**WATER QUALITY SCREENING FORM**

|  |  |  |  |
| --- | --- | --- | --- |
| Outfall I.D. |  | | |
| Outfall Location |  | | |
| Inspector’s Name |  | | |
| Date of Inspection |  | Date of Last Inspection |  |
| Start Time |  | End Time |  |
| Type of Inspection: Regular  Pre-Storm Event  During Storm Event  Post-Storm Event | | | |
| Most Recent Storm Event |  | | |

**FIELD WATER QUALITY SCREENING RESULTS**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sample Parameter** | **Field Test Kit or Portable Instrument Meter** | **Benchmark** | **Field Screening Result** | **Full Analytical Required?** |
| Ammonia1 |  | > 50.0 mg/L |  | Yes  No |
| Boron1 |  | > 0.35 mg/L |  | Yes  No |
| Chloride2 |  | 230 mg/L |  | Yes  No |
| Color1 |  | > 500 units |  | Yes  No |
| Specific Conductance1 |  | > 2,000 μS/cm |  | Yes  No |
| Detergents & Surfactants3 |  | > 0.25 mg/L |  | Yes  No |
| Fluoride3 |  | > 0.25 mg/L |  | Yes  No |
| Hardness1 |  | < 10 mg/L or > 2,000 mg/L |  | Yes  No |
| pH1 |  | < 5 |  | Yes  No |
| Potassium1 |  | > 20 mg/L |  | Yes  No |
| Turbidity1 |  | > 1,000 NTU |  | Yes  No |

1 – *Illicit Discharge Detection and Elimination: A Guidance Manual for Program Development and Technical Assessments*, Center for Watershed Protection and Robert Pitt of University of Alabama, 2004, p. 134, Table 45.

2 –*Env-Ws 1703.21 Water Quality Criteria for Toxic Substances*, State of New Hampshire Department Surface Water Quality Regulations.

3 – *Appendix I – Field Measurements, Benchmarks and Instrumentation*, Draft Massachusetts North Coastal Small MS4 General Permit, 2009.

**FULL ANALYTICAL TESTING WATER QUALITY RESULTS**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sample Parameter** | **Analytical Test Method** | **Sample Collection (Time/Date)** | **Testing Lab** | **Analytical Testing Result** |
| Ammonia | EPA 350.2/SM4500-NH3C |  |  |  |
| Bacteria | E coli: 1103.1; 1603  Enterococcus: 1106.1; 1600 |  |  |  |
| Boron | EPA 212.3 |  |  |  |
| Chloride | EPA 9251 |  |  |  |
| Color | EPA 110.2 |  |  |  |
| Specific Conductance | SM 2510B |  |  |  |
| Detergents & Surfactants | EPA 425.1/SM5540C |  |  |  |
| Fluoride | EPA 300.0 |  |  |  |
| Hardness | EPA 130.1/SM 2340B |  |  |  |
| Optical Enhancers | N/A\* |  |  |  |
| pH | EPA 150.1/SM 4500H |  |  |  |
| Potassium | EPA 200.7 |  |  |  |
| Turbidity | SM 2130B |  |  |  |

\*- There is presently no USEPA Standard Method for analysis of optical enhancers. Typically, sample pads are described as with “Present” or “Not Present” for fluorescing dye when exposed to UV light or a fluorometer.