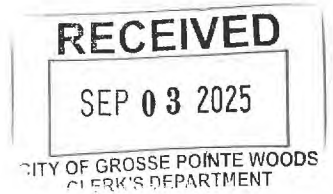


MEMO 25-24

TO: Frank Schulte, City Administrator
FROM: James Kowalski, Director of Public Services *J.K.*
DATE: September 3, 2025
SUBJECT: Residential Cross Connection Control Program



In order to maintain compliance with the Michigan Department of Environment, Great Lakes, and Energy (EGLE), formerly Michigan Department of Environmental Quality (MDEQ), Safe Drinking Water Act 1976 PA399 and Administrative Rule, rule number R325.11401-R325.11407 as amended pertaining to Residential Cross Connection Control Programs, the established program must be maintained by Grosse Pointe Woods and should consist of ongoing enforcement, awareness, education and training.

Based upon a review of the Cross Connection Control Program status, HydroCorp has prepared a proposal to meet the specific Residential Cross Connection Control Program needs of Grosse Pointe Woods and to continue to assist the City with the Cross Connection Control Program regulations and compliance for public water systems required by the State of Michigan.

Attached is a five-year proposal, reviewed by City Attorney Debra Walling, based upon completing 780 inspections each year. HydroCorp is the only Michigan company who offers this specialized service and their performance over the last eleven years for our Commercial Cross Connection Control Program has been satisfactory.

Therefore, I recommend that a new five-year contract be entered into with HydroCorp, 5700 Crooks Road, Suite 100, Troy, MI 48098, to begin the City's Residential Cross Connection Control Program. The contract will include 780 inspections performed each year over the next five years at a cost of \$5,140.69 per month. The annual expense will be \$61,688.25 for fiscal years 2025/26, 2026/27, 2027/28, 2028/29, and 2029/30. The five-year contract will total \$334,123.46 for the period July 1, 2025 through June 30, 2030.

This is a budgeted item included in Water/Sewer account no. 592-537-975.395.

If you have any questions concerning this matter please contact me.

I do not believe any benefit will accrue to the City by seeking further bids. Approved for Council consideration.


Frank Schulte, City Administrator

8-3-25
Date

Fund Certification:

Account numbers and amounts have been verified as presented.


Steven Schmidt, Treasurer/Comptroller

9/3/25
Date



City of Grosse Pointe Woods



Project Plan



HydroCorp Turn-Key Program



Public Awareness Support

- Public awareness toolkit with templates to engage residents & stakeholders
 - Program Announcement Letters to Staff & Customers
 - Press Release Template
 - Sample Social Media Posts
- Educational Brochures
- Program Overview Videos
- Custom Webpage



Residential Interior Surveys

- Water customer schedules survey via online portal or customer support
- Survey completed in less than 30 minutes
 - Inspector does *not* go into kitchens, bathrooms, or private spaces
- Customer provided with educational brochure on common cross-connections & backflow preventers



Inspection Notice Example

*Lowfare, no-control program type: 50 Value*

RE: Finaly For Sample 4, 1024 of 12345 Sample 4

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1. The first step in the process is to identify the problem or issue that needs to be addressed. This involves gathering information and understanding the context of the problem.

1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific requirements of the task.

$\frac{1}{n} \sum_{i=1}^n x_i = \bar{x}$, $\frac{1}{n} \sum_{i=1}^n y_i = \bar{y}$, $\frac{1}{n} \sum_{i=1}^n z_i = \bar{z}$

Violation Notice Example

Cross Connection Control Inspection Non-Compliance Notice

John Smith
P.O. Box 123
Perfection 1234567

Print Date: 7/11/2019

RE: [FACILITYNAME] at [SERVICEADDRESS1]

Reference Number: J20-021-008

Dear Water Customer:

The purpose of the [ORGNAME]'s Cross Connection Control Program, as defined in Local Ordinance [ORDINANCENUMBER], is to help eliminate potential contamination of the public water distribution system. There are two required components of this program: 1) site inspection, and 2) testing of backflow prevention assemblies.

An inspection of your facility's internal water distribution system was completed on [LASTSURVEYDATE]. Inspectors reviewing your water system found certain ones that could pose a contamination threat to the public water distribution system. A list of requirements is enclosed.

Requirements on this list must be addressed using only State approved backflow prevention devices. A licensed plumber should be able to assess your facility and recommend approved backflow prevention devices. Some backflow prevention devices (assemblies) also require testing by a State Certified Tester. We suggest that the licensed plumber installing the testable assemblies also have the state certification to test assemblies. **All testable assemblies must be tested immediately at the time of installation.**

These requirements must be completed by [RESPONSEDATE]. After the requirements and devices have been installed (if applicable) please call the number below on or before the date listed above to schedule a compliance inspection. Failure to comply could result in discontinuation of water service.

To arrange for compliance inspection or if you require additional information, please contact HydroCorp at 1-844-652-7541 or visit their website at www.hydrocorp.com.

Order #	Device Type	Qty	Comment
1	AS-1	1	Install AS-1 backflow prevention device on all connections to the public water distribution system.
2	AS-2	1	Install AS-2 backflow prevention device on all connections to the public water distribution system.

Inspection Report

HYDRO

ZZ Sample-Com
Organization Inspections Conducted
Criteria: 5/1/2024 - 6/7/2024

Perkinsville

Inspection Summary:

Inspections Conducted:	0	Compliant:	0	Cancelled:	0	Initial Inspections:	0
Facilities Inspected:	9	Non Compliant:	0	Vacant:	0	Compliance Inspections:	0
Scheduled:	37	Rescheduled:	0	Inactive:	0	Reinspections:	0
To Be Scheduled:	0	Delayed:	0	Shutoff:	0		

Inspection Detail:

Facility Name	Service Address	Scheduled	Inspected	Type	Status	Inspector
UMA Car Wash	555 Main	05/16/2024	05/16/2024	Re-Inspection	Scheduled	Sample Sync
Green K. Sam's Co.	123 St.	05/16/2024	05/16/2024	Initial Inspection	Scheduled	Sample Sync
170 Gas Station	555 Main	05/23/2024	05/23/2024	Re-Inspection	Scheduled	Sample Sync
7 Main LLC ED K	7 N Main St	05/23/2024	05/23/2024	Initial Inspection	Scheduled	Sample Sync
Easy Bake Desserts	1219 Bakers Avenue	05/30/2024	05/30/2024	Re-Inspection	Scheduled	Select Your Name
Inspector Training - A	123 Train St.	06/04/2024	06/04/2024	Initial Inspection	Scheduled	Sample Sync
Inspector Training - C	125 Town St.	06/04/2024	06/04/2024	Initial Inspection	Scheduled	Sample Sync
Jimbo's Liquor	12345 Drunkard Ct	06/04/2024	06/04/2024	Re-Inspection	Scheduled	James Simon
K-Tech Corp	21111 Worm RD	06/04/2024	06/05/2024	Re-Inspection	Scheduled	Select Your Name

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Violation Report

1. 5. 11. 16

ZZ Sample Code
Violations
Circumstances
Circumstances

Wetzel

Exercises

Total Violations:	10
Total Facilities with Violations:	2

Keywords: *Self-esteem, self-esteem threat, self-esteem threat, self-esteem threat, self-esteem threat*[illegible]

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Address/Device Report

HYDROCORE

(TU) Dental Clinic
555 Main
Sample

DeLacorte

Cross Connection Control Program

Backflow Preventer Summary:

Count of Existing:	7	Initial Inspection Date:	02/14/2017	Last Notice Sent:	None Given
Count of Required:	7	Last Inspection Date:	02/14/2017	Last Notice Date:	12/15/2017
Inspection Freq:	12	Current Survey Status:	Not Completed	Facility Type:	Dental

Existing Backflow Preventers:

Ord #	Device Type	Protection	Manufacturer	Model #	Serial #	Size	ROP	Last Test	Comments
4	RBP	Reservoir	Hydram	Hydram		1			Reservoir failure (2) and (3) (A)
5	R/S	Spring	Hydram	Hydram	1042217	1			Spring System (2) and (3) (A)
6	HS/SB	Quartz	Hydram	Hydram		2			Quartz System (2) and (3) (A)
7	AS	Quartz	Hydram	Hydram		2			Quartz System (2) and (3) (A)
8	AG	Quartz	Hydram	Hydram		2			Quartz System (2) and (3) (A)
9	HS/SB	Quartz	Hydram	Hydram		2			Quartz System (2) and (3) (A)
10	AS	Quartz	Hydram	Hydram		2			Quartz System (2) and (3) (A)

Required Backflow Preventers:

Ord #	Device Type	Protection	Size	Comments
1	RBP	Reservoir	1	Reservoir failure (2) and (3) (A)
2	R/S	Spring	1	Spring System (2) and (3) (A)

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Project Fees

5 year agreement – 10 year frequency

Annual Inspections	# of Months	Monthly Cost	*Year 1 Cost	Total Cost
780	60	\$5,140.69	\$61,688.25	\$334,123.46

650 initial
130 compliance

Annual Cost per Connection: \$10.23
Monthly Cost per Connection: \$0.86

**Pricing based on 5-year commitment with 4% increase annually
*10-year inspection frequency
*see proposal document for additional details
Proposed pricing is valid for 90 days from the receipt of this proposal.

Project Fees

5 year agreement – 5 year frequency

Annual Inspections	# of Months	Monthly Cost	*Year 1 Cost	Total Cost
1560	60	\$10,281.38	\$123,376.50	\$668,246.91

1300 initial
260 compliance

Annual Cost per Connection: \$20.56
Monthly Cost per Connection: \$1.71

**Pricing based on 5-year commitment with 4% increase annually
*5-year inspection frequency
*see proposal document for additional details
Proposed pricing is valid for 90 days from the receipt of this proposal.

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15

Questions/Next Steps

- Engage additional stakeholders
- Collaborate on mutually agreed project plan
- Talk through budget process
- Establish target timeline

At HydroCorp, we are committed to excellence in service and technical expertise that sets us apart as a trusted partner in protecting drinking water for communities nationwide.