

ARC – ECT 2020 IDEP Work Plan for Oakland County Communities
Approved by: ARC Technical Committee – 3/6/2020

Scope of Work

ECT will follow-up on the results from the 2019 investigations as required in the Rouge River Collaborative IDEP Plan. This will include investigating suspicious discharges at Category A and B outfalls located in Beverly Hills, Farmington Hills, Northville, and Novi (Table 1). Four of the outfalls (BV66, Fhc.01, NV03, and NO23) were investigated in 2019. More work is needed as described in the summary presented to the ARC Technical Committee on March 6, 2020. The remaining four outfalls (BV51, NV22, NV23, and NV57) are newly added based on the sampling of the Category C outfalls. Our goal is to first complete the investigations of the 2019 outfalls before beginning the newly added outfalls. Of the newly added outfalls, NV22 and BV51 will be prioritized over the others because of their high *E. coli* counts (> 10,000 MPN/100 ml).

Table 1. Outfalls Requiring Additional Investigations in 2020

Community	Category A Outfalls	Category B Outfalls
Beverly Hills	BV66 – continued BV51	
Farmington Hills	Fhc.01 – continued	
Northville	NV03 – continued NV22	NV23 NV57
Novi		NO23 – continued
Total	5	3

Category A: *E. coli* > 10,000 cfu/100 mL or unexplained physical characteristics for any sample.

Category B: *E. coli* btw 5,001 and 10,000 cfu/100 mL for any sample.

Investigation efforts will include defining the drainage areas with the help of local staff and inspecting and sampling manholes within the storm drain to narrow down the problem area. Samples may be analyzed for *E. coli*, Human *Bacteroides*, surfactants, ammonia, and temperature. If budget allows, ECT will conduct advanced investigations to locate illicit discharge sources. This could include CCTV inspections and dye testing.

ECT will contact the local community prior to the onset of field work and provide periodic updates as warranted. The community may be requested to aid with traffic control if deemed necessary.

The output of this work plan is a summary report with tables and maps showing the results of the inspections and sampling. The report will also include recommendations for next steps.

Schedule: January – December 2020

Budget: \$30,000