

## ARC – ECT 2025 IDEP Work Plan

### Presented to: ARC Technical Committee – 3/6/25

#### TC1: Advanced IDEP Investigations:

ARC staff will follow up on the results from the 2024 investigations according to the Rouge River Collaborative IDEP Plan. This will include continuing to investigate suspicious discharges at Category A and B outfalls located in Birmingham and Livonia. The planned investigations are outlined in Table 1.

**Table 1. Planned Investigations Summary for 2025**

Community	Priority Outfalls	Next Steps
Livonia	L1619	Resample manholes
Birmingham	BH32	Continue advanced investigation with sampling

Outfalls identified as new Category A or B from the TC2 Outfall Dry Weather Screening effort will also be prioritized for advanced IDEP investigations in 2025. ARC staff will contact the local community prior to the onset of fieldwork and provide periodic updates as warranted. The community may be requested to aid with traffic control and conduct CCTV work, if deemed necessary.

#### TC2: Outfall Dry Weather Screening

ECT will continue to screen outfalls throughout the Rouge with the goal of screening at least 300 outfalls per year. This is in keeping with the Collaborative IDEP Plan, which is expected to be approved by EGLE. The plan indicates that all outfalls should be screened within the 8-year timeframe (7 years remain) as negotiated with EGLE. ARC staff will also partner with the counties and the collaborative plan members who are willing and able to assist with outfall screening. ARC staff will provide training, data management, and follow-up sampling as needed for these communities.

#### TC3: Outfall Wet Weather Sampling

ARC staff will begin wet weather screening of ARC member collaborative plan outfalls with the goal of collecting samples from at least 100 outfalls in 2025. The wet weather screening will target Category C and D outfalls. This is consistent with the Collaborative TMDL Plan, which is expected to be approved by EGLE.

#### TC4: Erb Investigational Monitoring and Training

The instream monitoring and analysis performed in 2024 will be used to guide stormwater outfall dry weather screening. With grant funding, the screening of outfalls will include analysis for both *E.coli* and the human biomarker (HF183) when *E.coli* results are high. This outfall screening will supplement task TC2 and will be a major effort through 2025. Given the wide spread nature of *E.coli*, based on the 2024 instream monitoring results, outfall screening will occur throughout the Rouge Valley Sewage Disposal System (RVSDS) area but will focus on outfalls upstream of the sites with geometric means exceeding 1000 MPN/100ml during dry weather (see Figure 1).

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

**Budget:**

Task	Responsible Party	Budget Estimate
TC1: Annual Activities & Investigations	ARC Staff	\$72,750
TC2: IDEP Outfall Dry Weather Screening	ARC Staff	\$58,100
TC3: TMDL Wet Weather Screening	ARC Staff	\$42,000
TC4: Erb Monitoring and Training	ARC Staff	\$173,000
Total TC Budget		\$345,850