

# Hardwick WPCF Superintendents Report

December 18, 2017

## Completed:

11/15/17 RJMcDonald performed work on Gilbertville furnace; tune up, new expansion tank, relief valves. Staff cleaned unit heaters in effort to get more airflow. Added 2 electric space heaters to building in effort to maintain temperature above 50°F.

New tires for Ford F-250 11/16/17 \$600.

11/30/17 Wayne Perry weld-repaired railings on secondary clarifier (Gville) that were damaged years ago and banded together with duct tape. \$300.00

EERS replaced wiring harness again on plow to F-250 truck; completely destroyed over summer by mice. \$286

## Alarm log:

11/11/17 Wheelwright Pump Station: JY and RK responded and cleaned float to ejector pot. Was cleaned as a preventative measure 11/9/17 but can be fouled easily with certain grease/solids.

11/14/17 Gilbertville and Eagle Hill Pump Station Power failure alarms: JY responded and checked G.Ville pump station also at my request. Wheelwright did not call out but should have; suspect bad UPS backup power supply to computer and contacted ITS to order replacement; new backup power supply installed by ITS 11/27/17.

11/18/17 Eagle Hill Pump Station alarm: JY responded and found low level on arrival. Waited until level rose and reset same. Wetwell here is very shallow and float levels are close to transducer set points because of depth constraints. When well is turbulent from high flow the pumps can overshoot the shut off point and trigger the low level float.

12/07/17 call from dispatch at 5:05 pm for report of "blinking red light at Gilbertville station"; Curious, as we don't have any red lights that flash in Gilbertville but Potter checked the plant and station...nothing. Drove to Wheelwright; pump station fine but light flashing at the WWTP for a #2 influent pump failure. Reset and tested in Hand...pumped OK at normal amperage. Young noted that this was an ongoing issue in the past with #2 pump giving nuisance alarms.

12/17/17 Another Influent pump #2 failure alarm at Wheelwright 4:30 pm. Potter responded (w/ officer dispatched by Chief Ayotte) and reset alarm, tested pump in hand. Young responded a couple hours later in response to earlier dispatch call to find everything OK. Potter reminded Young of need to call Superintendent before responding to a call.

## Ongoing:

-Joel Harder attempted sewer connection for Kathleen Verratti on 24 Pine St., paid drainlayers license fee, connection permit fee and inspection fee 11/14/17. Did not supply plans for connection or fill out form for drainlayers license. Contacted him regarding same; he plans to start digging 11/15/17. His crew worked 3 days but could not find stub. We tried to facilitate by providing maps, etc., that have been accurate in the past. Suggested he hire a camera crew to verify there is a stub; he did but it was an old camera with inconclusive results. All checks were returned to him and final signed drainlayers license never issued. 12/3/17 Homeowner hired Mobile Robotics (Charlie Brown) to camera the main and verify that there is indeed a lateral installed and directed to her property. Jason Gerulaitis noted he would be attempting this job for homeowner.

-11/15/17 #2 pump at Eagle Hill tripped out on Seal Leak alarm. Would not reset. Ordered oil for same (very specific) after setting up account w/ Lubrication Technologies. Oil arrived 11/24/17; changed oil in #2 pump as well as o-rings on both oil plugs. Replaced pump and tested after resetting Seal Leak alarm. Ran and pumped fine. Pump failed again after 0.3 hours over the following weekend. Price for new pump: **\$9850** and 8-10 week shipping from Sweden. Representative from Flygt stopped in 12/1/17 and requested we try draining some oil out of the pump before pulling it to send out. According to him, the 2 quarts of oil prescribed in the Operations manual is a little too much. We drained out 250ml, reinstalled the pumped and it went down again after 0.3 hrs. Dropped pump off in Woburn, MA repair facility 12/8/17 and received estimate back for \$2137; they did note that entire pump (I can verify) is covered with some type of abrasive substance it appears to have picked up while in the wet well and it appears this is what destroyed the lower seal. Warrantee will not be honored but I did get 15% off parts today, total should be **under \$2000** now. Approved repair 12/18/17 via e-mail and phone.

## Proposals:

-Try one more time to turn 3-way valve on first Eagle Hill line BPV inlet to enable us to put this BPV back into service. If this doesn't work, contract original installer to replace valve. Check downstream BPV for cleanliness and clean if needed, put back into service. **--On hold until we have 2 pumps back into service--**

11/15/17 NE3 repaired 2 of our 4 samplers per previous quote. Amount authorized was \$959, invoice ended up at \$784. In addition to these repairs, he states 3 of the cooling systems will all need replacement by warm weather and that the samplers are getting past their useful life. \$3100 for the 3, \$500 for installation, plus \$750 (!) shipping. New outdoor rated composite samplers are \$5200-\$7000 each depending on brand. Negotiated complete price of 3 cooling systems down to **\$3294.50** after a few attempts; recommend we proceed with this but it won't be too many years before we will need new units.

-Glass and More requested I get a count of all padlocks and doors at facilities that we would like done to increase security. I counted 9 padlocks and 8 doors. He quoted **\$2300.00** for 4 padlocks and 8 doors; this includes replacing knobs with levers to meet 'new code' which I believe may not be applicable to facilities which were not designed to be handicapped accessible. Holyoke Lock detailed estimate (based on visit to sites 11/29/17) for 10 key-alike padlocks (9 needed plus a spare) and 8 door cylinders keyed alike (with 8 key copies) plus some new door hinges and other minor adjustments/repairs: **\$1901.90**

-Recommend we get 2 spare Influent Pumps for Wheelwright WWTP. This has been a concern for years and brought up by previous Superintendents (?) but never followed up on. If both these pumps were to fail, the entire WWTP would be inoperable. Price for a new pump \$4000 plus shipping from Maine. We may need a new one sooner than later (for #2 replacement). **~\$8500.**

