

## **Maintenance Monthly Activity Report for August 2025**

### **Overall**

The Ford F750 dump truck tarp system installation was delayed due to material availability. The tarp will be installed by the end of September.

The F550 4x4 has been a great addition to our fleet. The extended reach and capacity of the crane has already been useful in helping to pull pumps here at the plant. During a pre-use inspection, our safety truck's lifting rope was found to have a gouge in it. With the safety truck out, the crane has been crucial in keeping multiple projects moving forward. A replacement lifting rope has been ordered through Drake Scruggs, but it does have a lead time of 3-4 weeks.

The Cushman 800G utility truck had to be sent to Prairieland Golf Carts for warranty repairs. The ignition coil in the unit failed, and it would not start. The repair was completed under warranty, and the unit is now back in service.

We are currently reviewing PM schedules across all buildings and adjusting them where needed. As part of this process, we're uploading O&M (Operations & Maintenance) manuals, photographing all assets, and verifying that nameplate data is accurately reflected in Beehive. Completed JSA (Job Safety Analysis) forms are also being incorporated into routine tasks.

We had a conference call with Beehive representatives to discuss the extended delay in our transition to Beehive 2.0. The delay has been caused by an issue that they had found during their testing that involves recurring work orders (Preventive Maintenance Schedules). They believe they have the bugs worked out and we should transition to Beehive 2.0 in the next 6-8 weeks. The current software is working fine, but we are looking forward to the benefits of the update.

Altorfer completed the extensive repairs to the hydraulic system of the backhoe. Now that the unit is ready for service, we have multiple projects that were on hold due to the unit being down. We plan to replace multiple valves and repair hydrants around the plant before winter.

Due to an accumulation of plastics around the mechanical seals, both Foul Sewer pumps at 7<sup>th</sup> Ward failed in July. The repair of the pumps will take a minimum of 6 weeks. We removed pump 1 from St. Louis Bridge and installed it at 7<sup>th</sup> Ward. It is now back up and running. The repairs are in process and should be completed in early October 2025.

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

- Completed all wiring and integration for the Damon Ave Electrical Upgrades. We have some additional labeling we need to complete to wrap up the project.
- Working with Engineering and Contractors on the new Administrative Workforce Center. Reviewing the final equipment layout in the mechanical areas.
- Installed noise suppression circuit boards on all Auma actuators at the 7<sup>th</sup> Ward and Lincoln Park CSO facilities. We had experienced the operation of the gates at incorrect times due to low levels of induced voltage. The circuit boards have eliminated this issue. Staff also pulled spare wire into the trough at the Lincoln Park CSO facility.
- Working with the M.I.S. Coordinator on the new Microsoft Teams phone system start-up and staff training. Phones were rolled out, and Teams training was provided on 9/11/2025. Set up the auto attendant programs for the main number and on call overtime.
- PM and Corrective Work Orders
- Working with maintenance and operations to verify all equipment is ready for the upcoming land application season. Rewired trollies for the floating pump to make it easier to move the unit north and south in the lagoon.
- Pulled in new wire for the impending torque and over torque indications on Primary Clarifiers 4,5, and 6.
- It was found that the conduit and wire that fed groundwater well D-8 were bad. Staff ran a new conduit and pulled new wire to reestablish the pump. Staff are working with engineering to adjust the start and stop points on the wells to optimize operation.
- Worked with maintenance on the rebuild of the RAS pumps. Replaced the associated conduit, pulled new wire, replaced seal water solenoids, and verified proper operation.
- Completed yearly Thermography on all motor control centers in the plant and the collection system.

### **Mechanical Maintenance Monthly Activity**

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

- Preventive Maintenance Work Orders
- RAS pumps #1 and #5 have been fully rebuilt and are now in service. Maintenance staff will begin the rebuild of RAS Pump #8 as soon as possible.

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- Outside Maintenance staff prepped for and assisted with the Larkdale force main inspection. They are now working with engineering to prep for the Damon South force main inspection and rehab.
- Outside maintenance staff are working with I&C and Operations to verify all equipment is ready for the upcoming land application season.
- The Buildings & Grounds crew continues to mow, spray, and maintain grounds. The grass growth has slowed due to the limited amount of rain we have received. This has allowed them to perform easement maintenance.
- Telescan will be onsite in August to perform an inspection of the underside of the lid on secondary digester #2. The underside of the lid is in much worse condition than we expected. A still of one of the larger holes from the video is included below for your reference. The video was shot with a 360-degree camera mounted on our submarine inspection camera.



Image of hole in Secondary Digester #2 lid

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

- Network Administration, Helpdesk, Troubleshooting, and Repair
  - Ongoing network and user administration.
  - Completed Google Cybersecurity Course
  - Set up all TEAMS VOIP (Voice Over Internet Protocol) equipment and prepped for port over all DID (Direct Inward Dialing) numbers.

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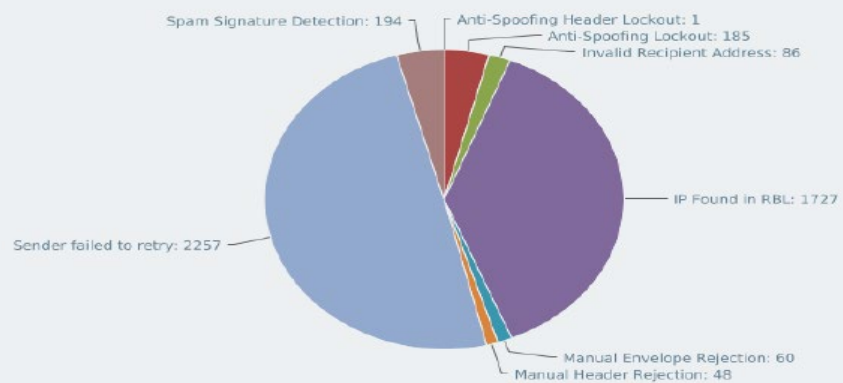
- Projects –
  - Creating Call Flows and Auto Attendants for the new phone system
    - Executed the cutover to the new phone system in early September. Provided support as needed.

### Email Statistics

Month-Year	Total Inbound Email	Rejections (includes viruses & spam)	Legit Inbound Email	% Rejections	Total Outbound Email	Total Internal Email
Sep - 2024	8,905	3,001	5,904	33.7 %	1,705	7,832
Oct - 2024	9,445	2,941	6,504	31.14 %	1,862	8,293
Nov - 2024	8,696	3,295	5,401	37.89 %	1,458	7,758
Dec - 2024	8,351	3,130	5,221	37.48 %	1,431	8,030
Jan - 2025	13,210	6,666	6,544	50.46 %	1,462	8,055
Feb - 2025	62,182	55,520	6,662	89.29 %	1,452	6,044
Mar - 2025	65,440	59,221	6,219	90.5 %	1,523	7,259
Apr - 2025	57,494	50,248	7,246	87.4 %	1,883	8,919
May - 2025	13,170	5,766	7,404	43.78 %	2,036	10,222
June - 2025	10,441	3,804	6,637	36.43 %	1,738	8,143
July - 2025	11,717	4,402	7,315	37.57 %	1,962	8,914
Aug - 2025	11,593	4,558	7,035	39.32 %	2,145	9,388
Total	280,644	202,552	78,092		20,657	98,857
Mean	23,387	16,879.33	6,507.67	51.25 %	1,721.42	8,238.08

### Rejection Overview

Total Rejection Count: 4558



If you have any questions or would like additional information about the maintenance department and our activities, feel free to contact me.

James Malone, CPMM

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