

Public Works/Water & Sewer Utilities Departments
Monthly Report for
November 2016

1. Administration

- 1.1 DPW Administration received 209 phone calls for the month of November.
- 1.2 Went on RIB site walk with Underwood Engineers. Met about pilot test at site.
- 1.3 Met about Dockside and Winter Harbor watershed with Underwood Engineering.
- 1.4 Went to Board of Selectmen meeting.
- 1.5 Held bid opening for excavator.
- 1.6 Had meeting at Dockside building with restaurant tenant.
- 1.7 Met with Budget Committee on Public Works 2017 budgets.
- 1.8 Met with interim building inspector about new cellular service, U.S. Cellular attaching onto South Main Street water tower.
- 1.9 Met with Bergeron Technical Services about Dockside building.
- 1.10 Had a meeting with Underwood Engineers about dockside parking lot and boat launch.
- 1.11 Had telephone conference with Underwood Engineers on projects.
- 1.12 Went to permit review for U.S. Cellular on water tank cell tower.
- 1.13 Met with NHDOT District 3 Gilford Chief Engineer.
- 1.14 Met with Underwood Engineering about library building and dockside.
- 1.15 Went to see Girl Scouts of Wolfeboro robotics presentation to be done at UNH competition.
- 1.16 Went to Restroom Committee meeting.
- 1.17 Held asset management kickoff meeting at water treatment plant.
- 1.18 Held meeting to review mast landing project with CEI engineering company.
- 1.19 Met with Town Planner and Cartographics Company about Town GIS.
- 1.20 Met with Budget Committee on 2017 Water & Sewer budgets.
- 1.21 Held meeting at water treatment plant with operators about asset management plan and budget.
- 1.22 Met with paving contractor about planning 2017 paving projects.

2. PW Garage

- 2.1 Install alt diode HD-14
- 2.2 Repair brake line HD-14
- 2.3 Complete service WS-6
- 2.4 Replace hydraulic line HD-17
- 2.5 Replace water pump ME-2
- 2.6 Complete service HD-13
- 2.7 Replace all 4 tires PW-codes car
- 2.8 Replace all 4 tires HD-2
- 2.9 Repair parking light wire HD-2
- 2.10 Repair on spot chain HD-2

- 2.11 Complete service HD-1
- 2.12 Replace all 4 tires HD-1
- 2.13 Replace 2 front tires HD-18
- 2.14 Replace hydraulic line HD-3
- 2.15 Replace sander drive chain HD-17
- 2.16 Repair fuel line HD-whacker
- 2.17 Road call jump start HD-15
- 2.18 Replace all 4 tires Ws-3
- 2.19 Repair saw HD-saw
- 2.20 Replace battery PD-007
- 2.21 Repair tail light ME-9
- 2.22 Replace fuel tank HD-6
- 2.23 Replace rear tires HD-6
- 2.24 Replace all 4 tires PD-6
- 2.25 Install whippers SW-D1
- 2.26 Complete service PR-2
- 2.27 Install spinner assembly HD-3
- 2.28 Install door handle HD-12
- 2.29 Replace power stirring line HD-10
- 2.30 Repair driver side door HD-10
- 2.31 Complete service HD-10
- 2.32 Install sander stander HD-9
- 2.33 Complete service PD-5
- 2.34 Repair check e-light HD-15
- 2.35 Complete service FD-9E1
- 2.36 Replace thermostat ME-9
- 2.37 Replace fuel filter HD-bob cat
- 2.38 Complete service HD-4
- 2.39 Replace upper rad hose HD-4
- 2.40 Repair shifter HD-13
- 2.41 Repair tire HD-3
- 2.42 Complete service ME-3
- 2.43 Replace 3 fuel injector HD-7
- 2.44 Replace clutch brake HD-7
- 2.45 Repair air leak HD-7
- 2.46 Replace hydraulic wing line HD-7
- 2.47 Repair tire HD-3
- 2.48 Repair sander chain HD-11

3. Highway

- 3.1 Patched pot holes
- 3.2 Maintained signs
- 3.3 Continued with vehicle maintenance & cleanliness
- 3.4 Responded to 4 winter events

- 3.5 Hot topped
- 3.6 Graded dirt roads
- 3.7 Fixed washouts on town roads
- 3.8 Completed service request forms
- 3.9 Office work
- 3.10 Marked snow routes
- 3.11 Set up winter equipment
- 3.12 Worked around the shop
- 3.13 Completed side walk project
- 3.14 Leaf vacuuming ditch lines and culverts

Solid Waste

4.1. Recyclables sent out:

- 4.1.1. 10 Planet Aid boxes (clothing)
- 4.1.2. 2 40 yd. metal containers
- 4.1.3. 27 bales of mixed paper
- 4.1.4. 28 bales of card
- 4.1.5. 5 + tons of tires
- 4.1.6. 32 tons of glass
- 4.1.7. 32 tons of shingles

4.2 Sent out:

- 4.2.1 11 MSW compactors
- 4.2.2 9 C+D containers

4.3 Baled:

- 4.3.1 3 aluminum
- 4.3.2 4 tin
- 4.3.3 6 plastics
- 4.3.4 24 cardboard
- 4.3.5 25 mixed paper

4.4 Town barrels

5. WWTF

5.1. Regular O & M

- a. Plant Influent and Effluent were tested to monitor quality of plant effluent.
- b. Certified laboratory analysis continued for the Plant, Spray Area, RIB, and Pond sampling locations.

5.2. Plant Projects

- a. Continued data entry into the HACH WIMS and SEMS database systems.
- b. Annual Service on Aeration tanks, Clarifiers, and Contact Chamber
- c. Started reconditioning RIB Site monitoring wells.

- d. Continued trimming grass and brush around pond, half pipe, and field areas.
- e. Drained Spray Area system for winter.
- f. No water was sprayed in the spray area during the month of November.

5.3. RIB Operation

- a. The RIB Operation pumped 6,000,000 gallons to the RIB site.
- b. Continued to monitor the RIB site operation.

5.4. Completion of Out of Scope work

5.5. Plant Flows vs. Rainfall

Wolfeboro WWTP Effluent / Rainfall			
Year to Date thru end of November			
Year	Effluent (M Gallons)	Ave Effluent Flow YTD (Gallons/Day)	Rainfall YTD (Inches)
2016	79.980	239,461	36.30
2015	85.549	256,135	34.25
2014	101.177	302,925	41.84
2013	107.946	323,192	43.02
2012	92.781	277,787	37.00
2011	131.105	392,530	54.58
2010	119.477	357,716	41.16
2009	136.502	408,689	47.52
2008	140.507	420,680	53.94
2007	122.095	365,554	44.21

6.0 WTP

- 6.1 Routine operations and maintenance
- 6.2 Routine bacterial sampling
- 6.3 Disinfection By Product testing
- 6.4 Meeting with Underwood Engineers re. Asset Management
- 6.5 Scott Pike started as Chief Operator
- 6.6 Re run soda ash line from soda ash room to filter room
- 6.7 Installed new injector on soda ash line
- 6.8 Clean finished turbidimeter
- 6.9 Calibrate online post pH turbidimeter
- 6.10 Repair #2 Bailey positioner
- 6.11 Installed new alignment coupling on #2 filter
- 6.12 Placed new CFE chlorine pump on line
- 6.13 Emergency repair to finished turbidimeter
- 6.14 Re-set Raw Turbidimeter
- 6.15 Pond Level -28"
- 6.15 2.94" of precipitation for the month
- 6.16 Delivered 9,019,200 gallons to distribution

YTD 2016	138,025,600	ADF 412,017
YTD 2015	142,612,800	ADF 425,710

7.0 Water Distribution & Sewer Collection

- 7.1 Monthly Meter Reads
- 7.2 Blown out gate boxes on Port Wedeln
- 7.3 Cold patched gate box repairs on Port Wedeln
- 7.4 Installed new relays at Lehner Street station
- 7.5 Installed new 2 inch service line at 25 Libby Street
- 7.6 Built new Bridge on Old Wakefield Rd.
- 7.7 Repaired sewer leak at top of High Street
- 7.8 Water Main break repaired at corner of Port Wedeln and Winterhaven
- 7.9 Raised gate boxes on South Main sidewalk where new sidewalk was installed
- 7.10 Gravel in front of new bridge to make even with road
- 7.11 Re tarped RIB
- 7.12 Dragged RIB gravel road
- Cut brush at RIB
- Repaired leak at beginning of McCarthy Anna(private water service)
- Repaired broken water main at 15 Winterhaven
- Sewer back up on top of Cropley Hill
- Sewer back up and jetted 21 Grove Street
- Major sewer plug at bottom of High Street9 dug and repaired
- Jetted sewer at 25 Center Street(homeowners)
- New curb stand at 157 North Main
- New curb stand at 125 Middleton Road
- Hooked up spreader on ws5
- New water service at 291 Center Street
- Numerous amounts of water turn offs