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Emergency Response Plan

for

Public Water System Name:

Water Commissioners Town of Waterford

Public Water System I.D. Number:

NY 4500173

Prepared by: Michelle Todd

Title: Assistant General Manager

Signature:

Date Completed: 2026

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3. SYSTEM INFORMATION

A. System Demand

Public Health Law Section 1125(2)(c) requires the plan to include the system capacity and ability to meet peak demand and fire flows concurrently.

System capacity is the daily amount of water that the system is approved to treat and distribute (refer to the system's water supply permit/approved design capacity of treatment plant). Average daily demand is the system's average daily usage based upon operational records maintained during the past several years. Maximum daily demand is typically the highest daily demand experienced in recent years based upon operational records. Peak water demand is the maximum hourly demand that the system can sustain provided by storage or by production capability plus storage; and still meet average daily demand. Attach any available fire flow data for fire hydrants based upon guidelines published by the ISO (Insurance Services Office) http://www.iso.com.

System Capacity	3.5	**MGD**
Total Storage	1.83	**MG**

Average Daily Demand	1.0	**MGD**
Maximum Daily Demand	1.4	**MGD**
Peak Demand	146,000	**GPH**

Is the system able to meet peak demand and fire flows concurrently using existing production capacity and available storage?

▣ Yes ☐ No

If no, is sufficient additional water available through interconnections with other systems or other sources to meet peak demand and fire flows concurrently?

☐ Yes ☐ No ☐ Not Applicable

B. Infrastructure and Equipment

Describe your water treatment plant, pump stations, process controls, finished water storage, etc.

FACILITY	LOCATION	CAPACITY	ONSITE BACKUP POWER (SPECIFY)	BACKUP POWER CAPACITY(%)*
St. Mary's Tank and Pump Station	60 Middletown Rd.	1,000,000 gallons	Yes	100%
Main Office and Troy interconnection	127 Second St.	24" Water Main	Yes	100%
Cohoes Bridge Interconnect	3 Saratoga Ave.	10” Water Main	Yes	100%
Swatling Tank	247 Middletown Rd.	500,000 gallons	Yes	100%
Northside Tank	2 Valley View Ave.	330,000 gallons	Yes	100%
Troy Bridge Interconnect	Broad St.		N/A	

* Does backup power provide partial or full support (define in %)?

Public Health Law (PHL) Section 1125(3) requires water systems to submit their water supply emergency plans to the commissioner for review within thirty days after major water facility infrastructure changes have been made.

Have any major infrastructure changes occurred since the water supply emergency plan was last approved?

☐ Yes ■ No

Has the water supply emergency plan been updated to reflect these changes as required by PHL?

☐ Yes ☐ No ■ Not Applicable

2. DETECTION STRATEGIES

Section 2013 of AWIA requires the inclusion of strategies that can be used to aid in the detection of malevolent acts or natural hazards that threaten the security or resilience of the system. Below is a list of potential detection strategies. Indicate those strategies used by your system. Consider implementing those strategies not currently implemented.

Check the box next to the detection strategies currently used by your system:

- ☒ Intrusion detection alarms
- ☒ National Response Center notifications
- ☒ Notifications from emergency services
- ☒ Customer complaint surveillance
- ☐ Public health surveillance
- ☒ Utility staff notifications
- ☐ Automated IT and OT system intrusion detection monitoring
- ☐ Chlorine gas in air monitors
- ☒ Weather Service alerts
- ☐ Notification from U.S. Army Corps of Engineers
- ☒ Energy provider notification
- ☐ Line power sensor notifications
- ☒ Routine system sampling
- ☒ Routine patrols by utility staff or law enforcement
- ☐ Source water capacity monitoring (well water depth, reservoir level, etc.)
- ☒ Comparison of produced versus billed water volumes
- ☒ SCADA set point alarms (water level, chemical concentration, pump status, etc.)
- ☒ Fire/smoke alarms
- ☐ Other: _____
- ☐ Other: _____
- ☐ Other: _____
- ☐ Other: _____

Section IV Emergency Water Use Restrictions

1. EXPLANATION AND AUTHORITY

During periods of a drought, a major leak, a system failure, or excessive consumption beyond the capacity of the system, etc., the water system must have the capability to conserve and restrict water usage.

Specify which regulation allows water system to issue and enforce water conservation or restrictions:	▣	Water system or Village/Town/County code or regulation. Reference: Water Commissioners' Rules and Regs
	☐	Emergency declaration under NYS Executive Law Article 2B
Specify who has local authority to issue public notice for water conservation or restrictions:	Water Commissioners or their representatives.	

2. RESTRICTION STAGES

The following are the levels or stages of restrictions that will be applied, the conditions that generally will trigger them, and the types of restrictions that are applied. The conditions that trigger various restriction stages could be based upon critical source water levels indicated in Section II-2 or other conditions such as imminent loss of water or pressure.

RESTRICTION STAGE	STAGE TRIGGER(S)	RESTRICTIONS
I	Low Tank Levels (Voluntary)	Alternate Day Lawn Watering
		Lawn Watering between 10:00 pm & 3:00 am
		No Car Washing
II	Low Tank Levels for 24 hours or longer (Mandatory)	No Lawn Watering
		No Car Washing
		No Filling Pools
		No unnecessary uses
III	Major Equipment Failure (Total Ban)	No unnecessary uses of water
		Reduce industrial use of water