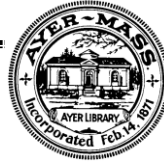


DEPARTMENT OF PUBLIC WORKS

Mark L. Wetzel, P.E., Superintendent
Daniel Van Schalkwyk, Town Engineer
Pamela J. Martin, Business Manager



25 BROOK STREET
AYER, MASSACHUSETTS 01432
T: (978) 772-8240
F: (978) 772-8244

MONTHLY REPORT December, 2015

Below is a summary of the Ayer DPW's operations for the month of December. In addition to the items below, there are many ongoing projects in various stages that the DPW staff are involved with. If additional detail or information is needed, please let us know.

Engineering and Administration

- Completed and submitted FY17-FY21 Ayer DPW Operating Budget
- Prepared presentations for Capital Planning Committee
- Implementing Work Order Management / Asset Management Software
- Working on GIS mapping and condition assessments of drainage and sewer system
- Active involvement in Comprehensive Plan Committee including preparing Public Involvement Plan
- Working on final design of West Main Street Pumping Station
- Design of Water Division Garage
- Design of Fuel Station Canopy
- Construction coordination for Pingry Hill Water Tank
- Construction coordination for Stony Brook Wastewater Pumping Station Replacement Project
- Working on final design of Pleasant Street CDBG grant improvement project
- Managed meter upgrade project including scheduling and computer account changes
- Advertised and sold Transfer Station Stickers for CY2016 and sold PAYT bags and bulk stickers
- Quarterly water and sewer bills were prepared and sent out for 3 routes
- Reviewed and responded to questions and issues related to water and sewer bills
- Processed and approved Road Opening Permits, Trench Permits and Water & Sewer Connection Permits

Highway Division

- Repaired pot holes, trench excavations and sidewalks throughout town
- Plowing and ice treatment for small snow event
- Installed new signs at various locations in town
- Performed beaver dam debris removal at the usual locations
- Marking locations of catch basins for winter clearing
- Preparing sanders and plows for winter season
- Mixing salt for winter
- DPW garage / facility maintenance
- Equipment and vehicle maintenance
- Trash and recycling pickup at numerous locations in town
- Completed DIGSAFE mark-outs

Water Division

- Added data to H2O Water Reporting software
- Completed West Main St service relocation
- Performed seasonal water system flushing
- Cleaned Turbidity and pH meters and probes Grove Pond WTP
- Maintenance of chemical feed systems at Grove Pond WTP
- Maintenance of chemical feed systems at Spec Pond WTP
- Service installation inspections Pingry Hill Phase 5 and Willows
- Performed start-up of new KOH systems at Spec Pond WTP
- Continued radio water meter installations throughout Town
- Completed required DEP monthly coliform and chlorine sampling
- Completed meter readings and assisted customers with leak evaluations and dirty water issues
- Completed DIGSAFE mark-outs
- Normal water treatment duties including daily testing and reports, chemical adjustments, equipment maintenance

SUMMARY OPERATIONS REPORT FOR AYER DPW WATER DIVISION

Month/Year: 2015-12-01 To: 2015-12-31

PWS NO.: 2019000

Submitted By:

Detail/Description	Values					
Pump and Flow Information	Total	Average	Maximum	Minimum	Days	Hours
WTFGP - Raw Water	21,215,000	684,355	1,418,000	92,000	31	
WTFSP - Raw Water	15,665,000	505,323	981,000	0	31	
Chemical Feed Information	Volume/Weight	Pounds	Avg Dosage (mg/L)			
KMnO4 - WTFGP	875.00	210.00	1.24			
KMnO4 - WTFSP	1,180.00	283.20	3.76			
KOH - WTFGP	566.00	3,096.02	16.49			
NaOCl - WTFGP	614.00	614.00	3.78			
NaOCl - WTFSP	389.00	389.00	2.75			
Water Quality Information	Chlorine Analyzer (Free)	Iron (Total)	Manganese (Total)	pH Analyzer	Turbidity	
WTFSP - Finished Water	0.055	0.022	0.039		0.065	
WTFGP - Raw Water				6.936		
WTFGP - Finished Water	0.061	0.017	0.058	6.742	0.059	

Wastewater Division

- All NEPS permit requirements were in compliance for the month of December
- Total flow for the treatment plant was 38.6 million gallons with an Avg. of 1.24 mgd
- Contractor hauled 22 loads of sludge. Solids loading has reduced over the fall.
- Completed successful start-up of new Stony Brook Pumping Station.
- Performed mechanical maintenance on four pump stations, including pulling pumps and inspecting bearings and seals, plus replacing vacuum lines and cleaning or replacing globes.

- Began electrical improvements including safety and emergency lighting.
- Performed maintenance on clarifier drives including oil, grease, and replacing seals.
- Washed down secondary clarifiers and outfall, cleaning of tertiary fitters and UV system.
- Performed daily inspections of wastewater pumping stations
- Performed daily operations, laboratory testing and reporting for WWTP
- Completed 36 DIGSAFE mark-outs
- Completed and submitted Monthly Operations Report for DEP and EPA

Solid Waste Division

- Prepared and submitted Transfer Station Waste Oil Permit Certification to MassDEP
- Completed installation of T wall system
- Coordinated operations during construction
- Normal transfer station operations including site clean-up, organization and monthly reports
- Leaf hauling to brush dump / compost area off Bishop Road
- Coordinated solid waste / recycling disposal including waste oil, scrap metals, textiles