

# PUBLIC WORKS OPERATIONS

## MONTHLY ACTIVITY REPORT

July 2020

### STREETS & FLEET

#### Road Construction Crew

<b>North Boundary Reynolds Property Project – DCNR Project</b>	Landscaped around new parking lot and driveway to the Reynolds barn.
<b>Disc Golf Course - Mowing</b>	Installed new trail at disc golf from Learn to Play to the hole #1 area per the designed plan.
<b>Ehrman Rd at Garvin – Site Distance</b>	Cut back hillside to open the line of sight when leaving Garvin Rd.
<b>Street Sweeping</b>	All collector roads have been swept at least twice and most other roads with debris collected in the gutter line have been swept.
<b>Right of Way Mowing</b>	Both sides of the township have been mowed once. Starting the second round of mowing now.

#### Fleet Maintenance (Scheduled)

Vehicle or Equip. Repairs Description of Work	
1629 Peterbilt	Replaced rear axle maxi brake canister
1614 Dodge	New steer tires, rear brakes and rotors
Sprinter Van	Installed 4 new tires
Solar arrow trailer	Installed new batteries
Land Pride wing mower	Replaced spindles and belts
John Deere 6330 boom mower	Installed new flail head rollers, belts and hydraulic line
Ventrac mower 1	Repaired lift cylinder mounts for deck
Ventrac mower 3	Repaired PTO wiring and deck float valve
Police shooting range targets	Welded and repaired shooting range targets
PD 811 Charger	Replaced front brakes and rotors
PD 809 Charger	Replaced motor mount
Cleaning and Sanitizing	Public Works facility and vehicles

Preventive Maintenance Program		State Inspections	
<b>Cars</b>	<b>14</b>	<b>Cars &amp; Trucks</b>	<b>18</b>
<b>Trucks</b>	<b>10</b>		
<b>Equipment</b>	<b>15</b>	<b>Trailers</b>	<b>1</b>

### TRAFFIC, COMMUNICATION & SIGNS

#### Signal Operations

<b>MSA Thruway/Fly-under</b>	Staff are monitoring the project and working with the general and electrical sub-contractors for the power and lighting requirements.
<b>Preventative Maintenance</b>	Total completed 42/50.
<b>Freedom Rd Bridge Project</b>	Signal poles and cabinets are currently being installed.

Traffic continued				
Reflective Backplate Program	Staff adding reflective borders to signals to improve visibility. They have completed 14 intersections. All new installations will include the borders per spec.			
Fernway Project	Staff updating all necessary road signs as part of the Fernway Project.			
Speed Signs	Staff installing and maintaining the speed sign installations to assist engineering and public safety with traffic calming.			
Equipment Removal	Staff removed two advanced warning flashers on southbound Rt 19. One at the Auto Auction, one at the old creamery. They were no longer warranted and were starting to need some maintenance.			
Electrical				
Electrical	Staff completed assorted electrical WO’s as presented. Broken outlets, broken weatherproof covers and breaker issues in the concession stands, necessary items for electrical safety.			
Communications				
One Call	Staff continue to locate the traffic signal, electrical and communications wiring as per the Pa One Call regulations.			
Last 30 Days	Design: 15	Emergency: 14	Locate CA1: 117	Locate CAB: 15
Fiber/Signal (CAB) One Call Utility Locates				
Ticket summary				
111	111	0	110	1
Number of Tickets	Assigned Tickets	Unassigned Tickets	Closed Tickets	Open Tickets
Tickets by type				
ROUTINE (97) FINAL DESIGN (7) COMPLEX PROJECT (4) EMERGENCY (3)		Marty McKinney (67) Josh Andree (20) Richard Toth (14) Shane Wokutch (10)		
Response codes				
		Service areas		
001 (90) 003 (15) 083 (5)				
CAB (111)				

FACILITIES	
<b>Park Fire Station</b>	<p>Installed remote frequency drives provided by the equipment manufacturer to allow adjustments to the fan speed.</p> <p>Met with representative from Mitsubishi and Daiken to discuss options to provide supplemental a/c and heat to the top floor of the station if attempts to get required air flow is unsuccessful.</p>

Facilities continued	
<b>COVID 19</b>	Continue to search and order supplies to replenish stock. Monitor and supply necessary PPE for the township.
<b>Municipal Bldg.</b>	Working with engineering and contractor to correct the air flow problems with the laser cutter. Cannon design to redesign the ventilation. Installed the new 100-gallon high efficiency hot water tank into the second floor, public safety offices.
<b>Highlands Clubhouse</b>	Closed and sanitized the grillroom, banquet rooms, restrooms and kitchen.
<b>Treatment Plant</b>	Preventive maintenance service is in progress for all plant mechanical equipment.
<b>Public Works</b>	Continue to monitor and replace PPE's to carry public works employees through the COVID 19 pandemic.
GROUNDS	
<b>Parks Inclusive</b>	Grounds staff continues to water sports fields without irrigation. Mowing has been reduced in areas without irrigation. Staff have been performing more cleaning and sanitizing in park restrooms and facilities. Concrete and wooden surfaces (decks) are being power washed and cleaned. Park projects continuing and grounds staff is assisting (Reynolds Property, new pavilion at North Boundary, new pickleball courts).
<b>Community Apiary</b>	Working with Southern Butler Gardening Club, Ernst Seed, and grounds crew to establish plans for pollinator habitat wildflower areas in Graham Park.

BCTP	
<b>6/8/2020</b>	Plant staff made repairs to a leaking 10" auto thermophilic aerobic digestion sludge line. The flexible expansion joint began to degrade and required replacement.
<b>6/15/2020</b>	New silencers were installed on membrane bioreactor blowers.
<b>6/16/2020</b>	Aerzen process blower #4 was finally rebuilt, reinstalled, and placed back into operation.
<b>6/24/2020</b>	Plant staff demolished deteriorated filtrate tank air piping and installed new piping and anchors.
<b>6/25/2020</b>	Membrane bioreactor bridge crane repaired; a new brake was installed.
<b>6/29/2020</b>	Operators began inspecting membrane bioreactor cassettes. The goal is to pull and clean all 60 before winter.
<b>7/2/2020</b>	Operators troubleshooted a bad auto thermophilic aerobic digestion programmable logic controller uninterrupted power supply. A new unit was ordered and installed.
<b>7/6/2020</b>	Plant staff installed new seal water flushing systems for all 6 return activated sludge pump mechanical seals.
<b>Franklin Acres Pump Station</b>	No operational issues.
<b>Briar Creek Pump Station</b>	No operational issues.
<b>Wolfe Run Pump Station</b>	No operational issues.

**BCTP continued****Water Supply**

6/9/2020 - West View switched disinfection chemicals to chloramines for the summer months.

6/21 – Plant staff responded to a high turbidity alarm at the Pennwood booster station – an increased pumping rate from the new Baden plant is suspected the cause.

6/22 – Plant staff noted low water storage tank levels due to the high turbidity issue, flushing season and hot weather.

6/23/2020 – Received notice from PADEP that the Dutilh meter pit is not reclassified as an emergency connection.

6/24 – Consumer Confidence Report complete and posted on Township website; DEP also notified.

**SEWER & WATER FIELD**

Date	Job/Project Description
6/17/2020	Grade adjustment to Fairport Lane in the Village of Cranberry Woods to meet the new finished grade with the Atria building project.
6/23/2020	Excavated and repaired a leaking ¾ inch water service road crossing at line leak at 427 Sussex Drive in the Fernway plan of homes.
7/9/2020	KWM Controls, Inc. calibrated the Marshall Township's three (3) sewer flow meters as well as the New Sewickley Township Danbury Farms sewer flow meter.
7/6/2020	Clearing weeds away from hydrant and painting hydrant throughout the Township over the last month.
7/6/2020	The Annual Water Distribution System Flushing program was put on hold after week three (3) of the program. Will resume later in the summer.

**Water/Sewer/Storm (CA1) One Call Utility Locates**Ticket summary

276

Number of Tickets

274

Assigned Tickets

2

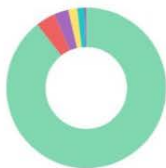
Unassigned Tickets

274

Closed Tickets

2

Open Tickets

Tickets by type

- ROUTINE (247)
- EMERGENCY (11)
- FINAL DESIGN (8)
- INSUFFICIENT (5)
- COMPLEX PROJECT (4)
- PRELIMINARY DESIGN (1)

Tickets by assignee

- Greg Gabrich (136)
- Curt Rape (36)
- Rob Caughey (34)
- Dan Cristallino (26)
- Joseph Leavens (17)
- Rick Cook (16)
- Josh Andree (9)
- Unassigned- (2)

Response codes

- 001 (148)
- 003 (117)
- 083 (8)
- 004 (1)

Service areas

- CA1 (276)

<b>PRETREATMENT</b>	
<b>IPP Program Submittal</b>	Anticipated approval for Chapter 19 amendments, Enforcement Response Plan, Local Limits, and revised fee schedule is September 2020. Anticipated program submission to the EPA is October 2020. Anticipated Permit issuance date for all industrial permittees will be Nov 1 <sup>st</sup> , 2020 after new regulations have been adopted.
<b>Kawneer</b>	Unannounced Cranberry Township compliance sample results within permit limits. Revised 2020-2021 wastewater permit language and limits to reflect future ordinance and local limit regulation.
<b>Peterson Cartridge</b>	Created 2020-2021 wastewater permit language and limits to reflect future ordinance and local limit regulations. Permit issued to Peterson Cartridge for review.
<b>Paragon Foods (Marshall Twp)</b>	Will be issued flow limitation permit instead of significant industrial user permit. Required to install flow meter on wastewater pretreatment effluent line. Required to submit pretreatment installation plans with due dates for 2020-2021 permit.
<b>C.U.E. Inc.</b>	Will be issued a significant industrial user permit under metal finishing category. C.U.E. collected wastewater samples for baseline analytical analysis.
<b>FOG Misc.</b>	Working with eleven permittees to replace and/or install FOG devices to combat high grease output. Ten new FOG users are entering the program.