

Maintenance Monthly Activity Report for May 2023

Overall

The motor control center quotes are not ready for submittal to the board for approval at the June meeting. The layouts proposed will not work in the building without extensive modifications. The pricing received is also substantially higher than expected.

The new Hach chlorine start up was completed May 10th and 11th. The units worked fine with good results initially. We have been experiencing faults with the units with inaccurate readings. We are working on the issues with Hach to get them resolved. Hach needed to order some repair parts and plans to be back on site July 5th or sooner (if the parts arrive earlier). We have asked them to escalate the issue so we can get the units back in to operation.

The full reconditioning of the surplus Neuros blower that we purchased last year is nearly complete at this time. The unit should ship back to us by the end of July. As part of the rebuild and recondition the VFD (Variable Frequency Drive) was replaced. This unit had a quoted lead time of 32 weeks and was delayed. This caused the project completion timeline to push out to over a year.

Maintenance and operations staff have been coordinating to get digester #2 pumped down for evaluation. We were experiencing high methane levels in the attic space of digester #2 that created a safety concern. The digester will be taken down and cleaned for further evaluation. We are experiencing combustible gas warnings in digester #1 and #4 attic spaces when using our portable gas meters but are not seeing any methane or H₂S readings. The levels are tested on a regular basis by maintenance staff.

We would like to welcome Tanner Randall to the maintenance group in the I&C Department. Tanner comes to us with over 11 years of experience as an E&I Technician at ADM.

Congratulations to Michael Fisher for completion of Phase 1B of the maintenance training program.

Systems Integrator and I&C Monthly Activity

- Creating and updating spreadsheets for Black and Veatch
- Front Gate project – New keypad and access code set up. Camera setup and network coordination. Programming the front gate for automatic operation. I&C staff completed all control and indication wiring. A conduit was added by I&C and maintenance staff to allow for improved network coordination.

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Mechanical Maintenance Monthly Activity

Maintenance staff completed installation of the replacement sodium hypochlorite tank. Tank #5 was one of our oldest tanks and had developed a hairline crack near the bottom bulkhead fitting. The new tank is now installed and in operation.

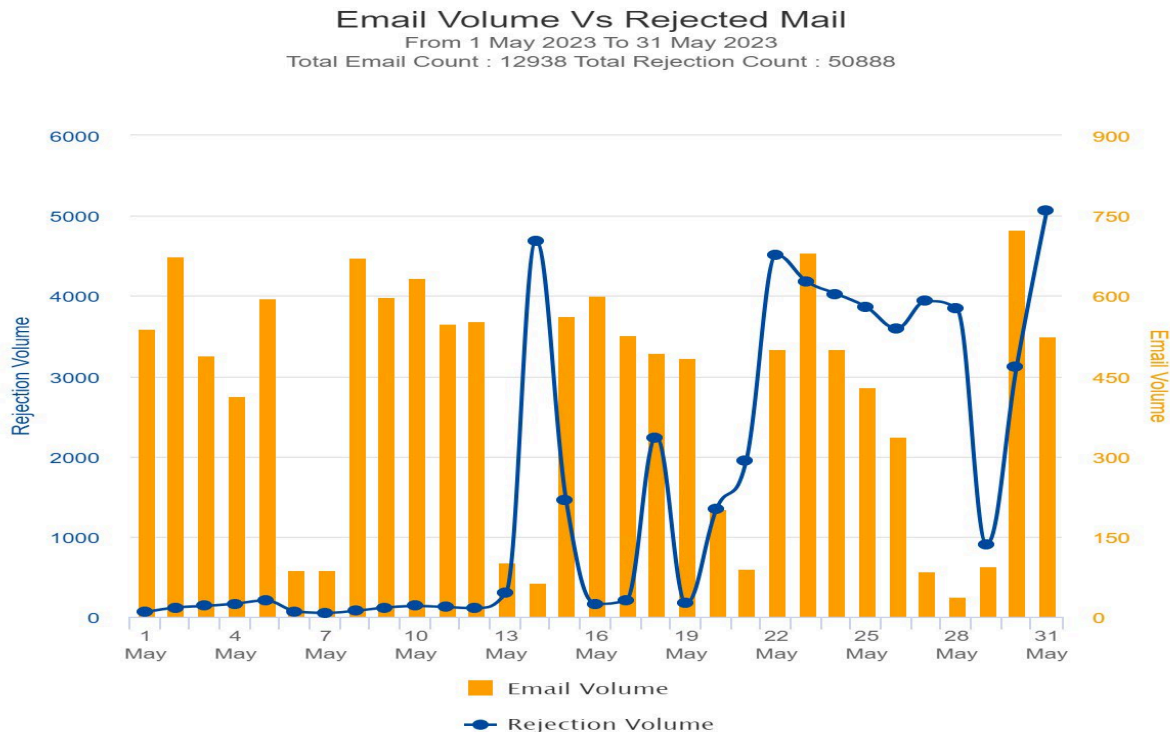
The sewer cleaning crew is performing maintenance on the air release valves in the collection system. They will isolate the air release valves, remove the unit, clean the unit, replace all soft components (O-rings and gaskets), reinstall the unit, and test for proper operation. The maintenance is time consuming to perform as it requires setting up a confined space entry at each of the locations.

I&C, Mechanical Maintenance, and Buildings and Grounds staff have been working hard to finish up the landscaping, programming, sign installation, and other final items at the front gate. An external code keypad for the pedestrian gate will be added soon to make access easier when entering the plant on foot.

M.I.S. Department Monthly Update

- Network Administration, Helpdesk, Troubleshooting and Repair
 - Ongoing network administration.
 - Tablet Tech Support and Setup for Beehive CMMS

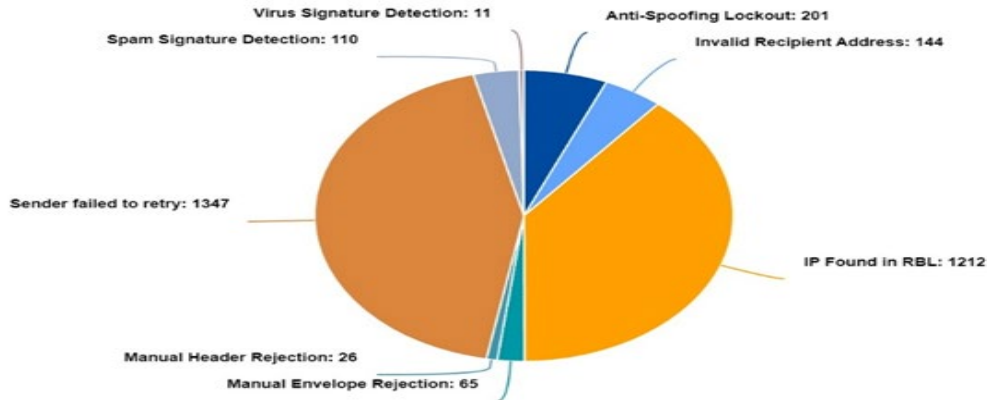
Email Security



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Rejection Overview

From 1 Apr 2023 To 30 Apr 2023
Total Rejection Count: 3116



Email Statistics Report

From June - 2022 To May - 2023

Month-Year	Total Inbound email	Rejections (includes viruses & spam)	Legit Inbound Email	% Rejections	Total Outbound email	Total Internal email
June - 2022	4,474	1,734	2,740	38.76 %	1,200	3,716
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
Jan - 2023	7,158	2,490	4,668	34.79 %	1,142	6,666
Feb - 2023	7,413	2,960	4,453	39.93 %	1,132	6,509
Mar - 2023	9,775	4,234	5,541	43.31 %	1,465	9,092
Apr - 2023	7,803	3,116	4,687	39.93 %	1,181	6,268
May - 2023	55,625	50,888	4,737	91.48 %	1,269	6,932
Total	136,730	82,307	54,423		15,795	76,782
Mean	11,394.17	6,858.92	4,535.25	42.92 %	1,316.25	6,398.50

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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