

Wet Weather Sampling Protocol

1. Has there been at least 72 hours of “dry” weather?
2. Check National Weather Service www.erh.noaa.gov/iln/index.php for verification of 0.1 inch of rain
3. Grab coolers from back hallway containing the following sampling bottles for the listed parameters for your sampling site:
 - **TSS – 1 Liter plastic w/o preservatives**
 - **Oil & Grease- 1 Liter glass with H₂SO₄ preservative**
 - **TDS, Chlorine and pH- 500 ml plastic**
 - **BOD- 1 Liter plastic w/o preservatives**
 - **Fecal-specifically prepared bottle**
 - **Dissolved Phosphorus- 500 ml plastic no preservative**
 - **COD, TKN, Nitrate plus nitrite, Total ammonia plus organic nitrogen, Total phosphorus – 1 Liter plastic with sulfuric acid preservative**
 - **Fecal streptococcus- specifically prepared bottle**
4. Make sure that the numbers on your coolers are the same. There is a set of bottles for each of the following sample locations (*see attached photos*).
 - **Apple Street outfall (GML-27)/Cleveland Park- manhole in Cleveland Park; park across from Brookline Avenue at locked park gate; the raised manhole is ~ 18ft from inside of gate, inside gravel track, adjacent to swings.**
 - **Fifth Street. Outfall (GML-33)/ Sinclair- manhole north of Fourth Street in Sinclair Community College lawn near satellite dish., ~ 16 feet from sidewalk across from turnaround that connects 4th and 5th Streets.**
 - **Mad River (MRL-01)/River Corridor- 66” storm sewer outfall on the left bank of the Mad River.**
 - **Mary Street (SWR-08) alley drip at east end of the alley loop in the park north of Mary Street.**
 - **Lucille Drive (GML-76) last manhole available for sampling before storm water enters the Lucille Drive storm water pumping station at the end of Lindorph Drive in grass area behind pipe fabrication business, ~9ft from fence.**
5. Gather the following supplemental equipment from the back hallway for your team:
 - **Stainless steel bucket to grab sample**
 - **Deionized water to rinse bucket**
 - **Polyester rope to lower bucket**
 - **Rain gear for each person**
 - **Plastic sheeting to set samples on**

- **Flashlight and markers**
 - **Synchronize watches with other sampling teams**
 - **Are you sure of your sample location? If not, ask!**
6. Stop to get ice before arriving at your sampling site
- **There are ice machines at Water Distribution and Sewer Maintenance**
 - **Ice can also be purchased on the way and the receipt turned in for petty cash reimbursement**
7. Storm Water Sampling Procedure
- **Set up necessary safety barricades.**
 - **A prearranged time, obtain 1st grab sample using bucket with polyester rope, sampling from horizontal and vertical center of storm sewer.**
 - **Use grab sample to fill the first round of sample containers.**
 - **Use deionized water to rinse bucket**
 - **Take remaining 4 samples at 20-minute intervals.**
 - **During sampling avoid touching the inside of sample containers and keep samples free from uncharacteristic floating debris.**
8. Transport Samples to Lab
- **Test America is located at 3601 S. Dixie Drive**
 - **Sign and date chain of custody to be relinquished to Lab**
 - **Forward copy from lab to Felicia Graham**

Cleveland Park



Fifth Street/Sinclair



MRL-01



Mary Street



Lucille Pump Station (Lindorph Drive)

