



PUBLIC WORKS OPERATIONS

MONTHLY ACTIVITY REPORT

May 2018

BCTP/WASTEWATER

Odor Scrubber 4/12/18	Operations staff replaced carbon media in odor scrubber
Carbon Duct Heater 4/13/18	Macabee Industrial Inc. replaced carbon duct heater
Lab Practices 4/13/18	PADEP Bureau of Labs conducted a routine audit of the treatment plant's lab practices, policies and procedures. No major issues were noted. A final report is pending from the Department.
High Flow Event 4/16/18	A high flow event prompted staff to operate the plant from 11 p.m. Sunday through 12 a.m. on Tuesday (total rainfall 1.48 inches).
Odor Complaints 4/22-24/18	Plant staff received several odor complaints from residents of <i>Woodbine</i> and <i>The Links of Cranberry</i> . It is suspected that some may have been attributed to the carbon media change out and primary clarifier misting system being off-line due to cold weather. All systems are currently operating as designed.
Basin #3 4/22/18	Operators installed a new D.O probe on basin #3, zone 2
Bioreactor #3 5/6/18	The auto dialer alerted staff at 2:00 a.m. with an all blower failure alarm. Upon arrival, it was discovered that a main air header valve on bioreactor #3 had closed past its minimum setpoint and caused the blowers to trip on over-pressure. The valve is being troubleshot by the vendor.
Chemical Feed Building 5/7/18	The mechanical contractor accidentally drilled into power conduit for chemical feed building; resulting in tripping the main feeders for the front half of the plant and dropping off power the chemical sump pumps. The electrical contractor ran temporary wire for the sumps and relocating the in-floor conduits is under investigation.
Briar Creek Pump Station	No Operational Problems
Franklin Acres Pump Station	No Operational Problems

BCTP - continued

Wolfe Run Pump Station 5/7/18	Pump #2 was removed for evaluation and repair
Water Supply	No Operational Problems

GROUNDS

Activity Throughout	Completion of Dog Park construction
	Completion of Waterpark second entrance
	All opening tasks for the Waterpark
	Scheduled fertilizer applications to lawns and athletic fields
	Full seasonal staff on-board; operating 7 day/week coverage of parks
	Weekly mowing and trim of 175 acres of turfgrass
	Ongoing construction of North Boundary Park playground

STREETS & FLEET

Road Construction Crew -	
Darlington Rd Upgrade	Road and storm water improvements are being completed ahead of the FDR process and paving program.
Pool Restroom Upgrade	Worked with Facilities to reassemble bathroom fixtures in the locker rooms
Boom Mower	Started boom mowing operations in the east side of the township and will continue to mow as manpower is available.
Resurfacing Program - Basin repairs	Several failing storm-sewer catch basins/pipes have been repaired on Siege Ct, LaGrande Dr, Bellford Ct, and Reedmore Lane. Most of these are part of the resurfacing program.
Salt Brine Truck Fill Station	Currently only one truck can fill at a time, so upgrades are being installed at the truck fill station which will allow multiple trucks to fill.
Fleet Maintenance -	
Bobcat 435 - Excavator	Repaired window roller assembly
Case Loader - #1	Delivered to Groff for diagnosis of engine exhaust burn off system
CAT 305.5 - Mini Excavator	Hourly service performed
Crafco Sealer - #1	Repaired burners
Crafco Sealer - #2	Repaired tires
Dodge - 1614	Analyzed drivetrain grinding noise – sent to dealership for repair
Dodge Chargers - 456 & 457	To dealership to front axle replacement
Ford Escape - 1719	Install wires for new flashing lights
Hauling - Stone	Worked with road crew hauling stone
John Deere - Boom Mower	Replaced hydraulic pump on new flail mower (Warranty)
Loader Operation - In PW Yard	Pushed up spoil dirt pile and stone deliveries multiple days
Mack - 1640	Replaced main air line
Peterbilt - 1626	Repaired suspension and broken exhaust pipes
Traffic Division - Assist	Worked with traffic to clear debris from Rt19 signal failure
Vehicle Set-Up - EMS	Assisted fire/EMS with moving vehicles for their training

Streets & Fleet (continued)

Preventive Maint. Prog.		State Inspections	
Cars	6	Cars	
Trucks	5	Trucks	7
Equipment	1	Trailers	3

Sewer & Water Field

Date	Job/Project Description
One Lee Drive 4/20/2018	S&W Field personnel along with a sub-contractor, State Pipe Services, Inc. stopped two infiltration leaks in a manhole at One Lee Drive in the Franklin Acres area. Nearly 15 gallons per minute of flow was stopped at this site.
Sanitary Sewer Main Lines 4/24/2018	Personnel along with a sub-contractor, State Pipe Services, Inc. cleaned sanitary sewer main lines in the Fox Run plan of homes, along Dutilh Road near Mars Road & Peters Road near Burke Road. Internal Inspection (CCTV Inspection) of the sewer main along Fox Run Road between Quail Drive & Fox Run Circle was conducted as well.
204 Woodridge Dr. 4/26/2018	Repaired a water leak on a ¾ inch service line at 204 Woodridge Drive in the Creekwood plan of homes. This line was struck by a horizontal drilling company working for Penn Power.
Sanitary Sewer Main Lines 4/26 & 27/2018	Personnel along with a sub-contractor, State Pipe Services, Inc. began cleaning sanitary sewer main lines in the Cranberry Commons Mall, Route 19 Cranberry Mall, & Interceptor Eleven (11) Freedom Road area along with the Cranberry Crossroads & knock-out developments off Route 228 & Rochester Square which was completed on June 9 th & 10 th .
20727 Rt 19/Fire 4/27/2018	Excavated, repaired & brought to finished grade the curb box at the 20727 Route 19, Cranberry Fire Company complex.
117 LaPorte Drive 4/30/2018	Personnel excavated & repaired a leak on the six (6) inch water main in front of 117 LaPorte Drive in Sun Valley plan. This leak was detected during a leak logger pilot program.
Meeder Farm 5/1/2018	S&W Field personnel stopped an infiltration leak in a manhole located along Interceptor seven at 20515 Route 19 – Meeder Farm. The leak was estimated at 10 gallons per minute.
107 LaPorte Drive 5/10/2018	Excavated & repaired a leak on the six (6) inch water main in front of 107 LaPorte Drive in the Sun Valley plan of homes.

Sewer & Water Field (continued)

81 Dutilh & 1737 Rt 228	Personnel brought to finished grade a manhole in front of 81 Dutilh Road as well as one in front of 1737 Route 228.
5/11/2018	
NB Park/ Penn Power Pavilion	Relocated the meter pit at the Penn Power pavilion within North Boundary Park in conjunction with the parking lot expansion project.
5/14/2018	
Fox Run Plan	Performed dye testing of all storm water lines that crossed over sanitary sewer lines to locate possible I&I locations in the Fox Run plan of homes.
5/15 &16/2018	
Sanitary Manhole I&I Investigation	S&W Field personnel continued with manhole inspection of manhole in the Fox Run plan, Canterbury Height plan and the Franklin acres area in attempt to locate possible I&I locations.
April & May	

Pretreatment

FOG PROGRAM	Upcoming FOG Users	➤ Starbucks (1713 Route 228, Ste M)
	FOG Updates	<ul style="list-style-type: none"> ➤ Cranberry Sports Grill hydro jetted 250 ft of their private sewer line and vacuumed two downstream manholes to remove FOG. ➤ Burger King, Panda Express, and Primanti Brothers made repairs to their FOG interceptors to improve efficiency.
I & I	<ul style="list-style-type: none"> ➤ Buffalo Wild Wings is to install inflow protectors on two manholes located on FOG interceptor ➤ Ice Box Creamery is to install clean out caps. ➤ Installed inflow protector at manhole located at Cranberry Elks Lodge. 	

Pretreatment (continued)

<p>Industrial Pretreatment</p>	<ul style="list-style-type: none"> ➤ Re-issued Kawneer's Permit for 2018-2019 ➤ C.U.E., Inc. will be added to Cranberry Townships permitted categorical users ➤ Inspected Preservation Technologies to evaluate if they need any wastewater pretreatment.
<p>Additional items</p>	<ul style="list-style-type: none"> ➤ Attended “<i>Solutions for Waste Reduction, Diversion, & Managing Food Waste</i>”. ➤ Participated in the <u>Seneca Valley Senior Project Judging</u>. ➤ Prepared activities for <u>Seneca Valley School Volunteer Day</u>.

Facilities

<p>Municipal Building</p>	<p>Rawal valves have been ordered to help keep the humidity levels in Customer Service, Police locker rooms and Council Chambers to a more comfortable level. These valves will allow us to run the cooling for extended periods without over-cooling the interior space. This extended run time will help remove excess moisture from the supply air effectively lowering the humidity to a comfortable level.</p>
	<p>Hoffman Painting will begin power washing the structural steel and metal awning of the front entrance overhang. We'll need to remove the bird netting for access underneath. The steel supports will be prepped for rust and repainted during this work. Clock tower repairs and repaint are also being included.</p>
<p>Johnson Schoolhouse</p>	<p>Work will begin again to scrape and paint the schoolhouse. Two new windows are being primed and painted for installation into the front of the school. Additional clapboard will be replaced in several of the outside walls.</p>
<p>WaterPark</p>	<p>The removal and re-installation of the wall hung commodes and toilet partition walls in the locker rooms is almost complete.</p>
	<p>The installation of a quartz epoxy floor has been completed. Several punch list items are underway to prepare for opening day.</p>
	<p>Startup of the pool heat pumps and concession kitchen equipment</p>

Facilities (continued)

Cranberry Highlands Clubhouse	A purchase order was issued for the replacement of a section of aluminum clad window sash. Water had infiltrated the cladding and severely rotted the wood.
Pre-School	Halo air purifiers are being installed into the pre-school classrooms. These are designed to kill airborne bacteria and viruses. They also kill the same on hard surfaces without the use of ozone or any other harmful process.
Training Center	Working with Vector Security for the installation of a fire alarm system to monitor the Public Safety Training Center. Quotes were obtained with Vector being the lowest bid.
Work Orders & Rm. Setups	Work orders, both reactive and scheduled, along with room setups are ongoing.