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**SUBJECT:** WWTP Activity Briefing

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**BACKGROUND:** The following items were completed over the last few weeks by the WWTP staff:

- A pipe burst was discovered due to a frozen water line in the maintenance shop. Water Department personnel assisted in shutting off the supply until repairs could be made. The leak was repaired by installing a new section of pipe and water service was restored.
- The Berrien County Health Department conducted a facility and septage receiving program inspection on January 30<sup>th</sup>. The inspection covered staffing, odor control measures, maintenance of the septage receiving facilities, and records management. All areas were found to be in compliance. The wastewater plant received and treated 459,000 gallons of septage waste in Calendar Year 2024
- All Wastewater Treatment Plant personnel attended a virtual training program on total nitrogen removal design and operation modifications for oxidation ditches for wastewater treatment. The class was provided by Michigan Department of Environment, Great Lakes, and Energy (EGLE)).
- The Mixed Liquor Mixer motor was repaired by Fixall Electric in Grand Rapids. The repair work included the installation of new bearings, seals and motor windings. The equipment was picked up and returned to the wastewater plant. A plan is currently being developed to pump down the Mixed Liquor Tank to accommodate the installation of the mixer into the tank.
- A new pump head from spare inventory was installed on the polymer pump associated with the sludge press equipment.
- Snow removal has been a major item in the last few weeks. A good routine has been developed for plowing, snow blowing and spreading salt around the plant.
- The Final Clarifiers were sprayed down and cleaned to assist in maintaining optimal functionality and operation.
- The UV channels and lamps were cleaned by using a crane to lift the lamp racks, followed by applying cleaning solution. All the lamps appeared in good condition.
- A monthly safety meeting was conducted with the topic being slip, trips, and falls - to reinforce safety measures and prevent workplace injuries.
- Monthly sampling and testing was performed for effluent total chlorides, sulfate, and copper. This testing is a new requirement of the plant's NPDES discharge permit.
- Otsego Crane and Hoist performed the annual MIOSHA required inspection on the plant's three cranes on February 21<sup>st</sup>. One worn cable was replaced on a tripod hoist to ensure safe operation.
- Notification was provided to the plant's septage haulers that the septage receiving station will be closed from March 3<sup>rd</sup>-12<sup>th</sup> due to planned construction work in that area.
- The plant's pickup trucks were cleaned at the City's new Department of Public Works Building.
- In addition to the items listed above and daily operation of the lab and plant, 146 Preventative Maintenance (PM) work orders were performed. PM work orders can be as simple as checking fluid levels or greasing equipment, but they can also entail major maintenance tasks that take hours or even days to complete.