

## Completed:

-07/11/18 Performed “dirty flush” on Eagle Hill line by holding both BFV’s open with compressed air and running both pumps in hand. Because of much greater leaks in aftermarket air lines than anticipated by Tighe and Bond, we purchased an additional 6-gallon pancake style air compressor to facilitate this flushing (\$100).

-07/17/18 Replaced motor on #2 Gilbertville Secondary Clarifier with recently purchased spare. Old motor took out a thermal overload FH20 as it blew and we have no spares; they are obsolete. Replaced with FH17 for now. Ordered (3) New Old Stock from eBay as well as (3) FH27 units that our electrician was reportedly looking for these past months (for aerator motor starters). Put in for reimbursement for eBay purchases. (\$45.00)

-07/19/18 Vent fan in Wheelwright Laboratory hasn’t functioned in years. Room is very hot (90F) and humid possibly affecting computer and electrical equipment. Laboratories are required to be temperature controlled. Purchased portable A.C. unit to install in room (Lowe’s \$500)

-7/27/18 Performed another “Dirty Flush” on Eagle Hill force main. BPV’s forced open at 9am with 8-psi; closed at 2pm after running both pumps in Hand for full cycle 4.5’ to 3.0’ at 1:45pm.

-8/7/18 Ware jetter out for preventative jetting on 12” lines in Gilbertville that have a history of root intrusion. Not enough time/water to thoroughly clean line that runs under tracks in back of Rose32; plan to return 8/17 to try again. 8/17/18 10:45 to 12:45pm jetted 125 feet up from manhole D3 towards E1. Removed heavy roots, bricks, debris and rocks. **This line is a priority for replacement!!**

-8/13/18 7pm Town meeting to discuss solids removal and pH control at Eagle Hill High School prior to entry into Hardwick sewer system. Agreement to be finalized prior to September 10 per Sewer Commissioners vote.

-8/16/18 Dan from Tighe and Bond on-site 9am-1:30pm. Adjusted BPV pressure settings at both locations and did several tests to check pressure effects on flow rates. **Subsequent to this work, we were notified by Hardwick Police that we can no longer perform any work along this line (Rt.32A) without a Police detail for traffic control. We were also advised that Tighe and Bond and/or Eagle Hill staff cannot assist the Town with work, operations, or traffic control until they draft a “hold harmless” (?) or other agreement with the Town. (Theresa can expand on this).**

-Matt Provencal gave his 2-weeks notice of resignation at 7am. He advised that his last day would be Labor Day (September 3) and that he would be using Sick Time from August 29 through 31. Superintendent determined it would not be prudent to schedule Matt to work the Holiday as his final day after 5 consecutive days off and WWTP keys were returned to Potter on August 28.

-David Johnson started 9am 8/28/18. Updated alarm dialers to remove M.Provencal. David has the Town cell phone originally issued to Rich and then Matt. (774)757-8719. D.Martel came in 2 mornings over Labor Day weekend for training and assisted with confined space entry in Wheelwright.

-Odor complaint (repeat) from Sarah Small on Dow Rd. Staff responded 8/31/18 morning and did smell a sulfur-like odor of unknown origin though nothing measurable on our Hydrogen Sulfide meter. Inspected area again where neighbors line was hooked up last year, no indication of any leaks or odor originating from sewer lines. Possible sources of odor abound as this residence is along a stream, next to a large swamp and down a hill from a large supply of manure and apparent rotting silage.

-9/10/18 Drainlayers Permit issued to “WOW That Looks Good Landscaping” West Springfield, MA \$125 fee paid in full

-8/15/18 Marty from Highway reported that the E-One sewage pump is overflowing. Assisted him in pulling same to find it was pumping fine but filling upper "dry" chamber because of leaking seal at discharge line. Marty replaced seal and system is pumping normally.

-8/15/18 #3 pump at Gilbertville pump station down on 'ground fault'. Lagrant electric out to troubleshoot and determined that fault is originating from Pump. Modified both #1 and #3 pump rails to allow for pumps to be pulled out similar to what was done by PVE earlier in the year to #2 rails. (Pumps could not be pulled out as installed). 9/19/18 Pulled Pump #3 at Gilbertville Pump Station with assistance from EERS and installed spare rebuilt unit. Lagrant Electric wired up rebuilt pump 9/20/18 and we tested same successfully. 3 pumps back in service at this time.

-8/16/18 Seal Leak Alarm came back to #2 pump at Eagle Hill Pumping Station. Spoke to Dick at Xylem who recommends pulling it and bringing it to Woburn again for diagnosis. (?). 9/12/18 Pulled the pump, Don from Highway dropped it off in Woburn at Xylem. David picked up pump the following day supposedly repaired. Staff reinstalled 9/19/18 and wired same, tested OK. Put back into service in Auto, alternating lead with #1.

### **Alarm/Call-In/Overtime log:**

-7/13/18 11:10am Alarm, Wheelwright Pump Station High Level. Cleaned greasy float and monitored until pumped down

-7/22/18 3am Eagle Hill alarms: #1 pump failure, #2 pump failure, backup power online. Provencal responded to find leg of power out and station running fine on backup generator. Called National Grid to verify they are addressing outage. Power restored by 7am station check.

-7/28/18 Provencal called Potter during weekend rounds, 8am, to alert Potter that sludge piping in Wheelwright WWTP has blown a leak, spraying sewage into corner of new building. Potter came in, picked up new elbow previously ordered at BEC months ago in anticipation of this, and WPCF staff installed new elbow, put #2 SBR back into service.

-8/1/18 9:15 pm Wheelwright Pump Station High Level. Float stuck in down position with heavy grease. Cleaned float.

-8/2/18 4am Wheelwright Pump Station High Level. 3-way valve stuck in vent position on arrival, cold to the touch and possibly iced up from high humidity and heavy flow from earlier high level? Lowered setting on firing timer to allow more air pressure to build in between cycles to assist 3-way valve in closing more positively.

-8/21/18 8:30pm Wheelwright Pump Station High Level Alarm: Cleaned float, adjusting ejection timer, monitored station until caught up with backup.

-8/29/18 11:40 am High Level alarm, Wheelwright Pumping station. Cleaned float and monitored until pumped down.

-9/2/18 12:30 pm Wheelwright WWTP alarms, #1 hypochlorite failure and #2 Hypochlorite failure. These systems are not even active (abandoned years ago) so unsure where alarm originated from. Performed exhaustive round of WWTP searching for possible causes of alarm that may be labeled wrong in alarm system, nothing.

-9/12/18 8:15am #1 Pump failure at Eagle Hill. Found the VFD in Motor Overcurrent. The pump would not run after resetting the fault either in Hand or Auto although at least one contact could be heard pulling in. Lagrant Electric came in and we pumped down the well by putting #1 in "BYP" and running it in Hand while checking the amperage which appeared normal. On returning the system from "BYP" to "AFC" the pump operated normally in Hand and Auto

-9/15/18 Power outage alarms. Don called in David to assist and Potter assisted via phone while vacationing. Was a short power blip at Gilbertville WWTP, Gilbertville Pump Station and Eagle Hill.

-9/16/18 During weekend rounds, Don found RAS pumps in Gilbertville off and VFD for #3 without power. Called in Dave to assist and reset breaker supplying power to #3.

-9/18/18 9:30am Eagle Hill Pump station Power Failure, responded to find backup generator running station fine. 2 of 3 legs out on main power, reported same to National Grid and noted top of pole looks tweaked and possible fresh dead fall tree next to power lines. National grid restored power within 3 hours. Checked station to find normal operation.

### **Ongoing:**

### **Proposals:**

-The automatic cleaning barscreen at the Gilbertville Pump Station has worn to the point that the 8 cleaning assemblies are binding on the scraper bar ("debris blade"). Staff added low friction plastic to stainless scraper to get it running again but we should order spares in case a cleaning paddle gets damaged to the point it is not operable. Quote for 8 scraper assemblies and replacement debris blade: \$715.00 plus shipping *Holding off on this until funding improves; ordered (2) cleaning paddles (\$120 plus shipping) to get us by.*

-New spare KSB pump for Gilbertville Pumping Station. We decided last time we had a pump rebuilt that next time we would just buy a new one based on the small difference in price. The last rebuild was \$4100 and it didn't need any electrical repairs; this one likely does (went out on Ground Fault). **\$6817 NEW.**