Park Ritchie - May 2016

Section 1: Background Data

Subwatershed: SL16	Outfall ID: Park Ritchie	Today's date: 5-20-16
Time (Military): 1405	Investigators: PwR	Photo #s:
Nearest Street Address: MAPLE AVE	Rainfall (in.): Last 24 hours: 0	Last 48 hours: 0

Land Use in Drainage Area (Check all that apply): ☐ Industrial ☑ Residential ☑ Commercial ☐ Open Space ☐ Institutional

Known Industries: _____ Notes (e.g., origin of outfall, if known):

Section 2: Outfall Description & Quantitative Characterization

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
☑ Closed Pipe	☑ RCP ☐ Steel ☐ CMP ☐ PVC ☐ HDPE	☑ Circular ☐ Elliptical ☐ Box ☐ Other: ____	Single ☐ Double ☐ Triple ☐ Other: ____	Circular, diameter: ____ Box: h - ____ w - ____ Elliptical: h - ____ w - ____

In Water: ☑ No ☐ Partially ☐ Fully — With Sediment: ☑ No ☐ Partially ☐ Fully

☐ Open drainage ☐ Concrete ☐ Rip-rap ☐ Earthen ☐ Other: _____

☐ In-Stream

Flow Present? ☐ Yes ☑ No *If No, Skip to Section 5* Flow Description ☐ Trickle ☐ Moderate ☐ Substantial

PARAMETER	RESULT	UNIT	EQUIPMENT
Ammonia NS	1.03	mg/L	LaMotte 1200
JW	0.79		

Section 4: Physical Indicators for Flowing Outfalls Only

Are Any Physical Indicators Present in the flow? ☐ Yes ☐ No *(If No, Skip to Section 5)*

INDICATOR	CHECK IF Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight	☐ 2 – Some	☐ 3 - Obvious

Water level checked with Doppler velocity gauge

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☑ Yes ☐ No *(If No, Skip to Section 6)*

INDICATOR	CHECK IF Present	DESCRIPTION
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:
Excessive Vegetation	☐	
Poor pool quality	☑	☐ Odors ☑ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☑ Other: grey bubbles
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:

Bubbles from pools.

Section 6: Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Section 7: Notes

NE

T °C	pH	Eh (mV)	TDS (mg/L)	ORP (mV)
20.5	7.85	430	625	846

SW 183 7.97 49[illegible] 721 1024