

# Florida Department of Environmental Protection

Event ID \*

Request Number: RQ-2010-11-08-16

## Central Laboratory Sample Submittal Form

SPRG1010: NO ENTERO

Requester: Kathryn Holland

Field Report Prepared By: EDGAR WADE

Customer: WTRSHD-MGT

Collected By: EDGAR WADE / GARY MADDOX

Send Final Report To: Kathryn Holland

Project ID: SPG\_QTR\_WQ

PMAS:

Sampling Agency: FDEP - GWPS

|                   |                                                                   |                                                                    |                                                                     |                                 |                                         |                                                              |                |                   |
|-------------------|-------------------------------------------------------------------|--------------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------|-----------------------------------------|--------------------------------------------------------------|----------------|-------------------|
| Lab ID *          | Location<br><u>Wakulla Spring</u>                                 |                                                                    | <input type="checkbox"/> Comp                                       | Collection (begin) <u>13:30</u> | <u>Eastern</u>                          | Collection (end)                                             | <u>Eastern</u> | Bottle Group(s)** |
|                   | Field ID<br><u>WAKULLA B TUNNEL</u>                               |                                                                    | <input checked="" type="checkbox"/> Grab                            | Date <u>12/21/2010</u>          | Time                                    | Date                                                         | Time           |                   |
|                   | Matrix (include type e.g. Salt, Fresh, etc)<br><u>fresh</u>       | Temp (C)<br><u>20.91</u>                                           | pH<br><u>7.76</u>                                                   | Tot Res Chlorine (mg/L)         | Diss Oxygen (mg/L)<br><u>6.37</u>       | Storet Station Number                                        |                | <u>A</u>          |
|                   | Latitude <input type="checkbox"/> dd <input type="checkbox"/> dms | Longitude <input type="checkbox"/> dd <input type="checkbox"/> dms | Sample Depth <input type="checkbox"/> m <input type="checkbox"/> ft | <u>336</u>                      | <input type="checkbox"/> Salinity (PPT) | <input checked="" type="checkbox"/> Sp Conductance (umho/cm) | NPDES Number   |                   |
|                   | Comments                                                          |                                                                    |                                                                     |                                 |                                         |                                                              |                |                   |
| Lab ID *          | Location<br><u>WAKULLA SPRING</u>                                 |                                                                    | <input type="checkbox"/> Comp                                       | Collection (begin) <u>14:00</u> | <u>Eastern</u>                          | Collection (end)                                             | <u>Eastern</u> | Bottle Group(s)** |
|                   | Field ID<br><u>WAKULLA C TUNNEL</u>                               |                                                                    | <input checked="" type="checkbox"/> Grab                            | Date <u>12/21/2010</u>          | Time                                    | Date                                                         | Time           |                   |
|                   | Matrix (include type e.g. Salt, Fresh, etc)<br><u>fresh</u>       | Temp (C)<br><u>20.95</u>                                           | pH<br><u>7.90</u>                                                   | Tot Res Chlorine (mg/L)         | Diss Oxygen (mg/L)<br><u>5.26</u>       | Storet Station Number                                        |                | <u>A</u>          |
|                   | Latitude <input type="checkbox"/> dd <input type="checkbox"/> dms | Longitude <input type="checkbox"/> dd <input type="checkbox"/> dms | Sample Depth <input type="checkbox"/> m <input type="checkbox"/> ft | <u>337</u>                      | <input type="checkbox"/> Salinity (PPT) | <input checked="" type="checkbox"/> Sp Conductance (umho/cm) | NPDES Number   |                   |
|                   | Comments                                                          |                                                                    |                                                                     |                                 |                                         |                                                              |                |                   |
| Lab ID *          | Location<br><u>WAKULLA SPRING</u>                                 |                                                                    | <input type="checkbox"/> Comp                                       | Collection (begin) <u>14:40</u> | <u>Eastern</u>                          | Collection (end)                                             | <u>Eastern</u> | Bottle Group(s)** |
|                   | Field ID<br><u>WAKULLA MAIN SPRING</u>                            |                                                                    | <input checked="" type="checkbox"/> Grab                            | Date <u>12/21/2010</u>          | Time                                    | Date                                                         | Time           |                   |
|                   | Matrix (include type e.g. Salt, Fresh, etc)<br><u>fresh</u>       | Temp (C)<br><u>20.42</u>                                           | pH<br><u>7.97</u>                                                   | Tot Res Chlorine (mg/L)         | Diss Oxygen (mg/L)<br><u>4.37</u>       | Storet Station Number                                        |                | <u>A</u>          |
|                   | Latitude <input type="checkbox"/> dd <input type="checkbox"/> dms | Longitude <input type="checkbox"/> dd <input type="checkbox"/> dms | Sample Depth <input type="checkbox"/> m <input type="checkbox"/> ft | <u>315</u>                      | <input type="checkbox"/> Salinity (PPT) | <input checked="" type="checkbox"/> Sp Conductance (umho/cm) | NPDES Number   |                   |
|                   | Comments<br><u>2 manatee visible</u>                              |                                                                    |                                                                     |                                 |                                         |                                                              |                |                   |
| Lab ID *          | Location                                                          |                                                                    | <input type="checkbox"/> Comp                                       | Collection (begin)              | <u>Eastern</u>                          | Collection (end)                                             | <u>Eastern</u> | Bottle Group(s)** |
|                   | Field ID                                                          |                                                                    | <input checked="" type="checkbox"/> Grab                            | Date <u>12/21/2010</u>          | Time                                    | Date                                                         | Time           |                   |
|                   | Matrix (include type e.g. Salt, Fresh, etc)                       | Temp (C)                                                           | pH                                                                  | Tot Res Chlorine (mg/L)         | Diss Oxygen (mg/L)                      | Storet Station Number                                        |                |                   |
|                   | Latitude <input type="checkbox"/> dd <input type="checkbox"/> dms | Longitude <input type="checkbox"/> dd <input type="checkbox"/> dms | Sample Depth <input type="checkbox"/> m <input type="checkbox"/> ft |                                 | <input type="checkbox"/> Salinity (PPT) | <input type="checkbox"/> Sp Conductance (umho/cm)            | NPDES Number   |                   |
|                   | Comments                                                          |                                                                    |                                                                     |                                 |                                         |                                                              |                |                   |
| Relinquished By:  | Date/Time                                                         | Shipping Method:                                                   | Received By:                                                        | Date/Time                       | Relinquished By:                        | Date/Time                                                    | Received By:   | Date/Time         |
| <u>Edgar Wade</u> | <u>12/21/2010</u>                                                 | <u>drop off</u>                                                    | <u>ABC</u>                                                          | <u>12/21/10</u>                 |                                         |                                                              |                |                   |

\* Shaded Areas for Lab use only.

\*\* Please see reverse side for Bottle Group information.

last revised October 1, 2003

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|           |                      |                 |                             |                                           |
|-----------|----------------------|-----------------|-----------------------------|-------------------------------------------|
| Group: A  | Bottle Type: WP-4-OZ | # of Bottles: 7 | Preservative: ICE           | Enter Number of Bottles Sent to Lab _____ |
| FCOLI-MF  |                      |                 |                             |                                           |
| Group: A  | Bottle Type: P-1L    | # of Bottles: 7 | Preservative: ICE           | Enter Number of Bottles Sent to Lab _____ |
| TURBIDITY |                      |                 |                             |                                           |
| W-ALK     |                      |                 |                             |                                           |
| W-CL-IC   |                      |                 |                             |                                           |
| W-SO4-IC  |                      |                 |                             |                                           |
| W-TDS     |                      |                 |                             |                                           |
| Group: A  | Bottle Type: P-125ML | # of Bottles: 7 | Preservative: ICE-FLTR      | Enter Number of Bottles Sent to Lab _____ |
| W-COLOR-F |                      |                 |                             |                                           |
| W-PO4-F   |                      |                 |                             |                                           |
| Group: A  | Bottle Type: P-500ML | # of Bottles: 7 | Preservative: HNO3          | Enter Number of Bottles Sent to Lab _____ |
| W-ICP     |                      |                 |                             |                                           |
| Group: A  | Bottle Type: P-500ML | # of Bottles: 7 | Preservative: ICE And H2SO4 | Enter Number of Bottles Sent to Lab _____ |
| W-NH3     |                      |                 |                             |                                           |
| W-NO2NO3  |                      |                 |                             |                                           |
| W-S-A-TP  |                      |                 |                             |                                           |
| W-TKN     |                      |                 |                             |                                           |
| W-TOC     |                      |                 |                             |                                           |

Date of Request: 20-SEP-2010  
 Created By: HOLLAND\_K On: 20-SEP-2010  
 Modified By: BRACKETT\_K On: 20-OCT-2010  
 Customer: WTRSHD-MGT  
 Project: SPG\_QTR\_WQ  
 Division:  
 District:  
 Sampling Event: SPRG1010: NO ENTERO

**Send Coolers To:**

Phone: (850) 245-4672  
 WILL PICK UP  
 2600 Blair Stone Rd.  
 Tallahassee, FL 32399  
 Attn: MIKE NASH

**Send Final Report To:**

2600 Blair Stone Rd.  
 Tallahassee, FL 32399-2400  
 Attn: Kathryn Holland

Program Module Number:  
 Priority: 3  
 Event Status: R  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: BRACKETT\_K On: 20-OCT-2010  
 Biology Request Reviewed By: WHITING\_D On: 11-OCT-2010  
 Sampling Kit Required: YES Ship on: 25-OCT-2010  
 Sampling Kit Shipped: YES On: 14-DEC-2010  
 Sampling Kit Packed By: ROGERS\_S  
 Date to Receive Samples: 08-NOV-2010  
 Received By: EBRAHIM\_TO On: 17-DEC-2010

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

Comments: WILL PICK UP COOLERS: INCLUDE FED-EX LABELS

**Suite A (Water) With 7 Samples:**

|                                   |                      |                                                                                                                                                |
|-----------------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: WP-4-OZ              | Number of Bottles: 7 | Preserved With: ICE                                                                                                                            |
| FCOLI-MF                          | Template: DEFAULT    | (SM 9222 D) Fecal coliforms by membrane filter method - non-chlorinated water systems                                                          |
| Bottle Type: P-1L                 | Number of Bottles: 7 | Preserved With: ICE                                                                                                                            |
| TURBIDITY                         | Template: DEFAULT    | (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices                                                                                             |
| W-ALK                             | Template: DEFAULT    | (SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO <sub>3</sub> /L                                                                       |
| W-CL-IC                           | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Chloride in aqueous matrices                                                                                              |
| W-SO <sub>4</sub> -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                                                                                      |
| Bottle Type: P-125ML              | Number of Bottles: 7 | Preserved With: ICE-FLTR                                                                                                                       |
| W-COLOR-F                         | Template: DEFAULT    | (SM 2120 B-01) True color in water samples                                                                                                     |
| W-PO <sub>4</sub> -F              | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L                                                       |
| Bottle Type: P-500ML              | Number of Bottles: 7 | Preserved With: HNO <sub>3</sub>                                                                                                               |
| 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 |
| Boron                             |                      |                                                                                                                                                |
| Calcium                           |                      |                                                                                                                                                |
| Magnesium                         |                      |                                                                                                                                                |
| Potassium                         |                      |                                                                                                                                                |
| Sodium                            |                      |                                                                                                                                                |
| Bottle Type: P-500ML              | Number of Bottles: 7 | Preserved With: ICE And H <sub>2</sub> SO <sub>4</sub>                                                                                         |
| W-NH <sub>3</sub>                 | Template: DEFAULT    | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L                                                                                     |
| W-NO <sub>2</sub> NO <sub>3</sub> | 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) Low Level Total Phosphorus in fresh water matrices                                                                        |
| 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                                                                                 |

## Log-in Checklist

RQ-2010-11-08-16

Shipping Method: Hand Delivered Date/Time of Receipt: 12-21-10 / 15:45

### Cooler Check

| Cooler ID | Cooler Temp. | Evidence Tape |    |          |    | No. Sample Containers in Cooler | Tracking # |
|-----------|--------------|---------------|----|----------|----|---------------------------------|------------|
|           |              | Present?      |    | *Intact? |    |                                 |            |
|           |              | Yes           | No | Yes      | No |                                 |            |
| Red       | 1.6          |               | ✓  |          |    | 15                              |            |
|           |              |               |    |          |    |                                 |            |
|           |              |               |    |          |    |                                 |            |
|           |              |               |    |          |    |                                 |            |
|           |              |               |    |          |    |                                 |            |
|           |              |               |    |          |    |                                 |            |
|           |              |               |    |          |    |                                 |            |
|           |              |               |    |          |    |                                 |            |
|           |              |               |    |          |    |                                 |            |

Note: If the the temperature of a cooler is above 6° C or an evidence seal is damaged then identify the bottles, in the affected cooler(s), on back of form.

Write the tracking number only if the waybill copy cannot be placed in the folder.

Evidence Tape on Bottles Present: Yes \_\_\_\_\_ No ☒

\*If Yes, is it intact: Yes \_\_\_\_\_ No \_\_\_\_\_

### Condition of Containers:

\*Caps on tight?: Yes ☒ No \_\_\_\_\_

\*Containers intact?: Yes ☒ No \_\_\_\_\_

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

\*Acid Preserved Samples: pH ≤ 2 ? Yes ☒ No \_\_\_\_\_ NA gc

\*Base Preserved Samples: pH ≥ 12 or 9? Yes \_\_\_\_\_ No \_\_\_\_\_ NA ☒ ccc  
(W-CN, OV-CN - pH ≥ 12), (W-SULFDE-F, W-SULFIDE - pH ≥ 9)

\*Preserved Samples for W-1-4-DIOX- pH<4?: Yes \_\_\_\_\_ No \_\_\_\_\_ NA ☒

\*Samples for W-1-4-DIOX- Samples free of chlorine?: Yes \_\_\_\_\_ No \_\_\_\_\_ NA ☒

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

Coolers Unpacked/Checked by: one Date: 12/21/2010 NCRs (y/n)? N

Event ID: WTRSH/D-MGT-2010-12-21-01 NCR # \_\_\_\_\_

\* If "No" is checked then fill out the back of this form with the details (field ID, test IDs, etc.)

### 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<br>Cap | Damaged<br>Cap |    | Damaged<br>Container |    | Evid. Tape<br>Not Intact |
|----------|-------------------|--------------|----------------|----|----------------------|----|--------------------------|
|          |                   |              | CK             | BR | CK                   | BR |                          |
|          |                   |              |                |    |                      |    |                          |
|          |                   |              |                |    |                      |    |                          |
|          |                   |              |                |    |                      |    |                          |
|          |                   |              |                |    |                      |    |                          |
|          |                   |              |                |    |                      |    |                          |
|          |                   |              |                |    |                      |    |                          |

### Samples With Incorrect pH Preservation

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

### Samples With Insufficient Volume for Analyses

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

**Additional Comments:**

CK - Cracked, BR - Broken