Disinfection and Water Quality Testing Plan (DWQTP)

Building ID	
School Name	
Address	
SCA Project ID, Design ID or LLW #	
Date	
Revision #	
General Contractor (Co. Name, Contact Person & No.)	
Plumbing Contractor (Co. Name, Contact Person & No.)	
Disinfection Contractor (Co. Name, Contact Person & No.)	
Environmental Consultant (Co. name, Contract Person & No.)	

Project Description

Project Phase (Enter Phase and # of Total Phases)	
Project Type (CIP or Capacity)	

Plumbing Scope (A separate DWQTP is required for exterior, interior and inactive potable water systems)

New Building	
Lease	
Inactive Building	
Alterations to Existing Interior Plumbing	
Repair to existing service connection	
Installation of new service connection	

Disinfection Scope

Disinfectant to be used (i.e., brand name, concentration of chlorine solution; note that use of chlorine gas is not acceptable)			
Select one:	☐> 50 ppm chlorine for 24 hour hold time	☐> 200 ppm chlorine for 3 hour hold time	☐1-5% chlorine (Service main only)

Disinfection Contractor Certifications

The Contractor confirms the following:	Initials/Date
Pre-disinfection site visit will only be initiated after the DWQTP is submitted and 90% of the potable water piping has been roughed in.	
Disinfection work will be performed only after obtaining written approval from the IEH Division and in the presence of a representative of the IEH Division.	
Newly-installed plumbing will be isolated from existing piping during the disinfection process	
Signs will be placed on each fixture/outlet during disinfection (Attachment D)	
Pre-disinfection flushing will be performed in accordance with 3.04 at a flow rate sufficient to remove all debris or sediment from new potable water piping in the presence of an IEH Representative	
All flushing activities will be logged (Attachment E)	
Disinfectant concentration and pH will be maintained during disinfection and measured each hour	
New plumbing will be installed without allowing soil and/or other material from entering the pipe	
Sample collection and handling will comply with applicable regulatory standards	
Samples will be analyzed by a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) certified laboratory using approved methods.	
All work will be completed in accordance with Specification 15420	
Results of the analyses will be provided to the IEH Division within 72 hours after sampling is complete	
The following attachments have been included: • Attachment A – Sample Summary Tables • Attachment B – Plumbing Diagram(s) • Attachment C – Disinfectant Safety Data Sheet (SDS) • Attachment D – Fixture/Outlet Signage • Attachment E – Flushing Log • Attachment F – Dip and Rinse Procedure and Certification Letter • Attachment G – Direct Replacement Procedure and Certification Letter • ELAP Certification	

Contractor has submitted the required Qualifications documentation as specified in 1.04A and received written approval from IEH HazMat for use of staff specified herein.	
Name of Approved Person(s) who will perform the Work on this project (include additional page, if required):	Date of NYCSCA IEH Approval:

Signature of DWQTP Preparer (Grade C Certified Water Treatment Operator)

I certify that this document and all attachments were prepared under my direction or supervision and the information is true, accurate, and complete. All field work will be performed with my oversight.	
Printed Name	
Signature	
Date (MO/DA/YEAR)	

Signature of Plumbing Contractor

I certify that this document and all attachments were prepared under my direction or supervision and the information is true, accurate, and complete.	
Printed Name	
Signature	
Date (MO/DA/YEAR)	

Attachments:

The following attachments are included:

A. Sample Summary Tables, including:
   - Number of fixtures and appliances in each work area/floor
   - Number of samples for each work area/floor

B. Plumbing Diagram(s) (riser and/or floor plan), including:
   - New/existing cold/hot potable water piping including lengths and diameters (with piping that is, and is not, subject to disinfection) clearly depicted with appropriate color coding.
   - Fixtures and appliance locations
   - Proposed locations of:
     --Isolation valve(s)
     --Valves and fittings for disinfection purposes
     --Injection point(s)
     --Discharge point(s)
     --Potable plumbing components (e.g., fittings) necessary to make final connections that will be disinfected by the dip and rinse procedure
     --Direct replacements
   - Sample locations with sample IDs

C. Disinfectant Safety Data Sheet
D. Fixture/Outlet Signage
E. Flushing Log
F. Dip and Rinse Procedure and Certification Letter
G. Direct Replacement Procedure and Certification Letter
H. ELAP Certification

Attachment A - Sample Summary Table

Sample Plan (building interior)

Location {floor):	#							
Work Area 1	Fixtures							
	Samples/Floor							
Work Area 2	Fixtures							
	Samples/Floor							
Work Area 3	Fixtures							
	Samples/Floor							

Notes:

1. A minimum of 2 samples per floor or 20% of the total number of fixtures is required
2. Sample locations should be representative of the entire work area

Sample Plan (building exterior)

Location	Type of Plumbing Component	No. of Components	No. of Samples