



CITY OF EDMONDS

www.edmondswa.gov

WASTEWATER TREATMENT PLANT

200 2ND AVENUE SO. • EDMONDS, WA 98020
(425) 771-0237 • FAX (425) 771-0255

MIKE NELSON
MAYOR

March 2023

Subject: Carbon Recovery Project; Update #8



**Gasifier
Lower level**



**Dryer
Lower level.**

The Project

The Project's scope was to replace the City's existing solids handling system (incineration) with a new gasification system, upgrade ancillary components such as pumps and motors, and install odor control equipment.

We are pleased to report that all equipment is now installed and is being tested and checked for proper functioning by Ecoremedy, the designer and manufacturer of much of the equipment. They are testing all pumps, conveyors, sensors, alarms, computer connections, emergency stop devices, and all other parts and pieces needed for complete operation of the entire system. This process will take a few weeks. After all equipment is performing as intended, Ecoremedy will begin to test disposal of sewage sludge utilizing their commissioned equipment.

The disposal process will begin in early April and continue for approximately ten to twelve weeks. During this commissioning phase one of the many parameters that will be analyzed is the metal content of the incoming sludge and the metal content of the outgoing exhaust emissions. This analysis will be performed to determine what adjustments need to be made to the disposal process, and to ensure that the exhaust and the biosolids have been properly treated and that they meet all regulatory requirements.

During these commissioning phases staff will be trained to operate the new system. A final walk through of the entire process and work area will be performed by the City and the Contractor. Any issues will be noted and corrected prior to the City accepting the system. After these steps have been completed, the system will be turned over to the City for operation. Acceptance of the system by the City is anticipated to occur during the summer of 2023.

Odor & Hauling

As the plant transitions to the new gasification system to dispose of solid waste, we expect odor issues to steadily decline as sludge is disposed of by the new equipment rather than being hauled away. Nonetheless, the truck traffic to and from the treatment plant (solids hauling) will be ongoing through the commissioning process however the number of trucks in and out of the treatment plant should be reduced.

Schedule

2022				2023				2024	
Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
Construction									
				Commissioning					
						Measure & Verification			

Please feel free to contact me or Michael Derrick here at the treatment plant if you have other questions. We will be happy to discuss the project with you.

Ross.hahn@edmondswa.gov

Michael.derrick@edmondswa.gov



Yours truly,
 Ross Hahn
 Acting Plant Manager,
 City of Edmonds Wastewater Treatment Plant