



## Chemistry and Flow Monitoring Wayne County Procedures

### 1. Pick Up Equipment

Pick up equipment at the Downriver Utility Wastewater Authority (Downriver Wastewater Treatment Facility) at 797 Central Street in Wyandotte (at intersection of 8<sup>th</sup> and Central). Please park in the area in front the building.

- ***If after hours (Sundays and Mondays)***, please wait for your whole team to arrive, then drive in one car to Gate #5 (just up the road from the main plant building). Call 734-258-3359 to be let into at Gate #5. Call 734-318-7022 if that number is unreachable. Drive around plant and enter at door labeled ENTER HERE. Use the sign-out sheet and checklists to make sure you get the necessary forms and equipment. Use the same phone numbers to exit gated area.
- ***If during business hours***, enter the building then sign in at the desk. Proceed down the green hall to the right and follow signs to equipment. Equipment is located in the large garage area at the bottom of the stairs. Use the sign-out sheet and checklists to make sure you get the necessary forms and equipment.

### 2. Travel to Sites

Visit [www.hrwc.org/chemflowvolunteerresources/](http://www.hrwc.org/chemflowvolunteerresources/) to find a Google Map with all the monitoring sites, lab locations, and additional information about each site, such as where to park and the location of the staff gauge. Carpool to sites with fellow volunteers.

### 3. Collect Samples and Measurements

At the sampling site, record the time and date on the bottles before grabbing samples. Collect the water samples using the bucket or in-stream grab method. **Remember to 1) face upstream, 2) avoid touching bottle lip or collecting stirred-up sediment, and 3) rinse bottle 3x before taking a sample.** Place samples in the cooler. Use the two YSIs to take readings and record on the field data sheet. Make note of any unusual conditions at the site, such as high flow, unusual turbidity, water color, etc. Also take flow measurements if you have been instructed to do so. See [Flow Procedures document](#) for additional instructions.

### 4. Drop Off Samples and Equipment

Return to DUWA to drop off equipment, along with your field data sheets. Make sure to clean your shoes and any waders outside before entering the building. If after hours, please call 734-258-3359 again to be let back in at Gate #5. Sign in the equipment and put the completed data sheets in the appropriate location. Place samples in the refrigerator near the top of the stairs. Make sure to log samples using the sheet on the counter across from the refrigerator.

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