

## **Maintenance Monthly Activity Report for October 2022**

### **Overall**

Due to scheduling issues, the 210 motor control center installation will be completed in early spring 2023. The coming holidays and colder weather make the installation not feasible this winter.

Replacement gate actuators have been installed at our Lincoln Park CSO facility. While Dorner staff was on site, they took the final measurements on the stem nuts at 7<sup>th</sup> Ward and are now in the process of machining them. We will complete the installation of the actuators at 7<sup>th</sup> Ward as soon as the nuts are machined and on site.

I am working with Kirby Risk to put together layout and pricing for three additional replacement motor control centers for this fiscal year. The three replacements will be in the 054 building, 325 (North Motor Control Center only this fiscal year), and 203 Building.

We have installed the new shaft seal assembly on linear motion mixer #1 at the digester complex. We will monitor the operation of this unit and see if the modification helps with the frequent oil seal failures. We should have failure analysis information the gearbox we pulled from digester #1 in the next few weeks.

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

- Lakeshore Pump Station Project work and documentation
- Working with Vince to update the Administration network that runs through each building in the plant for better WiFi access.
- Separating and documenting both networks (Process and Admin) by color coding the wiring used for easier identification (Bodine Electric)
- LIMS to Historian integration work with Industrial Network Systems
- Front gate project moving Comcast cable to a different location

### **Mechanical Maintenance Monthly Activity**

The maintenance group completed the annual cleaning maintenance of all fire tubes on the three sludge heat exchangers that are in service at this time.

The grease issue at the Lakeshore pump station has improved steadily in the last month. We are not seeing large amounts of grease accumulation in the wet well. We are in the process of servicing the air release valve on the force mains that see flow from Lakeshore. We have found multiple units that are badly plugged with grease. We are replacing the plugged units with new and bringing the fouled units back to the plant for cleaning and reconditioning.

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David Cunningham (SDD Groundskeeper) is installing 911 address signs at our outside pump stations that have addresses associated with them. He has marked out locations and will contact JULIE for the locations that will require posts to be set.

Maintenance and I&C worked together to install a new concrete pad and control panel to house our main fiber optic connection and modem for the plant. This project will permanently relocate our main fiber optic connection away from the front gate area.

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

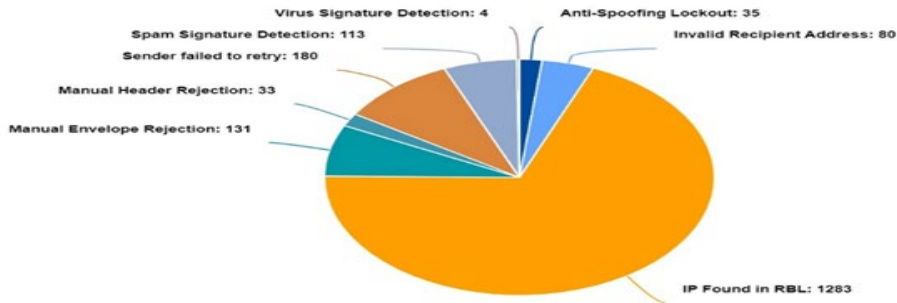
- Network Administration, Helpdesk, Troubleshooting and Repair
  - Ongoing network administration.
  - Tablet Tech Support for Beehive CMMS – Troubleshoot syncing issues
  - Working with I&C staff and Jamey Oliver to update the network from 10/100 to Gigabit around the plant.
  - Replaced the main network switches and updated VLANs

### Email Security



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## Rejection Overview From 1 Oct 2022 To 31 Oct 2022 Total Rejection Count: 1859



## Email Statistics Report

From Nov - 2021 To Oct - 2022

Month-Year	Total Inbound email	Rejections (includes viruses & spam)	Legit Inbound Email	% Rejections	Total Outbound email	Total Internal email
Nov - 2021	5,528	2,287	3,241	41.37 %	879	14,410
Dec - 2021	6,883	2,803	4,080	40.72 %	1,584	4,429
Jan - 2022	7,473	3,250	4,223	43.49 %	1,253	4,767
Feb - 2022	6,747	2,487	4,260	36.86 %	1,361	4,756
Mar - 2022	7,316	2,873	4,443	39.27 %	1,488	5,892
Apr - 2022	7,777	3,467	4,310	44.58 %	1,285	4,993
May - 2022	7,408	2,722	4,686	36.74 %	1,198	5,707
June - 2022	7,377	2,954	4,423	40.04 %	1,662	5,519
July - 2022	7,335	3,118	4,217	42.51 %	1,143	4,735
Aug - 2022	8,359	3,496	4,863	41.82 %	1,449	7,827
Sep - 2022	7,066	2,631	4,435	37.23 %	1,374	5,800
Oct - 2022	7,063	1,861	5,202	26.35 %	1,897	6,191
<b>Total</b>	<b>86,332</b>	<b>33,949</b>	<b>52,383</b>		<b>16,573</b>	<b>75,026</b>
<b>Mean</b>	<b>7,194.33</b>	<b>2,829.08</b>	<b>4,365.25</b>	<b>39.25 %</b>	<b>1,381.08</b>	<b>6,252.17</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

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