

Maintenance Monthly Activity Report for December 2023

Overall

The motor control center replacement plan has been updated and a motion for authorization to issue a purchase order for replacement of the 054 Building motor control center is included in this month's agenda. We will reduce the number of motor control centers we replace to 1-2 per fiscal year. The complete replacement plan should be completed by the end of the 34/35 fiscal year.

The orders have been placed for the two 2024 Ford Transit Vans, Ford Maverick, and the Ford F550 cab & chassis. The new F250 4x4 was received and is having accessories installed this week. The truck will be lettered the week of 1/29 and will be put into service. I have a proposed motion in old business for the replacement of our 1992 GMC dump truck.

We reviewed the chlorine analyzer installation with multiple Hach reps, and they believe that the units should work reliably where they are currently installed. They are working on suggested flow rates and installation improvements to help the units function more reliably.

The fully reconditioned Neuros Blower repair has been received. We will begin to put together a project to install the blower and get it piped in. The goal is to have the blower installed and in operation by the end of this fiscal year.

Congratulations to Lance Smith on obtaining his CDL last month. We currently have Tanner Randall working on his behind the wheel portion of training. We have multiple individuals that will be going through the classroom portion of training after they obtain their permits.

Mark Lindgren has been employed with SDD July of 1990 and was planning on retiring this month. After talking to Mark, he will step into a new role here at SDD this month and extend his retirement date to August. Mark will be assisting J. D. Malone with Beehive improvements, PM schedule verification and validation for new equipment, ensure we have documentation for our current equipment (digital and paper copies) and remove paper copies of documentation for decommissioned equipment. Blake Dotson has been designated as interim maintenance supervisor while we advertise and interview for the position.

Maintenance Monthly Activity Report for December 2023

All FEMA paperwork has been completed for the cost recovery for the Derecho storm response costs. Paperwork was submitted for two separate claims. The first claim was for the response (overtime labor, generators, and fuel) and the second claim is for the administrative costs for submitting all the required information to FEMA. We should receive \$27,705.68 for our initial claim and \$1847.05 to cover the administrative costs associated with gathering all the data, writing the response narrative, attending meetings, and phone calls.

Systems Integrator and I&C Monthly Activity

- Creating monthly spreadsheets for Black and Veatch Power BI with SCADA and Lab data
- Working with Farnsworth on the FRAC Tank project programming and High-Performance SCADA graphics
- Working with I&C on the installation and configuration of Digital Paperless Chart recorders at the Major pump stations around town
- Working with Gray Matter Systems on upgrading SCADA and Historian along with adding secure remote access
- Work on the 217 Classifier upgrade and PLC upgrades
 - Pre work on 217 classifier replacement plc panels
 - PM's
 - Tanner Randall built a new PLC panel for installation at the Finley Creek pump station.
 - Working on flow meter reliability at the Digester complex
 - Kyle Stewart is helping get the new Sludge Pump VFD setup as part of the Frac Tank project.
 - Setting up training for the I&C employees for the new PH, ORP, and TSS meters that will be installed as part of the Frac Tank project.
 - Setting up training for all I&C shop employees on ethernet communications for PLC networks

Mechanical Maintenance Monthly Activity

The mechanical maintenance group has completed or is working on the following:

- Preventive Maintenance Work Orders
- Digester Heat Exchanger PMs and Repairs
- Heat Exchanger #4 Sludge Tube Replacement Completed – Unit reassembled and returned to service.
- Work w/ Engineering and Ovivo on linear motion mixer #3 gearbox foaming issues.
- Completed replacement of the drain lines in the 203-building basement

Maintenance Monthly Activity Report for December 2023

- Winterizing systems around the plant – Dealing with extreme cold temperatures.
- The Buildings & Grounds crew responded to icy conditions at the plant and snow removal. The crew has done a great job keeping the roads and sidewalks clear and safe.
- The outside maintenance crew is working to complete repair and reinforcement of an exposed interceptor line. Pictures are included below of the project.



Maintenance Monthly Activity Report for December 2023



M.I.S. Department Monthly Update

- Network Administration, Helpdesk, Troubleshooting and Repair
 - Ongoing network administration.
 - Tablet Tech Support and Updates for Beehive CMMS
 - Working with Jamey on SCADA upgrade
 - Replacing individual workstations due to equipment age and hard drive failures

If you have any questions or would like additional information about the maintenance department and our activities, feel free to contact me.

Thank you,

James Malone, CPMM

Phone: (217) 422-6931 (x-226)