



## Laboratory Report

Plattsburgh, City WPCP 201111  
53 Green Street  
Plattsburgh, NY 12901  
Atten: William Ellsworth

PROJECT: CPlatt WPCP-TMPN,FMPN,ENT,DNA  
WORK ORDER: 1707-16953  
DATE RECEIVED: July 27, 2017  
DATE REPORTED: July 28, 2017  
SAMPLER: Eric Rock/Ryan Rice

Enclosed please find the results of the analyses performed for the samples referenced on the attached chain of custody located at the end of this report.

The column labeled Lab/Tech in the accompanying report denotes the laboratory facility where the testing was performed and the technician who conducted the assay. A "W" designates the Williston, VT lab under NELAC certification ELAP 11263; "R" designates the Lebanon, NH facility under certification NH 2037 and "N" the Plattsburgh, NY lab under certification ELAP 11892. "Sub" indicates the testing was performed by a subcontracted laboratory. The accreditation status of the subcontracted lab is referenced in the corresponding NELAC and Qual fields.

This NELAC column also denotes the accreditation status of each laboratory for each reported parameter. "A" indicates the referenced laboratory is NELAC accredited for the parameter reported. "N" indicates the laboratory is not accredited. "U" indicates that NELAC does not offer accreditation for that parameter in that specific matrix. Test results denoted with an "A" meet all National Environmental Laboratory Accreditation Program requirements except where denoted by pertinent data qualifiers. Test results are representative of the samples as they were received at the laboratory.

Endyne, Inc. warrants, to the best of its knowledge and belief, the accuracy of the analytical test results contained in this report, but makes no other warranty, expressed or implied, especially no warranties of merchantability or fitness for a particular purpose.

Reviewed by:

Christina A Lafountain  
Laboratory Director Plattsburgh, NY

## Laboratory Report

CLIENT: Plattsburgh, City WPCP  
 PROJECT: CPlatt WPCP-TMPN,FMPN,ENT,DNA

WORK ORDER: 1707-16953  
 DATE RECEIVED: 7/27/17

001 Site: RW0 Date Sampled: 7/27/17 Time: 8:39

| Parameter                  | Result   | Units     | RL | PQL | Method             | Analysis Date/Time | Lab/Tech | NELAC | Qual. |
|----------------------------|----------|-----------|----|-----|--------------------|--------------------|----------|-------|-------|
| Total Coliform             | 2755     | MPN/100mL | 1  | 10  | SM 9223 Quantitray | 7/27/17 12:11      | N MD     | A     |       |
| Filtration for DNA Testing | COMPLETE |           |    |     | Helix Biolab       | 7/27/17 12:00      | N MD     | U     |       |
| Fecal Coliform             | 51.2     | MPN/100mL | 1  | 1   | SM 9223 Quantitray | 7/27/17 14:27      | N MD     | A     |       |
| E. coli                    | 52       | MPN/100mL | 1  | 10  | SM 9223B Colilert  | 7/27/17 12:11      | N MD     | A     |       |
| Enterococcus               | 32.5     | MPN/100mL | 1  | 1   | Enterolert         | 7/27/17 12:31      | N MD     | A     |       |

002 Site: RW1 Date Sampled: 7/27/17 Time: 8:51

| Parameter                  | Result   | Units     | RL | PQL | Method             | Analysis Date/Time | Lab/Tech | NELAC | Qual. |
|----------------------------|----------|-----------|----|-----|--------------------|--------------------|----------|-------|-------|
| Total Coliform             | 6131     | MPN/100mL | 1  | 10  | SM 9223 Quantitray | 7/27/17 12:11      | N MD     | A     |       |
| Filtration for DNA Testing | COMPLETE |           |    |     | Helix Biolab       | 7/27/17 12:00      | N MD     | U     |       |
| Fecal Coliform             | 67.7     | MPN/100mL | 1  | 1   | SM 9223 Quantitray | 7/27/17 14:27      | N MD     | A     |       |
| E. coli                    | 52       | MPN/100mL | 1  | 10  | SM 9223B Colilert  | 7/27/17 12:11      | N MD     | A     |       |
| Enterococcus               | 39.8     | MPN/100mL | 1  | 1   | Enterolert         | 7/27/17 12:31      | N MD     | A     |       |

003 Site: RW2 Date Sampled: 7/27/17 Time: 9:00

| Parameter                  | Result   | Units     | RL | PQL | Method             | Analysis Date/Time | Lab/Tech | NELAC | Qual. |
|----------------------------|----------|-----------|----|-----|--------------------|--------------------|----------|-------|-------|
| Total Coliform             | 2098     | MPN/100mL | 1  | 10  | SM 9223 Quantitray | 7/27/17 12:11      | N MD     | A     |       |
| Filtration for DNA Testing | COMPLETE |           |    |     | Helix Biolab       | 7/27/17 12:00      | N MD     | U     |       |
| Fecal Coliform             | 56.5     | MPN/100mL | 1  | 1   | SM 9223 Quantitray | 7/27/17 14:27      | N MD     | A     |       |
| E. coli                    | 10       | MPN/100mL | 1  | 10  | SM 9223B Colilert  | 7/27/17 12:11      | N MD     | A     |       |
| Enterococcus               | 40.0     | MPN/100mL | 1  | 1   | Enterolert         | 7/27/17 12:31      | N MD     | A     |       |

004 Site: RW3 Date Sampled: 7/27/17 Time: 9:10

| Parameter                  | Result   | Units     | RL | PQL | Method             | Analysis Date/Time | Lab/Tech | NELAC | Qual. |
|----------------------------|----------|-----------|----|-----|--------------------|--------------------|----------|-------|-------|
| Total Coliform             | 1354     | MPN/100mL | 1  | 10  | SM 9223 Quantitray | 7/27/17 12:11      | N MD     | A     |       |
| Filtration for DNA Testing | COMPLETE |           |    |     | Helix Biolab       | 7/27/17 12:00      | N MD     | U     |       |
| Fecal Coliform             | 50.4     | MPN/100mL | 1  | 1   | SM 9223 Quantitray | 7/27/17 14:27      | N MD     | A     |       |
| E. coli                    | 41       | MPN/100mL | 1  | 10  | SM 9223B Colilert  | 7/27/17 12:11      | N MD     | A     |       |
| Enterococcus               | 27.5     | MPN/100mL | 1  | 1   | Enterolert         | 7/27/17 12:31      | N MD     | A     |       |

005 Site: RW4 Date Sampled: 7/27/17 Time: 9:33

| Parameter                  | Result   | Units     | RL | PQL | Method             | Analysis Date/Time | Lab/Tech | NELAC | Qual. |
|----------------------------|----------|-----------|----|-----|--------------------|--------------------|----------|-------|-------|
| Total Coliform             | 3300     | MPN/100mL | 1  | 10  | SM 9223 Quantitray | 7/27/17 12:11      | N MD     | A     |       |
| Filtration for DNA Testing | COMPLETE |           |    |     | Helix Biolab       | 7/27/17 12:00      | N MD     | U     |       |
| Fecal Coliform             | 231      | MPN/100mL | 1  | 10  | SM 9223 Quantitray | 7/27/17 14:27      | N MD     | A     |       |
| E. coli                    | 120      | MPN/100mL | 1  | 10  | SM 9223B Colilert  | 7/27/17 12:11      | N MD     | A     |       |
| Enterococcus               | 73       | MPN/100mL | 1  | 10  | Enterolert         | 7/27/17 12:31      | N MD     | A     |       |

006 Site: RW5 Date Sampled: 7/27/17 Time: 9:41

**Laboratory Report**

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WORK ORDER: **1707-16953**  
 DATE RECEIVED: 7/27/17

| <u>Parameter</u>           | <u>Result</u> | <u>Units</u> | <u>RL</u> | <u>PQL</u> | <u>Method</u>      | <u>Analysis Date/Time</u> | <u>Lab/Tech</u> | <u>NELAC</u> | <u>Qual</u> |
|----------------------------|---------------|--------------|-----------|------------|--------------------|---------------------------|-----------------|--------------|-------------|
| Total Coliform             | 2310          | MPN/100mL    | 1         | 10         | SM 9223 Quantitray | 7/27/17 12:11             | N MD            | A            |             |
| Filtration for DNA Testing | COMPLETE      |              |           |            | Helix Biolab       | 7/27/17 12:00             | N MD            | U            |             |
| Fecal Coliform             | 98            | MPN/100mL    | 1         | 10         | SM 9223 Quantitray | 7/27/17 14:27             | N MD            | A            |             |
| E. coli                    | 30            | MPN/100mL    | 1         | 10         | SM 9223B Colilert  | 7/27/17 12:11             | N MD            | A            |             |
| Enterococcus               | 10            | MPN/100mL    | 1         | 10         | Enterolert         | 7/27/17 12:31             | N MD            | A            |             |

007

Site: RW17

Date Sampled: 7/27/17 Time: 9:22

| <u>Parameter</u>           | <u>Result</u> | <u>Units</u> | <u>RL</u> | <u>PQL</u> | <u>Method</u>      | <u>Analysis Date/Time</u> | <u>Lab/Tech</u> | <u>NELAC</u> | <u>Qual</u> |
|----------------------------|---------------|--------------|-----------|------------|--------------------|---------------------------|-----------------|--------------|-------------|
| Total Coliform             | 3654          | MPN/100mL    | 1         | 10         | SM 9223 Quantitray | 7/27/17 12:11             | N MD            | A            |             |
| Filtration for DNA Testing | COMPLETE      |              |           |            | Helix Biolab       | 7/27/17 12:00             | N MD            | U            |             |
| Fecal Coliform             | 327           | MPN/100mL    | 1         | 10         | SM 9223 Quantitray | 7/27/17 14:27             | N MD            | A            |             |
| E. coli                    | 259           | MPN/100mL    | 1         | 10         | SM 9223B Colilert  | 7/27/17 12:11             | N MD            | A            |             |
| Enterococcus               | 41            | MPN/100mL    | 1         | 10         | Enterolert         | 7/27/17 12:31             | N MD            | A            |             |

008

Site: WPCP Effluent

Date Sampled: 7/27/17 Time: 10:35

| <u>Parameter</u>           | <u>Result</u> | <u>Units</u> | <u>RL</u> | <u>PQL</u> | <u>Method</u> | <u>Analysis Date/Time</u> | <u>Lab/Tech</u> | <u>NELAC</u> | <u>Qual</u> |
|----------------------------|---------------|--------------|-----------|------------|---------------|---------------------------|-----------------|--------------|-------------|
| Filtration for DNA Testing | COMPLETE      |              |           |            | Helix Biolab  | 7/27/17 12:00             | N MD            | U            |             |

Due: 28 JUL 2017

E

To: Endyne, Inc.  
315 New York Road  
Plattsburgh, NY 12903  
Phone 518-563-1720, FAX 518-563-0052  
Account number 201111

CHAIN OF CUSTODY RECORD

SAMPLER'S NAME >> Eric Rock / Ryan Rye

CLIENT: CITY OF PLATTSBURGH-WPCP  
CLIENT CONTACT: BILL ELLSWORTH  
CLIENT PHONE 518-536-7476

(PLEASE PRINT)

PROJECT LOCATION: >> CITY OF PLATTSBURGH

Lab. Services Contact: Chris LaFountain

PURCHASE ORDER # 81305610-00

TURNAROUND TIME REQUESTED: NORMAL

| SMPL # | SAMPLEID      | Sample Date | Time | Matrix | Type | # | Pres. | Detection Limit | PPB | ANALYSES                                   |
|--------|---------------|-------------|------|--------|------|---|-------|-----------------|-----|--------------------------------------------|
| 1      | RW0           | 7/27/17     | 839  | WATER  | Grab | 4 | ICED  | SeeBelow        |     | TC,EC,FC, Enterococcus, DNA Filter/Archive |
| 2      | RW1           |             | 851  | WATER  | Grab | 4 | ICED  | SeeBelow        |     | TC,EC,FC, Enterococcus, DNA Filter/Archive |
| 3      | RW2           |             | 900  | WATER  | Grab | 4 | ICED  | SeeBelow        |     | TC,EC,FC, Enterococcus, DNA Filter/Archive |
| 4      | RW3           |             | 910  | WATER  | Grab | 4 | ICED  | SeeBelow        |     | TC,EC,FC, Enterococcus, DNA Filter/Archive |
| 5      | RW4           |             | 933  | WATER  | Grab | 4 | ICED  | SeeBelow        |     | TC,EC,FC, Enterococcus, DNA Filter/Archive |
| 6      | RW5           |             | 941  | WATER  | Grab | 4 | ICED  | SeeBelow        |     | TC,EC,FC, Enterococcus, DNA Filter/Archive |
| 7      | RW17          |             | 922  | WATER  | Grab | 4 | ICED  | SeeBelow        |     | TC,EC,FC, Enterococcus, DNA Filter/Archive |
| 8      | WPCP Effluent |             | 1039 | WATER  | Grab | 1 | ICED  | SeeBelow        |     | TC,EC,FC, Enterococcus, DNA Filter/Archive |
|        |               |             |      | WATER  | Grab | 4 | ICED  | SeeBelow        |     | TC,EC,FC, Enterococcus, DNA Filter/Archive |
|        |               |             |      | WATER  | Grab | 4 | ICED  | SeeBelow        |     | TC,EC,FC, Enterococcus, DNA Filter/Archive |
|        |               |             |      | WATER  | Grab | 4 | ICED  | SeeBelow        |     | TC,EC,FC, Enterococcus, DNA Filter/Archive |
|        |               |             |      | WATER  | Grab | 4 | ICED  | SeeBelow        |     | TC,EC,FC, Enterococcus, DNA Filter/Archive |

SAMPLED BY: (SIGNATURE)  
>> Eric Rock

Date 7/27/17 Time 1035

RECEIVED BY: (SIGNATURE) DATE/TIME

RELINQUISHED BY: (SIGNATURE)  
>> Eric Rock

Date 7-27-17 Time 1035

RECEIVED BY: (SIGNATURE)

DISPATCHED BY: (SIGNATURE)  
>> Eric Rock

Date 7-27-17 Time 1050

RECEIVED FOR LABORATORY BY:  
>> Melissa Z. Di

Date 27 JUL 17 Time 1050

- PRESERVATIVES
1. HCL
  2. HNO3
  3. NAOH
  4. NAS2O3
  5. ZN ACET
  6. ASCORBIC
  7. H2SO4
  8. FILTERED
  9. N (NOT PRESERVED)
  10. OTHER Iced

- SAMPLE CONDITION:
1. SAMPLES INTACT? Yes
  2. CUSTODY SEALS INTACT? Yes
  3. PRESERVED PROPERLY? Yes
  4. COC Received with Samples Yes
  5. Samples were properly iced? Yes
  6. Temperature received: 19.5°C

For the above Analyses listing these are the  
DETECTION LIMIT REQUIREMENTS:

Setup sufficient Sample Volumes such that a > is never reported

METHOD OF SHIPMENT: Hand Delivered DATE: >> 7/27/17  
NOTES/COMMENTS:  
PP may be used as an abbreviation for Priority Pollutants

SEND A COPY OF THIS COC, COMPLETED, BACK TO OUR LAB

COCENDYNE.XLS

Revised 5/22/2017

Location: Beach 2017

Revised 5/22/2017

1707-16953



Plattsburgh, City WPCP  
CPlatt WPCP-TMPN, FMPN, ENT, DNA