

Maintenance Monthly Activity Report for November 2023

Overall

The MCC budget is being modified to reflect pricing increases of over double what we expected for the budgeted projects. The MCC replacement plan will now be to replace one MCC a year rather than three. This should be completed by the January 2024 board meeting.

The orders have been placed for the two 2024 Ford Transit Vans, Ford F250 4x4, Ford Maverick, and the Ford F550 cab & chassis. Options for replacement of the 1992 GMC dump truck are now being developed. A motion for board consideration is planned for the next board meeting.

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.

Lance Smith and Tanner Randall have completed the classroom portion of the ELDT (Entry Level Driver Training). Lance has completed the driving portion of the training also and plans on testing 12/14/23. We will begin driving instruction w/ Tanner after the holidays as weather allows.

Information Systems Monthly Activity

- Creating monthly spreadsheets for Black and Veatch Power BI with SCADA and Lab data
- Installation and set up of additional safety sensors / warning lights completed on the front gate. It is now fully operational.
- 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 Proficy WebSpace for secure remote access
- Pre-work on the 217 Classifier upgrade and PLC upgrades

Maintenance Monthly Activity Report for November 2023

- Disinfection shutdown
- Upgraded old plc cabinet at St. Louis Bridge pump station and added new paperless chart recorder.
- Lincoln Park CSO facility gates 1,3, and 4 are back in operation. Gate #2 needs new wire.
- Pre work on 217 classifier replacement plc panels
- PM's
- Kelsey Ashcraft built a new PLC panel for the Frac Tank project to give to Bodine for installation.
- 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.

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
- Prep for Heat Exchanger #4 Sludge Tube Replacement
- Work w/ Engineering and Ovivo on linear motion mixer #3 foaming issues.
- Replacing drain lines in the 203-building basement (upper-level floor and roof drains, pipe was old and leaking badly)
- 217 finished replacement of grit pump / tank flush lines with stainless
- Winterizing systems around the plant
- Worked w/ operations staff to pump approximately 8 million gallons of solids from the west lagoon to the east loadout lagoon at Wyckles.

M.I.S. Monthly Update

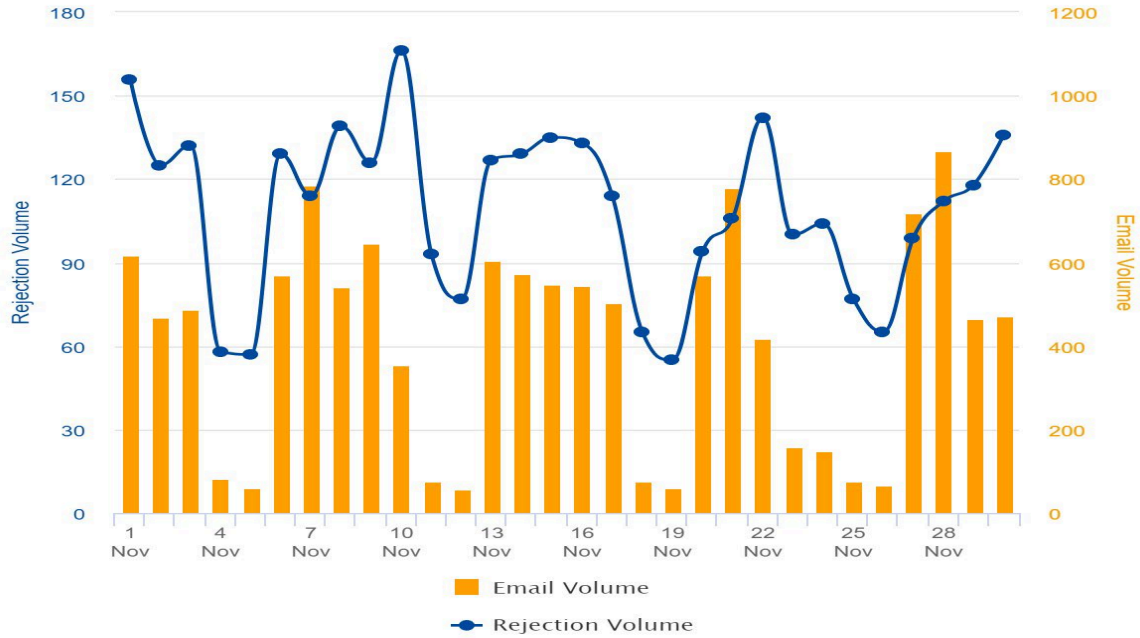
- Network Administration, Helpdesk, Troubleshooting and Repair
 - Ongoing network administration.
 - Tablet Tech Support and Updates for Beehive CMMS
 - Working with Jamey on hardware for upcoming SCADA upgrade
 - Replacing individual workstations due to equipment age and hard drive failures
 - Finalized setting up equipment for ELDT Training to utilize the training room.

Maintenance Monthly Activity Report for November 2023

Email Security

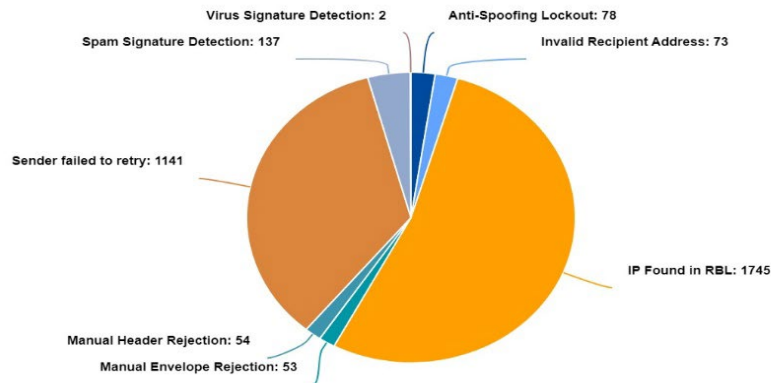
Email Volume Vs Rejected Mail

From 1 Nov 2023 To 30 Nov 2023
Total Email Count : 12400 Total Rejection Count : 3283



Rejection Overview

From 1 Nov 2023 To 30 Nov 2023
Total Rejection Count: 3283



Maintenance Monthly Activity Report for November 2023

Email Statistics Report

From Dec - 2022 To Nov - 2023

Month-Year	Total Inbound email	Rejections (includes viruses & spam)	Legit Inbound Email	% Rejections	Total Outbound email	Total Internal email
Dec - 2022	4,500	1,909	2,591	42.42 %	687	4,065
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
June - 2023	47,612	42,780	4,832	89.85 %	1,149	7,685
July - 2023	11,445	6,632	4,813	57.95 %	1,203	6,541
Aug - 2023	48,703	43,358	5,345	89.03 %	1,430	8,183
Sep - 2023	148,905	143,856	5,049	96.61 %	1,132	5,935
Oct - 2023	23,509	18,137	5,372	77.15 %	1,368	6,676
Nov - 2023	8,239	3,283	4,956	39.85 %	1,439	6,005
Total	380,687	323,643	57,044		14,597	80,557
Mean	31,723.92	26,970.25	4,753.67	61.86 %	1,216.42	6,713.08

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)