

**From:** [Bucell, Bridjette](#)  
**To:** [Welborn, Tanya](#)  
**Cc:** [Self, Lisa M.](#)  
**Subject:** Spanish Lakes Sampling  
**Date:** Friday, July 9, 2021 11:34:49 AM

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Hi Tanya,

As discussed, here are the edits for the Spanish Lakes Sampling event.

Please revise Field ID for bottle group A; The correct ID should be EFF- A Grab.

Please revise Field ID for bottle group B; The correct ID should be Blank Grab.

Please revise the Bottle Group A sample time as 10:32am.

Please revise the Matrix for Bottle Group B to DI water.

Let me know if you have any other questions.

Thanks a million,



**Bridjette Bucell**  
**Environmental Manager**  
Florida Department of Environmental Protection  
Southeast District – West Palm Beach  
3301 Gun Club Road, MSC 7210-1  
West Palm Beach, FL 33406  
[Bridjette.Bucell@floridadep.gov](mailto:Bridjette.Bucell@floridadep.gov)  
Office: 561.681.6619

# Login Checklist

RQ- 2021-05-31-12

Login Station ID: #5

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 6/ 15 /21 @ 9:20

| *Cooler Temperature | Samples Frozen? | * All Samples in Cooler Preserved with |          | Number of Sample Containers in Cooler | Evidence Tape |    |          |    | Waybill Tracking # |
|---------------------|-----------------|----------------------------------------|----------|---------------------------------------|---------------|----|----------|----|--------------------|
|                     |                 |                                        |          |                                       | Present?      |    | *Intact? |    |                    |
|                     | YES             | HNO <sub>3</sub>                       | Formalin |                                       | Yes           | No | Yes      | No |                    |
| 0.4                 |                 |                                        |          | 7                                     |               | ✓  |          |    | 9293 8013 6994     |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |

## COOLER CHECK

\*All samples received on ice unless otherwise noted. HNO3 and Formalin preserved samples do NOT have a temperature requirement.

- If the temperature of a cooler exceeds 6.0 oC (above 10.0 oC for W-1-4-DIOX and microbiology) or received without ice, identify affected samples in an NCR. NCR# \_\_\_\_\_
- DOH coolers can exceed 2.0 °C above the standard temperature (6.0 or 10.0 °C for W-1-4-DIOX) without login confirmation from customer for samples requiring ice preservation; identify affected samples in an NCR. NCR# \_\_\_\_\_
- If cooler or samples are received with a damaged Evidence Seal; identify the affected samples in an NCR. NCR# \_\_\_\_\_
- If coolers or samples are received late; identify the affected samples in an NCR. NCR# \_\_\_\_\_

Chain of Custody/ Field Sheet(s) Included?

Yes ☒ No \_\_\_\_\_

Micro-Biology Overflow Chain of Custody/ Field Sheet(s) Included?

Yes \_\_\_\_\_ No ☒

## CONTAINER CHECK

Evidence Tape on Bottles?

Yes \_\_\_\_\_ No \_\_\_\_\_ NA ☒

Evidence Tape intact? Yes \_\_\_\_\_ No \_\_\_\_\_

If Criminal, photographs taken?

Yes \_\_\_\_\_ No \_\_\_\_\_

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

Caps on tight?

Yes ☒ No \_\_\_\_\_

Sufficient Sample Volume:

Yes ☒ No \_\_\_\_\_

If **NO** is checked above, generate an NCR listing affected sample IDs in its appropriate category. NCR# \_\_\_\_\_

**CHLORINE CHECK REQUIRED?** (Blue dot on container)

Yes \_\_\_\_\_ No ☒ Init: KK

Chlorine detected? (One container checked per Field ID)

Yes \_\_\_\_\_ No \_\_\_\_\_ Init: \_\_\_\_\_

If chlorine is detected, generate an NCR listing affected sample IDs . NCR# \_\_\_\_\_

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

\*\*Acid Preserved Samples: pH< 2.0?

Yes ☒ No \_\_\_\_\_ NA \_\_\_\_\_ Init: KK

\*\*W-1-4-DIOX (Green dot on container) preserved to pH<4.0?

Yes \_\_\_\_\_ No \_\_\_\_\_ NA ☒ Init: KK

If samples were not preserved correctly, generate an NCR listing affected sample IDs . NCR# \_\_\_\_\_

Coolers Unpacked/Checked by: KK

Date: 6/ 15 /21

Event contains NCRs (Y/N)? N

Event ID: Southeast District CSIs for FL0345547  
SE-DIST-2021-06-15-01 (CSI)

Date Received: 15-JUN-2021 09:20

## Login Checklist

### Login Preservation Equipment

### Lot # & Exp: Date

### Additional Comments:

|                          |                             |
|--------------------------|-----------------------------|
| Infrared Thermometer ID: | IR TEMP GUN #5 EXP:10-28-21 |
| pH Test Strips 0 – 6     | Lot#210620 EXP:4-15-23      |
| pH Paper 0 – 3           |                             |
| pH Paper 0 – 13          | Lot#210620 EXP:4-15-23      |
| Chlorine Test Strips     | Lot#0261 EXP:5-23           |

### ENCORE SAMPLES

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

Were Encore samples received? Yes \_\_\_\_\_ Init: \_\_\_\_\_

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 \_\_\_\_\_

**If S-VOC-MS samples were not preserved correctly, generate an NCR listing affected sample IDs . NCR# \_\_\_\_\_**

**FOR CLEAN LAB USE ONLY – Total Mercury Preservation Check(W-HG-AF;W-HG-AF-F):**

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

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

Request Number: RQ-2021-05-31-12

# Florida Department of Environmental Protection

## Central Laboratory Submittal Form

Page 1 of 2

Southeast District CSIs for FL0345547 Spanish Lakes  
Country Club Village RO WTP Discharge Facility

last revised Jan 25, 2018

Customer: SE-DIST

Requester: Elaine Ignacio

Field Report Prepared By: L Self

Project ID: CSI

Collected By: BB, DKW, LMS, CP, SC

Sampling Agency: FDEP

|                                                                         |  |                                                                           |  |                                                                               |  |                                       |  |                               |  |
|-------------------------------------------------------------------------|--|---------------------------------------------------------------------------|--|-------------------------------------------------------------------------------|--|---------------------------------------|--|-------------------------------|--|
| Location<br>Spanish Lakes Country Club RO                               |  | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab |  | Collection (comp begin or grab)<br>Date 6/14/21 Time 10:28am                  |  | Eastern<br>Composite end<br>Date Time |  | Bottle Group(s)<br>(See pg 2) |  |
| Field ID<br>FLW-01                                                      |  | Matrix (type, e.g., Salt, Fresh, etc)<br>fresh/ind. ww                    |  | Diss. Oxygen<br>mg/L<br>% sat                                                 |  | Total Res. Chlorine<br>(mg/L)         |  | A                             |  |
| WIN/STORET #                                                            |  | Temp (C)<br>5.5                                                           |  | pH<br>5.5                                                                     |  | Sample Depth<br>ft<br>m               |  | 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 (ppt)<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms |  | Comments                              |  |                               |  |
| Location<br>Spanish Lakes Country Club RO                               |  | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab |  | Collection (comp begin or grab)<br>Date 6/14/21 Time 10:28am                  |  | Eastern<br>Composite end<br>Date Time |  | Bottle Group(s)               |  |
| Field ID<br>FLW-01                                                      |  | Matrix (type, e.g., Salt, Fresh, etc)<br>fresh/ind. ww                    |  | Diss. Oxygen<br>mg/L<br>% sat                                                 |  | Total Res. Chlorine<br>(mg/L)         |  | B                             |  |
| WIN/STORET #                                                            |  | Temp (C)<br>4                                                             |  | pH<br>4                                                                       |  | Sample Depth<br>ft<br>m               |  | 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 (ppt)<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms |  | Comments                              |  |                               |  |
| Location                                                                |  | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab            |  | Collection (comp begin or grab)<br>Date Time                                  |  | Eastern<br>Composite end<br>Date Time |  | Bottle Group(s)               |  |
| Field ID                                                                |  | Matrix (type, e.g., Salt, Fresh, etc)                                     |  | Diss. Oxygen<br>mg/L<br>% sat                                                 |  | Total Res. Chlorine<br>(mg/L)         |  |                               |  |
| WIN/STORET #                                                            |  | Temp (C)                                                                  |  | pH                                                                            |  | Sample Depth<br>ft<br>m               |  | 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 (ppt)<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms |  | Comments                              |  |                               |  |
| Location                                                                |  | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab            |  | Collection (comp begin or grab)<br>Date Time                                  |  | Eastern<br>Composite end<br>Date Time |  | Bottle Group(s)               |  |
| Field ID                                                                |  | Matrix (type, e.g., Salt, Fresh, etc)                                     |  | Diss. Oxygen<br>mg/L<br>% sat                                                 |  | Total Res. Chlorine<br>(mg/L)         |  |                               |  |
| WIN/STORET #                                                            |  | Temp (C)                                                                  |  | pH                                                                            |  | Sample Depth<br>ft<br>m               |  | 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 (ppt)<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms |  | Comments                              |  |                               |  |

|                            |                              |                          |                                 |                    |                           |
|----------------------------|------------------------------|--------------------------|---------------------------------|--------------------|---------------------------|
| Relinquished By:<br>L Self | Date/Time<br>6/14/21 11:10am | Shipping Method<br>FedEx | Number of Coolers Shipped:<br>1 | Received By:<br>KK | Date/Time<br>6.15.21/0920 |
|----------------------------|------------------------------|--------------------------|---------------------------------|--------------------|---------------------------|

|          |                                                                 |         |                 |                                                               |                                              |                                            |
|----------|-----------------------------------------------------------------|---------|-----------------|---------------------------------------------------------------|----------------------------------------------|--------------------------------------------|
| Group: A | Bottle Type:<br>W-ICP<br>W-ICPMS                                | P-500ML | # of Bottles: 1 | Preservative: HNO3<br><i>pH 2 after preservation</i>          | Enter Number of Bottles Sent to Lab <u>1</u> | HNO3<br>LOT# NA0344060<br>EXP: 01/04/2022  |
| Group: A | Bottle Type:<br>W-NH3<br>W-NO2NO3<br>W-S-A-TP<br>W-TKN<br>W-TOC | P-500ML | # of Bottles: 1 | Preservative: ICE And H2SO4<br><i>pH 2 after preservation</i> | Enter Number of Bottles Sent to Lab <u>1</u> | H2SO4<br>LOT# SA1105060<br>EXP: 04/30/2022 |
| Group: A | Bottle Type:<br>W-PO4-F                                         | P-125ML | # of Bottles: 1 | Preservative: FILTER-ICE<br><i>pH 5.5</i>                     | Enter Number of Bottles Sent to Lab <u>1</u> |                                            |
| Group: A | Bottle Type:<br>W-TSS                                           | P-500ML | # of Bottles: 1 | Preservative: ICE<br><i>pH 5.5</i>                            | Enter Number of Bottles Sent to Lab <u>1</u> |                                            |
| Group: B | Bottle Type:<br>W-ICP<br>W-ICPMS                                | P-500ML | # of Bottles: 1 | Preservative: HNO3<br><i>pH 2 after preservation</i>          | Enter Number of Bottles Sent to Lab <u>1</u> | HNO3<br>LOT# NA0344060<br>EXP: 01/04/2022  |
| Group: B | Bottle Type:<br>W-NH3<br>W-NO2NO3<br>W-S-A-TP<br>W-TKN<br>W-TOC | P-500ML | # of Bottles: 1 | Preservative: ICE And H2SO4<br><i>pH 2 after preservation</i> | Enter Number of Bottles Sent to Lab <u>1</u> | H2SO4<br>LOT# SA1105060<br>EXP: 04/30/2022 |
| Group: B | Bottle Type:<br>W-PO4-F                                         | P-125ML | # of Bottles: 1 | Preservative: FILTER-ICE<br><i>pH 4</i>                       | Enter Number of Bottles Sent to Lab <u>1</u> |                                            |

Date of Request: 05-APR-2021  
 Created By: IGNACIO\_E On: 05-APR-2021  
 Modified By: WATTS\_J On: 23-APR-2021  
 Customer: SE-DIST  
 Project: CSI  
 Division:  
 District: Southeast District  
 Event Description: Southeast District CSIs for FL0345547 Spanish Lakes Country Club Village RO WTP Discharge Facility

**Send Coolers To:**

Phone: (772) 380-5572  
 FL Dept. of Environmental Protection  
 3301 Gun Club Road  
 West Palm Beach, FL 33406  
 Attn: Lisa Self; Bridgette Bucell  
 Cooler Ship EMail:  
 Lisa.m.self@floridadep.gov;Bridgette.Bucell@FloridaDEP.gov

Priority: 3  
 Event Status: S  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: WATTS\_J On: 23-APR-2021  
 Biology Request Reviewed By:  
 Sampling Kit Required: YES Ship on: 21-MAY-2021  
 Sampling Kit Shipped: YES On: 20-MAY-2021  
 Sampling Kit Packed By: KLUG\_K  
 Preservatives Needed: YES  
 Date to Receive Samples: 15-JUN-2021  
 Logged In By:

**Send Final Report To:**

FL Dept. of Environmental Protection  
 3301 Gun Club Road  
 West Palm Beach, FL 34406  
 Attn: Lisa Self; Bridgette Bucell  
 Report Notification EMail:  
 Lisa.m.Self@floridadep.gov;Bridgette.Bucell@FloridaDEP.gov

Comments: 2- vials sulfuric acid  
 2- vials nitric acid  
 2 - Liters DI water  
 Pipettes  
 pH strips

CSI inspections for FL0345547 Spanish Lakes Country Club Village RO WTP Discharge Facility.

Bottle Group A -Effluent (grab)  
 Bottle Group B -Field Blank

**Bottle Group A (Water) With 1 Samples:**

Bottle Type: P-500ML Number of Bottles: 1 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  
 Potassium  
 Sodium  
 Zinc

W-ICPMS Template: (EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

Aluminum  
 Arsenic  
 Cadmium  
 Chromium  
 Copper  
 Lead  
 Nickel  
 Selenium  
 Silver

Bottle Type: P-500ML Number of Bottles: 1 Preserved With: ICE And H2SO4  
 W-NH3 Template: DEFAULT (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L

**Bottle Group A (Water) With 1 Samples:**

|                      |                      |                                                                                                 |
|----------------------|----------------------|-------------------------------------------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 1 | Preserved With: ICE And H2SO4                                                                   |
| 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-2011) Nonpurgeable Organic Carbon in aqueous matrices                                |
| Bottle Type: P-125ML | Number of Bottles: 1 | Preserved With: FILTER-ICE                                                                      |
| 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-500ML | Number of Bottles: 1 | Preserved With: ICE                                                                             |
| W-TSS                | Template: DEFAULT    | (SM 2540 D-2011) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample |

**Bottle Group B (Water) With 1 Samples:**

|                      |                      |                                                                                                                                                |
|----------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 1 | 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            |                      |                                                                                                                                                |
| Potassium            |                      |                                                                                                                                                |
| Sodium               |                      |                                                                                                                                                |
| Zinc                 |                      |                                                                                                                                                |
| W-ICPMS              | Template:            | (EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects                    |
| Aluminum             |                      |                                                                                                                                                |
| Arsenic              |                      |                                                                                                                                                |
| Cadmium              |                      |                                                                                                                                                |
| Chromium             |                      |                                                                                                                                                |
| Copper               |                      |                                                                                                                                                |
| Lead                 |                      |                                                                                                                                                |
| Nickel               |                      |                                                                                                                                                |
| Selenium             |                      |                                                                                                                                                |
| Silver               |                      |                                                                                                                                                |
| Bottle Type: P-500ML | Number of Bottles: 1 | 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-2011) Nonpurgeable Organic Carbon in aqueous matrices                                                                               |
| Bottle Type: P-125ML | Number of Bottles: 1 | Preserved With: FILTER-ICE                                                                                                                     |
| W-PO4-F              | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L                                                       |