

**Wayne County Department of Public Services
ARC 2025 IDEP Work Plan
Proposed to: ARC Technical Committee on 3/6/2025**

Field Investigations

City of Plymouth

Wayne County Department of Public Services - Environmental Services Division (ESD) will work with the City of Plymouth and ARC staff to perform collaborative illicit discharge elimination plan (IDEP) investigations as described in Table 1.

Table 1: City of Plymouth Activities

| MS4 Area | Advanced Investigation Activities | Receiving Water |
|-----------------|--|-------------------------------------|
| Park Street | <ul style="list-style-type: none"> • Coordinate with the City for compliance enforcement and correction on the illicit connections identified in 2018, and 2019. • Confirm correction of illicit connections (three residences) • Re-sample the Park Street outfall and Mill Street inlets after illicit connection corrections are confirmed | Middle Branch Rouge River- Plymouth |
| Outfall PY5 | <p>Continuing investigation of the PY5 MS4 area- dye testing of residential properties along William and Pacific Street to identify illicit connections for correction.</p> <ul style="list-style-type: none"> • Coordinate with the City for enforcement and correction on the illicit connections that may be discovered • Re-sample Outfall PY5 after illicit connection corrections have been discovered/confirmed corrected | North Branch Tonquish Creek |

City of Livonia

ESD will work with the City of Livonia and ARC staff to perform collaborative illicit discharge elimination plan (IDEP) investigations as described in Table 2.

Table 2: City of Livonia Activities

| MS4 Area | Advanced Investigation Activities | Receiving Water |
|-----------------|---|------------------------|
| 2680 | Resample for and test for <i>E. coli</i> and HF183 at outfall and upstream laterals. Collect upstream samples in storm sewer laterals to narrow down a possible source if elevated levels are found. Recommend televising of the storm sewer laterals. Dye testing may be needed to identify source(s). | Upper Rouge |

Table 3: Lower Rouge Activities

| MS4 Area | Advanced Investigation Activities | Receiving Water |
|-------------------------|---|------------------------|
| Lower Rouge Water Trail | Continue monitoring 7 sites on the Lower Rouge Water Trail during the recreational season. Follow up investigations in sections of the river upstream of sites with elevated <i>E. coli</i> concentrations with ARC staff support | Lower Rouge |

Cost for E. coli and HF 183 analysis for samples submitted to Oakland University (OU) will be paid for by the ARC.

Cost of E. coli sample analysis for samples submitted to laboratories other than OU will be paid for by Wayne County DPS ESD.

Outfall Screening

Wayne County plans to dry weather screen its MS4 outfalls for *E. coli* based on plans approved by EGLE.

Wayne County plans to support ARC staff in investigating sections of the Rouge River upstream of sites with elevated *E. coli* concentrations.

IDEP Training

ESD will coordinate with ARC and SEMCOG to support the regional IDEP training activities planned for 2025.

Reporting

Written and/or oral summary of activities and results will be provided at ARC Technical Committees and a comprehensive final report will be prepared for use in the ARC's Annual Report. The final report will include recommendations for additional investigations where appropriate.

Anticipated Collaborative Support Value: **\$37,500 WCDPS ESD in-kind services.**