

## **Maintenance Monthly Activity Report for September 2023**

### **Overall**

We are continuing to work with Kirby Risk and alternate vendors to obtain competitive quotes for the motor control center replacement projects. I will provide updates in the following months on the progress.

The orders have been placed for the two 2024 Ford Transit Vans, Ford F250 4x4, and the Ford Maverick. I am now working on replacement options for our 1992 dump truck and the 2015 Ford F450 that are budgeted for replacement. The state contract holder for the F450/550 trucks cannot open ordering until the updated pricing is agreed upon. The dealer is hoping that the order windows will open in the next few weeks.

While attending WEFTEC, we were able to discuss the drifting issues we have had with our Chlorine Analyzers with Hach's equipment experts. They made a recommendation to install a slightly different analyzer on the influent side of the chlorine contact tank to see if that unit would read more reliably. Hach is shipping a trial unit to us the week of 10/16 and we hope to have it installed and up and running by the end of the week. This will give us a few weeks of data to compare to the current unit.

The fully reconditioned Neuros Blower repair has been received. We will begin to put together a project to install the blower and get it piped in. The goal is to have the blower installed and in operation by the end of this fiscal year. Staff will meet in the next few weeks to put together the specifications for installation.

Maintenance and operations staff have been coordinating to get digester #2 pumped down for evaluation. We were experiencing high methane levels in the attic space of digester #2 that created a safety concern. The contents of digester #2 are being pumped in to digester #3 at a slow rate due to the thickness of the material. Digester #3 is now fully in service.

Brian Casch has completed the classroom theory portion of his CDL ELDT (Entry Level Driver Training) Course. At the time of this report, he is finishing up the on the road portion of the training. He should be fully prepared to take the test by the week of 10/23. At that point, Blake Dotson and Sam Mattox will begin to train the remaining staff that needs to obtain their CDL.

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

- Creating monthly spreadsheets for Black & Veatch Power BI with SCADA and Lab data
- Front Gate project drawings and controls
- Working with Farnsworth on the FRAC Tank project programming and High-Performance SCADA graphics
- Working with I&C on the installation and configuration of Digital Paperless Chart recorders at the Major pump stations around town
- Adding PLC watchdog tags to Win 911 and SCADA for Operator notifications.
- Working with Gray Matter Systems on upgrading SCADA and Historian along with adding Proficy Webpace for secure remote access
- Supervising the I&C shop
  - Chlorine analyzers – Daily Cleaning and Restocking Reagents
  - Installing new control panels for the East Barge at Wyckles
  - Installed 3 new VFD's, reversing starters, and Soft Starts at Lost Bridge Pump Station
  - Digester #3 dual axis inclinometers have been added and are operational to watch the lid level angles.
  - Wyckles East barge control panels have been upgraded and tested.

### **Mechanical Maintenance Monthly Activity**

The Sewer Cleaning Crew along with Outside Maintenance Staff has cleared the area to allow for the pipe repairs / replacement on the McKinley interceptor. Pictures are included below of the work performed.





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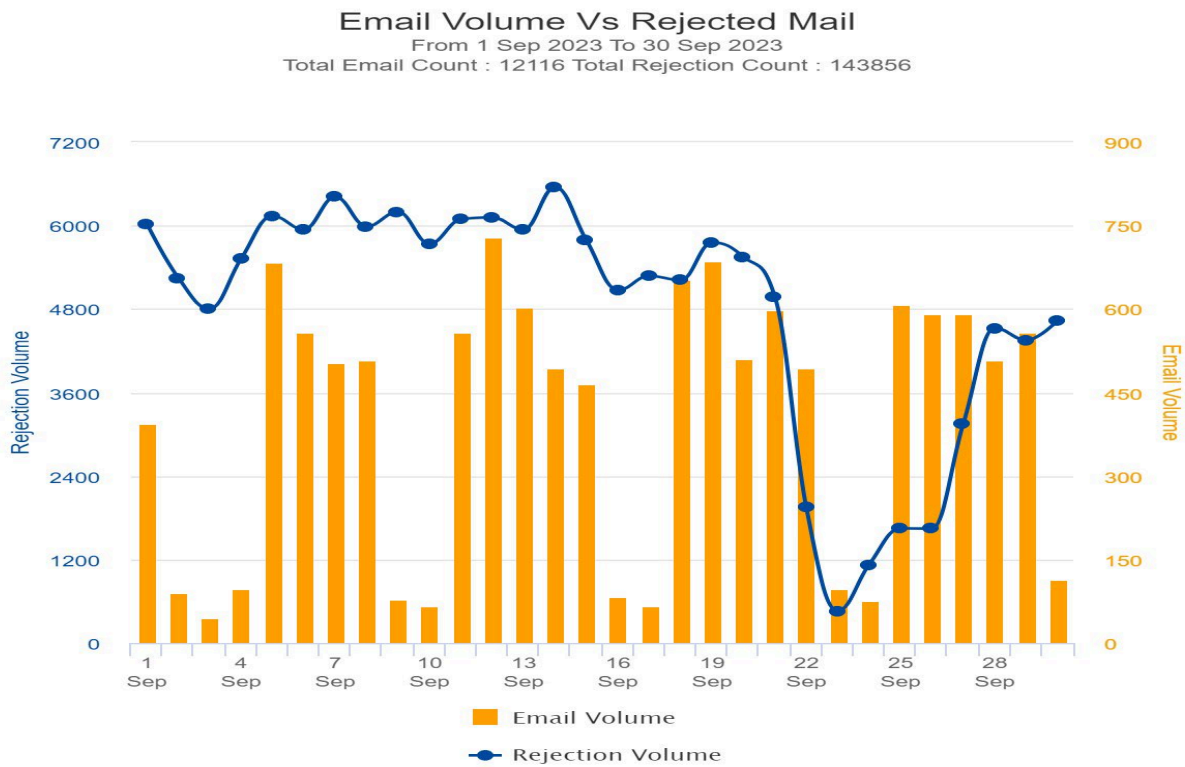
The mechanical maintenance group has completed or is working on the following:

- Preventive Maintenance Work Orders
- Helping w/ mowing and groundskeeping projects
- Prepping for ground dewatering well cleaning / testing pumps
- Installing new ventilation fan motors in 259 Building
- Performing preventive maintenance and repairs to 013 fine screens

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

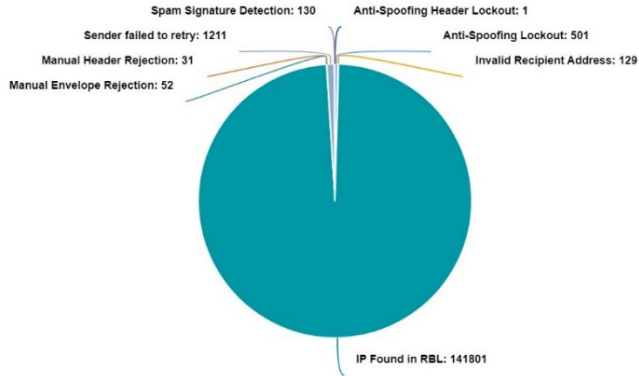
- Network Administration, Helpdesk, Troubleshooting and Repair
  - Ongoing network administration.
  - Tablet Tech Support and Setup for Beehive CMMS
  - Working with Jamey on hardware for upcoming SCADA upgrade

### Email Security



# Maintenance Monthly Activity Report for September 2023

Rejection Overview  
 From 1 Sep 2023 To 30 Sep 2023  
 Total Rejection Count: 143856



## Email Statistics Report

From Oct - 2022 To Sep - 2023

Month-Year	Total Inbound email	Rejections (includes viruses & spam)	Legit Inbound Email	% Rejections	Total Outbound email	Total Internal email
Oct - 2022	5,459	1,511	3,948	27.68 %	1,197	4,752
Nov - 2022	7,451	2,809	4,642	37.70 %	1,301	7,029
Dec - 2022	7,208	2,970	4,238	41.20 %	1,242	6,017
Jan - 2023	7,158	2,490	4,668	34.79 %	1,142	6,666
Feb - 2023	7,413	2,960	4,453	39.93 %	1,132	6,509
Mar - 2023	9,775	4,234	5,541	43.31 %	1,465	9,092
Apr - 2023	7,803	3,116	4,687	39.93 %	1,181	6,268
May - 2023	55,625	50,888	4,737	91.48 %	1,269	6,932
June - 2023	47,612	42,780	4,832	89.85 %	1,149	7,685
July - 2023	11,445	6,632	4,813	57.95 %	1,203	6,541
Aug - 2023	48,703	43,358	5,345	89.03 %	1,430	8,183
Sep - 2023	148,905	143,856	5,049	96.61 %	1,132	5,935
<b>Total</b>	<b>364,557</b>	<b>307,604</b>	<b>56,953</b>		<b>14,843</b>	<b>81,609</b>
<b>Mean</b>	<b>30,379.75</b>	<b>25,633.67</b>	<b>4,746.08</b>	<b>57.46 %</b>	<b>1,236.92</b>	<b>6,800.75</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)