

Maintenance Monthly Activity Report for November 2022

Overall

Replacement gate actuators have been installed at our Lincoln Park CSO facility. While Dorner staff was on site, they took the final measurements on the stem nuts at 7th Ward, and they have completed machining them. Installation is scheduled for January 4th and 5th. Our maintenance and I&C staff will unwire and remove the old actuators and help w/ installation & start up of the replacement units.

We are 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.

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 should be in later December / early January. We will plan on installing the upgrade parts as soon as possible after they arrive on site.

Systems Integrator and I&C Monthly Activity

- Lakeshore Pump Station installation and setup of the new Honeywell digital paperless chart recorder
- Working with Vince to update the Administration network that runs through each building in the plant for better Wi-Fi access.
- 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
- Setting up XL Reporter to automate data transfer to Black and Veatch
- Front gate project moved Comcast cable and front gate security camera to a different location

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 twice. We have service all air release valves between the Lakeshore and Eastside Booster pump stations. Each air release has been serviced and re-installed.

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David Cunningham (SDD Groundskeeper) has completed installation of all 911 address signs at our outside pump stations.

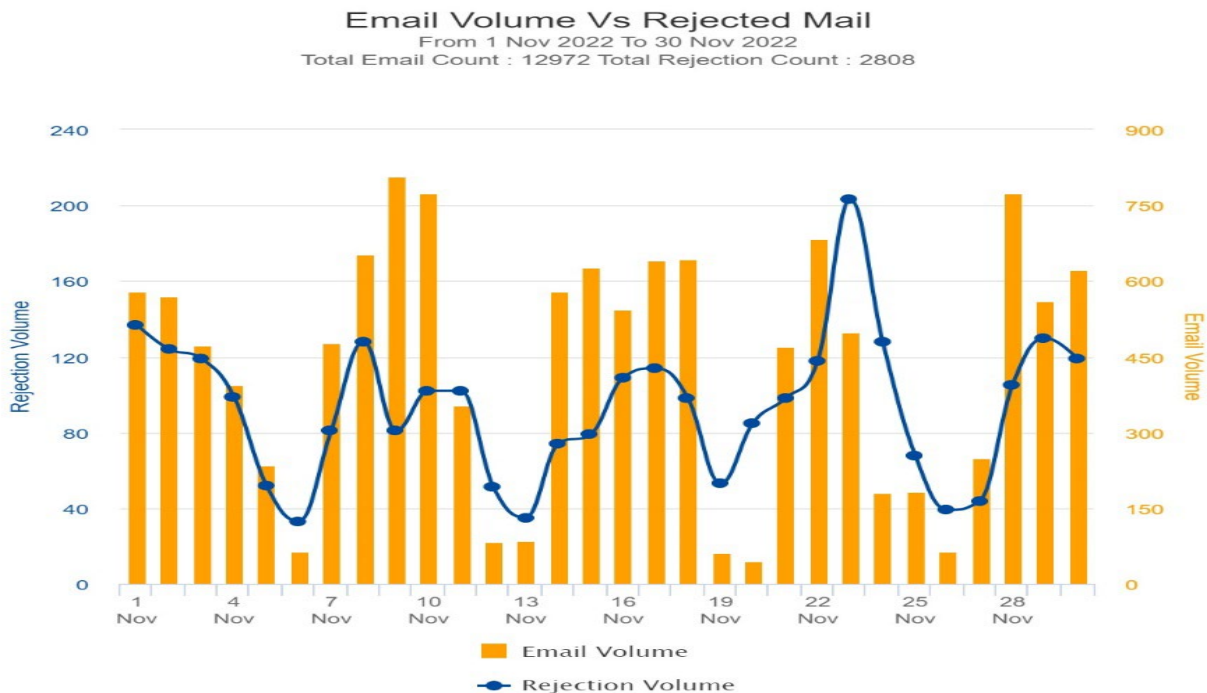
The maintenance group in coordination with engineering prepared for knockout wall removal at the 334 building (Bisulfite Building), removed the old tanks, and helped to set the new tanks in to the building. We will mount the tanks and install new piping over the winter.

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.

M.I.S. Department Monthly Update

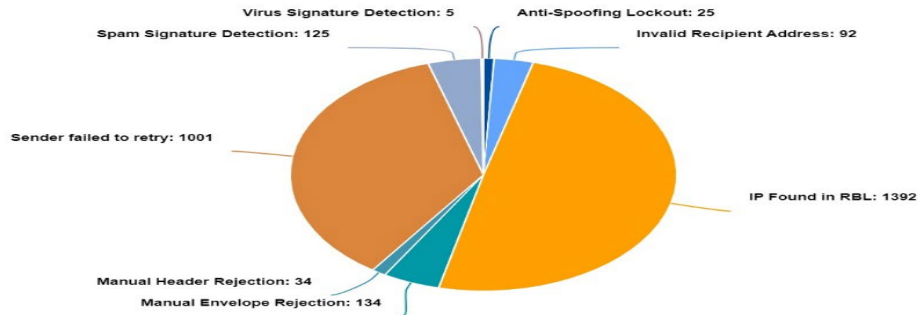
- Network Administration, Helpdesk, Troubleshooting and Repair
 - Ongoing network administration.
 - Tablet Tech Support for Beehive CMMS
 - Working with I&C staff and Jamey Oliver to update the network from 10/100 to Gigabit around the plant.
 - Replaced the main network switches and updated VLANs
 - Worked w/ Bodine Communications and I&C to separate the cameras from the control network

Email Security



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Rejection Overview From 1 Nov 2022 To 30 Nov 2022 Total Rejection Count: 2808



Email Statistics Report

From Dec - 2021 To Nov - 2022

Month-Year	Total Inbound email	Rejections (includes viruses & spam)	Legit Inbound Email	% Rejections	Total Outbound email	Total Internal email
Dec - 2021	4,146	1,762	2,384	42.50 %	951	2,816
Jan - 2022	7,473	3,250	4,223	43.49 %	1,253	4,767
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
Total	85,518	33,430	52,088		16,362	66,032
Mean	7,126.50	2,785.83	4,340.67	39.09 %	1,363.50	5,502.67

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

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