

Water and Wastewater Items to be Repaired or Replaced

As of 3/16/23

Phill Laramie will conduct a walkthrough of the facility on 3/20/23 and provide a more complete list

Water:

- Wire and calibrate PH Meter at water house.
 - Call Tom Allen to schedule this work.
- Obtain assessment from electrician of water tank mixer that is not working.
 - Need to call Dan Pratt to get him scheduled for this work. If this does not work then we need to take a next step to fix the issue
- Update operators manual at water house.
 - Paula Jackson from Vermont Rural Water Association will work with staff to update the manual.
- Common alarm at water house is malfunctioning.
 - Call Tom Allen to assess and suggest repair or replacement.
 - While Tom Allen is onsite we will ask for quote on upgrading the common alarm which currently sends the same alarm for issues at the water house and pump station. It would be ideal if the alarm would specify the location of the issue.
- Screens on reservoir tank needs to be replaced
 - This is a result of the Sanitary Survey that took place in February. Screens have been ordered and staff will install.

Wastewater:

- The dialer to the pager from the alarm system needs to have installation finished.
 - This was found to be not operational at the end of Kendall Chamberlin's tenure. Tom Allen quickly corrected this to have the alarm send texts to staff cell phones until the alarm is cleared in SCADA. The next step is to have Tom Allen set up to alarm system to call the pager when there is an alarm and the cell service is not working.
- Order the second influent pump.
 - Two options:
 - Purchase a new pump from Champlin
 - Purchase a used pump from Phil Laramie which would provide a patch until the 20 Year Wastewater Treatment Facility Evaluation can be completed, at which point there will be clear guidance on the proper size pump.
- Repair the septage pump.
 - This is a full day project that will shut down septage receiving for the day. This can be done with in-house staff. This is scheduled for the week of March 20 - 24.
- Finish creating checklist for post power outage procedures.
 - This has been started. Staff will work together to refine and finalize.

- Repair nonfunctioning pump in the pump station.
 - Phil Laramie is going to inspect and repair on Monday, March 20.
 - If he has time while he is on site he will replace the switch and two solenoids on the pump that is currently functioning. If he does not have time this work will be scheduled for a future date. The parts for this repair are on site.
- Repair check valve on older pump in the pump station
 - Phil Laramie will provide a quote for this work.
- Repair one backwash pump. Replace one Backwash pump.
 - The pump to be repaired has been removed by Phil Laramie. He has ordered the parts for the repair and will rebuild the pump and re-install.
 - A new pump has been ordered to replace the older pump that is currently functioning.
 - Once the rebuilt pump and the new pump are in place, the older pump that is currently in place will be removed and rebuilt and kept in stock as a backup.
- Assess why the recently installed grit motor is not functioning properly.
 - Phill Laramie will assess this on March 20 and provide a plan to repair.
- Replace auger liner.
 - The liner and the screw were both replaced in Spring of 2022.
 - The screw broke in December 2022. During this repair staff observed that the liner needed to be changed.
 - Need to schedule Phil Laramie to conduct this repair. This is a two day repair where we cannot accept septage.
- The dewatering press is overdue to be cleaned. It should be cleaned every six months.
 - This process can be completed by staff. This is also a day of shutdown where there can not be septage receiving. This has been scheduled for Monday, March 27.
- Air valve on dewatering press needs to be replaced
 - Staff will order a new valve and install.
- Build steps to the digester.
 - These will be built in the next two weeks
- Repair hazardous gas alarm.
 - Phill Laramie will provide an estimate of cost. Once this is in place quotes will be obtained for the repair.
- Improve ventilation in the dewatering building
 - Steve has arranged for Avonda Air to assess the situation and provide solutions
- Install outdoor control for overhead doors at dewatering
 - Limoge will provide an estimate to install
- Repair UV meter.
 - Allen has asked for a quote from Trojan which is the manufacturer.
- Clean and repair aeration tanks.
 - Valves on drains for both tanks need to be repaired. Need to drain tank to repair valves.
 - Staff will start with the tank that is currently offline to drain and repair the valve. Once this tank is running the same process will take place on the second tank.
- Clean solids out of all holding tanks.
 - Staff will get quotes and proceed with cleaning by mid-April. Cleaning will take a day and will shut down septage receiving for the day.