



PUBLIC WORKS OPERATIONS

MONTHLY ACTIVITY REPORT

August 2018

BCTP/WASTEWATER

ATAD Reactor 2A 7/16	Plant staff made repairs to ATAD reactor 2A feed valve actuator (new motor)
Odor Issue 7/16	Staff received an odor issue report from a resident on Eagle Drive
Headworks North Stair Tower 7/16	Plant operators demolished man door at the top of the headworks North stair tower and installed new door and frame
Air Diffuser Bioreactor #2 7/18	A broken air diffuser main drop in bioreactor #2 was discovered, staff is waiting for the MBR start up to drain the tank so that the Wayne Crouse can make the necessary repairs
Effluent Flow Meter 7/20	Plant staff troubleshot and recalibrated plant effluent flow meter
Auto-Dialer Main Pump Station 7/20	Plant operators installed a temporary auto-dialer at the main pump station so that the existing unit can be sent out for repairs
Power Outage 7/20	The plant SCADA auto-dialer alerted staff of a power outage at 7:00 pm., staff responded to reset numerous pieces of equipment. Some new equipment resets will be discussed and troubleshot with the contractors
GHD Assist 7/31	Plant staff assisted GHD in developing a punch list for the MBR building and worked on the generator load shedding plan
Auxiliary Pump Station 8/6	Staff replaced a deteriorated fan blade on aux. pump station sump pump motor.
Primary Clarifier #2 8/6	Troubleshoot Primary clarifier #2 drive unit
Briar Creek Pump Station	No operational problems
Franklin Acres Pump Station	No operational problems

BCTP - continued

Wolfe Run Pump Station	No operational problems
Water Supply	No operational problems

STREETS & FLEET

Road Construction Crew -	
NB Park Playground	Installed fence posts, graded topsoil at new sidewalk along with various other activities
NB Disc Golf Parking area	Excavated the area needed to create the new parking lot for the Disc Golf course.
Boom Mower	Continued with boom mowing operations in the east side of the township and will continue to mow as the manpower is available.
Darlington Rd	Landscaping completed – backfilled along entire length of roadway and hydroseeded.
Garvin, Peters & Burke Roads	Single seal coat applied by Russell Standard per the resurfacing program
Cranberry Highlands Cart Path Improvements	Working to complete the saw cutting, paving and crack sealing of the required repairs (over 6 miles of asphalt path) ahead of the contractor applying the seal coat later this fall.
Resurfacing Program	Folino is attempting to wrap up the items on the punch list so we can close out this contract.

Streets & Fleet (continued)

Fleet Maintenance (Scheduled) -	
Vehicle or Equip.	Description of Work
Athey Sweeper	Replaced blown hydraulic line and fluid, welded rear broom drag arm
Bobcat E-85 - Excavator	Replaced blown hydraulic line
CAT M318 - Excavator	Replaced leaking hydraulic lines, one battery, fuel line and pressure regulator
Chevy - 1705	Replaced leaking transmission lines
Dodge Charger - 456	Replaced bad AC pump
Dodge Charger - 468	Replaced leaking radiator
Ford - 1720	Replaced all 4 tires and driver's seat cushion
Freightliner - 1625	Engine overhaul at Penn Detroit – found antifreeze in the engine oil at #3 cylinder – engine is bad
International - 1611	Replaced leaking hydraulic line and fluid
International - 1708	Replaced rear axle brakes and drums
Multiple Recalls	Scheduling vehicles at various dealerships as the parts become available.
Peterbilt - 1629	Welded and repaired tailgate
Peterbilt - 1630	Replaced exhaust sensors
Peterbilt - 1641	Installed battery disconnect switch

Preventive Maint. Prog.		State Inspections	
Cars	23	Cars	17
Trucks	10	Trucks	0
Equipment	13	Trailers	5

Sewer & Water Field

Date	Job/Project Description
812 Megan Drive	S&W Field personnel excavated and repaired a damaged curb box at 812 Megan Drive in the Cranberry West plan of homes.
7/19/2018	
118 Queenswood	Excavated and repaired a four (4) inch water main leak near 118 Queenswood Drive in the Fernway plan of homes.
7/24/2018	
Rowan Road	Repaired a hydrant along Rowan Road near 201 Old Farm Road found leaking by the water distribution flushing crew.
7/30/2018	
Cranberry Springs	Personnel raised two (2) hydrants to finished grade in the Cranberry Springs Development.
7/31/2018	
Joyce Drive	Excavated and repaired a four (4) inch water main leak along Joyce Drive near 442 Woodcock Drive in the Cranberry West plan of homes.
8/1/2018	
I&I Flow Monitor QA/QC	S&W Field personnel along with a sub-contractor (TECsmith, Inc.) performed maintenance and calibration on the sanitary sewer I&I flow monitors throughout the Township.
8/2/2018	
Water Distribution System Leak Detection Survey	Personnel along with a sub-contractor (Municipal Management Corp.) began the Annual Water Distribution System Leak Detection Survey (WDSLDS). As of this printing, nine water leaks have been detected.
8/6/2018	
Jiffy Lube	Relocated the one-inch tap for Jiffy Lube at 20265 Route 19 in conjunction with the Cranberry Square Annex water main relocation.
8/14/2018	
222 Dorsay Valley	Excavated and replaced a leaking ¾ inch water service road crossing at 222 Dorsay Valley Drive in the Preserve East plan of homes. This leak was detected by the WDSLDS survey crew.
8/15/2018	
Sanitary Sewer Flow Meter Calibration	Personnel, along with a sub-contractor (KWM Controls Inc.), performed the semi-annual calibration/inspection of the three (3) Marshall Township sewer flow meters as well as the New Sewickley – Danbury Farms sewer flow meter.
8/16/2018	
7 Dover Drive	Excavated and replaced a broken water service curb stop (termination valve) at 7 Dover Drive in the Fernway plan of homes.
8/20/2018	
735 Sunset Circle	Personnel excavated and replaced a leaking ¾ inch water service road crossing at 735 Sunset Circle in the Glen Eden Townhouse Complex. This leak was detected by the WDSLDS survey crew.
8/21/2018	

Pretreatment

FOG PROGRAM	Upcoming FOG Users	<ul style="list-style-type: none"> ➤ Cranberry Springs Retail Buildings
	FOG Updates	<ul style="list-style-type: none"> ➤ Burgatory opened ➤ NTB opened ➤ Sizing new grease trap for Cranberry Twp. Pool
I & I	<ul style="list-style-type: none"> ➤ Requested inflow protectors for interceptors located at Dunkin Donuts & Patron Mexican Grill. ➤ Developed plans for Interceptor #7, Phase 1, pipe bursting project ➤ Submitted justification letter to Township for Interceptor #7, Interceptor #1, and Wisconsin avenue rehabilitation work. ➤ Plan in motion to raise manhole at intersection of Rochester Rd. & Route 19. ➤ Met with Insight Pipe to discuss sewer remedial work to take place in Rowan Road Driving Range. 	
Industrial Pretreatment	<ul style="list-style-type: none"> ➤ Met with Bill Campbell and Gannett Fleming to review Marshall Twp. wastewater surveys. Classified users as needing or not needing wastewater permits. ➤ Collected flow data from C.U.E. Inc. and Peterson Cartridge to establish their pollutant discharge allowances. 	
Additional items	<ul style="list-style-type: none"> ➤ Developing <i>Intermunicipal Sewage Service Agreement</i> communication platform for Cranberry Township departments. ➤ Completed final day for Butler County Community Service. ➤ Arranged for ProServices to hold a fat, oil, and grease training day at the public training center. 	

Traffic, Communications & Signs

Signal Operations -	
Rt 19/St Francis Dr	Penn Dot released the grant on July 26. WRA is the design Engineer and is already working on the intersection design.
Intermunicipal Signals	Staff are working with Bronder Tech and the SPC to install ethernet communications on the RT 228 East Corridor. This will enable the corridor to be monitored in Centracs.
Electrical -	
Graham Park II	Power wiring has been installed to the new Garden Shed in Graham Park II.
Relay for Life	Staff installed temporary power to assist the <i>Relay for Life</i> held in North Boundary Park on July 21.
Miracle League All Star Game	Temporary power was installed for the <i>Miracle League All Star Game</i> at Graham Park on July 28 th .
Signs -	
Sign Maintenance	Sign maintenance and installation continues on a regular basis.
Communications -	
Fiber Optic Upgrade	Traffic Staff have designed and installed some additional fiber optic backbone that will allow the pool pumphouse to have digital connections for the second entrance and possibly to monitor the pump house operation.

Facilities

WaterPark	Replacement of the hardy plank on the gable ends of the pool concession, baseball and soccer restrooms has been approved. A meeting to plan and setup the schedule is set for 8/28/18. Work will not begin until after pool closing on Labor Day.
Brush Creek Treatment Plant	Preventive maintenance was performed on the new mechanical equipment put in-service during plant construction. Monthly inspections / cleanings are scheduled until construction is complete.
Graham Park	Access control has been installed on all the doors of the maintenance building
Highlands Clubhouse	The rotted wood in the aluminum clad window sashes were replaced. Pella was used and now sash is covered with a lifetime warranty.
Municipal Building	<p>The structural steel under the front overhang of the municipal building has been cleaned and painted. The bird netting was removed, rusted sections wire brushed and primed before final finish coat applied. The arch with the township lettering was also cleaned and painted. Clock tower EFFIS repairs are under way before repainting.</p> <p>A new compressor was installed on the RTU servicing the gym storage area. The compressor and associated parts are still covered under warranty and were installed in-house do eliminate labor charges.</p> <p>Common area carpeting has been spotted and extracted.</p>
Pre-School	HALO air purifiers are being installed in the preschool classrooms. Purifiers will help kill mold, bacteria and viruses and reduce surface contaminations causing the transmission and spread of colds and flu.
PS Training Center	The new fire alarm system has been installed in the training center and is in service. Monitoring service is being provided by Vector Security.
Work Orders & Room Setups	Work orders both reactive and scheduled along with room setups are being done.