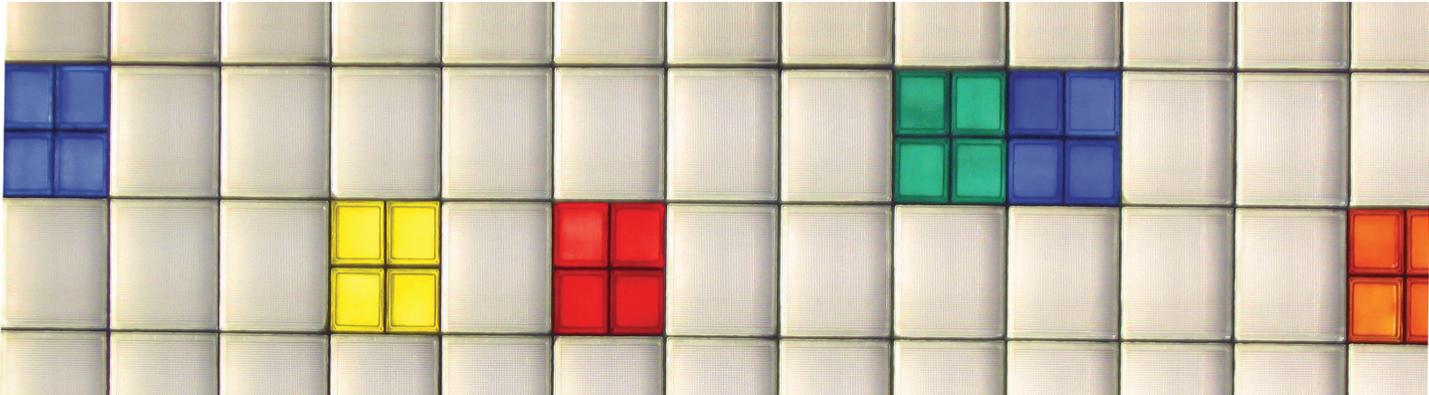


WTP Filter Gallery Windows, 1960's era glass block



CITY OF WYOMING UTILITIES DEPARTMENT QUARTERLY REPORT

2011

October through December

CAPITAL IMPROVEMENTS



Wyoming's Drinking Water Treatment Plant Superintendent, Jerry Caron (standing, far left), with Holland Board of Public Works representatives and Prein & Newhof engineers.

Emergency Interconnect Project

A pre-construction meeting for the Emergency Interconnect Project was held in November at the WTP. The overall project is divided into several contracts. Contract 2 includes the valve and meter station to be located at the WTP, and transfer pump improvements at the Holland Treatment Plant. General Contractor, Grand River Construction, is expected to begin work at the Wyoming site in early 2012.

Sedimentation Basin - Pretreatment Project

General Contractor, Allied Mechanical, reported that equipment demolition and removal continued on schedule throughout the quarter.

New pre-treatment equipment installation will begin after the first of the year, with project completion slated for April, 2012.



Left, sedimentation basin.

Middle, curb form fabrication.

Below, equipment demolition.



REGIONAL PARTNERS



Annual Wholesale Customer Meeting In December, wholesale water customers and various city staff were invited to the Water Treatment Plant for the annual Wholesale Customer Meeting.

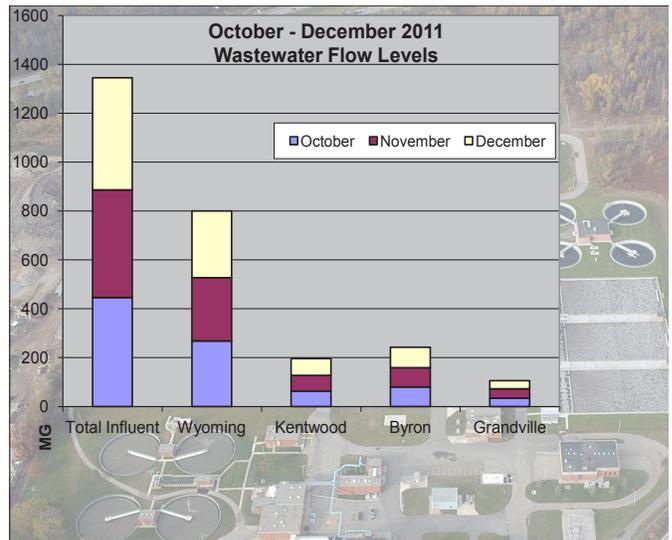
Plant staff presented informational updates on significant treatment process improvements and the transmission main dewatering project.

Mayor Pro-tem, Sam Bolt (pictured top, far left) joined in welcoming the visitors. Several groups toured the facility following the breakfast meeting.

Wyoming City Council authorized an amendment to the 2006 Wastewater Disposal Agreement with Byron and Gaines Townships in October. The amendment provides for an additional connection to the Wyoming sewer system in 56th Street, just west of Wilson Avenue. The area continues to see residential and industrial growth.

All other wholesale customer community contracts were also approved over this same time period.

CLEAN WATER PLANT



Centrifugal Pump Remediation



Pump repair and rust removal in progress.

Maintenance staff worked throughout the quarter to assess conditions and make necessary repairs to equipment in the 1970's-era pump gallery. With the completion of the Stage II expansion project, this equipment and the clarifier basins they serve are used infrequently; mainly during high flow, to accommodate required treatment retention and emergency process needs.

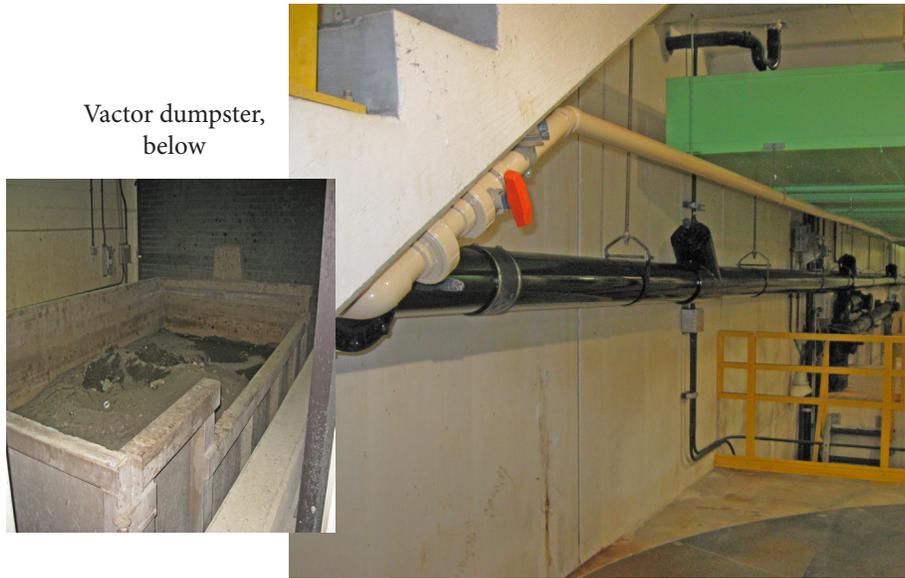


After pump repair and base refurbishment.

Rusted bases on several of the four centrifugal pumps had caused significant misalignment of the motor and pump. Staff completed repairs to two pumps, which included replacing valves and impellers, using parts from other spare equipment. A fresh coat of paint finished off the project.

CLEAN WATER PLANT

CONTINUED...



Vactor dumpster,
below

The vactor dump site, located in the Headworks Building, is frequently used to dispose of waste collected from catch basins, wet wells and other structures throughout the collection system.

To improve drainage in the dumpster, maintenance staff replaced the ductile iron drain pipe with PVC piping, (black pipe at left) and installed a flushing line to the drain.

Great Lakes Task Force - Regional Program Model Endorsed by City Council

Environmental Services Supervisor, Dave Oostindie has worked extensively with other state representatives and the Product Stewardship Institute, to develop a regional model for organizing and implementing pharmaceutical collection and disposal programs. In partnership with Kent County, the City of Wyoming helped to expand what began as “WyMeds” (the city of Wyoming’s pilot program) into neighboring counties. This December, the City Council formally endorsed the “Key Elements of Pharmaceutical Collection and Disposal Programs: A Vision for the Great Lakes Region.” The goal is to expand effective pharmaceutical collection and disposal programs which protect public health and the environment. The regional project partners continue to provide input and commentary as the federal government finalizes the Safe and Secure Drug Disposal Act of 2010.



Environmental Services

Ongoing water sampling and monitoring took place throughout the plant and collection system, to identify industries which may need assistance from the Environmental Services staff. Complying with sewer use limits and helping the Clean Water Plant remain in compliance with state and federal discharge regulations, is the goal.

Environmental Services staff reported lower penalties issued over the quarter. Increased use of the on-line industrial sewer user survey was helpful to staff in determining inspection and permitting requirements for new businesses.

DRINKING WATER TREATMENT PLANT



Above, WTP maintenance crew set up the dechlorination tank and equipment.

Right, Dykema Excavators performed the pipe valve replacement.



Transmission Main Repair Project

Coordinated efforts between the WTP staff, Holland Charter Township, and contractors, ensured success for the planned repairs along the 42" water transmission main this fall.

Plant staff fabricated, tested and implemented specialized dechlorination equipment to properly drain and discharge water from a section of the 42" transmission watermain. Laboratory staff performed necessary water sample analysis to verify NPDES compliance and water quality assurance, once the water main was back in service. Steps were taken to minimize disruption of water service to customers in the Township. Water production was maintained to Wyoming by way of the redundant 54" water transmission main along New Holland Street.

DRINKING WATER PLANT, CONTINUED....

Standby Power and Storage

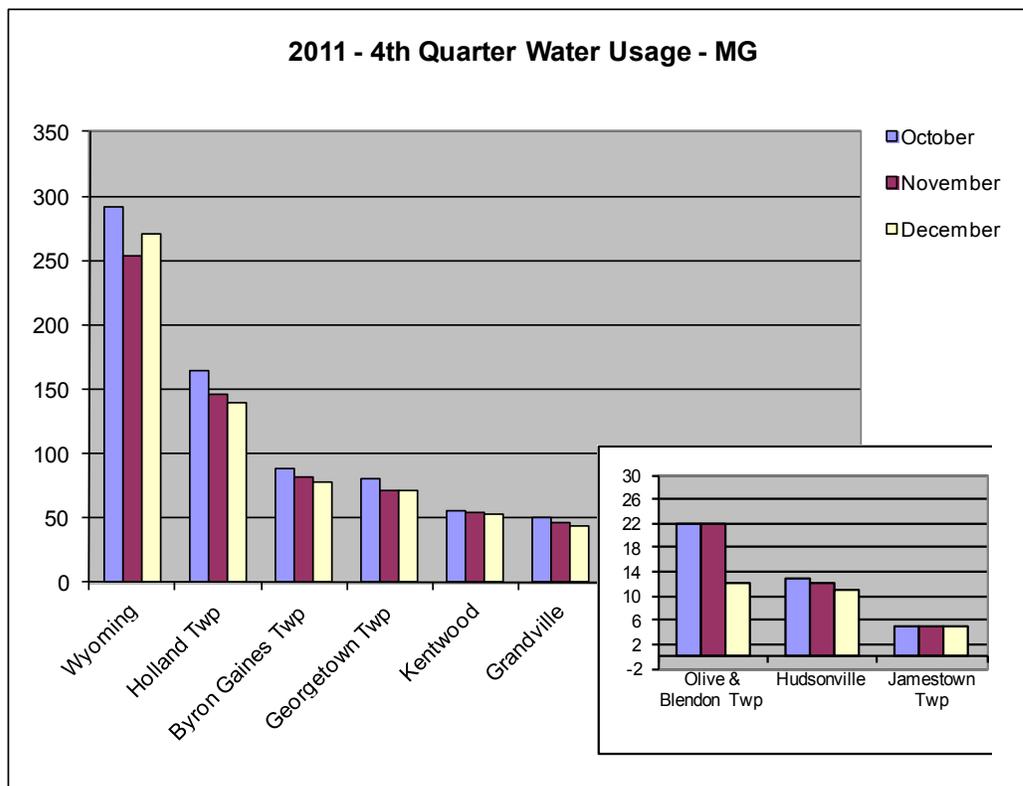


The plant's standby power generator building was used to house files, equipment, office furniture, parts, and other surplus items, throughout the plant expansion project.

The building houses two 2.5 MW diesel generators which are regularly exercised in order to maintain emergency power readiness. In November, during a regular generator start-up, maintenance staff discovered a cooling liquid leak which necessitated approximately \$20K in repair and replacement parts.

In preparation for the repair work by Cummins Bridgeway, maintenance staff organized, sorted and moved stored items from the generator building. The contractor completed the repairs to one generator and replaced cooling plate gasket material on the second generator to prevent a similar leak in the future.

Not only were the standby power generators returned to ready state, but clean-up of the storage areas resulted in more efficient use of available storage space and effective parts and equipment inventory and retrieval.



METER SHOP ACTIVITIES



Meter Replacements = 190
New meter installations = 18

Meter Shop staff are called upon to perform re-reads within the water service system in various instances when a meter reading is incomplete or invalid. Although the Meter Shop staff was reduced by one position this quarter, (with Jason Bartram moving to CWP-maintenance), remaining staff were still able to concentrate on meter replacements, installations and water quality issues.

Utility Billing staff continued to monitor improved meter reading activity from contracted service provider, Etna.

GPS Project Update

The Cross-connection Team continued to gather stop box data for the ongoing Utility GPS project. With approximately 80% of the locations surveyed, staff will work on gathering more information from commercial corridors, apartment complexes and condominium sites.



Water pipeline data was also gathered this quarter, and will be uploaded and edited prior to making information available on the REGIS live data system, sometime in 2012.

UTILITY PERSONNEL

Staff Training and Professional Development this Quarter:

Water Environment
Federation Technical
Education Conference
(WEFTEC)

MI-AWWA's Regional
Meetings and Chair Retreat

MP2 - Maintenance
equipment management,
scheduling, and inventory
software system

Water Quality Tech
Conference and Expo -
Laboratory

Water and Wastewater
Process Management

Allen Bradley Logix 5000

EPA Water Contamination
Workshop

MWEA "Tools of the Trade"
Maintenance Seminar

"From Staff to Supervisor"
Workshop

MWEA Watershed Seminar

Joe Johnson, CWP Operator

Joe graduated from Bay de Noc
Community College in May 2011, with an
Associates Degree in Applied Sciences
- Water Resource Management.
His hometown is Perkins, MI.



*Jason Bartram, left,
formerly Maintenance II
at the Meter Shop, joined
the CWP Maintenance
Department as a UMI,
in October. Jason has
worked for the City for
four years.*

*Gary Curtiss, right,
joined the WTP as a
UMI in October.
He has 20 years
experience in the
beverage industry and
a degree in electronics
engineering. Gary is
originally from Lansing.*



COMMUNITY OUTREACH ACTIVITIES



Environmental Services staff distributed public education material at Lee High School's Community Health Fair.

National Drug Enforcement Administration's Take-Back Initiative

Environmental Services staff coordinated collection and disposal of medicinal waste during the third National Drug Enforcement Administration sponsored event this fall. A collection site at the City's Police Department and another at Metro Hospital, allowed Wyoming residents to contribute to the more than 188 tons of unwanted or expired medications collected throughout the country.



Godfrey-Lee School Presentation

Clean Water Plant Superintendent Craig Smith, (far left above) is pictured with 5th Graders from Godfrey-Lee Elementary. Teams of students presented findings from experiments they conducted to learn about the effects of common pollutants on the environment.



Mayors' 8th Annual Grand River Clean Up

Wyoming again partnered with West Michigan Environmental Action Council, Grand Rapids Young Professionals, and the Mayors of Grand Rapids, Walker, and Grandville for the "Eighth Annual Grand River Clean Up" event which was held on Saturday, October 1st.

Wyoming's Environmental Services group provided a shelter and distributed public education material to approximately 450 participants at the 6th Street Bridge Park staging area.

Volunteers from the sponsoring communities were transported by shuttle bus to various locations in Grand Rapids, Walker, Wyoming, and Grandville to remove trash from over 12 miles of riverbank.

Facility Tours



GVSU Nursing Students - CWP

Our environmental message reached over 240 tour participants this quarter.