

# ROUGE RIVER COLLABORATIVE ILLICIT DISCHARGE ELIMINATION PLAN 2017 PROGRESS REPORT



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## A. Purpose

This report summarizes the activities undertaken to implement the Rouge River Collaborative Illicit Discharge Elimination Program (IDEP) plan which was approved by the Michigan Department of Environmental Quality in September 2017. The report includes activities implemented by or on behalf of the Alliance of Rouge Communities (ARC) from September 2017 through December 2017. The permittees participating in the Plan through December 2017 are listed below.

### Participating Permittees

Beverly Hills, Village of	Northville, City of
Bingham Farms, Village of	Northville Township
Birmingham, City of	Novi, City of
Bloomfield Hills, City of	Oak Park, City of
Bloomfield Township	Plymouth, City of
Canton Township	Plymouth Township
Dearborn Heights, City of	Redford Township
Farmington, City of	Southfield, City of
Farmington Hills, City of	Troy, City of
Franklin, Village of	Walled Lake, City of
Garden City, City of	Wayne, City of
Inkster, City of	Westland, City of
Lathrup Village, City of	West Bloomfield Township
Livonia, City of	
Melvindale, City of	Henry Ford College
Oakland County*	Wayne County*

*\*Participating in this Plan, but their commitments are outlined in their individual stormwater management plan which is pending MDEQ approval.*

This report should be used as an attachment to each participating permittee's progress report.

## B. Action Strategy Status

The status of each action strategy includes a description of each activity, progress made during the reporting period and status of each metric. Because of the truncated reporting period (3 months), little or no progress was made for some of the activities. Despite this, all Plan activities are included for completeness.

### IDEP #1: Mapping of Storm Sewer Systems

Description: The permittees will have their storm sewer maps available which include the location of outfalls, enclosed and open storm drains, roads and waters of the state. In addition, the ARC will develop a GIS database of the storm sewer system maps by July 30, 2020. For Wayne and Oakland counties, this requirement will be dealt with under their individual stormwater management plans.

Goal:

- 100% of outfalls mapped in GIS
- 100% of storm sewers mapped in GIS

Progress: Several communities provided the ARC with storm sewer GIS data as shown in Table 1.

**Table 1 – Individual Permittee Storm Sewer System Map and Schedule for GIS**

Permittee	Physical Location of Storm Sewer Maps	Outfalls in GIS	Storm Sewer in GIS
<b>Municipalities</b>			
Beverly Hills	Oakland County WRC	Yes	
Bingham Farms	Oakland County WRC	Yes	
Birmingham	Oakland County WRC	Yes	
Bloomfield Hills	Department of Public Works	Yes	
Bloomfield Twp.	Dave Payne Public Services Building	Yes	
Canton Twp.	Department of Public Works	Yes	
Dearborn Heights	Department of Public Works		
Farmington	Department of Public Works	Yes	
Farmington Hills	Engineering Department	Yes	
Franklin	Oakland County WRC	Yes	
Garden City	Department of Public Works	Yes	
Inkster	Department of Public Works	Yes	
Lathrup Village	Oakland County WRC	Yes	
Livonia	Department of Public Works		
Melvindale	Department of Public Works	Yes	
Northville	Department of Public Works		
Northville Twp.	Department of Public Works	Yes	
Novi	Department of Public Works	Yes	
Oak Park	Department of Public Works	Yes	
Plymouth	Department of Public Works		
Plymouth Twp.	Department of Public Works	Yes	
Redford Twp.	Department of Public Works	Yes	
Southfield	Department of Public Works	Yes	
Troy	Department of Public Works	Yes	
Walled Lake	Department of Public Works		
Wayne	Department of Public Works	Yes	
West Bloomfield Twp.	Department of Development Services		
Westland	Department of Public Works		
<b>Schools</b>			
Henry Ford College	HFC Facilities Building	Yes	

Status:

Metric	Status
Portion of watershed (area) where known outfalls are mapped in GIS	73% (based on permittee land area)
Portion of watershed with storm sewers in GIS	0%

## **IDEP #2: Outfall Prioritization and Dry Weather Screening**

Description: The ARC will identify by March 30, 2018 and screen priority outfalls by December 30, 2018 in each city or village. The ARC will determine outfalls with suspicious discharges within 30 days of completion of screening of all outfalls in a municipality. Cities/Townships/Villages will perform dry weather screening of new outfalls within 6 months of construction, taking ownership or discovery. For Wayne and Oakland counties, this requirement will be dealt with under their individual stormwater management plans.

Goal: Screen 100% of priority outfalls

Progress: ARC began the process of collecting data to identify priority outfalls. This included calculation of the dry weather E. coli geometric mean for samples collected in 2017, requesting outfalls in GIS format, discerning outfalls from discharge points, and identifying recreation areas.

Status:

<b>Metric</b>	<b>Status</b>
Number priority outfalls identified	TBD
Number of priority outfalls screened and sampled	TBD
Number of suspicious discharges identified (based on outfall screening results)	TBD

## **IDEP #3: Advanced Investigations**

Description: The goal of this activity is to locate and oversee the correction of source(s) of suspected illicit discharge(s) in the initial priority areas and upstream of the priority outfalls. The initial priority areas will be investigated until December 30, 2018 and the priority outfalls will be investigated through the end of the permit cycle.

Goals:

- Follow the advanced investigation protocol for initial priority areas and priority outfalls.
- 100% of illicit connections/discharges resolved or a plan in place for elimination.

Progress: In 2017, Wayne County Department of Public Services (WCDPS) and Oakland County Water Resource Commissioners Office (OCWRC) continued to investigate the initial priority areas. Three new illicit connections were found in Wayne County and none were found in Oakland County. In addition, three previously discovered illicit connections in Oakland County were corrected. Additional details can be found in the final reports prepared by each county which can be found on the ARC's website.

Status:

- Portion (square miles/acres) of priority outfall drainage areas in Categories A and B and portion investigated.
  - TBD during next reporting period.
- Number and type of illicit connections/discharges identified and resolved (See Table 2).

**Table 2 – Number and Type of Illicit Discharges (IDs) Discovered and Resolved**

	A	B	C	A+B-C
County	No. of Known IDs at beginning of Reporting Period	No. IDs <u>Discovered</u> During Reporting Period	No. of IDs <u>Resolved</u> During Reporting Period	No. of Known IDs at the end of Reporting Period
<b>Sanitary Sewage from Illicit Connections from Residences</b>				
Oakland	3	0	3	0
Wayne	0	3	0	3
<b>Sanitary Sewage from Failed Residential Septic Systems</b>				
Oakland	2	0	2	0
Wayne	0	0	0	0
<b>Total</b>	<b>5</b>	<b>3</b>	<b>5</b>	<b>3</b>

**IDEP #4: Staff Training**

Description: The permittees will have at least one person who is competent at the IDEP Investigator Level. Permittees will have 50% of their field staff trained at the Alert Observer Level by March 31, 2021. In addition, permittees will remind staff of *E. coli* problems in Priority Areas and encourage reporting, annually.

Goals:

- 1 person per MS4 trained at Investigator Level.
- 50% of field staff trained at the Alert Observer Level.

Progress: In 2017, the IDEP Investigator Training was taken by 20 staff representing 9 permittees (See Attachment A). The number of staff already trained will be determined in the next reporting cycle.

Status:

- Number of staff trained at various competencies.
  - TBD during next reporting cycle

**IDEP #5: Pollution Complaint Response**

Description: Permittees will have a method for recording and tracking pollution complaints from staff and the public. Permittees will follow-up on the complaints. The ARC will maintain a list of community contacts who are responsible for complaint response.

Goal: 100% of complaints addressed

Progress: Will be tracked during the next reporting period.

Status:

Metric	Status
Number of complaints received and referred or investigated	TBD
Number of issues identified	TBD
Number of issues resolved	TBD

**IDEP #6: Inspection of ARC Member-Owned Facilities**

Description: Dye-test permittee owned or operated facilities (within the watershed) To ensure they are properly draining to the sanitary sewer.

Goals:

- 100% of ARC Member existing facilities dye tested.
- 100% of issues addressed.

Progress: No additional facilities were dye-tested during the reporting period.

Status:

Permittee (listed alphabetically)	Status	No. of Facilities Tested	Issues Identified	Issues Corrected
<b>Municipalities</b>				
Beverly Hills				
Bingham Farms	NA-1			
Birmingham (golf courses only)				
Bloomfield Hills				
Bloomfield Twp.	Completed			
Canton Twp.	Completed			
Dearborn Heights	Completed			
Farmington	Completed			
Farmington Hills	Completed			
Franklin	Completed			
Garden City	Completed			
Inkster	Completed			
Lathrup Village				
Livonia	Completed			
Melvindale	Completed			
Northville	Completed			
Northville Twp.	Completed			
Novi				
Oak Park	NA-2			
Plymouth	Completed			
Plymouth Twp.	Completed			
Redford Twp.	Completed			
Southfield	Completed			
Troy	NA-2			
Walled Lake				
Wayne	Completed			
West Bloomfield Twp.				
Westland	Completed			
<b>Counties</b>				
Wayne County	Completed			
<b>Schools</b>				
Henry Ford College	Completed			

NA-1=Not applicable because there are no municipal facilities.

NA-2=Not applicable because municipal facilities are not located in the watershed.

**Not Tracked. Completed prior to Plan approval.**

**IDEP #7: IDEP Work Group**

Description: Permittees will meet twice a year to discuss IDEP-related topics including the annual advanced investigations work plan, progress of advanced investigations, lessons learned, any road blocks encounter with implementing the plan, and recommendations for improving the plan.

Goals:

- Hold at least 2 work group meetings per year.
- 80% member participation.
- 2 meeting summaries per year.

Progress: No meetings were held during the reporting period.

Status:

Metric	Status
Number of meetings per year	0
Number of meeting summaries	NA
Number of members in attendance at meetings	NA

**Appendix A.**  
**IDEP Training Sign-In Sheet**