

# SANITARY DISTRICT OF DECATUR

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

## MEMORANDUM

DATE: 10/19/2021

SUBJECT: Maintenance Monthly Activity Report for September 2021

### **Overall**

Quotes were opened 10/11/21 @ 10:30AM for installation of the Blower Building MCC. The quote tabulation sheet is included below for your reference. We will get the 210 building and Blower Building projects rolling as soon as possible.

Project Quote Tabulation				
Project: Blower Building MCC Installation Project			Date	10/11/2021
			Time	10:30AM
Present: J. D. Malone, Russell Hazelwonder				
Contractor Name	Exceptions	Quote Amount	Alt. Quote Amount	Total
Commercial Electric	No Quote Received			
Anderson Electric	none	\$8,150.00		\$8,150.00
Bodine Electric	none	\$13,875		\$13,875

The Trico oil storage system should ship to us by mid-November. We will begin installation as soon as the equipment arrives on site. I will include pictures of the completed installation in future reports.

Beehive will perform supervisor training (Beehive 101) November 4<sup>th</sup>. This training will introduce supervisors to the software along with completing installation on their desktops. After training they will have time to familiarize themselves with the software prior to the February 1 go live date. In January we will be training field staff on day-to-day software use. Beehive reps will be on site mid-November also to make sure the data transfer is going well, and all our job history gets moved over.

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### **Work Orders Completed, Total of 1328**

52 Corrective

0 Improvement / New

1230 PM

5 Process

1 Project

4 Safety

1 Training / Meeting

0 Asset Management

35 Proactive Work / Issues found during a Preventive Maintenance.

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

- Worked with SCADAWARE to get a set of engineered drawings for the 210 PLC rebuild
- 210 MCC upgrade
- 231 Blower MCC upgrade
- Pre-work on Larkdale MCC and PLC upgrade
- Pre-work for 325 Pump #3 replacement and program change

Replacement power rails for the nitrification clarifier spray wash pumps arrived on site early October 2021. We will replace multiple defective power rails with new and keep one spare. Using thermography, we found that the feeder circuit breaker for the west cluster spray wash pumps had a bad phase / was overheating. The circuit breaker was replaced with new, and the nuisance trips on the west cluster have been eliminated. The spray wash pumps are used on the nitrification clarifiers to keep the algae build up to a minimum on the weirs.

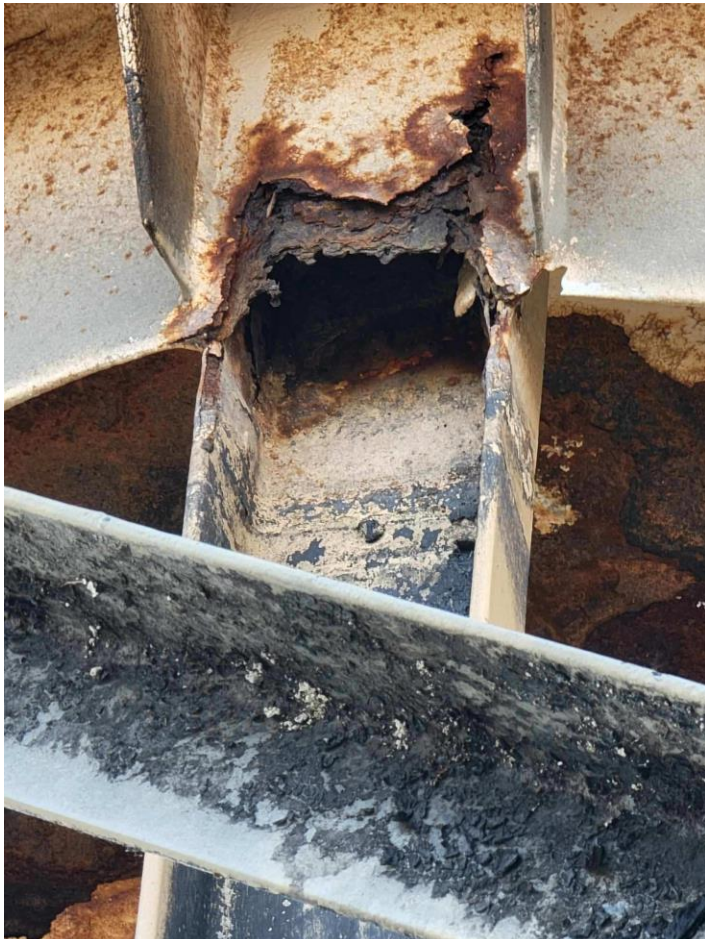
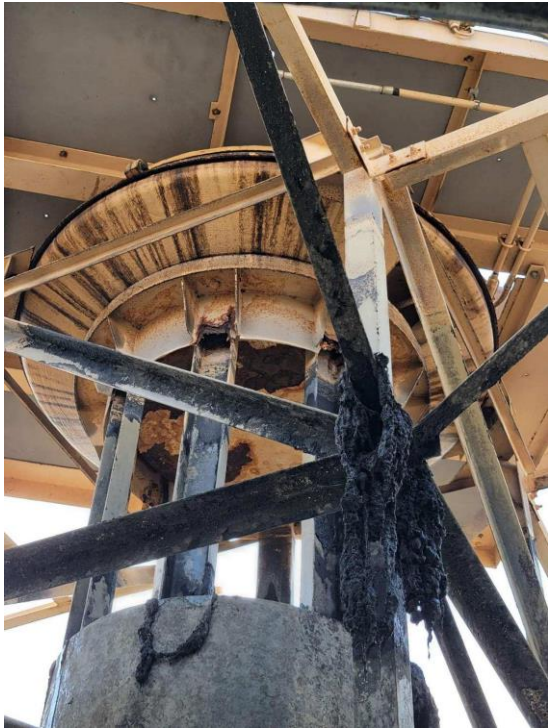
### **Mechanical Maintenance Monthly Activity**

Maintenance staff has completed annual maintenance on all primary clarifiers and replaced all rubber on the skimmers of the nitrification clarifiers. During the inspection of Primary Clarifier #4, material thickness loss / corrosion was found on the center column. I am working with local contractors to obtain quotes for performing a repair on the center column. A few pictures are included below for your reference. Engineering is beginning to put together a replacement specification to begin replacing the carbon steel assemblies on all three east with stainless units in the next few years.

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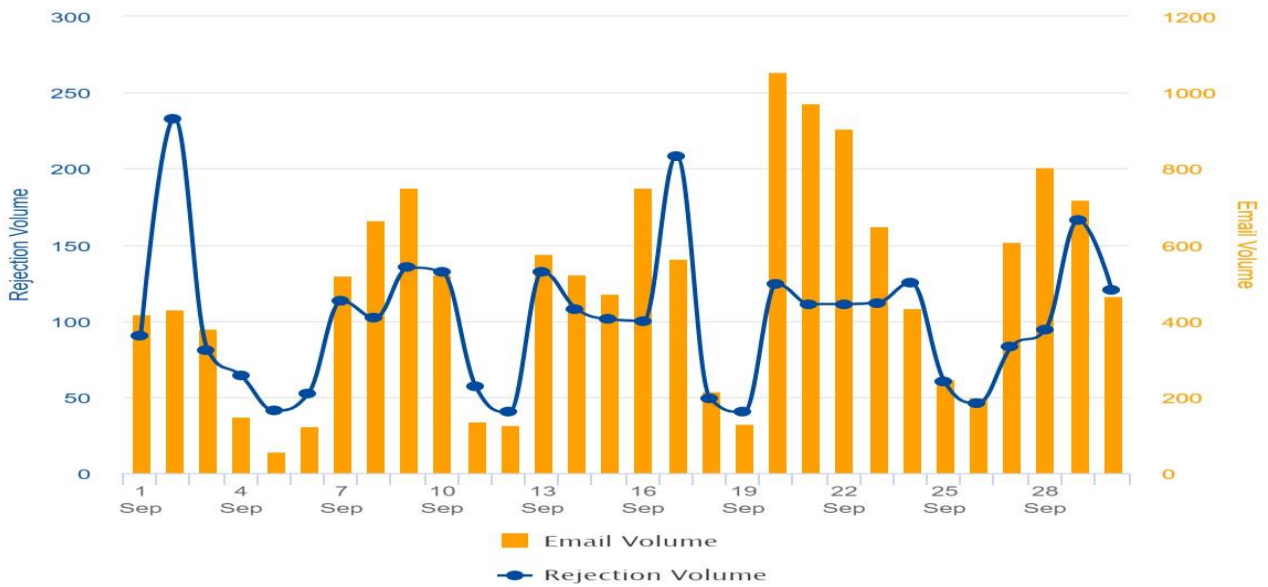
## MEMORANDUM

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

- Network Administration, Helpdesk, Troubleshooting and Repair
  - Ongoing network administration.
  - Worked with Comcast on dedicated fiber optic line. Changeover to the dedicated fiber should happen in November.

### Email Security

**Email Volume Vs Rejected Mail**  
From 1 Sep 2021 To 30 Sep 2021  
Total Email Count : 14554 Total Rejection Count : 3030



#### Email Statistics Report

From Oct - 2020 To Sep - 2021

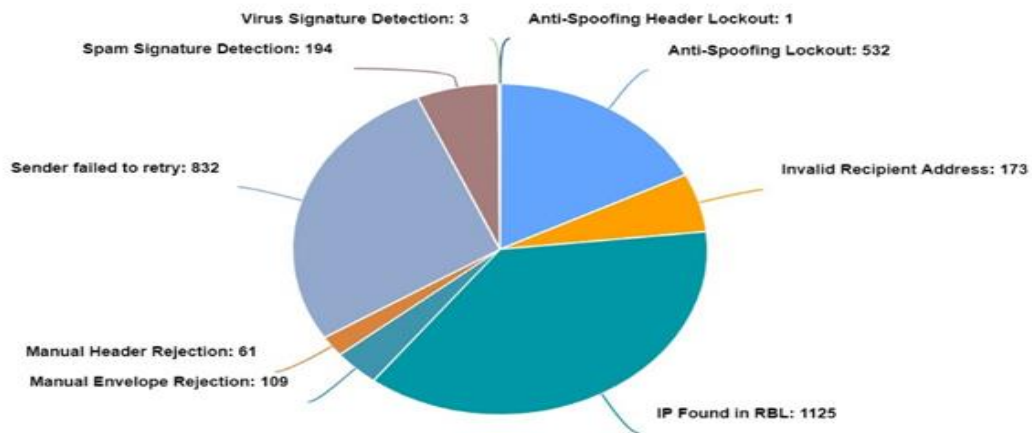
Month-Year	Total Inbound email	Rejections (includes viruses & spam)	Legit Inbound Email	% Rejections	Total Outbound email	Total Internal email
Oct - 2020	5,820	2,877	2,943	49.43 %	793	4,002
Nov - 2020	8,286	4,335	3,951	52.32 %	1,442	6,150
Dec - 2020	7,758	3,479	4,279	44.84 %	1,164	5,809
Jan - 2021	6,766	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
Aug - 2021	8,371	4,179	4,192	49.92 %	1,119	5,718
Sep - 2021	7,104	3,030	4,074	42.65 %	1,053	9,427
<b>Total</b>	<b>97,965</b>	<b>50,289</b>	<b>47,676</b>		<b>14,659</b>	<b>67,477</b>
<b>Mean</b>	<b>8,163.75</b>	<b>4,190.75</b>	<b>3,973.00</b>	<b>49.52 %</b>	<b>1,221.58</b>	<b>5,623.08</b>

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Rejection Overview  
From 1 Sep 2021 To 30 Sep 2021  
Total Rejection Count: 3030



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)