DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SITE  NAME: | | | | | | | | | | | | | | SITE  LOCATION: | | | | | | | | | | | | | | | | | |
| WELL NO: | | | | | | | | | | SAMPLE ID: | | | | | | | | | | | | | DATE: | | | | | | | | |
| PURGING DATA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WELL  DIAMETER (inches): | | | | TUBING  DIAMETER (inches): | | | | | | | WELL SCREEN INTERVAL DEPTH: feet to feet | | | | | | | STATIC DEPTH  TO WATER (feet): | | | | | | | PURGE PUMP TYPE  OR BAILER: | | | | | | |
| **WELL VOLUME PURGE: 1 WELL VOLUME** = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY  (only fill out if applicable)  = ( feet – feet) X gallons/foot = gallons | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.** = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME  (only fill out if applicable)  = gallons + ( gallons/foot X feet) + gallons = gallons | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INITIAL PUMP OR TUBING  DEPTH IN WELL (feet): | | | | | | FINAL PUMP OR TUBING  DEPTH IN WELL (feet): | | | | | | | | | | PURGING  INITIATED AT: | | | | | | PURGING  ENDED AT: | | | | | TOTAL VOLUME  PURGED (gallons): | | | | |
| TIME | | VOLUME PURGED (gallons) | CUMUL.  VOLUME  PURGED  (gallons) | | | | PURGE  RATE  (gpm) | | DEPTH  TO  WATER  (feet) | | | pH  (standard units) | | | TEMP.  (OC) | | COND.  (circle units)  μmhos/cm  or μS/cm | | | DISSOLVED  OXYGEN  (circle units)  mg/L or  % saturation | | | | TURBIDITY  (NTUs) | | | | | COLOR  (describe) | | ODOR  (describe) |
|  | |  |  | | | |  | |  | | |  | | |  | |  | | |  | | | |  | | | | |  | |  |
|  | |  |  | | | |  | |  | | |  | | |  | |  | | |  | | | |  | | | | |  | |  |
|  | |  |  | | | |  | |  | | |  | | |  | |  | | |  | | | |  | | | | |  | |  |
|  | |  |  | | | |  | |  | | |  | | |  | |  | | |  | | | |  | | | | |  | |  |
|  | |  |  | | | |  | |  | | |  | | |  | |  | | |  | | | |  | | | | |  | |  |
|  | |  |  | | | |  | |  | | |  | | |  | |  | | |  | | | |  | | | | |  | |  |
|  | |  |  | | | |  | |  | | |  | | |  | |  | | |  | | | |  | | | | |  | |  |
|  | |  |  | | | |  | |  | | |  | | |  | |  | | |  | | | |  | | | | |  | |  |
|  | |  |  | | | |  | |  | | |  | | |  | |  | | |  | | | |  | | | | |  | |  |
|  | |  |  | | | |  | |  | | |  | | |  | |  | | |  | | | |  | | | | |  | |  |
|  | |  |  | | | |  | |  | | |  | | |  | |  | | |  | | | |  | | | | |  | |  |
| **WELL CAPACITY** (Gallons Per Foot): **0.75”** = 0.02; **1”** = 0.04; **1.25”** = 0.06; **2”** = 0.16; **3”** = 0.37; **4”** = 0.65; **5”** = 1.02; **6”** = 1.47; **12”** = 5.88  **TUBING INSIDE DIA. CAPACITY** (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **PURGING** **EQUIPMENT CODES:** **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP =** Peristaltic Pump; **O** = Other (Specify) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SAMPLING DATA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SAMPLED BY (PRINT) / AFFILIATION: | | | | | | | | SAMPLER(S) SIGNATURE(S): | | | | | | | | | | | | | SAMPLING  INITIATED AT: | | | | | | | SAMPLING  ENDED AT: | | | |
| PUMP OR TUBING  DEPTH IN WELL (feet): | | | | | | | | TUBING  MATERIAL CODE: | | | | | | | | | | | FIELD-FILTERED: Y N FILTER SIZE: μm  Filtration Equipment Type: | | | | | | | | | | | | |
| FIELD DECONTAMINATION: PUMP Y N TUBING Y N (replaced) | | | | | | | | | | | | | | | | | | | | | DUPLICATE: Y N | | | | | | | | | | |
| SAMPLE CONTAINER SPECIFICATION | | | | | | | | SAMPLE PRESERVATION (including wet ice) | | | | | | | | | | | | | INTENDED ANALYSIS AND/OR METHOD | | | | | SAMPLING EQUIPMENT CODE | | | | SAMPLE PUMP  FLOW RATE (mL per minute) | |
| SAMPLE ID CODE | # CONTAINERS | | MATERIAL CODE | | VOLUME | | | PRESERVATIVE  USED | | | | | TOTAL VOL  ADDED IN FIELD (mL) | | | | | FINAL  pH | | |
|  |  | |  | |  | | |  | | | | |  | | | | |  | | |  | | | | |  | | | |  | |
|  |  | |  | |  | | |  | | | | |  | | | | |  | | |  | | | | |  | | | |  | |
|  |  | |  | |  | | |  | | | | |  | | | | |  | | |  | | | | |  | | | |  | |
|  |  | |  | |  | | |  | | | | |  | | | | |  | | |  | | | | |  | | | |  | |
|  |  | |  | |  | | |  | | | | |  | | | | |  | | |  | | | | |  | | | |  | |
|  |  | |  | |  | | |  | | | | |  | | | | |  | | |  | | | | |  | | | |  | |
| REMARKS: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **MATERIAL CODES**: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene;  **S** = Silicone; **T** = Teflon; **O** = Other (Specify) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **SAMPLING** **EQUIPMENT CODES:** **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump;  **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. Stabilization Criteria for range of variation of last three consecutive readings (see FS 2212, section 3)

pH: + 0.2 units Temperature: + 0.2 oC Specific Conductance: + 5% Dissolved Oxygen: all readings < 20% saturation (see Table FS 2200-2); optionally, + 0.2 mg/L or + 10% (whichever is greater) Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

62-160.800 F.A.C. Revision Date: March 1, 2014