



Watermain Disinfection Checklist for Contractors & Subcontractors

Check & Verify whether you meet the minimum requirements to proceed with the project

General Requirements

Contractor: _____

Contact Name: _____

Phone: _____

Email Address: _____

Projected Start Date: _____

- MECP Certified Operators with minimum Class 1 Drinking Water Operator Certificate

Working knowledge on

- Safe Drinking Water Act
- Ontario Watermain Disinfection Procedure
- AWWA C651-14 or most current version
- AWWA C655-18 or most current version
- City of Vaughan's Appendix Q
(New Watermain Commissioning Requirements)
- City of Vaughan's Water By-Law (177-2016)
- City of Vaughan's BFP By-Law (177-2020)
(Backflow Prevention)

Awareness of Vaughan's Water System

- Municipal Drinking Water Licence Conditions
- Drinking Water Works Permit (DWWP) Conditions

Equipment & Documentations

- Record Keeping (Accurate & legible)
(All stages of Commissioning)
- Calibrated testing kits/equipment used
(Calibration records available upon request)

Disinfection Plan / Sketch

Site Location

- Project Name & Number, Phase #
- Municipal Address

Site Information / Commissioning

- Watermain information
(Pipe material, size, type, length)
- Appurtenances information
- Identify Feed (Source Water)
- Proper size By-Pass & Discharge
(Ex: 4" BFP requires 4" By-Pass Connections & 4" discharge point)
- Anticipated Flushing rate
- Scouring Velocity will be Achieved
- Required Volume
- Discharge locations
(Identify any nearby watercourse, pond, river, creek, etc.)
- Details on Disinfection products
- Details on De-Chlorination agents
- Sample Locations (City Standards)
- Procedure to prevent contamination & ensure efficacy of disinfection
- Procedure to protect environment

Disinfection Process

- (BFP Certification, Flushing, swabbing, cleaning, disinfection application & removal, sampling, etc.)
- Documentation / Record Keeping
(All Stages)