



CITY OF EDMONDS

www.edmondswa.gov

WASTEWATER TREATMENT PLANT

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MIKE NELSON
MAYOR

September 2023

Subject: Carbon Recovery Project; Update #12

The Project

The Project’s scope is 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. This phase of the project is complete. Previously, the Design-Builder was developing a new method of conveying the end product (Flexchar/Biochar) to a disposal container. We are happy to report that the method selected, blowing the dry end product through a pipe to the disposal container, is working.

The Design-Builder continues to commission the equipment and to make the needed process adjustments to deliver a fully functional solids disposal system. Currently, 70% dried sludge from another wastewater treatment plant (used as “seed” material) is mixed with 30% Edmonds sludge which is then sent to the gasifier. This has made possible the successful start-up and shutdown of the system several times and successful gasification and production of Flexchar. Ultimately, more and more Edmonds sludge will be sent to the gasifier so that no “seed” material will be needed. Sludge hauling must continue until the plant is fully commissioned and ready to gasify all of its sludge.

Odor & Hauling

As winter approaches, odors will tend to subside. The containers are covered when not being filled, we continue to add an odor-eliminator product to the sludge, and to vent the containers at night. As mentioned above, hauling will need to continue until we achieve a successful commissioning of the new gasification system.

Anticipated Schedule

2022				2023				2024			
Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
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.

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