

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

### **Overall**

The MCC budget is being revised to reflect pricing increases of over double what we expected for the budgeted projects. The new plan will address MCC replacement at one MCC per year rather than three.

The orders have been placed for the two 2024 Ford Transit Vans, Ford F250 4x4, Ford Maverick, and the Ford F550 cab & chassis. I am now working on replacement options for our 1992 dump truck.

We plan to relocate our chlorine analyzers closer to where the samples are being taken to attempt to get more accurate readings. The samples are now pumped through underground piping over 150ft before straining. We will install panels at each sample location to remove the possibility of organics growing in the sample line and impacting the sample.

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.

Congratulations to Jamey Oliver on accepting the Information Systems Manager Position. Jamey will supervise the I&C group, Systems Integrator, and IT staff when Vincent retires.

Congratulations to Brian Casch on obtaining his CDL license in late October. Brian is the first student through our Entry Level Driver Training (ELDT) program. The training went well, and it was a great learning experience for Brian and our trainers. Blake and Sam will begin classroom training for our next three students the week of 11/13. The classroom portion of the training will be completed by the end of the week. They will then work on the course and public road portion of the training one on one.

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

- Creating monthly spreadsheets for Black and Veatch Power BI with SCADA and Lab data
- Front Gate project drawings and controls have been updated to use new sensors
- 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

## Maintenance Monthly Activity Report for October 2023

- Working with Gray Matter Systems on upgrading SCADA and Historian along with adding Proficy WebSpace for secure remote access  
Supervising the I&C shop
  - Chlorine analyzers
  - Upgrading old plc cabinet at St. Louis Bridge pump station
  - Lincoln Park CSO facility gates 1,3, and 4 are back in operation. Gate #2 needs new wire. We are putting together a project to complete the repairs.
  - Pre work on 217 grit classifier replacement plc panels
  - PM's

Below are some pictures of recently completed I&C projects:

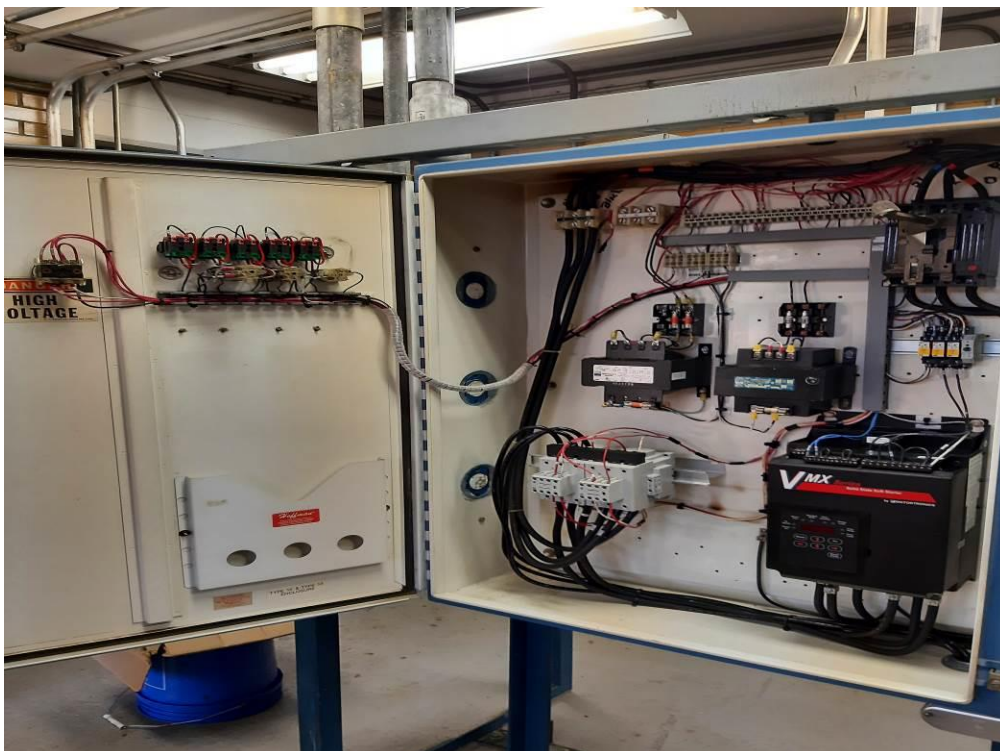


Replacement Wyckles Loadout Barge Control Panel and Disconnects

## Maintenance Monthly Activity Report for October 2023



Digester #3 Lid Level Inclinometer Installation



Lost Bridge Wiring Clean Up – Soft Start Upgrade – Contactor Replacement

## Maintenance Monthly Activity Report for October 2023

### Mechanical Maintenance Monthly Activity

The Sewer Cleaning Crew utilized the forestry mulcher to perform some clearing in preparation for the 2024 televising contract. The crew has also been working with engineering to locate manholes and cleaning lines that have been identified as needing attention during the 2023 televising contract.

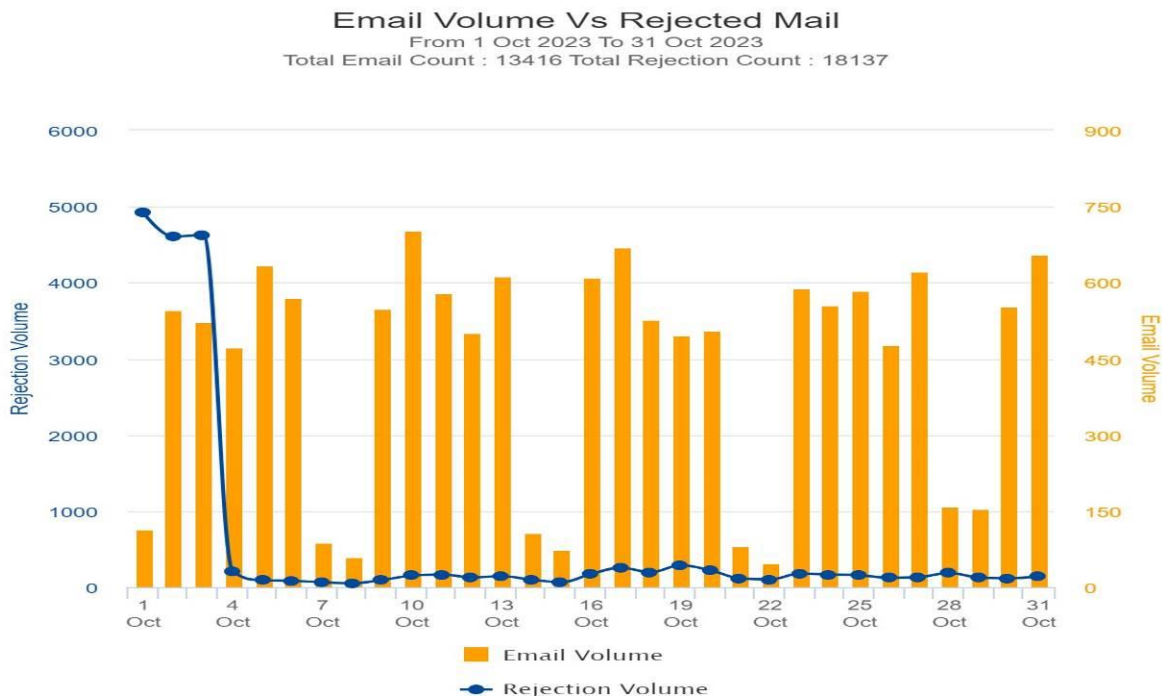
The mechanical maintenance group has completed or is working on the following:

- Preventive Maintenance Work Orders
- Helping w/ mowing and groundskeeping projects
- Digester Heat Exchanger PMs and Repairs
- Winterizing disinfection systems and equipment
- Finished prep and startup for the 2023 biosolids land application season

### 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
  - Replacing individual workstations due to equipment age
  - Setting up equipment for ELDT Training to utilize the training room

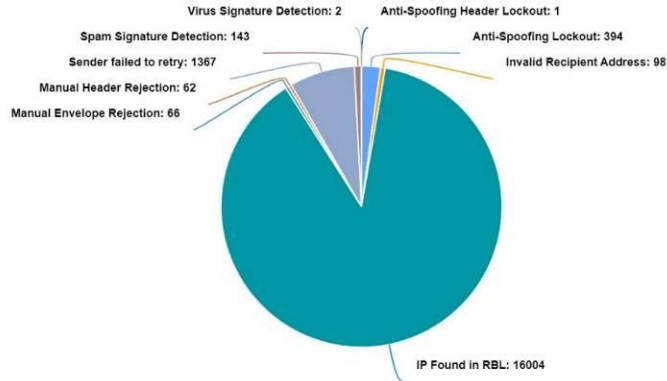
### Email Security



# Maintenance Monthly Activity Report for October 2023

## Rejection Overview

From 1 Oct 2023 To 31 Oct 2023  
Total Rejection Count: 18137



## Email Statistics Report

From Nov - 2022 To Oct - 2023

Month-Year	Total Inbound email	Rejections (includes viruses & spam)	Legit Inbound Email	% Rejections	Total Outbound email	Total Internal email
Nov - 2022	5,945	2,278	3,667	38.32 %	1,083	5,969
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
Oct - 2023	23,509	18,137	5,372	77.15 %	1,368	6,676
<b>Total</b>	<b>381,101</b>	<b>323,699</b>	<b>57,402</b>		<b>14,796</b>	<b>82,473</b>
<b>Mean</b>	<b>31,758.42</b>	<b>26,974.92</b>	<b>4,783.50</b>	<b>61.63 %</b>	<b>1,233.00</b>	<b>6,872.75</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)