

Maintenance Monthly Activity Report for December 2022

Overall

Installation of gate actuators at our Lincoln Park and 7th Ward CSO facilities have been completed. A total of six new actuators were installed to replace units that had reached the end of life. We will budget to replace additional actuators at our McKinley CSO facility next budget year.

I am working with Kirby Risk to put together layout and pricing for three additional replacement motor control centers for this fiscal year. The three replacements will be in the 054 building, 325 (North Motor Control Center only this fiscal year), and 203 Building. (No update this month. This project is still in progre

We have installed the new shaft seal and bushing upgrade on linear motion mixers 1 and 4 at the digester complex. Both units are now in operation and have been operating well. The parts to upgrade linear motion mixer #2 have now been received and will be installed as soon as possible.

I have a meeting set up with Mike Hall Auction Company 1/17/23 to discuss the sale of our surplus equipment. I will discuss possible auction schedule during the board meeting.

I am working with Hach and their local representatives to obtain replacement residual chlorine analyzers prior to the upcoming disinfection season. Our existing units have become obsolete, and parts are no longer readily available.

Systems Integrator and I&C Monthly Activity

- Separating and documenting both networks (Process and Admin) by color coding the wiring used for easier identification (Bodine Electric).
- LIMS to Historian integration work with Industrial Network Systems is complete automating spreadsheets for Black and Veatch requested information
- Front Gate project
- Project to replace old paper chart recorders

Mechanical Maintenance Monthly Activity

The grease issue at the Lakeshore pump station continued last month. Our staff worked w/ EnviroServe (Formerly Bodine Environmental) to clean the wet well one time last month. We have periodically checked the air release valves between the Lakeshore and Eastside Booster pump stations to verify proper operation along with monitoring the pressure on the force main.

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The maintenance group in coordination with engineering prepared for knockout wall removal at the 334 building (Bisulfite Building), removed the old tanks, and helped to set the new tanks in to the building. Staff has begun setting and plumbing the new tanks. The work will be completed prior to the start of disinfection season. The old tanks will be disposed of as soon as possible.

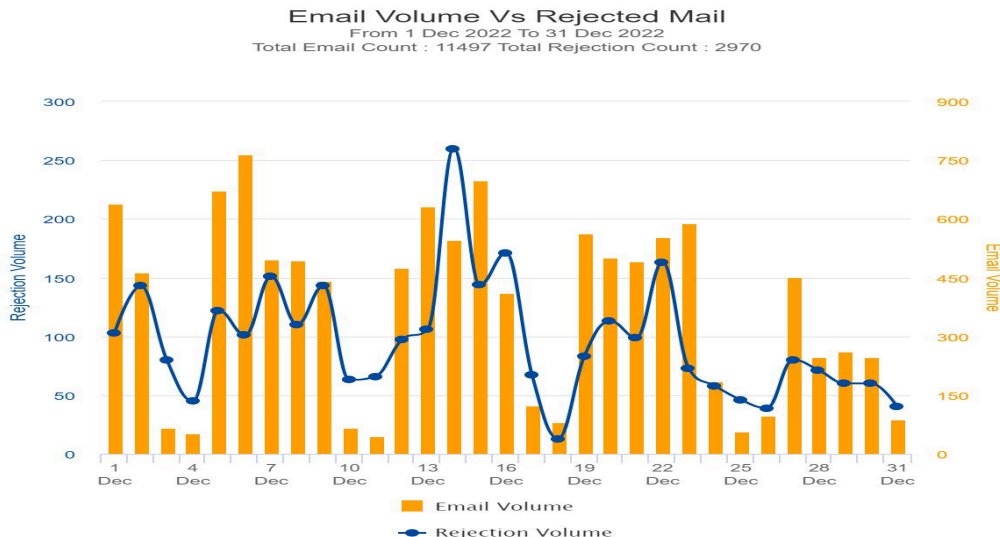
The camera system has been repaired at the Wyckles facility and is back in service. We will also add an external disconnect for the pumps that is to be locked any time the contractor is not actively loading trucks. Additional alarming through SCADA will also be added. With the end of land application season, the pump has been locked out in the motor control center and staff will winterize the facility.

The outside maintenance sewer cleaning crew will begin utilization of a skid steer w/ forestry mulching attachment for interceptor easement maintenance 1/23/23. They will be clearing the areas to allow for access to pre-televiser and clean the interceptors as needed.

M.I.S. Department Monthly Update

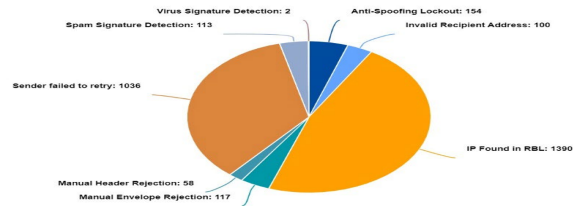
- Network Administration, Helpdesk, Troubleshooting and Repair
 - Ongoing network administration.
 - Tablet Tech Support for Beehive CMMS
 - Working with I&C staff and Jamey Oliver to update the network from 10/100 to Gigabit around the plant.

Email Security



Maintenance Monthly Activity Report for December 2022

Rejection Overview
From 1 Dec 2022 To 31 Dec 2022
Total Rejection Count: 2970



Email Statistics Report

From Jan - 2022 To Dec - 2022

Month-Year	Total Inbound email	Rejections (includes viruses & spam)	Legit Inbound Email	% Rejections	Total Outbound email	Total Internal email
Jan - 2022	5,734	2,545	3,189	44.38 %	1,005	3,608
Feb - 2022	6,747	2,487	4,260	36.86 %	1,361	4,756
Mar - 2022	7,316	2,873	4,443	39.27 %	1,488	5,892
Apr - 2022	7,777	3,467	4,310	44.58 %	1,285	4,993
May - 2022	7,408	2,722	4,686	36.74 %	1,198	5,707
June - 2022	7,377	2,954	4,423	40.04 %	1,662	5,519
July - 2022	7,335	3,118	4,217	42.51 %	1,143	4,735
Aug - 2022	8,359	3,496	4,863	41.82 %	1,449	7,827
Sep - 2022	7,066	2,631	4,435	37.23 %	1,374	5,800
Oct - 2022	7,063	1,861	5,202	26.35 %	1,897	6,191
Nov - 2022	7,451	2,809	4,642	37.70 %	1,301	7,029
Dec - 2022	7,208	2,970	4,238	41.20 %	1,242	6,017
Total	86,841	33,933	52,908		16,405	68,074
Mean	7,236.75	2,827.75	4,409.00	39.06 %	1,367.08	5,672.83

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)