# Bennington Drive - October 2015

## Section 1: Background Data

| | | | |
|---|---|---|---|
| Subwatershed: SLIGO | Outfall ID: Bennington | Today's date: 10/23/15 | |
| Time (Military): 11¹⁰ | Investigators: PdR | Photo #: | |
| Nearest Street Address: BENNINGTON | 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: D'TOWN SS | Notes (e.g., origin of outfall, if known): | | |

## Section 2: Outfall Description & Quantitative Characterization

**LOCATION**
- ☑ Closed Pipe
- ☐ Open drainage ☐ Concrete ☐ Rip-rap ☐ Earthen ☐ Other: ____
- ☐ In-Stream

**MATERIAL**
- ☑ RCP
- ☐ Steel
- ☐ CMP
- ☐ PVC
- ☐ HDPE

**SHAPE**
- ☑ Circular ☐ Single
- ☐ Elliptical ☐ Double
- ☐ Box ☐ Triple
- ☐ Other: ____ ☐ Other: ____

**DIMENSIONS (IN.)**
- Circular, diameter: ____
- Box: h - ____ w - ____
- Elliptical: h - ____ w - ____

**SUBMERGED**
- In Water: ☑ No  ☐ Partially  ☐ Fully
- With Sediment: ☑ No  ☐ Partially  ☐ Fully

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

| PARAMETER | RESULT | UNIT | EQUIPMENT |
|---|---|---|---|
| Ammonia  SA10 | 0.24 | mg/L | La Motte 1200 |
| SA11 | 0.22 | | |

*Chemel bottom covered by silt and/or iron algae*

## 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 |

*Scum on water — Suds + leaves?*

## 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: |
| Pipe benthic growth | ☑ | ☑ Brown  ☑ Orange  ☐ Green  ☐ Other: |

## 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

| | T(°C) | pH | TDS(mg/L) | Sal (ppm) | Cond (uS) | |
|---|---|---|---|---|---|---|
| SA10 | 17.10 | 7.83 | 1039 | 733 | 1458 | Annoyed Blue Jays  Adult frog at |
| SA11 | 15.84 | 7.87 | 1043 | 784 | 1493 | edge of pool |

SAPO ≈ 5 gpm    SA11 – trickle flow