



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
GROUND WATER SAMPLING FIELD LOG SHEET

Watershed Monitoring Section

January 2013

|                                |                       |                 |
|--------------------------------|-----------------------|-----------------|
| SAMPLING AGENCY: 8034          | FLUWID: AAN3423       | OWNER:          |
| STATUS RANDOM ID:              | STATION NAME: MSFMW13 | PROJECT: MSFNS  |
| LAND SURFACE ELEV.(LSE): 83.3  | CASING MATERIAL: PVC  | TOTAL DEPTH: 63 |
| MEASURING POINT ELEV.(MPE): 83 | CASING DIAMETER: 4"   |                 |

All Times Are: ETZ or CTZ Date/Time On Site: 16:30 8-26-13 Date/Time Off Site: 17:15 8-26-13  
(circle one)

Field Sheet Completed By: PR WQ Samples Collected By: ME

POTENTIOMETRIC METHOD

(Stickup is MPE - LSE)

|                                                                |                                |                 |
|----------------------------------------------------------------|--------------------------------|-----------------|
| Total Depth - (Depth to Water - Stickup) = Water Column Height | (*DTW = N/A if not measurable) | Second Reading  |
| <u>63</u> - ( <u>47.75</u> + <u>0.3</u> ) = <u>14.95</u> ft    |                                | <u>14.95</u> ft |
| DTW - SU = <u>48.05</u>                                        | (WCH)                          | (WCH)           |

TAPE / CHALK METHOD

|                                                                  |
|------------------------------------------------------------------|
| Total Depth - ((Held at - Wetted At) - SU) = Water Column Height |
| 1. _____ - ((_____ - _____) - _____) = _____                     |
| 2. _____ - ((_____ - _____) - _____) = _____                     |
| DTW - SU = _____                                                 |

PURGE METHOD (Check one):

- ☒ 1) 1.5 well volumes and stability ☐ 2) In-place plumbing purge and stability (continuous and intermittently running wells)  
☐ 3) More than 1.5 well volumes and stability ☐ 4) Fully dry purge (not recommended)  
☐ 5) Purged 5 or more well volumes without stability (explain in comments) ☐ 6) Other (explain in comments)

MINIMUM PURGE VOLUME DETERMINATION

.041 X Diameter X Diameter X Water Column Height X # Well Purge Volumes = Min. Purge Volume (gal.)

.041 X \_\_\_\_\_ X \_\_\_\_\_ X \_\_\_\_\_ X 1.5 = \_\_\_\_\_

Water Column Height (WCH) X Well Capacity X # Well Purge Volumes = Min. Purge Volume (gal.)

14.95 X 0.65 X 1.5 = 14.56 (gal.)

1 Well Purge Volume: 9.71 (gal.)

1/4 Well Purge Volume: 2.42 (gal.)

Volume of tank (if required to purge): \_\_\_\_\_ (gal.)

Well Capacity (Gallons per ft): .75" = .02, 1" = .04, 1.25" = .06, 2" = .16, 3" = .37, 4" = .65, 5" = 1.02, 6" = 1.47, 8" = 2.62, 10" = 4.10, 12" = 5.88

Purge Equipment Used: Redi-flo 2 #1 Sample Equipment Used: Redi-flo 2 #1  
Please include type of pump (peristaltic, submersible, etc.) AND pump ID# (ex. Redi-flo #1, Grundfos #2, etc.)

Minimum Purge Time: (Min. Purge Volume/Purge Rate) 14.56 (min.)

Time Purge Begin: 16:46 (24hr)

Time Purge Stop: 17:01 (24hr) Purge Rate: 1 (gal/min)

Total Purge Time: 15 (min.)

Total Purge Volume: 15 (gal.)  
(Purge rate X Total purge Time)

Time Sampling Begin: 17:02 (24 hr)

Time Sampling Stop: 17:08 (24 hr)

AAN3423  
PLACE  
FLUWID LABEL HERE  
(if applicable)

MSFMW13  
PLACE  
SITE LABEL HERE

PLACE QA/QC LABEL HERE  
(if applicable)

QA/QC Sample: N/A Field Blank Equipment Blank Time (24hr):  
 (Circle One) (Field-cleaned) (Lab-cleaned)  
 Equipment Used: Collected by:

Well Condition: normal Fuel-Powered Equipment Used? Yes No  
 (Circle One)

Placement Depth of Tubing or Pump Intake: 52

Drawdown Monitored? (Circle One) No (N/A) Yes, no drawdown Yes, drawdown noticed and corrected for  
 This is verified by recording depth to water in the Chemical Stability Monitoring section.

Sulfur Odor?: (Circle One) Yes No Color: None

Personnel/Visitors On Site: Mike Eckles / Paul Blair

Weather Conditions: cloudy

**PRESERVATION INFORMATION** ☐ N/A (No samples collected; non-quarterly Trend month, etc.)

Were all appropriate samples (including QA/QC blanks) preserved within 15 minutes including the following: wet ice (<6°C); nutrient samples with 1 mL sulfuric acid; metal samples with 1 mL nitric acid; ortho-phosphate sample filtered with a .45µm filter; and anion, metal and nutrient samples filtered with a .45µm filter (for Oct. TREND network only) Yes No

Were all acidified samples verified that the pH was less than 2 SU? Yes No Preserved By: PB

Preservative Lot #s: Sulfuric 126165 Nitric 113020  
 (Please describe any variations to this preservation protocol in the comments section below.)

**COMMENTS:** (Include any variations from normal preservation protocols; ex. adding more than 1 ml acid, unable to monitor depth to water because..., etc.)

| CHEMICAL STABILITY MONITORING                                                                                                           |              |                         |                      |                                      |             |                  |             |             |            |                 |          |
|-----------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------------------|----------------------|--------------------------------------|-------------|------------------|-------------|-------------|------------|-----------------|----------|
| Meter ID# <u>451 600XLM #11</u> Read By: <u>PB</u>                                                                                      |              |                         |                      |                                      |             |                  |             |             |            |                 |          |
|                                                                                                                                         | Time (24hr.) | Volume Purged (gallons) | Purge Rate (gal/min) | Depth to Water (feet)* <sup>PB</sup> | Temp. (°C)  | Cond. (µmhos/cm) | DO (%)      | DO (mg/L)   | pH (SU)    | Turbidity (NTU) | Comments |
| 1                                                                                                                                       | <u>16:56</u> | <u>10</u>               | <u>1</u>             | <u>*52.92</u>                        | <u>23.3</u> | <u>446</u>       | <u>83.0</u> | <u>7.07</u> | <u>7.0</u> | <u>6.73</u>     |          |
| 2                                                                                                                                       | <u>16:59</u> | <u>13</u>               | <u>1</u>             | <u>" "</u>                           | <u>23.4</u> | <u>445</u>       | <u>83.1</u> | <u>7.08</u> | <u>7.0</u> | <u>3.04</u>     |          |
| 3                                                                                                                                       | <u>17:01</u> | <u>15</u>               | <u>1</u>             | <u>" "</u>                           | <u>23.4</u> | <u>446</u>       | <u>83.2</u> | <u>7.07</u> | <u>7.0</u> | <u>2.13</u>     |          |
| 4                                                                                                                                       |              |                         |                      | <u>47.92*</u>                        |             |                  |             |             |            |                 |          |
| 5                                                                                                                                       |              |                         |                      |                                      |             |                  |             |             |            |                 |          |
| 6                                                                                                                                       |              |                         |                      |                                      |             |                  |             |             |            |                 |          |
| 7                                                                                                                                       |              |                         |                      |                                      |             |                  |             |             |            |                 |          |
| 8                                                                                                                                       |              |                         |                      |                                      |             |                  |             |             |            |                 |          |
| 9                                                                                                                                       |              |                         |                      |                                      |             |                  |             |             |            |                 |          |
| 10                                                                                                                                      |              |                         |                      |                                      |             |                  |             |             |            |                 |          |
| Stability Criteria: Temp. ± 0.2°C Specific Conductance ± 5.0% of reading DO ≤ 20% pH ± 0.2 SU Turbidity ≤ 20 NTUs                       |              |                         |                      |                                      |             |                  |             |             |            |                 |          |
| If DO > 20% or Turbidity > 20 NTUs then: DO ± 0.2 mg/L or 10%, whichever is greater and Turbidity ± 5 NTUs or 10%, whichever is greater |              |                         |                      |                                      |             |                  |             |             |            |                 |          |

\*\*\* Depth to Water needs to be documented if well diameter allows room for both tubing/pump and potentiometer. Not applicable to wells with in-place plumbing. If not applicable, please write "N/A" for this column.

Sampler Names: Paul Blair

Sampler Signatures: (Please PRINT)

Mike Eckles

**OFFICE USE ONLY**  
 Reviewed for completion by: Date: