

# Florida Department of Environmental Protection

## Central Laboratory Submittal Form

SMP with Feb TREND

Customer: SE-DIST

Requester: Jordan Skaggs

Field Report Prepared By: A. Hurley

Project ID: SMP

Collected By: A. Hurley, T. Wippick

Sampling Agency: 8050

|                                                                              |  |                                                                          |  |                                                                            |                                                          |                                  |                            |                                  |
|------------------------------------------------------------------------------|--|--------------------------------------------------------------------------|--|----------------------------------------------------------------------------|----------------------------------------------------------|----------------------------------|----------------------------|----------------------------------|
| Location<br>NForkNewRiver@Structure<br>3276<br>26.333306 -80.652694<br>C-kit |  | 42009011<br>Field ID<br>STORET<br>42009011                               |  | <input checked="" type="checkbox"/> Comp<br><input type="checkbox"/> Grab  | Collection (comp begin or grab)<br>Date 2/9/16 Time 1600 | Eastern<br>Central               | Composite end<br>Date Time | Bottle<br>Group(s)<br>(See pg 2) |
| Matrix (type, e.g., Salt, Fresh, etc)                                        |  | Diss. Oxygen<br>11.4                                                     |  | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat |                                                          | Total Res. Chlorine<br>(mg/L)    |                            | B                                |
| Temp<br>(C) 18.4                                                             |  | pH 7.1                                                                   |  | Sample<br>Depth 0.3                                                        |                                                          | Sp. Conductance<br>(umho/cm) 343 |                            |                                  |
| Salinity<br>(ppt) 0.2                                                        |  | Comments                                                                 |  |                                                                            |                                                          |                                  |                            |                                  |
| Latitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms      |  | Longitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms |  |                                                                            |                                                          |                                  |                            |                                  |

|                                                                         |  |                                                                          |                                              |                                                                                 |                            |                               |          |
|-------------------------------------------------------------------------|--|--------------------------------------------------------------------------|----------------------------------------------|---------------------------------------------------------------------------------|----------------------------|-------------------------------|----------|
| Location                                                                |  | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab           | Collection (comp begin or grab)<br>Date Time | Eastern<br>Central                                                              | Composite end<br>Date Time | Bottle<br>Group(s)            |          |
| Field ID                                                                |  | Matrix (type, e.g., Salt, Fresh, etc)                                    |                                              | Diss. Oxygen<br><input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat |                            | Total Res. Chlorine<br>(mg/L) |          |
| STORET #                                                                |  | Temp<br>(C)                                                              |                                              | pH                                                                              | Sample<br>Depth            | Sp. Conductance<br>(umho/cm)  |          |
| Latitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms |  | Longitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms |                                              | Salinity<br>(ppt)                                                               |                            |                               | Comments |

|                                                                         |  |                                                                          |                                              |                                                                                 |                            |                               |          |
|-------------------------------------------------------------------------|--|--------------------------------------------------------------------------|----------------------------------------------|---------------------------------------------------------------------------------|----------------------------|-------------------------------|----------|
| Location                                                                |  | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab           | Collection (comp begin or grab)<br>Date Time | Eastern<br>Central                                                              | Composite end<br>Date Time | Bottle<br>Group(s)            |          |
| Field ID                                                                |  | Matrix (type, e.g., Salt, Fresh, etc)                                    |                                              | Diss. Oxygen<br><input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat |                            | Total Res. Chlorine<br>(mg/L) |          |
| STORET #                                                                |  | Temp<br>(C)                                                              |                                              | pH                                                                              | Sample<br>Depth            | Sp. Conductance<br>(umho/cm)  |          |
| Latitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms |  | Longitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms |                                              | Salinity<br>(ppt)                                                               |                            |                               | Comments |

|                                                                         |  |                                                                          |                                              |                                                                                 |                            |                               |          |
|-------------------------------------------------------------------------|--|--------------------------------------------------------------------------|----------------------------------------------|---------------------------------------------------------------------------------|----------------------------|-------------------------------|----------|
| Location                                                                |  | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab           | Collection (comp begin or grab)<br>Date Time | Eastern<br>Central                                                              | Composite end<br>Date Time | Bottle<br>Group(s)            |          |
| Field ID                                                                |  | Matrix (type, e.g., Salt, Fresh, etc)                                    |                                              | Diss. Oxygen<br><input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat |                            | Total Res. Chlorine<br>(mg/L) |          |
| STORET #                                                                |  | Temp<br>(C)                                                              |                                              | pH                                                                              | Sample<br>Depth            | Sp. Conductance<br>(umho/cm)  |          |
| Latitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms |  | Longitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms |                                              | Salinity<br>(ppt)                                                               |                            |                               | Comments |

|                  |             |                 |              |              |                  |           |              |           |
|------------------|-------------|-----------------|--------------|--------------|------------------|-----------|--------------|-----------|
| Relinquished By: | Date/Time   | Shipping Method | Received By: | Date/Time    | Relinquished By: | Date/Time | Received By: | Date/Time |
| A. Hurley        | 2/9/16 1700 | Fed EX          | C            | 2/10/16 9:15 |                  |           |              |           |

Date of Request: 13-JAN-2016  
 Created By: SKAGGS\_J On: 13-JAN-2016  
 Modified By: WATTS\_J On: 28-JAN-2016  
 Customer: SE-DIST  
 Project: SMP  
 Division: Division of Environmental Assessment and Restoration  
 District: Southeast District  
 Sampling Event: SMP with Feb TREND

**Send Coolers To:**

Phone: (772) 579-3039  
 FL Dept. of Environmental Protection  
 2199 South Rock Road  
 Fort Pierce, FL 34945  
 Attn: Jordan Skaggs

Program Module Number: 1306  
 Priority: 3  
 Event Status: S  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: WATTS\_J On: 13-JAN-2016  
 Biology Request Reviewed By: SWANSON\_C On: 14-JAN-2016  
 Sampling Kit Required: YES Ship on: 20-JAN-2016  
 Sampling Kit Shipped: YES On: 15-JAN-2016  
 Sampling Kit Packed By: LASHLEY\_C  
 Preservatives Needed: NO  
 Date to Receive Samples: 08-FEB-2016  
 Received By:

**Send Final Report To:**

FL Dept. of Environmental Protection  
 2199 South Rock Road  
 Fort Pierce, FL 34945  
 Attn: Jordan Skaggs

Report Type: Final Only  
 FTP Data: NO  
 QC Report: YES  
 Date Log: NO  
 Authorization Log: NO

Comments:

**Bottle Group A (Water) With 2 Samples:**

|                      |                      |                                                                                                                    |
|----------------------|----------------------|--------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L    | Number of Bottles: 2 | Preserved With: ICE                                                                                                |
| ALKALINITY           | Template: DEFAULT    | (SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO3/L                                                        |
| TURBIDITY            | Template: DEFAULT    | (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices                                                                 |
| W-CL-IC              | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Chloride in aqueous matrices                                                                  |
| W-COLOR              | Template: DEFAULT    | (SM 2120 B) True Color measured at 450 nm                                                                          |
| Color (true)         |                      |                                                                                                                    |
| W-F                  | Template: DEFAULT    | (SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)               |
| W-SO4-IC             | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices                                                                   |
| W-TDS                | Template: DEFAULT    | (SM 2540 C-97) Total Dissolved Solids in aqueous matrices                                                          |
| W-TSS                | Template: DEFAULT    | (SM 2540 D-97) Total Suspended Solids in aqueous matrices                                                          |
| Bottle Type: P-1L    | Number of Bottles: 2 | Preserved With: ICE                                                                                                |
| BOD-UNIN             | Template: DEFAULT    | (SM 5210 B) BOD, NOT nitrogen-inhibited                                                                            |
| Bottle Type: BP-1L   | Number of Bottles: 2 | Preserved With: ICE                                                                                                |
| CHLSUITE-W           | Template: DEFAULT    | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, phaeophytin and ratio by spectrophotometry |
| Bottle Type: P-500ML | Number of Bottles: 2 | Preserved With: ICE And H2SO4                                                                                      |
| W-NH3                | Template: DEFAULT    | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L                                                         |
| W-NO2NO3             | Template: DEFAULT    | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L                                                 |
| W-S-A-TP             | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L                                                |
| W-TKN                | Template: DEFAULT    | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices                                                   |
| W-TOC                | Template: DEFAULT    | (SM 5310 B-00) Nonpurgeable Organic Carbon in aqueous matrices                                                     |
| Bottle Type: P-125ML | Number of Bottles: 2 | Preserved With: ICE-FLTR                                                                                           |
| W-PO4-F              | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L                           |

**Bottle Group B (Water) With 2 Samples:**

|                      |                      |                                                                     |
|----------------------|----------------------|---------------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 2 | Preserved With: ICE And H2SO4                                       |
| W-NH3                | Template: DEFAULT    | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L          |
| W-NO2NO3             | Template: DEFAULT    | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L  |
| W-S-A-TP             | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L |

**Bottle Group B (Water) With 2 Samples:**

|                      |                      |                                                                                                                                                |
|----------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 2 | Preserved With: ICE And H2SO4                                                                                                                  |
| W-TKN                | Template: DEFAULT    | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices                                                                               |
| W-TOC                | Template: DEFAULT    | (SM 5310 B-00) Nonpurgeable Organic Carbon in aqueous matrices                                                                                 |
| Bottle Type: P-125ML | Number of Bottles: 2 | Preserved With: ICE-FLTR                                                                                                                       |
| W-PO4-F              | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L                                                       |
| Bottle Type: P-1L    | Number of Bottles: 2 | Preserved With: ICE                                                                                                                            |
| ALKALINITY           | Template: DEFAULT    | (SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO3/L                                                                                    |
| TURBIDITY            | Template: DEFAULT    | (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices                                                                                             |
| W-CL-IC              | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Chloride in aqueous matrices                                                                                              |
| W-COLOR              | Template: DEFAULT    | (SM 2120 B) True Color measured at 450 nm                                                                                                      |
| Color (true)         |                      |                                                                                                                                                |
| W-F                  | Template: DEFAULT    | (SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)                                           |
| W-TDS                | Template: DEFAULT    | (SM 2540 C-97) Total Dissolved Solids in aqueous matrices                                                                                      |
| W-TSS                | Template: DEFAULT    | (SM 2540 D-97) Total Suspended Solids in aqueous matrices                                                                                      |
| Bottle Type: P-1L    | Number of Bottles: 2 | Preserved With: ICE                                                                                                                            |
| BOD-UNIN             | Template: DEFAULT    | (SM 5210 B) BOD, NOT nitrogen-inhibited                                                                                                        |
| Bottle Type: BP-1L   | Number of Bottles: 2 | Preserved With: ICE                                                                                                                            |
| CHLSUITE-W           | Template: DEFAULT    | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, phaeophytin and ratio by spectrophotometry                             |
| Bottle Type: P-500ML | Number of Bottles: 2 | Preserved With: HNO3                                                                                                                           |
| W-ICP                | Template:            | (EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects |
| Calcium              |                      |                                                                                                                                                |
| Iron                 |                      |                                                                                                                                                |
| Magnesium            |                      |                                                                                                                                                |
| Nickel               |                      |                                                                                                                                                |
| Potassium            |                      |                                                                                                                                                |
| Sodium               |                      |                                                                                                                                                |
| Zinc                 |                      |                                                                                                                                                |
| W-ICPMS              | Template: PRTY       | (EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects                    |
| Arsenic              |                      |                                                                                                                                                |
| Cadmium              |                      |                                                                                                                                                |
| Chromium             |                      |                                                                                                                                                |
| Copper               |                      |                                                                                                                                                |
| Lead                 |                      |                                                                                                                                                |
| Silver               |                      |                                                                                                                                                |

# Log-in Checklist

RQ- 2016-02-01-58

Shipping Method: Fedex

Date/Time of Receipt: 2/10/16 9:15

| Cooler ID | Cooler Temperature* | No. Sample Containers in Cooler | Evidence Tape |    |          |    | Tracking # (fill out only if waybill copy is damaged) |
|-----------|---------------------|---------------------------------|---------------|----|----------|----|-------------------------------------------------------|
|           |                     |                                 | Present?      |    | *Intact? |    |                                                       |
|           |                     |                                 | Yes           | No | Yes      | No |                                                       |
| Blue      | 0.3                 | 6                               |               | ✓  |          |    | 7823 4337 2431                                        |
|           |                     |                                 |               |    |          |    |                                                       |
|           |                     |                                 |               |    |          |    |                                                       |
|           |                     |                                 |               |    |          |    |                                                       |
|           |                     |                                 |               |    |          |    |                                                       |

\*If the temperature of a cooler is above 6.0 °C (or above 10.0 °C for W-1-4-DIOX), or if Evidence Seal is damaged, identify the containers in the affected cooler(s) on back of this form.

**\*\*Note:** If "No" is checked in any of the fields below, fill out the back of this form with additional details (Field ID, Test IDs, etc.) and generate an NCR.

**\*\*Chain Of Custody/ Field Sheet(s) Included?** Yes ☒ No ☐

## CONTAINER CHECK

**\*\*Evidence Tape on Bottles?** Yes ☐ No ☒ If yes, is it intact? Yes ☐ No ☐

**\*\*Caps on tight?** Yes ☒ No ☐ **\*\*Containers intact?** Yes ☒ No ☐

**\*\*Sufficient Sample Volume:** Yes ☒ No ☐

## CHLORINE CHECK (Blue dot on container)

| Check the Box marked "Yes" or "No" for the Presence of Chlorine. If Cl detected, an NCR is required. |     |    |               |     |    |
|------------------------------------------------------------------------------------------------------|-----|----|---------------|-----|----|
| Analysis                                                                                             | Yes | No | Analysis      | Yes | No |
| W-1,4 DIOX                                                                                           |     |    | W-PC-AA-SF    |     |    |
| W-AHERB-AA (-AHB-AA-R)                                                                               |     |    | W-PCL-SQ (-R) |     |    |
| W-BNA (-625, -R)                                                                                     |     |    | W-PDQUAT      |     |    |
| W-CARB-AA (-CAB-AA-R)                                                                                |     |    | W-PESTNP-R    |     |    |
| W-ENDO-AA                                                                                            |     |    | W-PSCL-TQ     |     |    |
| W-GLYPH                                                                                              |     |    | W-PSNP-TQ     |     |    |
| W-NP-AA-SF                                                                                           |     |    | W-PST-CL-R    |     |    |
| W-PAH (-R)                                                                                           |     |    | W-TR-TQ       |     |    |
| W-PCB-R                                                                                              |     |    |               |     |    |

## PRESERVATION CHECK (EXCLUDING SAMPLES SENT TO OVERFLOW LABS, "OV-")

**\*\*Acid Preserved Samples:** pH ≤ 2.0? Yes ☒ No ☐ NA ☐ Init: cu

**\*\*W-1-4-DIOX (Green dot on container) preserved to pH < 4.0?** Yes ☐ No ☐ NA ☒ Init: cu

Coolers Unpacked/Checked by: cu Date: 2/10/16 NCRs (Y/N)? N

Event ID: SE-DIST-2016-02-10-01 NCR #

## Log-in Checklist

### Samples with Incorrect pH Preservation or presence of Chlorine

| Field ID | Bottle Test ID(s) | pH / Cl | Action Taken |
|----------|-------------------|---------|--------------|
|          |                   |         |              |
|          |                   |         |              |
|          |                   |         |              |
|          |                   |         |              |

### Samples in Coolers with Incorrect Preservation or Damaged Evidence Tape

| Cooler ID | Field ID | Bottle Test ID(s) |
|-----------|----------|-------------------|
|           |          |                   |
|           |          |                   |
|           |          |                   |
|           |          |                   |
|           |          |                   |

### Bottles Not Intact

| Field ID | Bottle Test ID(s) | Loose Cap | Damaged Cap |    | Damaged Container |    | Evidence Tape Not Intact |
|----------|-------------------|-----------|-------------|----|-------------------|----|--------------------------|
|          |                   |           | CK          | BR | CK                | BR |                          |
|          |                   |           |             |    |                   |    |                          |
|          |                   |           |             |    |                   |    |                          |
|          |                   |           |             |    |                   |    |                          |

### Samples with Insufficient Volume for Analyses

| Field ID | Bottle Test ID(s) | Action Taken |
|----------|-------------------|--------------|
|          |                   |              |
|          |                   |              |
|          |                   |              |
|          |                   |              |

## ENCORE SAMPLES

**S-VOC-MS samples in Encores must be frozen within 48 hours of collection.**

Were Encore samples received? Yes \_\_\_\_\_ No ✓

Date and Time Placed in Freezer \_\_\_\_\_

Were all samples placed in freezer within 48 hours of collection? Yes \_\_\_\_\_ No \_\_\_\_\_

If no, were samples shipped on dry ice? Yes \_\_\_\_\_ No \_\_\_\_\_

#### FOR CLEAN LAB USE ONLY – Methyl Mercury Preservation Check:

Samples Preserved within 48 hours? Yes \_\_\_\_\_ No \_\_\_\_\_

Date and time samples preserved: \_\_\_\_\_

**Additional Comments:**