

# SANITARY DISTRICT OF DECATUR

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

## MEMORANDUM

DATE: 8/11/2021

SUBJECT: Maintenance Monthly Activity Report for July 2021

### **Overall**

The auction of surplus equipment with Mike Hall Auction Company went very well. All items sold and have now been picked up. After paying advertising expenses, SDD received a check for \$73,946.00 total. Now that the surplus equipment is gone, we can focus on cleaning up and reorganizing the lay down area.

The replacement motor control centers for 210, 231, and Larkdale pump station have been received. I am finalizing work scopes and we will schedule walk throughs with electrical contractors late August 2021 with quotes being opened in September.

Worked with Vincent McCauley and Jared Harris to establish a path for the dedicated Comcast service line. Coordinated setting a new pole near the front gate to allow the new fiber optic line to be ran overhead into the plant. Verified path for directional boring to our existing hand hole.

### **Work Orders Completed, Total of 947**

56 Corrective

8 Improvement / New

841 PM

0 Process

0 Project

8 Safety

0 Training / Meeting

1 Asset Management

33 Proactive Work / Issues found during a Preventive Maintenance.

### **Systems Integrator and I&C Monthly Activity**

- Worked with I&C training on how to upgrade and install programs on new PLC's for minor pump stations

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- Made timing adjustments to the automated clean cycle to the West Headworks grit system
- Prewrite on automatic activation of the West Headworks during high flow events
- Lakeshore pump station program and temporary bypass pumping communication to the plant alarm system
- Working with Ron Guffey on outside pump station run hours and how we get the numbers into the work order management system
- Cleaning up the 203 program and documentation
- Adding SCADA control for the West Headworks Wemco pumps at 009 and 011 buildings
- Worked with Kirby Risk on the proper software for the new 210 building MCC

I&C staff continues to verify calibration on the Chlorine Analyzers 3 times per shift (Monday through Friday) to increase reliability and reading accuracy. The units are functioning well with minimal issues to this point.

Replacement power rails for the nitrification clarifier west cluster spray wash pumps have been ordered. We will replace all four of the units when they arrive. We have experienced nuisance trips on the power feed to this cluster. The spray wash pumps keep the algae build up to a minimum on the weirs. Expected delivery timeframe is late August / Early September 2021.

Parts have been ordered to fully rebuild the control panels on the Wyckles East Loadout Barge. The old panels were rusted beyond repair. We will be installing all new stainless-steel enclosures and updating the controls.

### **Mechanical Maintenance Monthly Activity**

Thank you to Bradley Centola, Garrett Brickey, and Jacob Tipton for working as summer help staff this season. All three did a great job and helped to keep up with groundskeeping around the plant / collection system. They also helped to install landscaping fabric and river rock in areas around the plant that are hard to access with mowing equipment.

Maintenance staff has begun verifying proper operation of ground dewatering pumps around the nitrification clarifiers. Once the ground water levels around the clarifiers are low enough, we will perform our annual maintenance. This project is on hold due to recent heavy rains.

### **M.I.S. Department Monthly Update**

- Network Administration, Helpdesk, Troubleshooting and Repair
  - Ongoing network administration.
  - Worked with Comcast to establish a path for dedicated Fiber Optic Line

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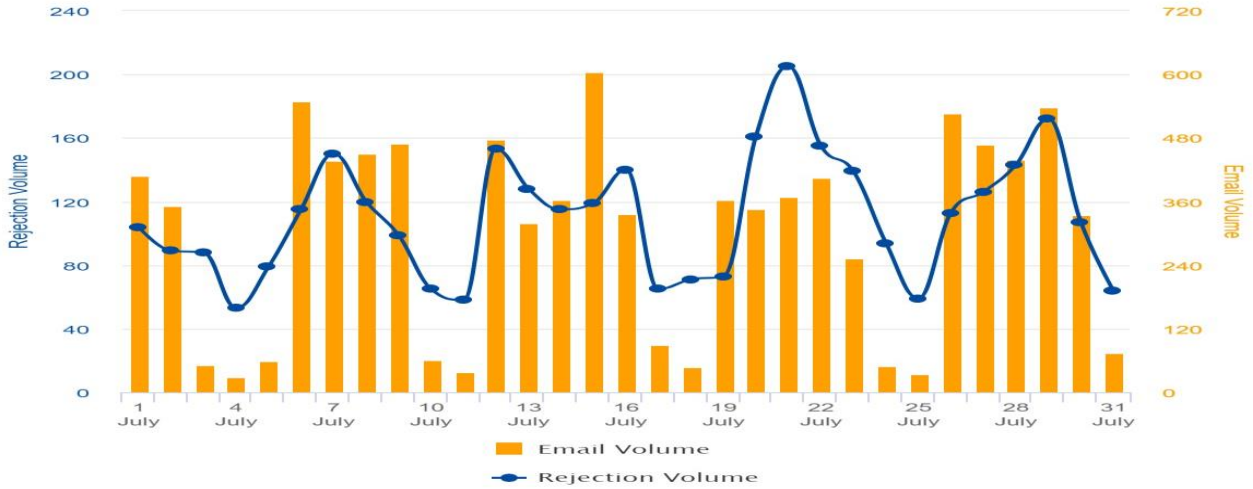
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### Email Security

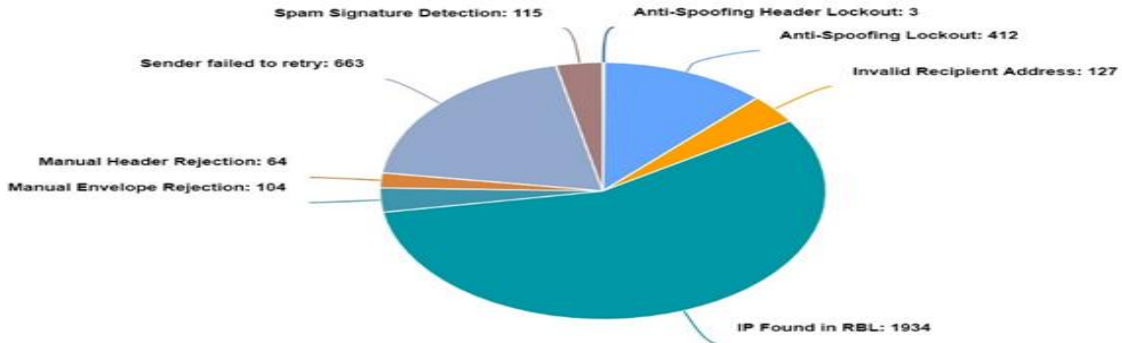
#### Email Volume Vs Rejected Mail

From 1 Jul 2021 To 31 Jul 2021  
Total Email Count : 9336 Total Rejection Count : 3422



#### Rejection Overview

From 1 Jul 2021 To 31 Jul 2021  
Total Rejection Count: 3422



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Email Statistics Report

From Aug - 2020 To July - 2021

Month-Year	Total Inbound email	Rejections (includes viruses & spam)	Legit Inbound Email	% Rejections	Total Outbound email	Total Internal email
Aug - 2020	7,016	3,405	3,611	48.53 %	938	4,219
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
Apr - 2021	11,752	7,729	4,023	65.77 %	1,367	6,039
May - 2021	12,426	8,530	3,896	68.65 %	1,166	5,205
June - 2021	7,267	3,343	3,924	46.00 %	1,308	4,987
July - 2021	7,389	3,422	3,967	46.31 %	1,377	3,992
<b>Total</b>	<b>100,530</b>	<b>51,768</b>	<b>48,762</b>		<b>15,340</b>	<b>63,837</b>
<b>Mean</b>	<b>8,377.50</b>	<b>4,314.00</b>	<b>4,063.50</b>	<b>49.81 %</b>	<b>1,278.33</b>	<b>5,319.75</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)