

# SANITARY DISTRICT OF DECATUR

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

## MEMORANDUM

DATE: 4/14/2021

SUBJECT: Maintenance Monthly Activity Report for March 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. Overtime is rotated on a week-to-week basis between the two crews to limit interactions during after hour call ins. This schedule and overtime rotation will be maintained for all maintenance groups for the foreseeable future.

The replacement Ford F450 was picked up 4/15/21. The unit will be outfitted w/ the needed tools / equipment and put in to service immediately.

We are working with UP and Runnin' out of Decatur, IL to coordinate the installation and setup of a Husqvarna 430XH auto-mower on the administration building lawn. The unit is battery powered and will automatically maintain the administration building lawn 24/7. The lawn is currently mowed with a push mower. The unit should be installed and running 4/21 for the board meeting.

### **Work Orders Completed, Total of 1655**

110 Corrective  
7 Improvement / New  
1436 PM  
2 Process  
2 Project  
21 Safety  
1 Training / Meeting  
11 Asset Management  
65 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.

Final layouts approved and purchase orders have been issued for 210, Blower Building, and Larkdale MCCS.

Work completed with contractors on getting new conduit and power wire to all 3 nitrification clusters. The south cluster has been completed.

Working with Isco/Teledyne on the laser flow meter preparing for disinfection.

Completed all routine PM's.

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### **Mechanical Maintenance Monthly Activity**

Maintenance staff has been busy preparing for the upcoming disinfection season. The following are some of the larger scale projects that are under way currently. Complete re-piping of the inlet and discharge of the sodium hypochlorite pumps. The new piping arrangement will allow for the pumps to be independently calibrated without impacting operations. Cleaning of the chlorine contact tanks is currently in progress. Both tanks will be fully cleaned by the end of the day 4/16/21. All chemical pump hoses will be replaced with new, and the pumps will be calibrated. The entire system should be ready to test the week of 4/19/21.

Coordinating redesign of the discharge chutes for the new 203 building Vulcan washer / compactors. The standard design includes two 90s and the units have struggled during heavy grit loads to run without clogging. The new design will be the same as the unit in the 013 building. It will incorporate a single 45 and should allow for the screenings to be pushed out easier. The replacement chutes are being supplied at no cost. Until the chutes arrive, we currently have the washer / compactors removed and we are dumping screenings straight in to dumpsters.

Linear motion mixers for digester #1 and #4 have been repaired and put back in to service. The units had a failure in the transition between the motor and gearbox. We had a crane on site to pull each motor and rebuilt the transitions with new bearings and couplings. The maintenance staff reinstalled them and tested for proper operation.

### **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.

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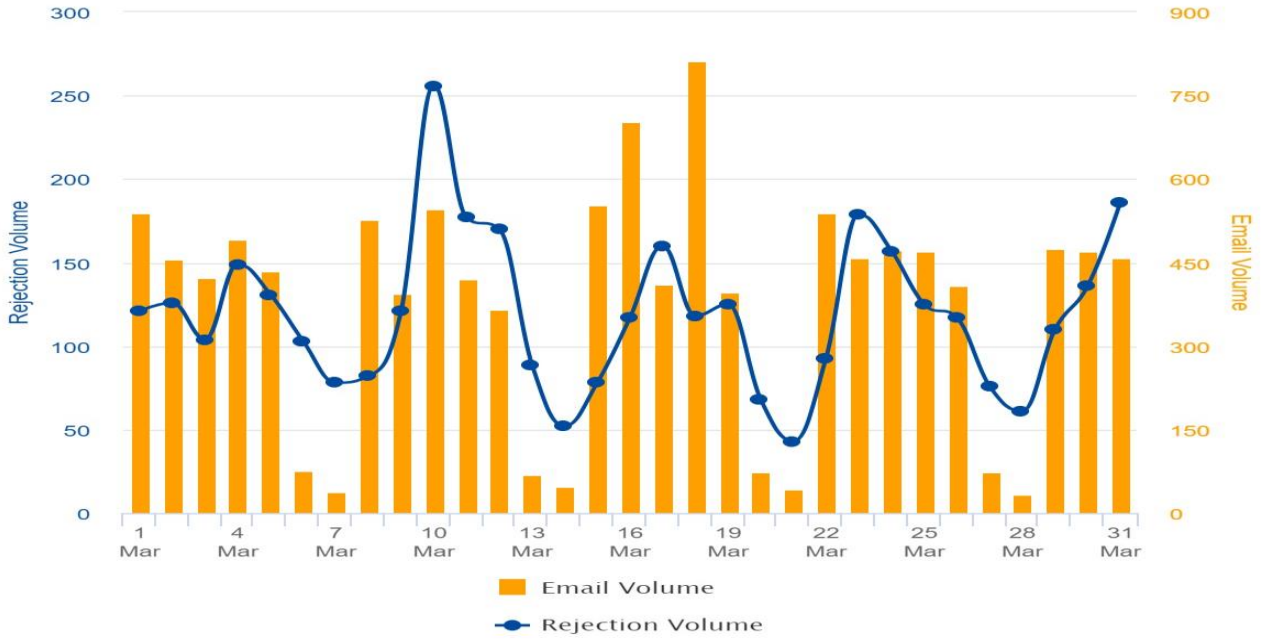
## MEMORANDUM

### Email Security

#### Email Volume Vs Rejected Mail

From 1 Mar 2021 To 31 Mar 2021

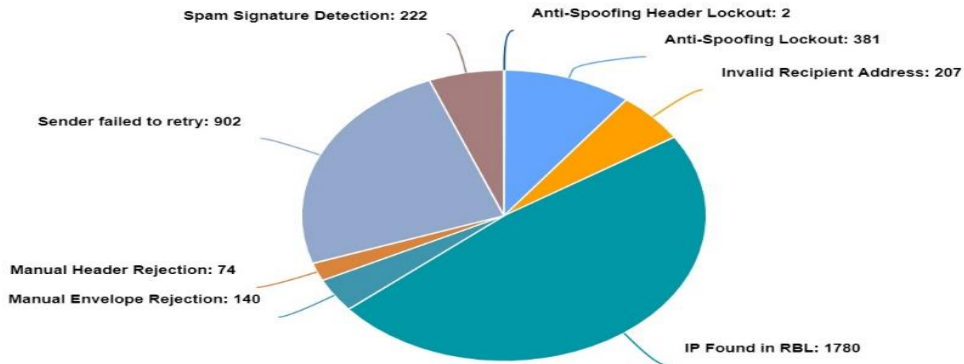
Total Email Count : 11683 Total Rejection Count : 3708



#### Rejection Overview

From 1 Mar 2021 To 31 Mar 2021

Total Rejection Count: 3708



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### Email Statistics Report

From Apr - 2020 To Mar - 2021

Month-Year	Total Inbound email	Rejections (includes viruses & spam)	Legit Inbound Email	% Rejections	Total Outbound email	Total Internal email
Apr - 2020	6,585	3,402	3,183	51.66 %	921	5,298
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
Mar - 2021	7,979	3,708	4,271	46.47 %	1,442	5,970
<b>Total</b>	<b>92,016</b>	<b>43,475</b>	<b>48,541</b>		<b>14,170</b>	<b>65,713</b>
<b>Mean</b>	<b>7,668.00</b>	<b>3,622.92</b>	<b>4,045.08</b>	<b>47.11 %</b>	<b>1,180.83</b>	<b>5,476.08</b>

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)