

## **December 2025 Monthly Operations Summary**

### **City of Hartford – WWTP**

#### **1. EXECUTIVE SUMMARY:**

The WWTP operated normally throughout December, There were a few freeze-ups on the EQ tank motor which forced staff to operate the control gate manually. Key focus areas included ongoing UV system rehabilitation action planning, lab consistency improvements, and enforcement actions related to the IPP. Sludge hauling, grit removal system repairs, and flow-meter replacement were successfully completed.

- **Lab Updates**

- Expired chemicals have been inventoried, and we are waiting for a final quote for disposal.
- Still working through some constancy issues within the lab operation regarding standard practices and laboratory procedures.

#### **2. Regulatory and Compliance**

##### **IPP**

- City Manager issued a response to Amhwak's NOV response, outlining the required corrective actions.
- A six-month extension of Amhawk's discharge permit was issued and became effective January 1 (expiring May 31), with monthly sampling and reporting frequencies outlined.
- A new NOV is being drafted due to Amhawk's ongoing non-compliance with August's NOV.

##### **Mercury Monitoring**

- Mercury levels have decreased compared to recent months but continue to exceed the 12-month rolling average, requiring continued focus.

#### **3. Operational Performance**

##### **Process Operations**

- Routine monitoring and process control activities were carried out consistently at this time of year.
- Sludge hauling and land application were completed early in the month

##### **Flow Summary**

A detailed flow summary is included at the end of the report

#### **4. Maintenance & Infrastructure**

##### **UV System Rehabilitation**



- We began working with the UV equipment reps and manufacturers to help troubleshoot and gather historical operational information.
- Upstream process improvements and a full trial run are being worked up and planned to be run prior to restoring permanent operation.

#### **Equipment Repairs & Replacement**

- The grit removal system was being run in manual mode during normal operating hours. Staff brought in UISSCADA to troubleshoot and restore to automatic operation.
- Final Effluent flow meter failed and was replaced and programmed by UISSCADA

#### **5. Lab and Water Quality**

- Inventory of expired lab chemicals is complete; disposal quote pending.
- The team continues addressing inconsistencies in lab procedures and documentation to improve reliability and standardization.

#### **6. Industrial Pretreatment Program (Expanded)**

- Ongoing communication and enforcement action with Amhawk remain priority
- Updated permit terms require increased sampling and reporting frequency
- Preparations for issuing IPP survey letters to all non-residential customers are underway

#### **7. Staffing, Training, Certification**

- Increased formal training for City staff is recommended to support consistent operations, strengthen procedural adherence, prepare for certification exams, and system operation changes and reinstatements.

#### **8. January Priorities**

- Process Improvement to prep for UV test operation
- Continue procedural consistency improvements
- Distribute IPP survey letters to all non-residential customers

#### **9. FLOW DATA**

Period	Avg Daily (MGD)	Max Daily (MGD)	Total (MG)
Dec-25	0.133	0.217	4.129
Nov-25	0.110	0.150	3.312
Dec-24	0.126	0.161	3.906