

SANITARY DISTRICT OF DECATUR

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

MEMORANDUM

TO: Kent Newton

FROM: J. D. Malone

DATE: 3/11/2021

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 finally nearing completion. All parts should be received by the vendor by 3/22 and the unit should be completed and returned late March / early April.

Work Orders Completed, Total of 2463

113 Corrective

13 Improvement / New

2248 PM **Includes cleaning up of duplicate / previously completed PMs.

8 Process

1 Project

20 Safety

1 Training / Meeting

21 Asset Management

38 Proactive Work / Issues found during a Preventive Maintenance.

Systems Integrator and I&C Monthly Activity

Installed the last of the wireless access points for future CMMS application and improved overall Wi-Fi coverage around the plant.

Continuing to perform audits on all outside pump stations.

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Installed all 330 retrofit led bulbs in 7 buildings at the main plant. These bulbs were received as part of the Ameren energy efficiency program at no charge to SDD.

Quotes have been received for the blower building, 210, and Larkdale MCC replacement projects. We are reviewing the quotes and purchase orders will be issued after layout approval.

Worked with Pals Electric on getting new conduit to all 3 nitrification clusters. The conduit runs are complete. Due to operational challenges, we have not been able to shut down the channels to pull in wire yet. We will complete this project as soon as possible.

Worked with Shand & Jurs on waste gas burner on correcting waste gas burner issues.

Completed all routine preventive maintenance workorders.

Mechanical Maintenance Monthly Activity

The outside maintenance crew has been preparing for the lagoon cleaning project at Wyckles. The dredge was put back into the water and secured out of the contractor's way. The loadout barge pump, mixer, and walkout platforms were pulled from the water to allow access to the east lagoon. The loadout barge will remain in the lagoon and has been pulled into the northwest corner, so it is out of the way.

In the process of prepping for cleaning the Wyckles wet well and jetting the decant line from the west lagoon, there was a failure in the 15 inch Scovill Interceptor. The outside maintenance crew installed a plug to block off flow to the Wyckles wet well for cleaning purposes. The plug was installed, and all personnel were out of the manhole. Staff heard a pop and initially thought the plug had failed. Upon further inspection, the plug was intact, but it was found that the pipe penetrating into the wet well had failed. The pipe was approximately 18 feet deep 15inch diameter Truss Pipe. I contacted Burdick Plumbing to help perform an emergency repair to the pipe. SDD staff worked with Burdick to install a temporary repair 3/4/21 to reestablish flow into the pump station. SDD staff utilized the Vactor upstream of the failure to make sure no backups occurred. 3/5/21 All parts arrived to execute a permanent repair to the line. Burdick staff install a new section of 15-inch pvc pipe and utilized concrete to reinforce the joints. The excavation has now been backfilled and we will plant grass on the site soon.

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The excavation was difficult due to the slope of the ground in the area and large amount of sand from the initial force main installation. Thank you to Burdick and SDD staff for their quick, thorough, and safe response to the failure. Pictures are included below for your reference. We are currently conducting a full investigation of the incident.



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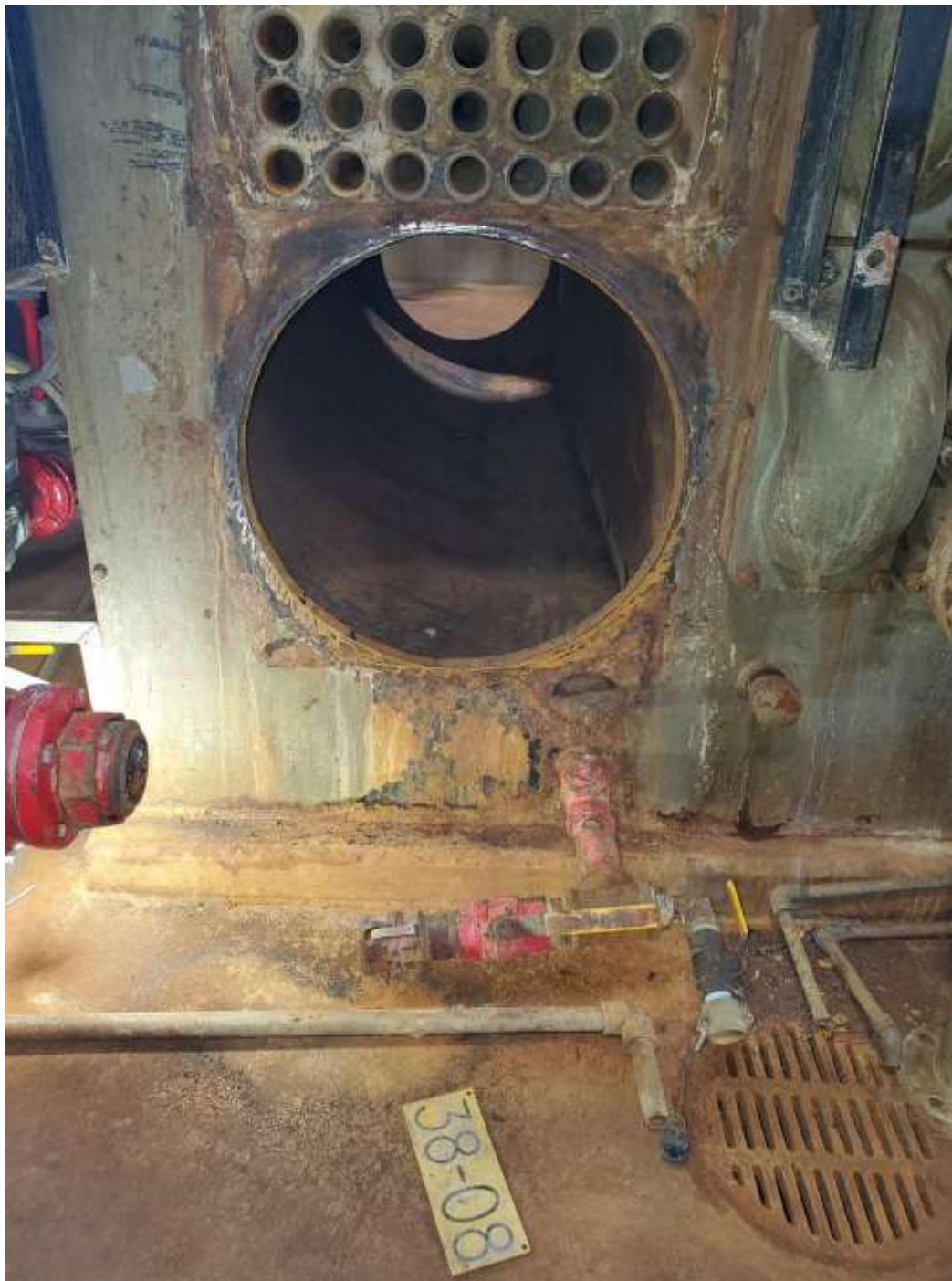


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Jarvis Boiler replaced the furnace tube in Heat Exchanger #1 at the digester complex. The tube had been repaired multiple times over the years and had finally progressed to the point that replacement was recommended. A picture of the heat exchanger with the covers removed is included below for your information. The small tubes are the fire tubes that transfer the heat to the surrounding process water. The large tube is the furnace tube / main burner tube.



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M.I.S. Department Monthly Update

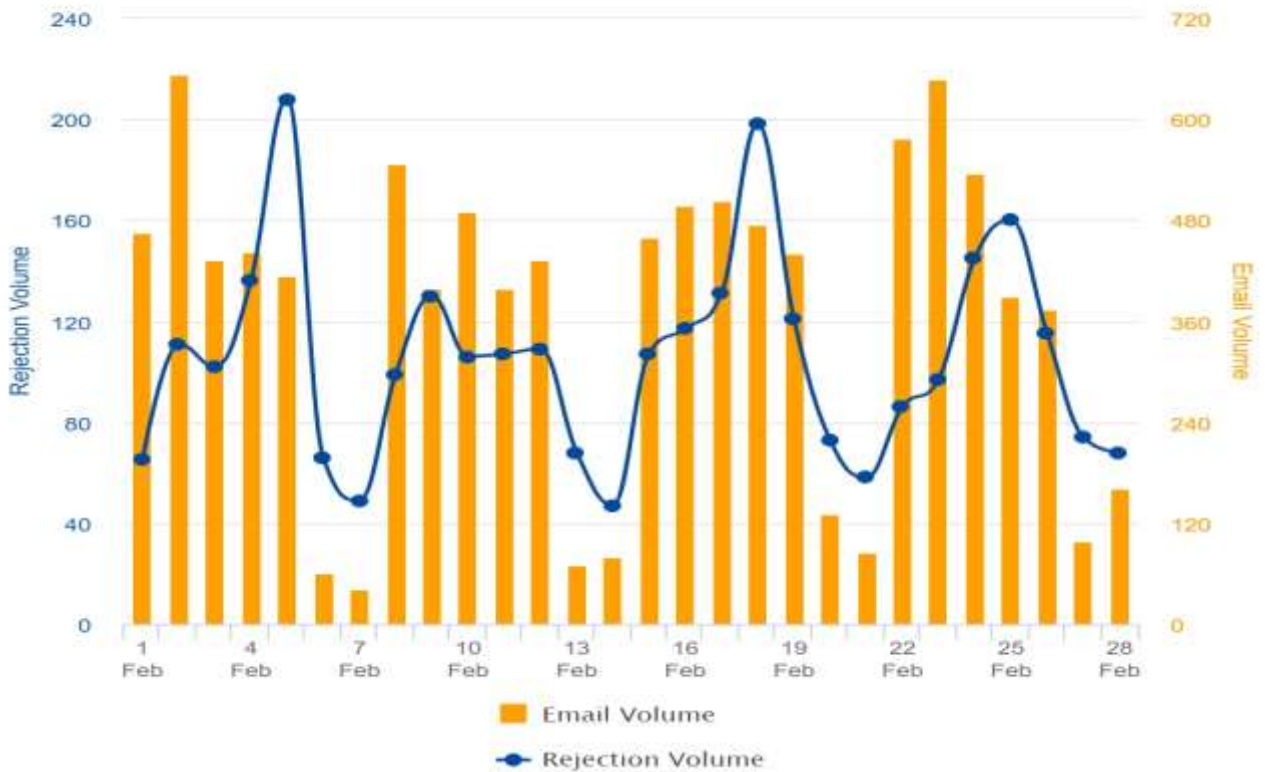
- Network Administration, Helpdesk, Troubleshooting and Repair
 - Ongoing network administration.
 - Planning and coordination of installation & set up SDD campus Wi-Fi

Email Security

Email Volume Vs Rejected Mail

From 1 Feb 2021 To 28 Feb 2021

Total Email Count : 10310 Total Rejection Count : 2953

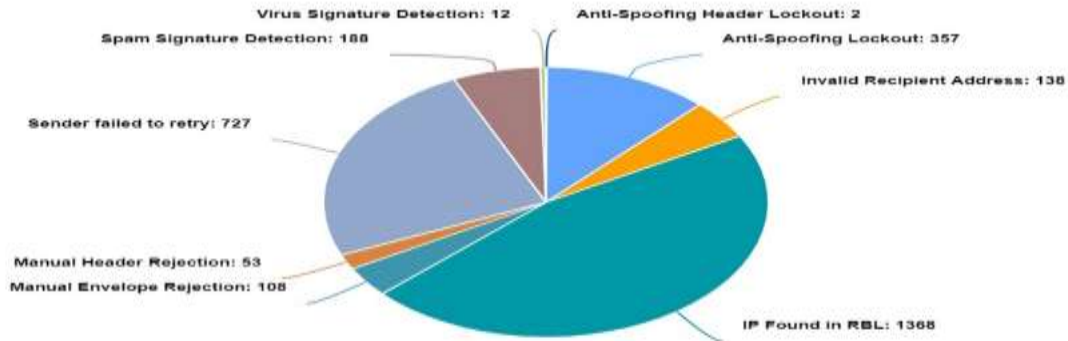


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Rejection Overview
From 1 Feb 2021 To 28 Feb 2021
Total Rejection Count: 2953



Email Statistics Report

From Mar - 2020 To Feb - 2021

Month-Year	Total Inbound email	Rejections (includes viruses & spam)	Legit Inbound Email	% Rejections	Total Outbound email	Total Internal email
Mar - 2020	6,250	2,443	3,807	39.09 %	1,594	5,072
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
Feb - 2021	7,047	2,953	4,094	41.90 %	1,116	5,100
Total	91,673	42,792	48,881		14,696	66,304
Mean	7,639.42	3,566.00	4,073.42	46.36 %	1,224.67	5,525.33

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)