

List of Additional Information and Comments

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GFL Kenaston Alteration Request
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September 18, 2023

Request for Additional Information:

1. Provide an updated site plan to show the final placement of aeration box, shredder, and 50000-litre aboveground used oil tank. Provide also a one-page facility layout.

Aeration Box

2. Clarify/describe how the treatment process in the aeration box eliminates the hazardous waste characteristics of materials.
3. Relating to aeration box, provide a detailed description of the aeration process including the following:
 - volume of waste
 - type of waste
 - location
 - loading process
 - unloading process
 - testing protocol of VOC (before and after treatment)
 - volume or rate of treatment
 - details about receiving of materials before treatment
 - details about storing of materials before treatment
 - post treatment procedure including storage before offsite treatment

Air Emission

4. Relating to air emission, provide a detailed description of the aeration process that includes the following:
 - exhaust gas ventilation system including design and specification
 - emission control measures
 - targeted emission standards
 - discharge rate
 - air pollution control system
5. Describe the sampling and analysis of potential air pollutants released as stationary point. The description should include the following:
 - list of compounds for analysis
 - rationale for sampling
 - methods used for sampling
 - analysis for each method
 - an explanation note to describe the state and types of samples for analysis
 - results of lab analysis
 - standards to compare analysis

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6. Describe how odour from the aeration process is mitigated to ensure an odour problem is not created from the process.
7. Describe the measures if/when the air pollution control system fails or malfunctions.

Shredder

8. Please include the following in the shredding operation description:
 - volume capacity
 - shredding rate
9. The proposal indicates shredding of mix of solids. The process will drain excess liquids. What are the liquids? Is there any hazardous component in the liquid?
10. What stage of the process is the liquid drained from materials?
11. Submit a design or specification of the floor sump and holding tank for containing the drained liquid.
12. What are bulky industrial waste? Provide examples.
13. Describe how noise and dust from the shredding process will be mitigated to ensure noise or dust problem is not created from the process.
14. Describe the potential explosion from shredding containers of incompatible products, and the mitigation measures to prevent explosion.

50,000-litre used oil storage tank

15. The addition of a 50,000-litre storage tank will increase GFL's current operation. This will also increase the vehicular traffic within the facility and nearby intersections. Please clarify how this addition will not change the environmental effects to the current operation.
16. Describe the following:
 - loading procedures
 - unloading procedures
 - spill containment measures
 - emergency response plan that includes the following hazards:
 - accidental spill
 - fire