250 ml | Plastic       | 1        | H <sub>2</sub> SO <sub>4</sub> | NH <sub>3</sub> -N |
| 250 ml | Plastic       | 1        | HNO <sub>3</sub>               | Total Iron         |
| 250 ml | Glass / Amber | 1        | H <sub>2</sub> SO <sub>4</sub> | Total Phenolics    |
|        |               |          |                                |                    |

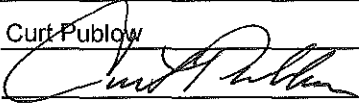
Samples Iced?  Yes  NO      Container Source Pace      Preservative Source Pace

Sample Appearance: (color, odor, clarity, suspended solids, reaction to preservative, etc.)  
No color, odor, or suspended solids. No reactions.

Sampling Equipment Used: Only Pace Analytical bottles were used during collection of samples.

Other Notes: Samples were collected and immediately placed in a cooler with ice.

Samples were hand delivered to Pace Analytical.

Sampler Name (print) Curt Publow  
 Sampler Signature:  Date 5/14/24



May 31, 2024

Curt Publow  
South Side Landfill, Inc  
2561 Kentucky Avenue  
Indianapolis, IN 46221

RE: Project: SSLF Storm Water  
Pace Project No.: 50373139

Dear Curt Publow:

Enclosed are the analytical results for sample(s) received by the laboratory on May 15, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Indianapolis

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Olivia Deck".

Olivia Deck  
olivia.deck@pacelabs.com  
(317)228-3102  
Project Manager

Enclosures

cc: JIM FLETCHER, DECATUR HILLS INC.



## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.



## CERTIFICATIONS

Project: SSLF Storm Water

Pace Project No.: 50373139

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### **Pace Analytical Services Indianapolis**

7726 Moller Road, Indianapolis, IN 46268

Illinois Accreditation #: 200074

Indiana Drinking Water Laboratory #: C-49-06

Kansas/TNI Certification #: E-10177

Kentucky UST Agency Interest #: 80226

Kentucky WW Laboratory ID #: 98019

Michigan Drinking Water Laboratory #9050

Ohio VAP Certified Laboratory #: CL0065

Oklahoma Laboratory #: 9204

Texas Certification #: T104704355

Washington Dept of Ecology #: C1081

Wisconsin Laboratory #: 999788130

USDA Foreign Soil Permit #: 525-23-13-23119

USDA Compliance Agreement #: IN-SL-22-001

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## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
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### SAMPLE SUMMARY

Project: SSLF Storm Water  
Pace Project No.: 50373139

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| Lab ID      | Sample ID | Matrix | Date Collected | Date Received  |
|-------------|-----------|--------|----------------|----------------|
| 50373139001 | DP#5      | Water  | 05/14/24 13:30 | 05/15/24 10:40 |

### REPORT OF LABORATORY ANALYSIS

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without the written consent of Pace Analytical Services, LLC.



### SAMPLE ANALYTE COUNT

Project: SSLF Storm Water

Pace Project No.: 50373139

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| Lab ID      | Sample ID | Method        | Analysts | Analytes Reported | Laboratory |
|-------------|-----------|---------------|----------|-------------------|------------|
| 50373139001 | DP#5      | EPA 200.7     | ELK      | 1                 | PASI-I     |
|             |           | SM 2540D      | IRH      | 1                 | PASI-I     |
|             |           | SM 5210B      | LHZ      | 1                 | PASI-I     |
|             |           | EPA 420.4     | ZM       | 1                 | PASI-I     |
|             |           | SM 4500-NH3 G | OAS      | 1                 | PASI-I     |

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PASI-I = Pace Analytical Services - Indianapolis

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### ANALYTICAL RESULTS

Project: SSLF Storm Water

Pace Project No.: 50373139

| Sample: DP#5                        |   | Lab ID: 50373139001 |              | Collected: 05/14/24 13:30 | Received: 05/15/24 10:40 | Matrix: Water  |            |      |
|-------------------------------------|---|---------------------|--------------|---------------------------|--------------------------|----------------|------------|------|
| Parameters                          | Results   | Units               | Report Limit | DF                        | Prepared                 | Analyzed       | CAS No.    | Qual |
| <b>Field Data</b>                   | Analytical Method:<br>Pace Analytical Services - Indianapolis   |                     |              |                           |                          |                |            |      |
| Field pH                            | 7.8   | Std. Units          |              | 1                         |                          | 05/14/24 13:30 |            |      |
| <b>200.7 Metals, Total</b>          | Analytical Method: EPA 200.7 Preparation Method: EPA 200.7<br>Pace Analytical Services - Indianapolis |                     |              |                           |                          |                |            |      |
| Iron                                | 3.1   | mg/L                | 0.10         | 1                         | 05/21/24 20:38           | 05/23/24 12:23 | 7439-89-6  |      |
| <b>2540D Total Suspended Solids</b> | Analytical Method: SM 2540D<br>Pace Analytical Services - Indianapolis                                |                     |              |                           |                          |                |            |      |
| Total Suspended Solids              | 128   | mg/L                | 8.1          | 1                         |                          | 05/20/24 20:04 |            |      |
| <b>5210B BOD, 5 day</b>             | Analytical Method: SM 5210B Preparation Method: SM 5210B<br>Pace Analytical Services - Indianapolis   |                     |              |                           |                          |                |            |      |
| BOD, 5 day                          | 8.5   | mg/L                | 2.0          | 1                         | 05/15/24 17:18           | 05/20/24 13:38 |            |      |
| <b>420.4 Phenolics, Total</b>       | Analytical Method: EPA 420.4 Preparation Method: EPA 420.4<br>Pace Analytical Services - Indianapolis |                     |              |                           |                          |                |            |      |
| Phenolics, Total Recoverable        | ND  | ug/L                | 10.0         | 1                         | 05/23/24 10:00           | 05/23/24 14:29 | 64743-03-9 |      |
| <b>4500 Ammonia Water</b>           | Analytical Method: SM 4500-NH3 G<br>Pace Analytical Services - Indianapolis                           |                     |              |                           |                          |                |            |      |
| Nitrogen, Ammonia                   | ND  | mg/L                | 0.10         | 1                         |                          | 05/22/24 13:28 | 7664-41-7  |      |

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**QUALITY CONTROL DATA**

Project: SSLF Storm Water

Pace Project No.: 50373139

QC Batch: 790983

Analysis Method: EPA 200.7

QC Batch Method: EPA 200.7

Analysis Description: 200.7 Metals, Total

Laboratory: Pace Analytical Services - Indianapolis

Associated Lab Samples: 50373139001

METHOD BLANK: 3619445

Matrix: Water

Associated Lab Samples: 50373139001

| Parameter | Units | Blank Result | Reporting Limit | Analyzed       | Qualifiers |
|-----------|-------|--------------|-----------------|----------------|------------|
| Iron      | mg/L  | ND           | 0.10            | 05/23/24 11:37 |            |

LABORATORY CONTROL SAMPLE: 3619446

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Iron      | mg/L  | 10          | 9.0        | 90        | 85-115       |            |

MATRIX SPIKE SAMPLE: 3619447

| Parameter | Units | 50373089001 Result | Spike Conc. | MS Result | MS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|--------------------|-------------|-----------|----------|--------------|------------|
| Iron      | mg/L  | 250 ug/L           | 10          | 9.3       | 90       | 70-130       |            |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3619448 3619449

| Parameter | Units | 50373089005 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|--------------------|----------------|-----------------|-----------|------------|----------|-----------|--------------|-----|---------|------|
| Iron      | mg/L  | 363 ug/L           | 10             | 10              | 9.1       | 9.3        | 87       | 89        | 70-130       | 2   | 20      |      |

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**QUALITY CONTROL DATA**

Project: SSLF Storm Water

Pace Project No.: 50373139

QC Batch: 790908

Analysis Method: SM 2540D

QC Batch Method: SM 2540D

Analysis Description: 2540D Total Suspended Solids

Laboratory: Pace Analytical Services - Indianapolis

Associated Lab Samples: 50373139001

METHOD BLANK: 3619212

Matrix: Water

Associated Lab Samples: 50373139001

| Parameter              | Units | Blank Result | Reporting Limit | Analyzed       | Qualifiers |
|------------------------|-------|--------------|-----------------|----------------|------------|
| Total Suspended Solids | mg/L  | ND           | 2.5             | 05/20/24 20:04 |            |

LABORATORY CONTROL SAMPLE: 3619213

| Parameter              | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|------------------------|-------|-------------|------------|-----------|--------------|------------|
| Total Suspended Solids | mg/L  | 100         | 95.0       | 95        | 80-120       |            |

SAMPLE DUPLICATE: 3619214

| Parameter              | Units | 50373131001 Result | Dup Result | RPD | Max RPD | Qualifiers |
|------------------------|-------|--------------------|------------|-----|---------|------------|
| Total Suspended Solids | mg/L  | 108                | 282        | 89  | 10      | R1         |

SAMPLE DUPLICATE: 3619215

| Parameter              | Units | 50373159001 Result | Dup Result | RPD | Max RPD | Qualifiers |
|------------------------|-------|--------------------|------------|-----|---------|------------|
| Total Suspended Solids | mg/L  | 138                | 156        | 12  | 10      | R1         |

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### QUALITY CONTROL DATA

Project: SSLF Storm Water

Pace Project No.: 50373139

QC Batch: 790158

Analysis Method: SM 5210B

QC Batch Method: SM 5210B

Analysis Description: 5210B BOD, 5 day

Laboratory: Pace Analytical Services - Indianapolis

Associated Lab Samples: 50373139001

METHOD BLANK: 3615232

Matrix: Water

Associated Lab Samples: 50373139001

| Parameter  | Units | Blank Result | Reporting Limit | Analyzed       | Qualifiers |
|------------|-------|--------------|-----------------|----------------|------------|
| BOD, 5 day | mg/L  | ND           | 2.0             | 05/20/24 13:31 |            |

LABORATORY CONTROL SAMPLE: 3615234

| Parameter  | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|------------|-------|-------------|------------|-----------|--------------|------------|
| BOD, 5 day | mg/L  | 198         | 201        | 102       | 85-115       |            |

SAMPLE DUPLICATE: 3615235

| Parameter  | Units | 50373160001 Result | Dup Result | RPD | Max RPD | Qualifiers |
|------------|-------|--------------------|------------|-----|---------|------------|
| BOD, 5 day | mg/L  | 440                | 390        | 12  | 20      |            |

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**QUALITY CONTROL DATA**

Project: SSLF Storm Water

Pace Project No.: 50373139

QC Batch: 791585

Analysis Method: EPA 420.4

QC Batch Method: EPA 420.4

Analysis Description: 420.4 Phenolics

Laboratory: Pace Analytical Services - Indianapolis

Associated Lab Samples: 50373139001

METHOD BLANK: 3622188

Matrix: Water

Associated Lab Samples: 50373139001

| Parameter                    | Units | Blank Result | Reporting Limit | Analyzed       | Qualifiers |
|------------------------------|-------|--------------|-----------------|----------------|------------|
| Phenolics, Total Recoverable | ug/L  | ND           | 10.0            | 05/23/24 14:27 |            |

LABORATORY CONTROL SAMPLE: 3622189

| Parameter                    | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|------------------------------|-------|-------------|------------|-----------|--------------|------------|
| Phenolics, Total Recoverable | ug/L  | 50          | 51.2       | 102       | 90-110       |            |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3622190 3622191

| Parameter                    | Units | 50373243001    |                 | 3622190   |            | 3622191  |           | % Rec Limits | RPD | Max RPD | Qual |
|------------------------------|-------|----------------|-----------------|-----------|------------|----------|-----------|--------------|-----|---------|------|
|                              |       | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec |              |     |         |      |
| Phenolics, Total Recoverable | ug/L  | 79.0           | 167             | 167       | 229        | 196      | 90        | 70           | 16  | 20      | M0   |

MATRIX SPIKE SAMPLE: 3622192

| Parameter                    | Units | 50373409001 Result | Spike Conc. | MS Result | MS % Rec | % Rec Limits | Qualifiers |
|------------------------------|-------|--------------------|-------------|-----------|----------|--------------|------------|
| Phenolics, Total Recoverable | ug/L  | <0.010 mg/L        | 50          | 53.0      | 100      | 90-110       |            |

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**QUALITY CONTROL DATA**

Project: SSLF Storm Water

Pace Project No.: 50373139

|                  |               |                       |   |
|------------------|---------------|-----------------------|---|
| QC Batch:        | 791376        | Analysis Method:      | SM 4500-NH3 G                           |
| QC Batch Method: | SM 4500-NH3 G | Analysis Description: | 4500 Ammonia                            |
|                  |               | Laboratory:           | Pace Analytical Services - Indianapolis |

Associated Lab Samples: 50373139001

METHOD BLANK: 3621146 Matrix: Water

Associated Lab Samples: 50373139001

| Parameter         | Units | Blank Result | Reporting Limit | Analyzed       | Qualifiers |
|-------------------|-------|--------------|-----------------|----------------|------------|
| Nitrogen, Ammonia | mg/L  | ND           | 0.10            | 05/22/24 12:45 |            |

LABORATORY CONTROL SAMPLE: 3621147

| Parameter         | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-------------------|-------|-------------|------------|-----------|--------------|------------|
| Nitrogen, Ammonia | mg/L  | 5           | 5.1        | 102       | 90-110       |            |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3621148 3621149

| Parameter         | Units | 50373114002 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-------------------|-------|--------------------|----------------|-----------------|-----------|------------|----------|-----------|--------------|-----|---------|------|
| Nitrogen, Ammonia | mg/L  | 2.0                | 5              | 5               | 7.0       | 6.9        | 99       | 98        | 90-110       | 1   | 20      |      |

MATRIX SPIKE SAMPLE: 3621153

| Parameter         | Units | 50373114003 Result | Spike Conc. | MS Result | MS % Rec | % Rec Limits | Qualifiers |
|-------------------|-------|--------------------|-------------|-----------|----------|--------------|------------|
| Nitrogen, Ammonia | mg/L  | 133                | 100         | 226       | 92       | 90-110       |            |

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## QUALIFIERS

Project: SSLF Storm Water

Pace Project No.: 50373139

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### ANALYTE QUALIFIERS

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

R1 RPD value was outside control limits.

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: SSLF Storm Water

Pace Project No.: 50373139

| Lab ID      | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|-----------|-----------------|----------|-------------------|------------------|
| 50373139001 | DP#5      |                 |          |                   |                  |
| 50373139001 | DP#5      | EPA 200.7       | 790983   | EPA 200.7         | 791650           |
| 50373139001 | DP#5      | SM 2540D        | 790908   |                   |                  |
| 50373139001 | DP#5      | SM 5210B        | 790158   | SM 5210B          | 790222           |
| 50373139001 | DP#5      | EPA 420.4       | 791585   | EPA 420.4         | 791682           |
| 50373139001 | DP#5      | SM 4500-NH3 G   | 791376   |                   |                  |

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**SAMPLE CONDITION UPON RECEIPT FORM**

Date/Time and Initials of person examining contents: DMP 05/15/24 11:40

1. Courier:  FED EX |  UPS |  CLIENT |  PACE |  NOW/JETT |  OTHER \_\_\_\_\_

2. Custody Seal on Cooler/Box Present:  Yes |  No  
 (If yes) Seals Intact:  Yes |  No (leave blank if no seals were present)

3. Thermometer: 1 2 3 4 5 6 7 8 A B C D E F G H (H)

4. Cooler Temperature(s): 1.8/1.6      
 (Initial/Corrected) RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)

5. Packing Material:  Bubble Wrap |  Bubble Bags  
 None |  Other \_\_\_\_\_

6. Ice Type:  Wet |  Blue |  None

7. Was the PM notified of out of temp cooler?:  Yes |  No NCA  
 Cooler temp should be above freezing to 6°C

8. EZ Bottle Order?  Yes |  No

If yes but not on COC what is the EZ Bottle Order Number?: 3073576

All discrepancies will be written out in the comments section below.

|  | Yes                                 | No                                  |   | Yes                                 | No                                  | N/A                                 |
|--|-------------------------------------|-------------------------------------|---|-------------------------------------|-------------------------------------|-------------------------------------|
| USDA Regulated Soils? (HI, ID, NY, WA, OR, CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico) |                                     | <input checked="" type="checkbox"/> | All containers needing acid/base preservation have been pH CHECKED?: Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl. | <input checked="" type="checkbox"/> |                                     |                                     |
| Short Hold Time Analysis (48 hours or less)?<br>Analysis: <u>BOD</u>   | <input checked="" type="checkbox"/> |                                     | Circle: <u>HNO3 (&lt;2)</u> <u>H2SO4 (&lt;2)</u> NaOH (>10) NaOH/ZnAc (>9)<br>Any non-conformance to pH recommendations will be noted on the container count form               |                                     |                                     |                                     |
| Time 5035A TC placed in Freezer or Short Holds To Lab<br>Time: <u>11:52</u>                                    |                                     |                                     | Residual Chlorine Check (SVOC 625 Pest/PCB 608)   | <u>Present</u>                      | <u>Absent</u>                       | <u>N/A</u>                          |
| Rush TAT Requested (4 days or less):   |                                     | <input checked="" type="checkbox"/> | Residual Chlorine Check (Total/Amenable/Free Cyanide)   |                                     |                                     | <input checked="" type="checkbox"/> |
| Custody Signatures Present?  | <input checked="" type="checkbox"/> |                                     | Headspace Wisconsin Sulfide?  |                                     |                                     | <input checked="" type="checkbox"/> |
| Containers Intact?:  | <input checked="" type="checkbox"/> |                                     | Headspace in VOA Vials (>6mm):<br>See Container Count form for details  | <u>Present</u>                      | <u>Absent</u>                       | <u>No VOA Vials Sent</u>            |
| Sample Label (IDs/Dates/Times) Match COC?:<br>Except TCs, which only require sample ID                         | <input checked="" type="checkbox"/> |                                     | Trip Blank Present?   |                                     | <input checked="" type="checkbox"/> |                                     |
| Extra labels on Terracore Vials? (soils only)  |                                     | <u>N/A</u>                          | Trip Blank Custody Seals?:  |                                     |                                     | <input checked="" type="checkbox"/> |

COMMENTS:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

