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

<table>
<thead>
<tr>
<th>MS4 Area</th>
<th>Advanced Investigation Activities</th>
<th>Receiving Water</th>
</tr>
</thead>
</table>
| Park Street       | • Coordinate with the City for compliance enforcement and correction on the illicit connections identified in 2018, and 2019.  
                   • Confirm correction of illicit connections (four residences)  
                   • Re-sample the Park Street outfall and Mill Street inlets after illicit connection corrections are confirmed.                                                                          | Middle Branch Rouge River- Plymouth     |
| North Holbrook Street | • 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. Further investigation is dependent upon City of Plymouth televising footage review | Middle Branch Rouge River- Plymouth     |
| Outfall PY8       | 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.  
                   • Perform additional manhole sampling (E.coli and HF183 marker) in the investigation area, as needed  
                   • Review Blunk Street storm sewer televising results to identify location of taps to identify residences for dye testing  
                   • Televise sanitary sewer on Blunk Street to identify sanitary sewer taps  
                   • Coordinate with City of Plymouth to issue dye testing notification letters to the residences in the investigation area, if residential dye testing is needed  
                   • Schedule appointments, perform dye-test inspections and track results.  
                   • Coordinate with the City for enforcement and correction on the illicit connections that may be discovered  
                   • Re-sample Outfall PY8 after illicit connection corrections have been discovered/confirmed corrected.                                           | North Branch Tonquish Creek             |
| Outfall PY5       | Continue investigation of the PY5 MS4 area- manhole sampling and dye testing of residential properties along William Street to identify illicit connections for correction.  
                   • Perform additional manhole sampling in the investigation area, as needed (E. coli and HF183 marker)  
                   • Confirm manhole sampling locations and locations of storm sewers in investigation area                                                                                             | North Branch Tonquish Creek             |
• Coordinate with City of Plymouth to issue dye testing notification letters to the residences in the investigation area, if residential dye testing is needed
• Schedule appointments, perform dye-test inspections and track results.
• 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.

**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**

<table>
<thead>
<tr>
<th>MS4 Area</th>
<th>Advanced Investigation Activities</th>
<th>Receiving Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>L3582</td>
<td>Complete investigation of the L3582 MS4 area-additional sampling including <em>E. coli</em> and HF183 marker</td>
<td>Tarabusi Creek Tributary (Upper Rouge River)</td>
</tr>
<tr>
<td>6038</td>
<td>Complete investigation of the 6038 MS4 area-additional sampling including <em>E. coli</em> and HF183 marker</td>
<td>Bakewell Drain (Upper Rouge River)</td>
</tr>
</tbody>
</table>

**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**

<table>
<thead>
<tr>
<th>MS4 Area</th>
<th>Advanced Investigation Activities</th>
<th>Receiving Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lower Rouge - Perrin Drain, City of Inkster</td>
<td>Joint investigative effort with ARC staff. Televising the sanitary sewer crossings within the Perrin Drain area is recommended <strong>pending City of Inkster funding/approval.</strong></td>
<td>Perrin Drain (Lower Rouge Tributary)</td>
</tr>
<tr>
<td>Lower Rouge Water Trail Monitoring</td>
<td>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</td>
<td>Lower Rouge River</td>
</tr>
</tbody>
</table>

**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.**