

SANITARY DISTRICT OF DECATUR

501 Dipper Lane Decatur, IL (217) 422-6931

MEMORANDUM

DATE: 2/11/2021

SUBJECT: Maintenance Monthly Activity Report for January 2021

Overall

The entire maintenance staff continues to work on staggered shifts split in to A and B groups. Each crew is assigned specific break and lunch periods to limit interactions. We have assigned each inside maintenance person specific buildings / areas to report to each morning. Everyone is working on completing all open work orders that can be safely completed by one person in each building they are assigned. While they are working in the buildings, they are also looking for any other issues that need attention and having work orders created. Outside maintenance staff is working as normal and limiting interactions between the two crews as much as possible. In the I&C department, all staff is now reporting to the plant each day with staggered start / break times.

The replacement Ford F450 bed transition and upgrade is 90% complete. The replacement bumper has been delayed by the manufacturer and the lead time has been extended 2-3 additional weeks. We hope to have the truck on site and in-service late February / early March 2021.

Work Orders Completed, Total of 1515

48 Corrective
10 Improvement / New
1401 PM
1 Process
0 Project
16 Safety
1 Training / Meeting
3 Asset Management
35 Proactive Work / Issues found during a Preventive Maintenance

Systems Integrator and I&C Monthly Activity

Cleaned up 043 Building. This area is used for conduit bending / threading and electrical equipment storage. The area had become a storage area and cluttered over the last few years.

Installing wireless access points in 16 locations around the plant for future CMMS system (completed 314, 259, 233, 203 interior and exterior, 113 interior and exterior of buildings)

SANITARY DISTRICT OF DECATUR

501 Dipper Lane Decatur, IL (217) 422-6931

MEMORANDUM

Performing audits on all outside pump stations

Verifying and adding proper voltage stickers on all power feeds and panels

- Adding updated laminated I/O lists
- Replacing bad or broken conduit covers inside panels.
- Taking pictures of completed work for pump station files to be added to engineering server.
- Updating and adding new mcc/plc drawings

Working with Kirby Risk on replacing MCCs at the 210 and 231 buildings in plant and the Larkdale MCC in town.

Testing digital paperless chart recorders to replace old circular models. New model would allow for monitoring and trending of all aspects of major station operations.

Completed all routine PM's.

System integrator

Testing digital paperless chart recorders to replace old circular models. New model would allow for monitoring and trending of all aspects of major station operations.

Mechanical Maintenance Monthly Activity

The outside maintenance crew is completing preventive maintenance workorders by walking / clearing lines, checking air release valves, and exercising valves / generators.

The inside maintenance group is working through cleaning the fire tubes in all four of the digester heat exchangers. Heat exchanger #2 was completed and put back in to service. During inspection of #1 we found a failure in the fire tubes. Jarvis Boiler & Welding was brought in to replace the fire tubes with new. This work was completed, and the unit was pressure tested w/ no issues. After approximately two weeks in operation, the unit developed a crack in the main furnace tube. Jarvis welding has been contacted to come on site and repair the crack.

Work has progressed well replacing the water lines and painting in the 217 basement. The water lines have been replaced with stainless steel on the city water side and the plant water lines have been repaired. The seal water system base has been cleaned up / painted and a new water tank and pressure tank have been installed.

SANITARY DISTRICT OF DECATUR

501 Dipper Lane Decatur, IL (217) 422-6931

MEMORANDUM

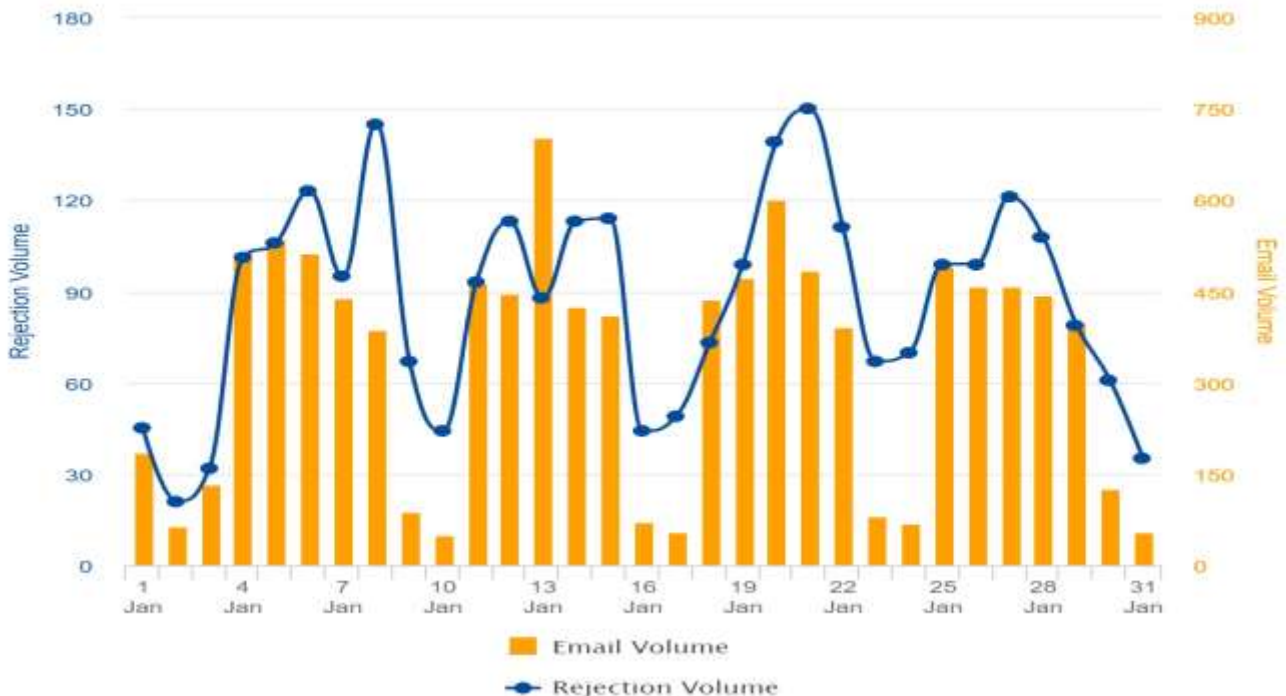
Effluent Pump #3 was pulled due excessive vibration and our spare pump was installed. Effluent Pump #3 was sent in for repair evaluation. Effluent Pump #1 had an intermittent fault for seal failure and was pulled for evaluation. The sensor cable is defective and will replace the sensor cable, power cables, and all associated glands. The sensor cables should be in hand mid-March 2021 so we can get pump #1 back in to service before we get in to the spring rain season.

M.I.S. Department Monthly Update

- Network Administration, Helpdesk, Troubleshooting and Repair
 - Ongoing network administration.
 - Planning and coordination of installation & set up SDD campus Wi-Fi

Email Security

Email Volume Vs Rejected Mail
From 1 Jan 2021 To 31 Jan 2021
Total Email Count : 10452 Total Rejection Count : 2704

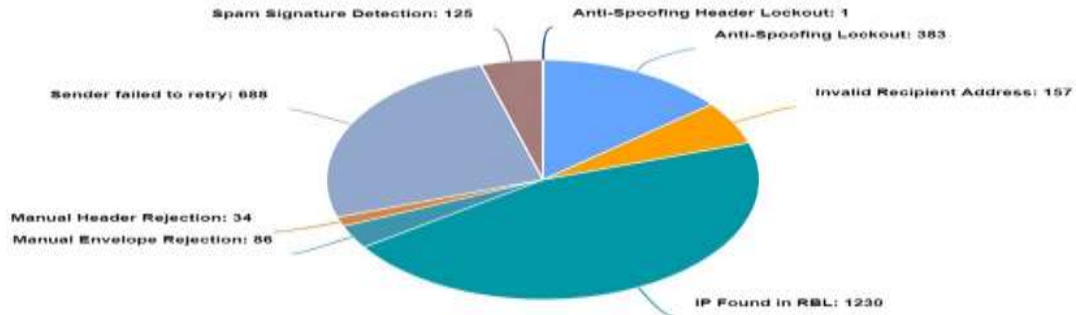


SANITARY DISTRICT OF DECATUR

501 Dipper Lane Decatur, IL (217) 422-6931

MEMORANDUM

Rejection Overview
From 1 Jan 2021 To 31 Jan 2021
Total Rejection Count: 2704



Email Statistics Report

From Feb - 2020 To Jan - 2021

Month-Year	Total Inbound email	Rejections (includes viruses & spam)	Legit Inbound Email	% Rejections	Total Outbound email	Total Internal email
Feb - 2020	6,784	3,746	3,038	55.22 %	1,041	3,972
Mar - 2020	8,176	3,422	4,754	41.85 %	1,649	6,204
Apr - 2020	7,971	3,984	3,987	49.98 %	1,295	6,787
May - 2020	7,250	3,380	3,870	46.62 %	862	5,473
June - 2020	7,441	3,306	4,135	44.43 %	1,370	5,854
July - 2020	8,416	4,242	4,174	50.40 %	816	5,189
Aug - 2020	7,644	3,806	3,838	49.79 %	1,017	4,504
Sep - 2020	7,999	3,898	4,101	48.73 %	1,373	5,133
Oct - 2020	8,845	4,262	4,583	48.19 %	1,335	6,155
Nov - 2020	8,286	4,335	3,951	52.32 %	1,442	6,150
Dec - 2020	7,758	3,479	4,279	44.84 %	1,164	5,809
Jan - 2021	6,766	2,704	4,062	39.96 %	1,312	5,078
Total	93,336	44,564	48,772		14,876	66,308
Mean	7,778.00	3,713.67	4,064.33	47.70 %	1,239.67	5,525.67

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

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