

# EMPLOYEE NEWSLETTER

## WHAT'S GOING ON AT UMHJSA

March 2025



### Grit Chambers:

As you all know, we have recently installed a Duperon bar screen in grit channel #1. Grit collector #1 will be having a replacement stainless steel housing (hood) installed AFTER grit collector #2 receives a serious overhaul. This overhaul will include new chain, buckets, shafts, sprockets, wall bearings, rails, tensioner, drive motor, drive, gearbox, and drive sprocket(s). The anticipated time frame for completion is currently July 2025 with grit collector #1 hood installation following shortly after.

### Screw Press #2:

The Phoenix belt press is finally getting its well-deserved farewell. Being installed in its place will be another Schwing Bioset screw press. In addition, there will also be a new screw conveyor to replace the main horizontal belt and a cake pump to act as another option to feed cake to the furnace other than the troublesome conveyor system. The anticipated time frame for completion is August 2025.

### Primary Effluent Pump Station (PEPS):

The PEPS will be receiving quite a facelift allowing more room to house new VFD's, cabinets, and other supporting units. These improvements will support the new KSB submersible pumps that are replacing three of the four existing Flygt pumps. The remaining Flygt pump will serve as a backup in the event of a pump failure which is something we currently do not have. The anticipated time frame for completion is October 2025. After completion, we will be replacing the dry well valves and installing pump flow meters in 2026.

### Primary Tank Repairs & Upgrades:

Major rehabilitation will be performed on primary tanks 1 thru 12. Work will be done on two tanks at a time and will include repairing the severely degraded concrete on the underside of the decking and the replacement of existing sludge removal components. Additionally, we are looking to replace the overflow weirs and top rails at a later date. The anticipated time frame for completion is by end of 2026.

### UV Replacement:

The Trojan UV4000+ has worked well for us in its tenure here, but it is an aging unit. Pushing roughly 19 years old, support for this model has been discontinued. This leads us to move forward with a new Trojan Signa UV which will require many changes to the channel and layout of the building. These changes will make it a safer environment for maintenance and operational tasks. We have applied for a \$1,000,000 grant to assist in these improvements. Work will begin after we receive notice of approval. This puts the anticipated time frame for completion into summer of 2026.