WILSONVILLE
PUBLIC WORKS

AUGUST 2025

Monthly Report

From The Director's Office:

On the warm summer evening of August 21, the Public Works Department in partnership with Veolia Water North America– West (Veolia), set up a table the Party in the Park event to inform the public about the Willamette River Water Treatment Plant (WRWTP). Veolia has operated and maintained the WRWTP for over 25 years since the plant startup in April, 2002. The WRWTP, City and Veolia are consistently recognized as an 'Outstanding Performer' by the Oregon Health Authority—Drinking Water Program.

The display focused on how source water is processed through filters to provide safe, reliable water. There was a hands-on activity for participants to built or test water filters made from paper filters, sand, gravel and granular activated carbon placed in a cup.

Veolia Project Leader, Kim Reid, organized the materials for the event. Zach Shelley, Veolia Maintenance Manager, and Rodney Lance, Veolia Regional Vice-President, assisted over 100 children with pouring 'dirty' water created from coffee grounds, sesame seeds and ground flax into the different filters to see how well it 'cleaned' the water.

It was a fun and informative event.

PUBLIC WORKS

FIRST RESPONDER

Best Regards,

Delora Kerber, Public Works Director

From The Director's Office. continued

Water Filtration Display at Party in the Park

Acknowledgment also goes to Veolia's summer intern, Michael Trevett from the operator training program, water environment technology (WET), at Clackamas Community College who created the display panel and an activity handout working in conjunction with Mayra Jimenez and Veolia's Public Outreach

team.

Utilities

Late Night Study Session

In August, the Water Treatment Plant performed a tracer study to determine the active water movement and disinfectant contact time within water treatment system. This study is designed to prove disinfection efficiency and overall performance. Two members of the Public Works Utilities team, Tim Steele and Randy Burnham worked overnight hours to facilitate this study. The assignment for the Utilities crew included flushing large amounts of water through various fire hydrants in different areas of the city to simulate maximum flow rate. The results of the test were very satisfactory, with the Willamette Water Treatment Plant successfully demonstrating its ability to keep up with the water demands for the City along with additional water needs in surrounding areas.

Utilities

Safety First

Many of the tasks tackled by the Sanitary Sewer Technicians require entry of a confined space—which is defined as a fully or partially enclosed area that is large enough for a person to enter but not designed for continuous human occupancy, and has limited entry and exit points. One of the ways the City keeps its staff safe is by having the safety equipment used for confined space entries inspected each year by an outside inspector. This year, equipment was inspected by Ritz Safety in Wilsonville. Any equipment deemed to present potential for compromise or failure is removed from service and repaired or replaced. Shown below is Utilities Sanitary Sewer Technician David Perfecto, working in a confined space to perform repairs to a manhole. David's teammate Luis Del Rio is above ground making sure David has everything he needs to perform his duties safely.

Facilities

Getting Bored at WES

Facilities Maintenance Specialists Luke McKinnon and Reynaldo Fuerte Pineda noticed trees and turf at the WES Transit Center were quickly turning brown in the late summer heat, despite being connected to an irrigation system. Spring construction projects in the area disturbed landscapes, giving the crew a sneaking suspicion that damage to the irrigation system must have taken place during the construction. Luke and Reynaldo exhausted every resource at their disposal, but could not find the source of the issue. Ultimately, a leak detection company was hired, and to the surprise of everyone, a leak was located well outside of the suspected location. Teaming up with Maintenance Technicians Konnen Bell and Trevor Denfeld, they where able to utilize the Vactor truck to excavate the area and find the issue—a contractor had bored directly through the irrigation main line while working on the Smart Break Room Fiber project. Once the excavation was complete Reynaldo made the necessary repairs and the irrigation was up and running once again.

Facilities

Community Center Parking Stops….Here

Patrons of the Community Center were unknowingly creating obstacles for the mowing crew to manage lawns at the facility by pulling too far forward in the parking spots. Occasionally cars extended so far beyond the curb line that irrigation was blocked and turf was declining. Facilities crews installed new parking stops to help guide drivers and protect City landscapes. Two new stops were also added to the ADA parking spaces, preventing signs from being bumped and repositioned accidentally by drivers.

Facilities

Dangerous Tree Removal

Maintenance worker Robert Todd and Supervisor Matt Baker were tasked with safely bringing down a large tree that was threatening to fall into the travel lane on Elligsen Road. The tree was reported to Public Works by an eagle-eyed community member driving near the wooded area. The tree had been dead for some time and the end of the tree was still attached to the stump, but showed signs of extensive rot. Supervisor Matt donned his safety gear and carefully cut the tree from the stump. Once the tree was free of the stump, a chain around the tree was hooked to the back of the utility truck and the tree drug away from the roadway and laid safely in the wooded area.

Roads

High Visibility

Dry weather allows the Roads team an opportunity to renew pavement markings, keeping both vehicle and bike travel safe. The work includes grinding away old markings and cleaning the road surface in preparation for the new markings. The markings are positioned as cold, pre-formed sheets, then heated to over 400 degrees and melted onto the roads surface. The high heat causes reflective beads in the material to distribute uniformly through the product, ensuring even wear. This work requires the Roads team to have a high level of skill and training to ensure longevity of the markings. Be on the lookout for these new applications on Wilsonville Road at Boeckman, heading west.

Roads

Water, Water Everywhere

While landscape irrigation may not seem like a Roads division duty, there are many irrigation systems along City roadways that are overseen by the Roads division. Shown here is an extensive irrigation repair on the corner of SW Barber and Kinsman. This repair was in conjunction with private construction in the area and required installing new irrigation pipe and wiring repair on the valves, shown below.

Stormwater

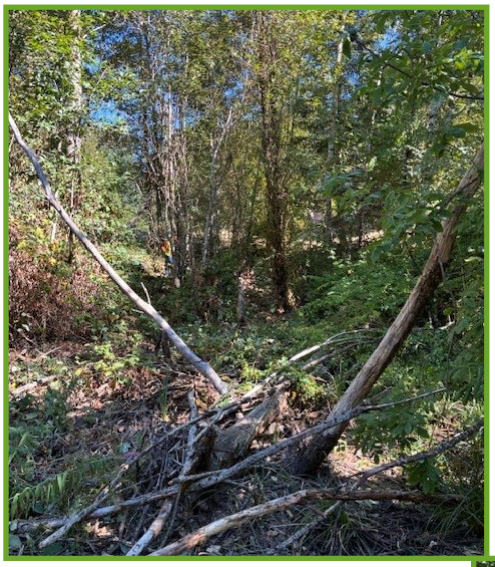
Season of Opportunity

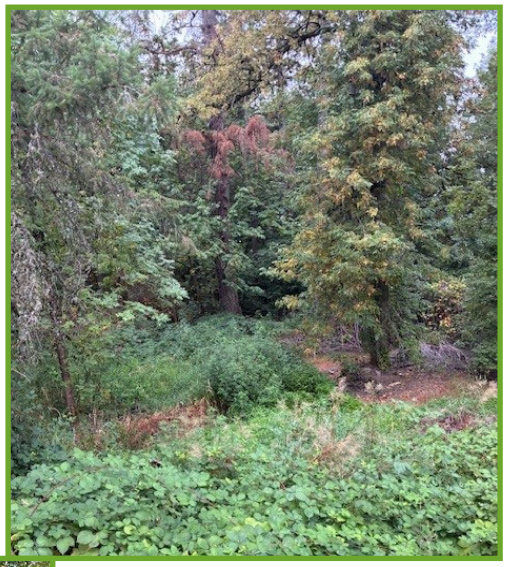
Dry weather allows the Stormwater team to address in-stream stormwater system improvements before the onset of the rainy season. The primary focus this year is making improvements to publicly owned ponds and swales. These water collection areas tend to get overgrown with invasive species that are carried in along with water runoff. August included maintenance of stormwater treatment swales along Coffee Lake Drive, the pond at the Wilsonville Library, and various right-of-way ditches.

Stormwater

Nearly Unrecognizable

One of the largest projects completed in August was the clearing out of over 40 yards of debris from the stormwater pond located on Parkway Avenue adjacent to the Shriners' property. This pond is over an acre in size; and in addition to significant clearing of overgrown vegetation, required reestablished grading to allow for proper stormwater runoff and treatment. The photos below show the property before and during the teams efforts.





Stormwater

Ta Da!

'After' photos reveal the dramatically improved Parkway Avenue pond property after several days work by the Stormwater team. What a difference a week makes!