

PUBLIC WORKS OPERATIONS

MONTHLY ACTIVITY REPORT

March 2020

STREETS & FLEET

Road Construction Crew

Snow Events	Number of snow/ice events = 0 Tons of salt used to date = 0 Miles driven to date = 0	Year to Date Number of snow/ice events = 40 Tons of salt used to date = 3,306 Miles driven to date = 15,610
Rock Salt Delivery	Ordered and received 1,000 tons of rock salt – shed is at capacity.	
Storm Sewer Repair	101 Fox Chase – Replaced broken end wall installing new storm water pipe.	
Pothole Patching	Continuing to repair potholes around the township.	
Basin Repairs	Several basins have been repaired in advance of the paving program.	

Fleet Maintenance (Scheduled)

Vehicle or Equip. Repairs Description of Work	
1625 Freightliner	Out for service having the dump bed repaired.
1628 Peterbilt	Installed new front brakes – rotors and pads
1616 Ford F250	Installed new brakes and rotors, oil & filter change
JD 1445 Snow Brush	Installing new duel solenoid -brought back to shop from Admin bldg.
CAT 305.5 Mini Excavator	Hauled machine and plates back to shop from Broadview Ct.
1701 Engineering Chevy	Repaired flat tire and left truck at DPW for temp use.
Police Fleet	Picked up several spare tires for the Chargers and Tahoes in the fleet.
R21 Fire Dept	Replaced air governor, air up tires and checked fluids.

Preventive Maintenance Program		State Inspections	
Cars	19	Cars & Trucks	6
Trucks	5		
Equipment	5	Trailers	2

TRAFFIC, COMMUNICATION & SIGNS

Signs

Sign Shop	Sign repairs continue as necessary.
Signal Operations	
RT 19/St Francis Signal	Intersection has been approved for full operation. Paint markings and landscaping will be completed when weather permits.
Freedom Rd/Turnpike Bridge	Project is now on hold.

Traffic cont.

MSA Thruway/ Fly-under	Communication Utility Companies are working to complete relocation of overhead lines in preparation of excavation. Work in the State RoW is on hold.
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Communications

Ethernet Radio	Preparations for additional links are being planned and parts are being ordered.			
One Call	Staff continue to locate the traffic signal, electrical and communications wiring as per the Pa One Call regulations.			
Last 30 Days	Design:	Emergency:	Locate CA1:	Locate CAB:

Fiber/Signal (CAB) One Call Utility LocatesTicket summaryTickets by typeTickets by assigneeResponse codesService areas**FACILITIES**

Waterpark	New hot water tank installation is complete, and leak tested. Preparations for pool opening are being scheduled. Work will be prioritized under the current Covid 19 precautions to begin repairs that are longer in length first. Working with Dave Hutner to continue the repair of failed marcite through contracted service under possible warranty.
Park Fire Station	Repairs to the AHU have been stalled following the last meeting with all parties involved. The suggestion to change all the engineering and design work originally submitted to the township as the corrective measures to resolve the issues was stopped and questioned. All attempts to this point have been unsuccessful and the option of installing the original submitted equipment suggested to the manufacturer.
BCTP	The gate system is online. Intercom up and running. A mobile adaptor for afterhours communication has been installed and awaiting additional programming by IT. Following a meeting and vulnerability study with the Dept. of Homeland Security it was recommended the security take precedent over access control. As an option to reduce costs, wireless security panels were tested throughout the plant for connectivity. We determined 90% of the plant can be covered and protected wirelessly as a substantial cost savings. Perimeter fence protection is under review for a quote with JCI.

Facilities cont.	
Municipal Bldg.	Emergency 911 intercom in the process of being replaced outside the building entrance to the PD. Cleaning has been reduced to one daytime cleaning that is cleaning and disinfecting all common areas, restrooms and offices during the remote working direction. All other work other than essential tasks have been put on hold. PM work to maintain building mechanical systems will be scheduled as essential. Cleaning chemicals for disinfection along with paper products have been stocked to provide adequate supplies for a couple months at the reduced staffing level should supply chains become interrupted. Spreadsheet for tracking is underway.
Highlands Clubhouse	Chemical blending unit was setup to provide a properly diluted quaternary disinfectant for continuing cleaning measures for township facilities.
Public Works	New HVAC unit installed in the conference room is complete. Warranty start up completed with factory reps.
GROUNDS	
Parks Inclusive	Reduced staff cleaning restrooms and checking parks. Staff will be increased in the next two weeks to mow grass in the parks. Pool irrigation improvement was completed. Grounds staff is locking down park facilities to decrease the amount of people congregating. Seasonal staff will not be reporting back for at least the next couple weeks.

BCTP	
2/10/20	Kappe and Associates installed a new mechanical seal on RAS pump #4.
2/13/20	Plant and Facility staff installed insulation in the crawl space of the aster control building roof to improve the heating system efficiency.
2/14/20	Plant operators reinstalled RTD feed pump #1.
2/19/20	Plant operators removed RTD feed pump #2 for scheduled PM.
2/24/20	Operators Troubleshoot caustic feed pump fail alarm- broken pump diaphragm was the cause. A new one installed and the unit was returned to service.
2/24/20	Plant staff replace mud valve and stem for sludge hold tank #3.
2/25/20	Plant staff troubleshoot issue with PW brine system, a new probe was ordered.
2/27/20	Plant staff replaced ATAD odor building door.
2/28/20	Operators installed wye strainers on bulk caustic tanks to prevent chemical pumps from clogging with scale.
3/3/20	Plant staff replaced lights in bulk caustic storage room and performed light demo work of old conduits.
3/5/20	Staff install pressure monitoring probe and float switch in plant water meter vault
Franklin Acres Pump Station	3/2 – Sewer clog was detected on the gravity feed line into the lift station.
Briar Creek Pump Station	No operational issues
Wolfe Run Pump Station	No operational issues
Water Supply	3/5 – Received complaint from customer regarding black specs in water suggested hot water tank flush as a possible solution. 3/9 – Initiated draining of South Tank for valve replacement project.

SEWER & WATER FIELD

Date	Job/Project Description
2/20/2020	Working with State Pipe Service installed two - four (4) foot long spot repair liners in the Manorline plan of homes, one at 132 Wayne Drive and one at 134 Wayne Drive.
2/24/2020	Along with Insight Pipe Contracting installed approximately 533 feet of cured in place linings along two sections of eight (8) sewer main between Haine School Road and Wyndmere Drive in the Valleybrook plan of homes (near Bellford Drive).
3/3/2020	Installed a two-inch air-relief combo valve on the Wolfe Run sewer force main near 573 Callery Road.
3/9/2020	Along with KWM Controls conducted monthly calibrations at all three (3) Marshall Township sewer flow meters as well as the New Sewickley Danbury Farms sewer flow meter.
3/16/2020	Installed a hydrant near one Rolling Road just south of the Freedom Road intersection, replaced one that was destroyed in a vehicle accident.
3/19/2020	Excavated and replaced a leaking ¾ inch water service road crossing at 9269 Marshall Road in the Marshall Woods plan of homes.

Water/Sewer/Storm (CA1) One Call Utility Locates

Ticket summary

140

Number of Tickets

138

Assigned Tickets

2

Unassigned Tickets

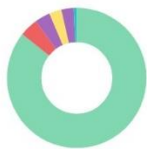
133

Closed Tickets

7

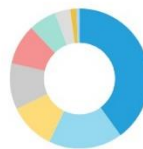
Open Tickets

Tickets by type



ROUTINE (120)
 EMERGENCY (6)
 FINAL DESIGN (5)
 INSUFFICIENT (4)
 PRELIMINARY DESIGN (4)
 COMPLEX PROJECT (1)

Tickets by assignee



Greg Gabrich (56)
 Dan Cristallino (24)
 Joseph Leavens (15)
 Curt Rape (15)
 Rick Cook (13)
 Josh Andree (9)
 Rob Caughey (5)
 -Unassigned- (2)
 Doug Foeks (1)

Response codes



003 (65)
 001 (59)
 083 (6)
 004 (3)

Service areas



CA1 (140)

PRETREATMENT

Industrial Pretreatment	<p>Draft #5 pretreatment ordinance revisions sent to Gannett Fleming for review.</p> <p>Collected split sample from Kawneer's new wastewater sampling station to check for permit compliance. Kawneer will remain in operation through COVID-19 closings.</p> <p>Met with EPA representatives to discuss Peterson Cartridges Industrial pretreatment classification and wastewater limits.</p>
Incoming FOG Users (New Construction)	<p>Recon Brewing – 301 Tillary Lane Ste #1</p> <p>Coffee Break B- Unknown</p> <p>Sheetz – 1664 Route 228</p> <p>Evans City K-6 School – 270 Ehrman Road</p> <p>Cranberry Express Wash – 1325 Freedom Road</p> <p>Atria Continuing Care – 3020 Fairport Lane</p> <p>Holiday Inn Express – 1744 Route 228</p>
FOG Misc.	<p>Visited all wastewater lift stations to access FOG buildup on collection piping and holding tanks.</p> <p>Marty's grease trap installation requirement on hold due to COVID-19.</p> <p>Swift Comply compliance software grease device cleaning notifications put on hold.</p> <p>Incorporated receipt of FOG permit applications on Swift Comply</p> <p>Working with existing high-risk FOG facilities to install additional grease traps for pre-rinse stations.</p>
Miscellaneous	<p>Preparing Cranberry Highlands Community Apiary advertisement directed at beekeepers and beekeeping clubs</p> <p>Green Team has future plans to meet with Rowan Elementary School to help them establish their own green team.</p>