

PROJECT: BROWARD COUNTY SCHOOL BOARD

1. DESCRIPTION: Broward County School Board: Water Quality Monitoring at Broward County Schools.
2. PURPOSE/GOALS: To quarterly monitor the concentration of contaminants in groundwater and drinking water associated with the Broward County School system at Piper High School.
3. USE OF DATA: The data will be provided to the Broward County School Board.
4. RELEVANCE: The goal of this project is to monitor the levels of contamination in the drinking water supply and in ground water monitoring wells in Broward County Schools and surrounding properties. This monitoring project began in 2011, the data generated is used to assess contamination of Broward County Schools in wellfield protection zones.
5. EFFECTIVENESS: Trace metals data generated by this project will meet the EPA Drinking Water requirements. VOCs and FLPRO meet the requirements of the Broward County Wellfield Protection Ordinance.
SAMPLE SITE – MONITORING WELL 1 (MW-1) 6b. Total Metals (200.8), VOCs (8260 BTEX), Petroleum Hydrocarbons (FLPRO): Monitoring well located at Piper High School.
SAMPLE SITE – MONITORING WELL 2 (MW-2) 6b. Petroleum Hydrocarbons (FLPRO): Monitoring well located at Piper High School.
SAMPLE SITE – DRINKING WATER FOUNTAINS (VARIOUS SCHOOLS, TBA) 6c. Dissolved Lead (200.8): Drinking water fountains in newly constructed and renovated Broward County Schools.
7. PARAMETERS: Lead (Dissolved and Total); Silver, Chromium, Copper, Zinc (Total). Benzene, Ethyl Benzene, Toluene, Xylene, Petroleum Hydrocarbons.
8. FREQUENCY/DURATION/SCHEDULE: Drinking water sampling will be conducted by Broward County School Board staff on an as needed basis. Broward County EML will conduct the ground water sampling quarterly.
9. DELIVERABLES: Lab reports, field sheets, chain of custodies, groundwater sample logs will be provided to the Broward County School Board.
10. SPECIAL EQUIPMENT/SUPPLIES CONSIDERATIONS: Peristaltic Pump, PVC tubing, 1.0 um filters for groundwater.
11a. QA/QC REQUIREMENTS: Duplicates, Equipment Blanks
12. FUNDING/REVENUE: Contract Fund paid by BCSB \$2,320 annually