

# Flushing Creek CSO LTCP Recommendation



## TI-010\*

**Recreational Season Disinfection  
at Influent Screens & Regulator Chamber DC5**  
(May 1<sup>st</sup> to October 31<sup>st</sup>)



### Benefits

- Provides disinfection of 379 MG/Y and results in:
  - Annual Fecal Reduction of 15% (449 x10<sup>13</sup> total organisms)
  - Annual Entero Reduction of 25% (119 x10<sup>13</sup> total organisms)
- Provides disinfection of tank bypass flows
- Minimizes footprint; disinfection equipment can be installed at existing site

### Challenges

- May require control structure, such as a gate, at the end of outfall to provide sufficient disinfection contact time
- Potential residual chlorine issues

**Estimated Construction Cost = \$2 Million**

**Operation & Maintenance = \$350,000 per Year**

## TI-011\*

**Recreational Season Disinfection  
Downstream of Regulator 9**  
(May 1<sup>st</sup> to October 31<sup>st</sup>)



### Benefits

- Provides disinfection of 206 MG/Y and results in:
  - Annual Fecal Reduction of 36% (1,078 x10<sup>13</sup> total organisms)
  - Annual Entero Reduction of 25% (119 x10<sup>13</sup> total organisms)
- Maximizes use of existing infrastructure
- Utilizes gravity, no effluent pumping
- Cost effective; no retention tank is needed

### Challenges

- May require control structure, such as a gate, at the end of outfall to provide sufficient disinfection contact time
- Potential residual chlorine issues
- May require site acquisition

**Estimated Construction Cost = \$5 Million**

**Operation & Maintenance = \$300,000 per Year**



- ✓ Continue to invest in water quality improvements through the Green Infrastructure Program
- ✓ Initiate post-construction compliance monitoring
- ✓ Establish a wet-weather advisory during the recreational season

**\*Note:** Provisions for floatables control to be evaluated during design for both TI-010 & TI-011