



MONTHLY REPORT November, 2016

Below is a summary of the Ayer DPW's operations for the month of November. 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

- Active involvement in Comprehensive Plan Committee
- Working on final design of Snake Hill Dog Park
- Design of Sandy Pond Rd /Wright Road water main
- Preparing FY18 Capital Improvement Plan / Budget for DPW
- Began construction of Water Division Garage
- Complete Streets Work Group met and developed list of priority projects
- Construction coordination for West Main Street Pumping Station
- Working on bid documents for Fuel Station Canopy
- Construction Oversight Pleasant Street CDBG grant improvement project –stormwater upgrades
- Managed meter upgrade project including scheduling and computer account changes
- Prepared Water and Sewer Lien List
- Quarterly water and sewer bills were prepared and sent out for 2 routes
- Continuing implementation of Maintenance Edge Work Order Management System for WWTP and WTPs by adding scheduled equipment maintenance to the database
- Working with Town Administrator and MART on Rail Access and Commuter Parking Lot
- Reviewed and responded to questions and issues related to water and sewer bills
- Working with Planning Board to update the subdivision regulations
- Reviewed several subdivision / site plans for the Planning Board
- Processed and approved Road Opening Permits, Trench Permits and Water & Sewer Connection Permits

Highway / Stormwater Division

- See specific work order tasks attached **Work Order Summary**
- Repaired drainage and sidewalk on Washington Street
- Repaired pot holes and shoulders throughout town
- Installed new signs and / or repaired existing signs at various locations in town
- Repaired catch basins
- Mowed Police Station, Town Hall, Rotary, Sandy Pond School and other areas in Town
- Performed beaver dam debris removal at the usual locations
- DPW garage / facility maintenance
- Equipment and vehicle maintenance
- Trash and recycling pickup at numerous locations in town
- Completed DIGSAFE mark-outs

Wastewater Division

- See specific work order tasks attached Work Order Summary
- All NPDES permit requirements were in compliance for the month of November
- Total flow for the treatment plant was 35 million gallons with an avg. of 1.13 mgd
- Contractor hauled 20 loads of sludge
- Implemented Mobile 311 into daily Pumping Station maintenance
- Implemented Maintenance Edge into WWTP maintenance work orders
- Performed mechanical maintenance on pump stations
- Backwashed filter units and cleaned UV system
- Repaired Wastewater Division trucks
- Jetting and cleaning of sewer blockage at various locations in town
- Performed daily inspections of wastewater pumping stations
- Performed daily operations, laboratory testing and reporting for WWTP
- Completed DIGSAFE mark-outs
- Completed and **submitted** Monthly Operations Report for DEP and EPA

Water Division

- See specific work order tasks attached Work Order Summary
- Cleaned and redeveloped GP Well 7 and repaired pumping equipment
- Working with the contractor on the construction of Pleasant Street water improvements to connect houses to new water pipe
- Replacing hydrant on Mill Street and removed hydrant on Main St.
- Added data to H2O Water Reporting software and **submitted** reports to MADEP
- Maintenance of chemical feed systems at Grove Pond WTP
- Maintenance of chemical feed 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

Annual Statistical Data	Well 1A - Spectacle Pond	Well 2 - Spectacle Pond	Well 6 - Grove Pond	Well 7 - Grove Pond	Well 8 - Grove Pond		Source Totals
Total Days Pumped - November 2016	8	28	29	23	29	0	30
Total Pumpage (MG) - November 2016	9.170	8.161	-2,606.486	6.889	9.618	0	38.918
Total Pumping Days	8	28	29	23	29	0	30
Total Pumpage (MGY)	9.170	8.161	-2,606.486	6.889	9.618	0.000	38.918
Average Daily Pumpage (MGD)	0.306	0.272	-86.883	0.230	0.321	0.000	1.297
Maximum Daily Pumpage (MGD)	8.026	0.498	2,619.396	257.386	258.423	0.000	1.727
Maximum Daily Pumpage (Date)	2016-11-08	2016-11-08	2016-11-08	2016-11-23	2016-11-03		2016-11-09
Maximum Week Pumpage (MGW)	8.843	2.534	2,621.857	258.683	260.343	0.000	10.303
Maximum Week Pumpage (Date)	2016-11-02	2016-11-02	2016-11-02	2016-11-23	2016-11-03		2016-11-03

Solid Waste Division

- Screening compost at Brush Dump
- Normal transfer station operations including site clean-up, organization and monthly reports
- Cleaned up brush dump to begin screen loam
- Leaf hauling to brush dump / compost area off Bishop Road
- Coordinated solid waste / recycling disposal including waste oil, scrap metals, textiles
- Completed annual “third party” inspection

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Address	Street Name	Work Type	Date	Division	Description	Comments
25	Brook St	Catch Basin Clean Out	10/27/2016 13:55	Highway		Cleaning basin covers and marking basins with white paint throughout town
95	W Main St	Misc Special Event	11/1/2016 11:16	Highway		installed heavy tarps on roof of wood shed to help it last a couple more years for storage
	Loon Hill Rd	Replace Sign	11/1/2016 11:17	Highway		installed new Stop Sign on pole at Loon Hill Rd & Sunflower Lane
	Pleasant & Groton St	Repair Broken Sign	11/1/2016 11:19	Highway		installed new Stop Sign and brake away pole
123	Littleton Rd	Add New Sign	11/3/2016 7:23	Highway		installed new Stop Sign at Hemlock Dr & Littleton Rd RT-2A per request of the Ayer Police.
	Main St	Street Flags	11/7/2016 7:09	Highway		Putting up Flags for Veterans Holiday Friday
	Loon Hill Rd	Catch Basin Repair	11/8/2016 9:07	Highway		Basin repair on double frame installed new double frame
0	Main St by Century Carpet	Misc Sidewalks	11/8/2016 9:17	Highway		Pulling bricks out of sidewalk and installing cement in place of them
0	Main & Park St	Misc Debris Removal	11/8/2016 10:48	Highway		Had Dave M sweep up debris out of the intersection at Park & Main that was dumped in the road.
0	Main St	Main St Trash	11/8/2016 10:49	Highway		Ryan did Main St & Town Hall trash Monday
13	Bennett's Xing	Dig-Safe - Highway	11/21/2016 12:29	Highway		Install cable tv
0	pleasant street	Dig-Safe - Highway	11/21/2016 12:30	Highway		Install new water & sewer mains
99	Barnum road	Dig-Safe - Highway	11/21/2016 12:31	Highway		Foundation for garage &a drainage
0	Johnathan drive	Dig-Safe - Highway	11/21/2016 12:33	Highway		Install foundation/ water / sewer
149	old west Main Street	Dig-Safe - Highway	11/21/2016 12:33	Highway		Soil boring
0	west Main Street	Dig-Safe - Highway	11/21/2016 12:35	Highway		New ground rods pole 49 & 50
0	Harvard / Marshall street	Dig-Safe - Highway	11/21/2016 12:36	Highway		Stump grinding x 6
0	Willard street	Dig-Safe - Highway	11/21/2016 12:37	Highway		Replace pole &a anchor pole 1
	WWTP	Misc Wastewater Work Order	10/27/2016 11:49	Wastewater		treatment plant
	WWTP	Sampling	10/27/2016 11:54	Wastewater		sampling with CDM
	WWTP	Misc Wastewater Work Order	10/27/2016 11:55	Wastewater	assist contractor with flow meter instillation	treatment plant
34	Pleasant St	Dig-Safe - Wastewater	11/7/2016 9:29	Wastewater	emergency dig safe	responded to emergency on Pleasant St, the gas line in front of house number 34 was hit
49	Main St	Dig-Safe - Wastewater	11/7/2016 9:32	Wastewater	emergency dig safe	NEUCO hit what looks to be a stub, the line is not active, on Pleasant St. I brought them as 5' length of PVC and a couple of ferncos

	Elm St/East Main St	Dig-Safe - Wastewater	11/7/2016 13:32	Wastewater	National Grid is repairing the rectifier, working from pole #8 on Old East Main St to the intersection of Elm St	I marked the street from pole #8 to the intersection at Elm St and all properties in between
	Harvard Rd	Dig-Safe - Wastewater	11/7/2016 13:36	Wastewater	replacing pole #35	marked the street and the property
	Copeland Dr	Dig-Safe - Wastewater	11/7/2016 13:37	Wastewater	Replace poles 3-1, 3-2, 3-3	I marked the street in front of each pole being replaced
	Sandy Pond road	Dig-Safe - Wastewater	11/7/2016 13:39	Wastewater	replace pole #2	I marked the property of Verizon where the pole is in the woods
6	Patricia Dr	Dig-Safe - Wastewater	11/7/2016 13:41	Wastewater	building a retaining wall	I marked the street and the property
	Apple blossom Ln	Dig-Safe - Wastewater	11/7/2016 13:42	Wastewater	installing water, sewer, electric and gas	I marked the street
13	Bennet's Xing	Dig-Safe - Wastewater	11/7/2016 13:46	Wastewater	install catv	I marked the street and the property
	Howard St	Dig-Safe - Wastewater	11/7/2016 13:48	Wastewater	replace pole #1	I marked the street and #80 Pleasant St that comes out to Howard St right next to the #1 pole
15	Groton Shirley Rd	Dig-Safe - Wastewater	11/7/2016 13:50	Wastewater	installing underground propane tank	I marked "No Sewer" in the street in front of the property
4	Birch St	Dig-Safe - Wastewater	11/7/2016 14:41	Wastewater	trenching electric for AC/Heat units	I marked the street and the property
	Main Pump Station	Pump Maintenance	11/7/2016 14:44	Wastewater	Main Pump station sump pumps	helped Shanahan check to see if the sump pumps are both working, #2 is not
	Littleton Rd	Dig-Safe - Wastewater	11/8/2016 11:13	Wastewater	replace pole and anchors on poles #9, 10, 10.1X, 12, 14, 21, 23	I marked the street and any clean outs in front of the poles and anchors being replaced
	Pleasant St	Dig-Safe - Wastewater	11/8/2016 11:18	Wastewater	install new water, sewer and services	already marked, I talked with the foreman for Riccardi and he said they are good with our marks and they're only looking for the gas to be marked again
	Sculley Rd, Marshall St and the easement behind Ayer Best Cleaner	Inspection - Wastewater	11/8/2016 15:13	Wastewater	chronic problem areas	Kenny and I checked these spots, no problems with them this week
	Grove St to Bligh St easement	Jetting/Cleaning	11/16/2016 13:32	Wastewater	root removal	Tim and I camera the easement to find the roots and then jetted with the warthog to get the roots, repeated several times until we got all the roots we could find with the camera.
95	Sandy Pond Rd	Repair Manhole	11/16/2016 14:42	Wastewater	loose manhole	Received a call about a manhole making noise in front of 95 Sandy Pond Rd so Tim and I went and put packing under the cover.
	Various spots in town	Complaint/Investigation - Wastewater	11/17/2016 14:02	Wastewater	foam in headworks	We noticed foam coming out of headworks so I went out to check some of the areas in town where we could possibly tell where we could've gotten product we should not be getting sent to us. I did not

						find any evidence in any of the areas that I checked.
99	Barnum Rd	Dig-Safe - Wastewater	11/17/2016 14:04	Wastewater	digging foundation for garage and trench for drainage	I marked "ok" over near the dig area, there's no sewer in that area
25	Brooks St	Reports - Wastewater	11/17/2016 14:09	Wastewater	job request for Dan	Completed the list of matching up the GIS manhole numbers with the camera work Truax did on Washington St, Pearl St and High St
	main Pump station	Daily Inspection	11/21/2016 10:30	Wastewater	station check numbers taken	
	Maine pump Station	Generator Maintenance	11/21/2016 10:33	Wastewater	generator oil and coolant checked ok	Maine pump Station
	central ave Pump station	Daily Inspection	11/21/2016 10:36	Wastewater	checked and record number s	
	Pheasant Pump station	Daily Inspection	11/21/2016 10:38	Wastewater	checked and record numbers	
	Groton school Pump station	Daily Inspection	11/21/2016 10:46	Wastewater	record numbers	
	Washington Pump station	Daily Inspection	11/21/2016 10:47	Wastewater	record numbers	
	Moore drive Pump station	Daily Inspection	11/21/2016 10:48	Wastewater	record numbers	
	Oak Ridge number 2 Pump Station	Daily Inspection	11/21/2016 10:49	Wastewater	record numbers test pumps check heat	
	Oak Ridge 1 Pump Station	Daily Inspection	11/21/2016 10:51	Wastewater	record numbers test pumps check heat	
	stony Brook	Daily Inspection	11/21/2016 10:55	Wastewater	check and record numbers	
	Crabtree pump station	Daily Inspection	11/21/2016 11:11	Wastewater	record numbers check pumps check heat	
	Winterberry pumps station	Daily Inspection	11/21/2016 11:13	Wastewater	record numbers	
	Pond view 1+2 Pump station	Daily Inspection	11/21/2016 11:15	Wastewater	record numbers and test pumps check heat	
	willow pumps station	Daily Inspection	11/21/2016 11:17	Wastewater	record numbers test pumps and check heat	
	Bennet's Brook Pump station	Daily Inspection	11/21/2016 11:19	Wastewater	test pumps and check Heat test generator	
161	W Main St	Daily Inspection	11/21/2016 13:38	Wastewater		
161	W Main St	Generator Maintenance	11/21/2016 13:39	Wastewater	inspect and check oil and fuel and coolant at plant generator	

	Groton school pumps station	Generator Maintenance	11/21/2016 13:56	Wastewater	check oil and coolant	
	central pump station	Clean Wet Well	11/21/2016 14:52	Wastewater	bar racks	Tim and I did the bar racks, sprayed down the matt and removed the rags we pulled out of the bar rack last month that had dried
	main pump station	Clean Wet Well	11/21/2016 14:56	Wastewater	bar racks	Tim and I cleaned the bar racks, sprayed down the matt and removed the rags we cleaned out of the bar racks last month that had dried
	Doug Rd/Rail Trail	Misc Wastewater Work Order	11/21/2016 14:58	Wastewater	locate manholes	Tim and I located all manholes from the end of the Doug Rd easement going towards the Rail Trail, we sprayed the ones we could and marked them with bright pink ribbon. The conditions of the grounds and the brush surrounding the manholes would not allow us to neither camera nor jet the line coming from the Rail Trail going towards Rosewood.
	Jonathan Dr/Doug Rd	Dig-Safe - Wastewater	11/21/2016 15:13	Wastewater	excavation for sewer and water	Tim and I marked "No Sewer" in the dig safe location
	WWTP	Daily Inspection	11/23/2016 11:32	Wastewater		main pump station
	WWTP	Daily Inspection	11/23/2016 11:34	Wastewater	record numbers test pumps report anything wrong	all other pump station
	WWTP	Misc Wastewater Work Order	11/23/2016 11:37	Wastewater	install new thermostat control in effluent sampler	wastewater plant
	WWTP	Misc Wastewater Work Order	11/23/2016 11:39	Wastewater	fix leak in jetta	ww plant
	WWTP	Generator Maintenance	11/23/2016 12:55	Wastewater	stony Brook Pump station	check oil and fuel
	WWTP	Sampling	11/23/2016 12:56	Wastewater	take to samples and delivery to lab	
	WWTP	Repair House Service	11/23/2016 13:01	Wastewater	set up new wheels for camera	
0	WWTP	Misc Wastewater Work Order	11/30/2016 8:19	Wastewater	Clogged pump	Monday I worked on twas pump #3 with Shanahan, it was plugged so we had to take it apart and replace both the suction and the discharge plungers.
25	Brooks St	Dig-Safe - Wastewater	11/30/2016 8:24	Wastewater	Rosewood Pond Manhole locations	Tuesday I did my report on what Tim and I found on the Rosewood Pond easement and submitted it to Dan Wednesday morning.
22	Longview Cir	Inspection - Wastewater	11/30/2016 8:26	Wastewater	Inspection	Final inspection at 22 Longview Circle
0	Pheasant Cir	Inspection - Wastewater	11/30/2016 8:28	Wastewater	New tie-ins	Inspected service tie-in into the manholes on Pheasant Cir for the new houses that Prescott is building
	WWTP	Misc Wastewater Work Order	11/30/2016 8:30	Wastewater	Plow meeting	Attended snow plow meeting at the highway garage

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	Gervais used car lot Littleton Rd	Complaint/Investigation - Water	3/15/2016 4:51	Water	service call	Low volume, upgraded meter, plastic service line with no tie card. ongoing investigation
1	Mill St	Hydrant Replacement	9/23/2016 13:19	Water	Dig and attempt to shut down for replacement	
		Dig-Safe - Water	10/25/2016 11:17	Water		
1	Mill St	Water Service Work	10/28/2016 13:46	Water	set up for insertion valve install	
0	Littleton Rd , Old Town Village	Valve Exercise	10/31/2016 12:40	Water		Met with Max, the maintenance man , about meter pit repair job. Located hate, and verified water shut down. With Tim
0	Fourth St site work	Water Service Work	10/31/2016 12:44	Water		Called Scott Hartwell Excavation about proposed work, and location of water main, curb stops , and blow off in the area
65	%3f Wright Rd	New Meter Installation	10/31/2016 12:46	Water		Went to install new meter, but there was no valve in place
25	Brook St	Misc Water Work Order	10/31/2016 14:47	Water	Admin, prepare for and attend Foreman's meeting	
11	Sandy Pond Rd	Complaint/Investigation - Water	11/1/2016 10:55	Water	bad test results, private hydrant leg not flushed for long time, flushed 3 hydrants on private property until clean	
1	Mill St	Hydrant Replacement	11/1/2016 10:56	Water	schedule job, plan	
6	Groton Harvard Rd	Flushing	11/1/2016 11:29	Water	Flush Hydrant due to WQ Complaints	Flushed for 15 Minutes at 700 GPM Cleaned up after 5 minutes
99	Barnum Rd	Misc Water Work Order	11/1/2016 15:08	Water	rounds, lab	
99	Barnum Rd	Misc Water Work Order	11/1/2016 15:09	Water	replace chlorine pump at Grove, calibrate, clean chlorine area	
100	Washington St	Water Tank Inspection	11/1/2016 15:13	Water	inspect and meet with fence contractor	
1	Mill St	Hydrant Replacement	11/1/2016 15:15	Water	set up for hydrant replacement this evening	
106	Washington St	Flushing	11/1/2016 15:16	Water	set up to begin flushing	
10	pingry way	Complaint/Investigation - Water	11/1/2016 15:20	Water	follow up WQ complaint with homeowner, review lab results	
	end Wright Rd	Misc Water Work Order	11/1/2016 15:23	Water	observe contractor putting in new foundations	
111	Haymeadow Ln	New Meter Installation	11/4/2016 12:14	Water	Water only meter	111 haymeadow
125	Haymeadow Ln	New Meter Installation	11/4/2016 12:16	Water		Install water only meter
33	3rd St	Misc Water Work Order	11/4/2016 12:40	Water		Cleaned up misc. pipes, at stand pipe. Pipes were removed for tank demo. Brought pipes to transfer station. Cleaned out trucks from yesterday's hydrant removal. Equipment maintenance

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17	Lawton St.	Final Read	11/4/2016 12:43	Water		Final read from radio and meter
5	Groton Shirley Rd	New Meter Installation	11/4/2016 12:44	Water		Upgraded meter and radio
0	Main St, Depot Square	Hydrant Replacement	11/4/2016 12:45	Water		Remove hydrant, cap pipe, fill, compact, grade hole. Trip to Baystate water works for parts
33	3rd St	Misc Water Work Order	11/4/2016 12:48	Water		Equipment maintenance, worked on building shelves in trailer. Shut off water to Old Town Village, Buxton Corp removed meter pit and repaired old pipes in ground. Turned water back on, flushed line, cleaned debris from meters.
0	Snake Hill Rd, Wright Rd, Mnt View, Standish, Wachusett Abe	Flushing	11/4/2016 12:52	Water		Flushed water main
0	Old Town Village	Water Service Work	11/4/2016 12:54	Water		Turned of water, so plumbers could cut in for new meters. Installed new meters, radios. Turned water back on, flushed building and hydrant
33	3rd St	Misc Water Work Order	11/4/2016 12:56	Water		Got materials and equipment ready for Mill St hydrant replacement .
1	Mill St	Hydrant Replacement	11/4/2016 12:57	Water		Replaced hydrant
1	Mill St	Hydrant Replacement	11/4/2016 13:04	Water	Prep, shutdown, replace and refill main	
50	Main St	Hydrant Replacement	11/4/2016 13:06	Water	remove hydrant at T entrance	
4	Sandy Pond Rd	Misc Water Work Order	11/4/2016 13:08	Water	meet w staff at Cains, meet w/ lab tech. Neshoba Analytical	
99	Barnum Rd	Misc Water Work Order	11/4/2016 13:27	Water	NEWWA Training seminar	
99	Barnum Rd	Misc Water Work Order	11/4/2016 13:28	Water	Daily rounds, look for gate at Tri-Moore	
99	Barnum Rd	Misc Water Work Order	11/4/2016 13:29	Water	admin	
86	E Main St	Dig-Safe - Water	11/4/2016 13:30	Water		
25	Pleasant St	Dig-Safe - Water	11/4/2016 13:31	Water		
11	Westford Rd	Dig-Safe - Water	11/4/2016 13:31	Water		
4	pine St.	Dig-Safe - Water	11/4/2016 13:34	Water		
11	Westford Rd	Water Service Work	11/4/2016 13:35	Water	put main back in service , flush	
33	pleasant St.	Final Read	11/4/2016 15:16	Water	Final read Tim	Final read
135	Oak Ridge Dr	New Meter Installation	11/9/2016 12:33	Water		Shut off water at curb stop, so plumber can change valve. Upgraded domestic and water ,only meters and added radios, with Tim

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						Cleaned and organized trucks and equipment , from hydrant replacement last night. Brought scrap metal to dump. Professional development training.
33	3rd St	Misc Water Work Order	11/9/2016 12:47	Water		
25	Brook St	Misc Water Work Order	11/10/2016 8:38	Water	Prepare for and attend foreman's meeting	
99	Barnum Rd	Misc Water Work Order	11/10/2016 8:39	Water	daily rounds and lab	
99	Barnum Rd	Misc Water Work Order	11/10/2016 8:41	Water	treatment plant maint. Grove	
49	Main St	Dig-Safe - Water	11/10/2016 8:42	Water		
15	Elm St	Dig-Safe - Water	11/10/2016 8:50	Water		
34	E Main St	Dig-Safe - Water	11/10/2016 8:50	Water		
25	Mill St	Hydrant Replacement	11/10/2016 8:52	Water	clean out and locate all gates for night time replacement	
100	Washington St	Water Tank Inspection	11/10/2016 8:53	Water	inspect and out with fence contractor	
40	Littleton Rd	DEP Report	11/10/2016 8:54	Water	Verizon replacing multiple pole resting against a/c water main	
4	Birch St	Flushing	11/10/2016 8:55	Water	flush dead ends	
99	Barnum Rd	Misc Water Work Order	11/10/2016 8:56	Water	admin	
99	Barnum Rd	Misc Water Work Order	11/10/2016 8:57	Water	daily rounds and lab	
25	Copeland Dr	Dig-Safe - Water	11/10/2016 9:06	Water	mark out poles for Verizon	
	Barnum Rd	Misc Water Work Order	11/10/2016 9:07	Water	meet with Thurber Backflow testing	
38	Littleton Rd	Dig-Safe - Water	11/10/2016 9:08	Water	out with Verizon setting poles against main	
99	Barnum Rd	Hydrant Replacement	11/10/2016 9:10	Water	set up trucks, materials, service backhoe, prep for night time hydrant replacement Mill St	
21	Mill St	Hydrant Replacement	11/10/2016 9:13	Water	shut down main, dig and replace hydrant , refill main	
99	Barnum Rd	Misc Water Work Order	11/10/2016 9:16	Water	clean and service all Water vehicles, restock, clean and service saws, pumps, after dig	
99	Barnum Rd	Misc Water Work Order	11/10/2016 9:17	Water	accept koh delivery Grove	
99	Barnum Rd	Misc Water Work Order	11/10/2016 9:19	Water	daily rounds	
99	Barnum Rd	Misc Water Work Order	11/10/2016 9:20	Water	daily rounds	
99	Barnum Rd	Misc Water Work Order	11/10/2016 9:20	Water	daily lab	
99	Barnum Rd	Misc Water Work Order	11/10/2016 9:21	Water	daily lab	

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39	Pleasant St	Pipe Replacement - Water	11/10/2016 9:22	Water	out w contractor	
35	Pleasant St	Pipe Replacement - Water	11/10/2016 9:22	Water	out w contractor	
44	Pleasant St	Pipe Replacement - Water	11/10/2016 9:23	Water		
99	Barnum Rd	Misc Water Work Order	11/10/2016 9:24	Water	admin	
60	Barnum Rd	Misc Water Work Order	11/10/2016 9:25	Water	daily lab and custodial	
33	3rd St	Misc Water Work Order	11/10/2016 10:30	Water		Ordered truck boxes for F-350. Trip to Napa for shop supplies and battery for air compressor. Removed old battery and installed new battery in compressor.
6	B Turtle hill	Final Read	11/10/2016 10:31	Water		Final read from meter and radio
33	3rd St	Misc Water Work Order	11/10/2016 10:32	Water		Dump run
33	3rd St	Misc Water Work Order	11/10/2016 10:32	Water		Dump run
52	Pleasant St	Inspection - Water	11/14/2016 10:50	Water	Witness pressure test	
	Apple Blossom	Inspection - Water	11/14/2016 10:52	Water		
60	Willard St.	Complaint/Investigation - Water	11/14/2016 15:08	Water		Customer needed info on how to shut off water for plumbing updates. Main shut off valve was hidden behind finished wall.
12	c Longview Cir	New Meter Installation	11/14/2016 15:09	Water		Reinstalled radio and activated it after trim was repaired
0	Pirone park	Water Service Work	11/14/2016 15:12	Water		Replaced curb stop for maintenance building.
0	Willow Rd	Water Service Work	11/14/2016 15:15	Water		Willows condos lower meter pit. Tried to repair broken meter but pit was full of water. Talked with Dave about pumping it out Wednesday for repairs
0	Grove pond plant	Grounds Maintenance - Water	11/14/2016 15:16	Water		Blew leaves around back parking lot
0	Copeland Dr, CPF	New Meter Installation	11/15/2016 10:48	Water		Replaced old 148 radios with new 154 radios, that have three months of memory.
65	Wright Rd	New Meter Installation	11/15/2016 10:51	Water		Finished installing wire and radio. The new meter had a malfunctioning head, diagnosed problem, replaced meter head. Turned on water
3	Norwood Ave	Final Read	11/15/2016 10:51	Water		Final read from meter and radio
33	3rd St	Misc Water Work Order	11/15/2016 10:54	Water		Owner of 41 Shirley St, brought in building permit to get signed by water and sewer. He had no tie cards, went to sewer dept., they had tie card for water, got permit signed by both depts.
60	Barnum Rd	DEP Report	11/15/2016 14:31	Water		
99	Barnum Rd	Bact-T Sampling	11/15/2016 14:32	Water	Chlorine sampling also	
25	Pleasant St	Valve Exercise	11/15/2016 14:33	Water	operate gates rechlorinate main for sampling	

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99	Barnum Rd	Bact-T Sampling	11/16/2016 7:23	Water	inventory and order, get po's	
60	Barnum Rd	Bact-T Sampling	11/16/2016 7:30	Water	pick up parts , repair exit signs and emergency, Grove Pond	
99	Barnum Rd	Misc Water Work Order	11/16/2016 7:35	Water	daily lab and rounds	
99	Barnum Rd	Misc Water Work Order	11/16/2016 7:43	Water	AFD inspection Grove WTF	
0	grove St.	Jetting/Cleaning	11/16/2016 13:24	Water		Jetting warthog and camering
91	Groton School Rd	Shut Off	11/16/2016 14:54	Water		Located curb stop, cleaned it out with air compressor, shut off curb stop, removed meter from house, drained it.
29	3rd St	Misc Water Work Order	11/16/2016 14:56	Water		Two dump runs, trip to Moores for hydrant bollards.
0	Mill St, Shirley St	Leak Repair	11/16/2016 14:58	Water		Dug hole to repair leaking gate valve
99	Barnum Rd	Misc Water Work Order	11/17/2016 15:07	Water	daily rounds and lab	
	Apple Blossom	Complaint/Investigation - Water	11/17/2016 15:10	Water	witness tapping sleeve and tap installation	
30	Littleton Rd	Dig-Safe - Water	11/17/2016 15:11	Water	out w/ Verizon , installing new poles on AC main	
	Pleasant St	Pipe Replacement - Water	11/17/2016 15:13	Water	out w/ contractor	
25	Mill St	Leak Repair	11/17/2016 15:15	Water	dig and plate line gate for Hydratech repair	
39	E Main St	Hydrant Replacement	11/17/2016 15:19	Water	shut down main and refill for hydrant replacement Main and Pleasant	
9	Shirley St	Leak Repair	11/17/2016 15:21	Water	oversee valve rebuild and fill in trench	
99	Barnum Rd	Misc Water Work Order	11/17/2016 15:22	Water	plant maint.	
99	Barnum Rd	Misc Water Work Order	11/17/2016 15:25	Water	admin	
99	Barnum Rd	Misc Water Work Order	11/18/2016 7:34	Water	order lab supplies	
64	Littleton Rd	Flushing	11/18/2016 7:35	Water		
27	Harvard Rd	Flushing	11/18/2016 7:36	Water		
60	Barnum Rd	Misc Water Work Order	11/18/2016 8:23	Water	cut pavement and pump out holding tank to prep for removal at Grove	
0	Mill/ Shirley	Water Service Work	11/18/2016 13:58	Water		Uncovered hole, helped Hydro Tech with valve repair. Investigated buried box, found it is a curb stop to 23 Mill St. Repaired Buffalo box, filled and compacted hole
55	/29B Littleton Rd	Final Read	11/18/2016 13:59	Water		Final read from meter and Radio
20	Tannery St.	Final Read	11/18/2016 14:00	Water		Final read from meter and radio

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33	3rd St	Misc Water Work Order	11/18/2016 14:01	Water		Met with Boston Mutual insurance
0	Main St/ Pleasant St	Water Service Work	11/18/2016 14:04	Water		Shut down water main so Riccardi could replace hydrant and gate valve on main St. Filled water main when job was finished. With Tim
33	3rd St	Misc Water Work Order	11/18/2016 14:08	Water		Equipment maintain , installed tool box in F350. Repaired tail gate on F350. Cleaned and put away stock upstairs. Checked in on Riccardi to put housed back on new services.
48	Pleasant St	Pipe Replacement - Water	11/18/2016 15:06	Water	Out several times thru-out day , temp services switched over,	
	Apple Blossom	Pipe Replacement - Water	11/18/2016 15:07	Water	Out several times with contractor, inspect work, determine hydrant location	
99	Barnum Rd	Misc Water Work Order	11/18/2016 15:08	Water	troubleshoot media loss , Grove	
99	Barnum Rd	Misc Water Work Order	11/18/2016 15:12	Water	plant maint, blown line, plugged inj. quill	
99	Barnum Rd	Misc Water Work Order	11/18/2016 15:21	Water	Daily lab	
99	Barnum Rd	Misc Water Work Order	11/18/2016 15:22	Water	Pump rebuild instruction	
0	hedgeway	Weekly Inspection	11/21/2016 9:38	Water		Two man
0	wright way	Weekly Inspection	11/21/2016 9:38	Water		Two mans
0	Willows condos, Willow rd	Water Service Work	11/21/2016 9:41	Water		Checked on flooded meter pit, at bottom of hill. It needs to be pumped out for meter ID for repairs
33	3rd St	Water Service Work	11/21/2016 9:43	Water		Dump run, brought waste oil to main garage, talked with Mike about water separator repair on F350 dump. Fueled f350
25	Brook St	Clean Wet Well	11/21/2016 10:41	Water	Clean car rack main	Bar rack cleaning
0	central ave	Clean Wet Well	11/21/2016 10:41	Water		Clean central ave bar rack
60	Barnum Rd	Misc Water Work Order	11/22/2016 11:31	Water	admin, prepare for and attend Foreman's meeting	
	Apple Blossom	Water Service Work	11/22/2016 11:33	Water	Witness water main installation and determine curb stop, hydrant location	
48	Pleasant St	Pipe Replacement - Water	11/22/2016 11:36	Water	Out w/ contractor, switched last few homes off temp water	
34	Highland Ave	Flushing	11/22/2016 11:37	Water	flush dead end hydrants	
	Apple Blossom	Water Service Work	11/22/2016 11:41	Water	Flush and fill new main for pressure test, contractor	
99	Barnum Rd	Water Tank Inspection	11/22/2016 11:47	Water	excavate holding tank in parking lot for removal	New garage

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99	Barnum Rd	Misc Water Work Order	11/22/2016 11:51	Water	Daily rounds, lab, disassemble ,clean and flush permanganate plumbing	
25	Mill St	Leak Repair	11/22/2016 11:54	Water	prep trench, raise gates and assist with paving and plate removal	
38	Pleasant St	Water Service Work	11/22/2016 11:54	Water	out w/ contractor	
0	Cambridge St.	Jetting/Cleaning	11/22/2016 12:32	Water		Cambridge to Williams jetting and cameraing
161	W Main St	Repair Manhole	11/22/2016 12:33	Water	Wastewater Points	W main in front of fire station, prepare manhole for paving
0	Bennett's	Weekly Inspection	11/22/2016 12:34	Water		Bennett's do station and fill propane
11	Sculley Rd	Dig-Safe - Water	11/23/2016 8:12	Water		
136	W Main St	Dig-Safe - Water	11/23/2016 8:13	Water		
99	Barnum Rd	Water Tank Inspection	11/23/2016 13:06	Water	Daily rounds	
12	Pleasant St	Water Service Work	11/23/2016 13:08	Water	out w/ contractor	
5	A Samantha Lm	Final Read	11/23/2016 13:09	Water		Final read and upgrade meter
11	Sculley Rd	Misc Water Work Order	11/23/2016 13:11	Water	met w/ Maher re: Spec	
33	3rd St	Misc Water Work Order	11/23/2016 13:11	Water		Dump run, verify address for final read on Monday ,cleaned ok fence and debris from old storage tanks
99	Barnum Rd	Misc Water Work Order	11/23/2016 13:11	Water	Daily lab	
99	Barnum Rd	Misc Water Work Order	11/23/2016 13:12	Water	treatment plant maint.	
15	Fletcher St	Shut Off	11/23/2016 13:13	Water		Find curb stop, blow it out with compressor , shut off water, remove and drain water meter
60	Barnum Rd	Misc Water Work Order	11/23/2016 14:35	Water	Annual calibration of master meters at Grove	
25	Brook St	Misc Water Work Order	11/29/2016 10:50	Water	admin , prepare for and attend Foreman's meeting	
43	Pleasant St	Water Service Work	11/29/2016 10:51	Water	out with contractor	
99	Barnum Rd	Misc Water Work Order	11/29/2016 10:51	Water	daily rounds and lab	
99	Barnum Rd	Water Tank Inspection	11/29/2016 10:53	Water	setup and pump holding tank to prep for removal	
	Apple Blossom	Flushing	11/29/2016 10:54	Water	set up and flush new main for bac sampling	
100	Washington St	Water Tank Inspection	11/29/2016 10:56	Water	tank insp.	
37	Pleasant St	Water Service Work	11/29/2016 10:57	Water	out w/ contractor	
263	Old Farm Way	Inspection - Water	11/29/2016 10:58	Water	meet w/ contractor	
45	pleasant St.	Final Read	11/30/2016 15:05	Water		Verify from radio
2	ledgeway	Shut Off	11/30/2016 15:06	Water		Shut off and final read

111	Fitchburg red	Water Service Work	11/30/2016 15:07	Water		Searching for curb stop in driveway
0	spec pond	Booster Pump Station Maintenance	11/30/2016 15:08	Water		Servicing well pump 2
99	Barnum Rd	Misc Water Work Order	11/30/2016 15:19	Water	daily rounds	
46	Pleasant St	Water Service Work	11/30/2016 15:20	Water	out w/ contractor	
	Apple Blossom	Valve Exercise	11/30/2016 15:21	Water	Operate valve for contractor chlorinating main	