

# Hardwick WPCF Superintendents Report July 09, 2018

## Completed:

-6/25/18 Replaced motor on #4 aeration basin mixer at Gilbertville WWTP with spare purchased a few months ago. Staff installed and completed wiring. No additional spare motor on hand at this time; #3 aeration mixer has no motor as it was used to replace #4 the first time it failed and that since failed also. Plan is to hope existing motors last until upgrade.

## Alarm/Call-In/Overtime log:

-06/18/18 1pm High Level Alarm, Wheelwright Pumping Station. Cleaned probe, monitored until pumped down.

-06/18/18 7pm Power Outage at all facilities. Potter and Provencal responded and shut off flow to Wheelwright Pump Station (no generator). Reset PLC at Eagle Hill Pump Station as it froze up (rebooted by unplugging/replugging backup power supply). Restarted RAS pumps at Gilbertville WWTP. Logic at Wheelwright WWTP was reset upon power restoration. Rechecked all facilities once power was restored and restarted Wheelwright Pump Station. Power restored 10pm.

-06/24/18 12:30pm, Wheelwright Pump Station high level alarm. Cleaned greasy float, monitored until pumped down.

-06/27/18 Midnight, Wheelwright Pump Station high level alarm. Cleaned greasy float, monitored until pumped down.

-06/29/18 7:30am, Wheelwright Pump Station high level alarm. Cleaned greasy float, monitored until pumped down.

## Ongoing:

Meeting at Eagle Hill 6/25/18 to discuss pump station/force main with Tighe and Bond. Plan is for Town to have manholes pumped of water 6/26/18 (Alm Septic), Tighe and Bond to come out 6/27 to install modifications to backpressure valve manholes and get 3-way valve free, then Eagle Hill to order taker w/ 9000 gallons water to dump in station 6/28 for flush. Borrowed portable generator from Highway to run our portable air compressor.

6/27 to 6/28: Tighe and Bond attempted to open 3-way valve that won't open at first BPV structure, no go. Installed their air lines to allow for manual opening of Ross BPV's on both structures. Dan from T&B returned 6/28 to assist with flushing of line. Put 2<sup>nd</sup> BPV back into service first, spent 3 hours flushing 9000 gallons from tanker. 1<sup>st</sup> BPV was put back into service after this by finally getting that 3-way inlet valve to move. Followed up with ~2500 gallon flush provided by Eagle Hill campus. Pumping at 55psi, 40gpm. Station back to Auto operation at 2pm. ***Per station design flow (120GPM), MassDEP, and Dan's recommendation we are now checking the station DAILY.***

## Proposals:

-Jet hose to jetting trailer has delaminated to the point that it is dangerous and difficult to clean. Recommend we replace before using this jet again. \$500. ***Couldn't do in 2018, order now?***

-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 ***2019 fiscal***

-We have been sharing a portable D.O. meter between both plants since the obsolete unit for Wheelwright failed a year ago. Especially now that we try to staff both facilities I recommend we purchase a new meter for Gilbertville and use the working unit we have at Wheelwright. \$826.50 ***Couldn't do in 2018, order now?***

