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](http://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 H$_2$SO$_4$ 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
Mary Street

Lucille Pump Station (Lindorph Drive)