

Poughkeepsies' Water Treatment Facility

MEMORANDUM

June 27, 2018

To: Joint Water Board

From: Randy J. Alstadt, P.E.
Water Plant Administrator

Subject: **June 2018 Status Report**

Water Quality/Production Issues

As of this date June average daily raw water flow was 11.5 MGD compared to 11.0 MGD in May and 11.1 MGD in June 2017. Water quality has average 0.04 NTU which is identical to May and significantly less than the 0.30 NTU standard.

Plant Update

Plant operated well. The solids thickener had 1.0 feet of solids at the end of May which was 1 foot less than April 2018. Centrifuge average operating rate was 20 gpm (66% of April). This reduction was caused by increase in solids concentration of centrifuge feed solids.

Our ozone system is working well.

We have continued adding chlorine to backwash water for filters to reduce biological growth. This action no longer seems to be improving filter runs.

All Solids Contactors and Sedimentation Basins were drained for preventive maintenance. Maintenance was completed on the final basin (Basin #1). Floating covers were installed on all Sedimentation Basins.

We are conducting preparation for the removal and replacement of Low Lift Pump #1 check valve. A door has been cut into the east wall of the pumping station to bring new valve in and old valve out. A hoist has been constructed to remove and replace valve.

The valve stems have been received for filter box drain valves. Filter #3 has been repaired. Stems for other filters will be replaced in the fall.

Upgrade

PLC bid has not been released.

Trailer manufacturing is continuing. We are going to conduct a site visit to establish construction progress and fix a realistic delivery date. Our existing trailers continue to degrade. One trailer broke down in June and had to be repaired at City garage. RLJ Electric has not completed any further work.

Staffing

One of our Maintenance Mechanics continues to be out due to a non work foot injury. His latest Doctor's excuse states he will be out until July.

New Polyaluminum Feed System

Work on the new system has been completed by maintenance