

Maintenance Monthly Activity Report for May 2024

Overall

Bodine Electric provided the lowest quote for installing the 054 Building Motor Control Center. We are coordinating dates with them to complete the installation in late June or early July 2024. Our I&C staff is rerouting and reconfiguring some of the bottom entry conduits to allow for the expansion of the housekeeping pad that the motor control center is mounted on.

We currently have three vehicles on order (a Ford F750 Dump Truck, a Ford F550 Service Body, and a Ford Maverick). We are working with Mike Hall Auctions to finalize our surplus equipment auction dates.

All FEMA paperwork has been completed and submitted for the June 2023 derecho response. IEMA has \$29,552.73 designated for SDD. I verified on 5/15/24 that they had received all the paperwork. We are holding for the final payment.

During attendance of the WWETT show in Indianapolis, we met a vendor that specializes in safety training and procedures for sewer cleaning crews. Nezat Training and Consulting will be on site from July 22nd through July 24th conducting the training. The three days will consist of one day of classroom training and two days of field training. We have committed to training ten of our maintenance staff members.

M&M Cleaning and Detail performed a deep clean of all SDD plant restrooms, the administration building, the maintenance building common areas, and central monitoring. They will also perform the annual floor cleaning maintenance in the coming weeks.

Congratulations to Lance Smith for completing Phase 3 of the maintenance training program.

Systems Integrator and I&C Monthly Activity

- Creating monthly spreadsheets for Black & Veatch Power BI with SCADA and Lab data
- Working with I&C on the installation and configuration of Digital Paperless Chart recorders at the Major pump stations around town
- Repairs to the front gate call box and card reader have been completed.
- Training Patrick on different aspects of the Systems Integrator position.

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- 325 Switchgear troubleshooting and repair.
- PM's
- I&C employees are performing the necessary maintenance and calibrations on the new PH, ORP, and TSS meters that are installed on the FRAC tank project.
- I&C staff is cleaning up damaged conduit and improving the labeling on the control panels for the final clarifiers and aeration tank gates. The conduits were also rerouted, and the number of fittings was reduced for improved maintenance access. Pictures are included below for your reference.
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Clarifier Center Drive Wiring Example



Before



After

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Aeration Gate Control Example



Before

After

Mechanical Maintenance Monthly Activity

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

- Preventive Maintenance Work Orders
- The loadout pump and mixer were pulled at Wyckles for their annual proactive rebuilding.
- Inside maintenance pulled the damaged west cluster gate and installed a new one. The old gate had swollen and bound in the channel. The new gate is now installed and in operation.
- The drive motor for effluent pump #4 was rebuilt by Bodine Electric and has been installed.
- Inside maintenance and I&C completed the installation of four replacement gate actuators on the secondary aeration basin. Staff also helped with multiple other gates and valves in preparation for the shutdown for the circuit breaker installation at 325.
- The sewer cleaning crew has begun the annual cleaning of all pump station wet wells. They will work through all stations as time and weather allows.
- Outside maintenance staff are completing repairs to issues that were found during easement clearing and the annual inspections.

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- Linear motion mixer #3 has developed a metallic chirp that is happening on each stroke. J. D. Malone supplied a video to Ovivo that illustrates the noise and where it occurs in the stroke. Ovivo has not provided feedback on the noise yet. They have stated that the noise is abnormal. They have requested that we inspect the gears when we perform our next oil change on the gearbox.
- Maintenance staff coordinated with operations to complete the isolation test of the 259 building in preparation for the installation of the replacement main isolation valve. Staff is working with Jeff Burdick to set up dates for the preparation and installation of the valve.

M.I.S. Department Monthly Update

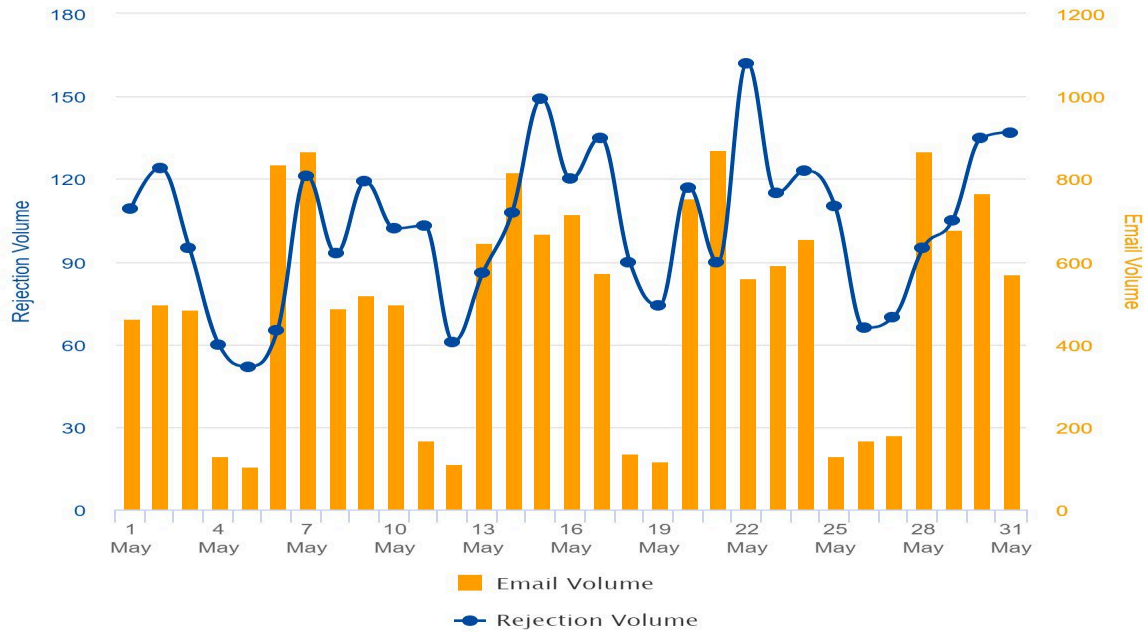
- Network Administration, Helpdesk, Troubleshooting and Repair
 - Ongoing network administration.
 - Tablet Tech Support and Updates for Beehive CMMS
 - Working with Jamey on SCADA and Win911 Mobile Upgrades
 - Testing different tablet types to help make the SCADA system easier to use on mobile devices while maintaining a high level of security.
 - Mark Cable is training with Vincent McCauley on our current equipment and software.

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Email Volume Vs Rejected Mail

From 1 May 2024 To 31 May 2024

Total Email Count : 15633 Total Rejection Count : 3191



Email Statistics Report

From June - 2023 To May - 2024

Month-Year	Total Inbound email	Rejections (includes viruses & spam)	Legit Inbound Email	% Rejections	Total Outbound email	Total Internal email
June - 2023	5,546	2,312	3,234	41.69 %	737	5,653
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
Nov - 2023	8,239	3,283	4,956	39.85 %	1,439	6,005
Dec - 2023	7,651	2,816	4,835	36.81 %	1,245	6,183
Jan - 2024	9,548	3,911	5,637	40.96 %	1,718	7,259
Feb - 2024	39,413	34,586	4,827	87.75 %	1,638	7,532
Mar - 2024	24,332	19,956	4,376	82.02 %	1,385	14,699
Apr - 2024	8,734	3,010	5,724	34.46 %	1,727	8,589
May - 2024	8,684	3,191	5,493	36.75 %	1,630	8,510
Total	344,709	285,048	59,661		16,652	91,765
Mean	28,725.75	23,754.00	4,971.75	60.08 %	1,387.67	7,647.08

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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