

**Wayne County Department of Public Services  
Proposed ARC 2021 IDEP Work Plan  
Proposed to: ARC Technical Committee on 2/18/2022**

**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**

<b>MS4 Area</b>	<b>Advanced Investigation Activities</b>	<b>Receiving Water</b>
Park Street	<ul style="list-style-type: none"> <li>• Coordinate with the City for compliance enforcement and correction on the illicit connections identified in 2018, and 2019.</li> <li>• Confirm correction of illicit connections (four residences)</li> <li>• Re-sample the Park Street outfall and Mill Street inlets after illicit connection corrections are confirmed.</li> </ul>	Middle Branch Rouge River- Plymouth
North Holbrook Street	<ul style="list-style-type: none"> <li>• Continue investigation of the Holbrook Street MS4 area- surveying, manhole sampling, storm sewer televising, sanitary sewer televising and dye testing of residential properties in the investigation area as needed. <b>Further investigation is dependent upon City of Plymouth televising footage review</b></li> </ul>	Middle Branch Rouge River- Plymouth
Outfall PY8	<p>Continue investigation of the PY8 MS4 area- manhole sampling and dye testing of residential properties along Penniman and Blunk Streets to identify illicit connections for correction.</p> <ul style="list-style-type: none"> <li>• Perform additional manhole sampling ( <i>E.coli</i> and HF183 marker) in the investigation area, as needed</li> <li>• Review Blunk Street storm sewer televising results to identify location of taps to identify residences for dye testing</li> <li>• Televis sanitary sewer on Blunk Street to identify sanitary sewer taps</li> <li>• Coordinate with City of Plymouth to issue dye testing notification letters to the residences in the investigation area, if residential dye testing is needed</li> <li>• Schedule appointments, perform dye-test inspections and track results.</li> <li>• Coordinate with the City for enforcement and correction on the illicit connections that may be discovered</li> <li>• Re-sample Outfall PY8 after illicit connection corrections have been discovered/confirmed corrected.</li> </ul>	North Branch Tonquish Creek
Outfall PY5	<p>Continue investigation of the PY5 MS4 area- manhole sampling and dye testing of residential properties along William Street to identify illicit connections for correction.</p> <ul style="list-style-type: none"> <li>• Perform additional manhole sampling in the investigation area, as needed (<i>E. coli</i> and HF183 marker)</li> <li>• Confirm manhole sampling locations and locations of storm sewers in investigation area</li> </ul>	North Branch Tonquish Creek

	<ul style="list-style-type: none"> <li>• Coordinate with City of Plymouth to issue dye testing notification letters to the residences in the investigation area, if residential dye testing is needed</li> <li>• Schedule appointments, perform dye-test inspections and track results.</li> <li>• Coordinate with the City for enforcement and correction on the illicit connections that may be discovered</li> <li>• Re-sample Outfall PY5 after illicit connection corrections have been discovered/confirmed corrected.</li> </ul>	
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*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
L3582	Complete investigation of the L3582 MS4 area-additional sampling including <i>E. coli</i> and HF183 marker	Tarabusi Creek Tributary (Upper Rouge River)
6038	Complete investigation of the 6038 MS4 area-additional sampling including <i>E. coli</i> and HF183 marker	Bakewell Drain (Upper Rouge River)

*Lower Rouge/Perrin Drain Activities*

ESD will work with ARC staff to perform collaborative illicit discharge elimination plan (IDEP) investigations as described in Table 3.

**Table 3: Lower Rouge/Perrin Drain – City of Inkster Activities**

MS4 Area	Advanced Investigation Activities	Receiving Water
Lower Rouge - Perrin Drain, City of Inkster	Joint investigative effort with ARC staff. Televising the sanitary sewer crossings within the Perrin Drain area is recommended <b>pending City of Inkster funding/approval.</b>	Perrin Drain (Lower Rouge Tributary)
Lower Rouge Water Trail Monitoring	Wayne County ESD will regularly monitor the LR-06 (John Daly) Road site and other Lower Rouge sample sites during the water recreation season as part of its Lower Rouge Water Trail monitoring efforts	Lower Rouge River

**IDEP Training**

ESD will coordinate with ARC and SEMCOG to support the regional IDEP training activities planned for 2022.

**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.**