

Rule 1133.3

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Rule 1133.3- Emission Reductions from Greenwaste Composting

Adopted July 8, 2011

- Purpose
 - To reduce fugitive emissions of VOCs and ammonia occurring during greenwaste composting operations
- Applicability
 - Operators of all new and existing greenwaste composting operations that produce active or finished compost from greenwaste by itself or greenwaste in combination with manure or foodwaste, unless exempted



Exemptions

The following activities are exempt from the requirements of Rule 1133.3:

- Co-composting operations
- Community composting
- Nursery composting
- Backyard composting
- Recreational facility composting
- Greenwaste composting operations with an installed emission control device are exempt from a portion of Rule 1133.3

Requirements

- Chip or grind and use greenwaste for on-site composting
- Use foodwaste for on-site composting within 48 hours of receipt or cover foodwaste with screened or unscreened finished compost until used



Requirements (continued)

Facilities composting greenwaste only, up to 20 percent manure, by volume, or up to 5,000 tons per year of foodwaste throughput:

- Cover each active phase pile with screened or unscreened finished compost within twenty-four hours of initial pile formation
- New piles shall not be turned for the first seven days of the active phase of composting

Requirements (continued)

- For the active phase, turn only wet piles
- If the pile needs to be turned within the first seven days for managing temperature or pathogen reduction, the operator does not need to re-apply the screened or unscreened finished compost cover and shall apply water for the first fifteen days of the active phase
- Conduct squeeze ball test before turning



Dry Material



Squeeze – Hand Pressure Grip



Fail – Not Wet Enough



Pass



Requirements (continued)

- Existing facilities composting greater than 5,000 tons per year of foodwaste
 - Active phase composting with >10% foodwaste shall be conducted using an emission control device
- New greenwaste composting operations that intend to compost greater than 5,000 tons per year of foodwaste throughput
 - Obtain a permit for an emission control device prior to construction

Requirements (continued)

Existing greenwaste composting operations > 5,000 tons per year of foodwaste:

- Emission control device
- Source test after implementation and every three years thereafter

Recordkeeping

- Records shall be kept in a format approved by the Executive Officer
- Records shall be maintained for the prior five years, with the most recent two years retained at the facility



Suggested Record Keeping Form

Date	Activity	Initials
9/1/2011	Received greenwaste: 2t (8cy), 3t (12cy), 4t (16cy)	
9/1/2011	Received foodwaste: 4t	
9/1/2011	Rcvd manure: 5cy	
9/1/2011	Created new pile (#11-18), covered with unscreened finished	
9/1/2011	Watered pile #11-18	
9/2/2011	Rained hard 3 hours, all piles passed squeeze test, no watering	
9/2/2011	Turned active piles: 11-14, 11-15, 11-16, 11-17	
9/2/2011	Removed from feedstock: 1.5t wood, 0.75t trash	
9/30/2011	Total Greenwaste Rcvd: 120t (480cy)	
9/30/2011	Foodwaste Tonnage (non-foodwaste material/tons)	
9/30/2011	Total Foodwaste Rcvd: 43t	
9/30/2011	Total Manure Rcvd: 88cy	
9/30/2011	Total material shipped offsite for disposal: 2.5t	