

September/October 2025 Monthly Operations Summary

City of Hartford – Drinking Water System

SUMMARY:

Certified Operator Services has completed routine monitoring, compliance, and operational activities at the City of Hartford IRP for September and October 2025, improving water quality leaving the plant and in the distribution system.

Water Quality Improvements

- **Increase chlorine dosage for oxidation to maintain a free chlorine residual after filtration and before post chlorination for disinfection** – Chlorine feed rates were adjusted to optimize iron oxidation and ensure a consistent disinfectant residual throughout the treatment process and distribution system. This change has resulted in improved chlorine stability and overall finished water quality.
- **Program and install auto-flusher controller at Four Winds Casino** – An automatic flushing controller was installed and programmed to improve turnover and maintain chlorine residuals at the distribution system's outer limits. This will support long-term distribution water quality consistency and reduce manual labor requirements.

Maintenance and Operations

- **System wide hydrant flushing and maintenance** – A full system flushing program was completed to remove accumulated sediments and ensure proper hydrant operation. The effort enhanced distribution flow, improved chlorine residuals, and verified hydrant functionality across the city.
- **Water tower inspection performed by Dixon Engineering** – Dixon Engineering conducted a detailed inspection of the water tower to assess coating conditions, structural integrity, and cathodic protection performance. Findings will guide future maintenance planning and help extend the tower's service life.
- **Increased distribution system water quality monitoring** – Additional sampling points were added to better track chlorine residuals, temperature, and aesthetic parameters throughout the distribution system. This increased data collection supports proactive water quality management and regulatory compliance.

Looking Ahead – November 2025

- **Respond to EGLE Sanitary Survey** – Draft and submit a formal response addressing identified items.
- **Continue distribution system monitoring** – Collect data to evaluate and maintain recent water quality improvements.
- **Schedule cathodic protection inspection** – Arrange testing of the water tower protection system to prevent interior corrosion

FLOWS:

- September 2025
 - Total – 6.276 MG
 - Max Daily – 0.313 MGD
 - Avg Daily – 0.209 MGD
- September 2024
 - Total – 6.17 MG
 - Max Daily - 0.243 MGD
 - Avg Daily - 0.206