



SOLID WASTE MANAGEMENT FACILITY VARIANCE FACT SHEET

Section A: Facility name

Terra Firma Organics, Inc., 5355 Beesley Dr, Las Vegas, NV 89115

Section B: Regulation reference(s)

Solid Waste Management Authority Regulations Governing the Management of Solid Waste Chapter 3-4
Nevada Administrative Code 444.670.2(a)

Section C: Standard specified in the regulations

Chapter 3-4.01(C)(1), which states "If the Compost Plant accepts putrescible solid waste and if not fully contained within a building, a buffer zone must be maintained at least five hundred (500) feet from the adjoining property and one thousand (1,000) feet from any public roads."

Section D: Proposed alternative to standard specified in the regulations

There is currently an existing variance order (Inst #20101124:0000555, recorded by Clark County Recorder) in place for a 165-foot buffer zone from solid waste and the adjoining west property and 20-feet between solid waste and the public roads that bound the north, east and south boundaries of the facility. This variance request is to reduce the buffer zone from 165-feet to 24-feet.

Additionally, the condition that *putrescible waste will be mixed with non-putrescible waste within two hours after receipt of the putrescible waste by the facility so as to create a carbon nitrogen (C:N) ratio of at least 30:1 and a moisture content of no more than 55% by weight* will be maintained. However, this mixture will not be removed from the facility within 48 hours after receipt of the putrescible waste by the facility, as required by Condition 1 of the existing variance order. Instead the mixture will be incorporated into the onsite composting process.

Section E: How the proposed alternative will comply with the intent of the specified standard and will protect public health and the environment

Other than the north property, the adjoining properties are currently undeveloped. The facility is separated from the adjoining north, east and south properties by paved roads.

The intent of the buffer zone specified in the regulations is to provide reasonable protection to adjoining neighbors and the public utilizing public roads from exposure to nuisance conditions such as unpleasant odors and flies that may potentially exist in the operation of a compost plant that is not properly designed or operated. The proposed alternative will comply with this intent by including conditions that will prevent the creation of nuisance conditions for the adjoining property and the public utilizing nearby public roads.