

ATTACHMENT B

FACILITY DESIGN PLAN

GSS Transfer, LLC.

A division of Gresham Sanitary Service, Inc.



**2131 NW Birdsdale Ave.
Gresham OR. 97030**

- f) Residuals management
N/A. No processing or recovery occurs on site.

(2) A Compost/Anaerobic Digestion/Fermentation facility must submit a written description of the following: (in addition to the items listed above in Subsection 1)

N/A. This is not a compost facility.

- a) Feedstock receiving procedures.
- b) Feedstock pretreatment and contaminant removal procedures and equipment.
- c) Processing: digestion process and methane recovery, fermentation or composting process.
- d) Dewatering and liquids management (as applicable).
- e) Digestate fiber management (as applicable).
- f) Pathogen reduction / control procedures (as applicable).
- g) Biogas storage, conditioning and power and/or fuel generation (as applicable).
- h) Monitoring, quality control and testing procedures.

(3) Dust, airborne debris and litter.

- a) Submit a proposed design or existing design plan providing a roofed structure enclosed on at least three sides and an impervious surface (e.g. asphalt, concrete) for the tipping floor, processing (sorting) areas, storage areas and reloading areas.

As detailed in section 1. (b), the Transfer Building is 48' by 70' and is enclosed on three sides with a roof covering the tipping floor and trailer loading pits. The Transfer Station design uses an elevated tipping floor and trailer loading pits for top loading transfer trailers. The tipping floor, loading pits and approach ramp are constructed of impervious concrete. All approach and exit roads are paved. The facility will only be transferring solid waste. Since no material will be processed, storage for recovered materials and residual is not required.

- o **Compost facility only:** Also, provide locations for compost/curing piles/windrows, digestion, fermentation, aeration systems including bio-filters or enclosed structures to prevent odors from being detected offsite.

N/A. This is not a compost facility.

- b) Describe control measures to prevent fugitive dust, airborne debris and litter. Describe how the facility design will provide for shrouding and dust prevention for the receiving area, processing area, storage area, reload area, and all waste processing equipment and all conveyor transfer points where dust is generated.

The Transfer Building is enclosed on three sides and is oriented with the open access side facing away the prevailing wind direction. The facility is designed and operated to minimize dust and litter. The facility design minimizes dust generation by using a tipping floor rather than trucks dumping directly into a pit. Because materials fall only a short distance to the transfer floor, dust generation is significantly reduced. The recessed loading pits fully contain any dust or litter that may occur during the loading process. All access roads and scale areas are paved to reduce dust.

These large queuing and truck parking areas provide significantly more capacity than is required to accommodate the volume of trucks during peak usage times.

(6) *Water contaminated by solid waste and solid waste leachate.*

Submit a DEQ (or equivalent) approved plan with pollution control measures to protect surface and ground waters, including runoff collection and discharge and equipment cleaning and washdown water.

Surface water and ground water is protected by the use of separate drainage systems and the use of oil water separators.

The wastewater or solid waste leachate from the tipping floor and load out pit is first directed through an oil/water separator. It then flows to a weir system to remove any solids and sediment. The remaining liquid is collected and pumped into a holding tank. The contents of the wastewater holding tank are either collected by a licensed liquid waste processing company or sprayed on the solid waste hauled to landfill. The dry portions of the solid waste absorb the liquid. The tipping floor and load out pit wastewater system is fully separated from stormwater. This wastewater system has been approved by DEQ under our Solid Waste Disposal Site Transfer Station permit # 1392. Please refer to Attachment G for a copy of the permit.

Surface water and ground water is protected by the use of separate drainage systems and the use of oil water separators. Stormwater runoff is controlled through a series of catch basins with filter liners and oil/water separators before it discharges into the DEQ approved Underground Injection System (UIC). After passing through the UIC system the stormwater flows into the natural on-site drainage way. Facility grading prevents any surface stormwater from flowing off-site. This system has been approved by DEQ under Permit #13410 and all annual testing requirements have been met. The catch basins and oil/water separator are inspected and maintained on a routine basis. Please refer to Attachment G for a copy of the permit and current DEQ annual testing verification.

All equipment cleaning and washdown is performed in our covered truck wash building. Wastewater from the truck wash building is directed through a weir system to remove solids and then into a coalescent vault that utilizes corrugated polypropylene plates and specific gravity by-pass chambers to separate any oil or grease. The output is directed into the sanitary sewer. The contents of the oil separation chamber are collected by a licensed liquid waste processing company. The truck wash is covered and the wastewater system is fully separated from stormwater.

All Solid Waste is managed in the Transfer Building or stored in containers to prevent solid waste from coming in contact with stormwater.

Best Management Practices (BMPs) are in place to reduce pollutants. Our BMPs include frequent sweeping of impervious surfaces with our sweeper truck, spill prevention and cleanup training, frequent storm drain monitoring to determine cleaning requirements and frequent pickup of litter or trash.