

# PUBLIC WORKS OPERATIONS

## MONTHLY ACTIVITY REPORT

*July 2019*

STREETS & FLEET	
<b>Road Construction Crew</b>	
<b>Resurfacing Program</b>	Paving, Chip sealing and crack sealing are completed. Micro Surfacing to be completed the week of July 22.
<b>Installed new storm basin</b>	Powell Rd near Orchard Park. To eliminate standing water along curblin
<b>Storm Sewer basins</b>	Repairs to basin in Orchard Park, The Woodlands and Sun Valley have been completed.
<b>Pothole Duty and basin top clearing</b>	Multiple crews have been assigned to pothole duty and clearing basin tops of debris so storm water can flow
<b>Deck hockey bleachers</b>	Moved storm sewer and created foundation pad for bleachers to be installed.
<b>Fleet Maintenance (Scheduled)</b>	
Vehicle or Equip. Repairs Description of Work	
1611 International Terrastar	Replaced starter
Bobcat E85 Excavator	Replaced hydraulic lines and fluid
1627 Peterbilt	Replaced leaking transmission line
1623 International Tandem	Replaced rear broken springs
1708 International dump	Replaced rear broken springs
2008 Trailblazer	Replaced cracked exhaust manifold
Club cars carts	Welded on rear hitches
JD boom mower	Hydraulic lines and oil, new ground rollers
Generators	Tuned up and PM'd
JD Gator	Replaced front axle
PD Safety Trailer	Rewired trailer lights
PD 812 Charger	New charger, installed GPS, ID reader and printer
Ventrac Mowers	Various mowers repaired and rebuilt decks

Preventive Maintenance Program		State Inspections	
<b>Cars</b>	<b>21</b>		<b>Cars &amp; Trucks</b>
<b>Trucks</b>	<b>7</b>		<b>11</b>
<b>Equipment</b>	<b>13</b>		<b>Trailers</b>
			<b>2</b>

**GROUNDS****Parks Inclusive**

Clean up from Community Days.  
Continual maintenance of athletic fields and common areas.  
Mowing maintenance of disc golf course.

**TRAFFIC, COMMUNICATION & SIGNS****Signs****Sign Maintenance**

Sign Updates and repairs are routinely performed.

**Signal Operations****Firmware updates**

Updates to Autoscope Vision Software and Smart -Micro Radar devices were routinely installed.

**Tours**

Hosted several group tours of the TOC.  
Homeland Security and Butler Leadership both visited the center.

**Electrical****Community Days**

Set up temporary power for 120 electrical booths for the three-day event

**Golf Course**

Continued with power and data preparations to the repurposed Turf Grass Center gate

**Locating**

Started a new Locating Process using a new Service -Boss 811

**Relay For Life**

Installed temporary power for this year's Relay Event

**OPERATIONS ENGINEER****PROJECT: ADAPTIVE TRAFFIC SIGNAL TECHNOLOGY****Description:**

Completion of Route 228 and Freedom Road Corridor to adaptive traffic signals to automatically "adapt" the traffic signal based on the traffic conditions. Route 19 to test new Edaptive software.

**PROJECT: ROUTE 19 & ST. FRANCIS WAY SIGNAL UPGRADE****Description:**

Signal Pole delivery expected in August 2019 for GLG Grant for replacement of traffic signal to current standards including pedestrian and ADA facilities with local project oversight.

**PROJECT MANAGEMENT: PUBLIC WORKS OPERATIONS****PennDOT Coord**

Twp PM - Freedom/Turnpike Bridge Project, I79 Bridge replacement at N. Boundary

**Paving Program**

Completion of 2019 Program, 5-year paving plan Development/Roadbotics

**Slow Down**

PM Campaign: August 27- Sept 10

**Fernway**

PM Traffic Portion of Neighborhood Plan

**One Call**

Township Oversight - change to BOSS811 system to manage one-calls

**Engineering**

PM Coordinate Eng Projects with PW (Makerspace, BCWTP, work orders)

<b>BCTP</b>	
<b>6/10/19</b>	A rainfall event prompted staff to operate the plant from 7:00 p.m. through 2:00 a.m. (total rainfall 1.08 inches)
<b>6/11/19</b>	A fire alarm occurred at 3:00 a.m. the fire panel was being programmed by the technician the previous day and was left active with the alarm company by accident
<b>6/12/19</b>	plant staff-initiated contents transfer from bioreactor 2 into #3 so that the general contractor could perform pipe demo work
<b>6/16/19</b>	loss of commercial power occurred at 11:30 a.m. several systems required operator intervention to reset equipment.
<b>6/17/19</b>	Plant staff worked with Lanco Electric to install a new ATAD PLC and migrate the existing program over to the new hard ware
<b>6/18/19</b>	Plant staff replaced three ATAD level sensors (all four reactors now have new sensors)
<b>6/18/19</b>	Plant operators replaced burned out motor for ATAD odor scrubber fan
<b>6/18-19/19</b>	A rainfall event prompted staff to operate the plant from 7:00 a.m. through 3:30 a.m. (total rainfall 0.41 inches)
<b>6/20/19</b>	A rainfall event prompted staff to operate the plant from 7:00 a.m. through 2:00 a.m. (total rainfall 0.72 inches)
<b>6/24-25/19</b>	A rainfall event prompted staff to operate the plant from 10:00 p.m. through 6:30 p.m. (total rainfall 0.89 inches)
<b>6/26/19</b>	Plant staff completed contents transfer from bioreactor 1 into 2 so that the contractor can demo old process piping this is to be the last contents transfer related to construction activities
<b>6/29/19</b>	A rainfall event prompted staff to operate the plant from 8:00 p.m. through 11:30 p.m. (total rainfall 1.67 inches)
<b>7/6/19</b>	A rainfall event prompted staff to operates the plant from 5:00 p.m. Saturday through 2:00 a.m. Sunday (total rainfall 1.36 inches)
<b>7/7/19</b>	A rain fall event prompted staff to operates the plant from 6:00 a.m. Saturday through 12:00 a.m. Monday (total rainfall 0.28 inches)
<b>Franklin Acres Pump Station</b>	No operational issues
<b>Briar Creek Pump Sta.</b>	No operational issues
<b>Wolfe Run Pump Sta.</b>	No operational issues
<b>Water Supply</b>	6/16/19 The auto dialer alerted staff of a south tank communications failure. The condition is thought to be related to servers needing rebooted after the power outage 6/18/19 tri-annual lead and copper sampling program was completed. Results indicated satisfactory water quality thought out the sampling locations

SEWER & WATER FIELD	
Date	Job/Project Description
6/18/19	Marshall Sewer Meter Repair - S&W field personnel installed a new sewer flow sensor mount at the Marshall Township Commonwealth Drive sewer meter location and KWM Controls Inc. recalibrated the meter.
7/1/19	I&I Flow Meter QA/QC - S&W field personnel excavated & TECsmith performed QA/QC on the I&I Flow Meter.
7/3/19	Water Service Curb Box Repair - S&W field personnel excavated and repaired the curb box at 203 Cricketwood Drive.
7/8/19	Water Main Leak Repair - S&W field personnel excavated and repaired a leak on the six (6) inch water main in front of 217 LaGrande Drive.
7/10/19	Sewer Flow Meter Calibrations - S&W field personnel and KWM Controls, Inc. calibrated the Marshall Township and New Sewickley Township sewer flow meters.
7/10/19	Water Valve Box Maintenance - S&W field personnel excavated and repaired a main line valve box at 203 LaGrande Drive.
7/15/19	Water Service Curb Box Repair - S&W field personnel excavated and repaired the curb box at 721 Hartland Drive.
Infrastructure upgrades	Evaluated Interceptor #7 exposed sewer line with Gannett Fleming & HRG for emergency repair
I & I	Organizing completion of Old Interceptor #1 phase 5 CIPP lining

PRETREATMENT	
FOG Updates	Permitting all internal Cranberry Township facility's Inspected golf course downstream manhole for FOG Evaluating Swift Comply modules to fit Billing, GIS, Permitting, and inspection needs for the Township Trained Harrisburg pretreatment administrator on FOG inspections
Industrial Pretreatment	Submitted formal sampling plan to EPA to establish new maximum allowable headworks loading (MAHL) limits.
	MAHL sampling will begin in August
	Purchased two portable samplers and one pH meter for industrial pretreatment work.
	Began draft pretreatment ordinance revision to meet EPA's criteria.
Additional Items	Met with Penndot and internal traffic personnel to discuss pollinator habitat initiative programs along roadside right of ways. Attended Westmoreland WWTP tour with the WPWPCA.