



# CITY OF EDMONDS

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## WASTEWATER TREATMENT PLANT

200 2ND AVENUE SO. • EDMONDS, WA 98020  
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MIKE NELSON  
MAYOR

December 13, 2021

### **Subject: Carbon Recovery Project; Update #3**

Dear Neighbor:

The City of Edmonds Wastewater Treatment Plant has started construction of the project to replace the old sanitary sewage sludge incinerator with a new gasification process. We would like to provide you with this brief update #3.

#### **Current Project Status:**

Demolition work in the solids handling building will soon be completed. A large door way has been cut into the west side of the plant so that the large pieces of old equipment can be removed and new equipment can be installed. The right-hand (east) lane of the ferry traffic holding lane is closed Mondays through Thursdays to accommodate the construction.

The large odor scrubber that has been stored in the parking lot has been installed on west side of the headwork's building. We anticipate the odor scrubber being fully operational by late December 2021. A new carbon filter has been installed on the west side of the treatment plant.

The interior of the solids handling building is being demolished to make way for the new gasification equipment. A new cement floor will be poured to create a second level. There will be equipment on both levels.



#### Points of interest:

The construction doorway in the west side of the building allows access for removal of old equipment and installation of new equipment.

The incinerator is fully demolished and preparations for new equipment footings are being completed.

The mezzanine level walkway is being demolished and scaffolding is being placed for continued access.

### **Odor Concerns/solids hauling**

We have purchased a large carport type structure to cover the sludge hauling containers. This will keep the containers and sludge dry which lowers the cost of disposal while protecting our workers from the weather in order to help keep them safe.

At present there are three processes being used to control the biosolid odors.

1. Covering the biosolids as they are pumped into the container and securely tarping the container as soon as possible.
2. Adding a biodegradable liquid to the sludge to neutralize and reduce unpleasant odors.
3. Using an air odorant to mitigate odors from any exposed biosolids. A 55-gallon barrel of cherry scented liquid has been installed on the roof of the plant's building closest to 2<sup>nd</sup> Ave S. Once every fifteen minutes a 3 second burst of odorant will be ejected from this barrel.

In early January our mode of disposal of biosolids will need to be modified for up to one week. The final plan is still being developed but may require some additional truck traffic. We are doing everything in our ability to minimize this impact on our neighbors.

As soon as the new gasification/pyrolysis equipment is installed and ready for operation the wastewater solids hauling effort will end. Although the exact date is not certain, it is expected the hauling will end sometime in late February of 2022.

We hope this information is useful to you. Please feel free to contact me or Michael Derrick here at the treatment plant if you have other questions or you would like a copy of a previous update. We will be happy to discuss the project and/or hear your suggestions. Sometime next year we would like to invite you over to celebrate the end of the project, celebrate the big step forward this represents environmentally, and give you a guided tour of our award-winning treatment plant!

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Yours truly,

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