

SOLID WASTE CONTROL PLAN

Ocean Spray Cranberries, Inc.

Aberdeen, WA

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1.0 Description

This solid waste control plan is designed to identify the solid waste streams from the Ocean Spray Cranberries, Inc. (OSC) facility in Markham, Washington and to describe the source, generation rate and final disposition of those wastes. A site map is enclosed to help identify the locations of the areas referenced.

2.0 Source/Content

Solid wastes are produced from OSC's facility in several forms: Wastewater Treatment biosolids (sludge) and screenings, fruit wastes, recycled materials and general rubbish.

2.1 *Wastewater Treatment Wastes*

Solid wastes are produced from OSC's wastewater treatment plant (WWTP) in three locations: pre-screening, solids/sludge dewatering, and the sanitary waste septic tank.

Raw process wastewaters flow by gravity to a grit removal system, then to a horizontal rotary screen for coarse solids removal for pre-screening prior to treatment in the primary lagoon. This pre-screened plant waste is primarily composed of cranberries, cranberry skins, leaves and stems. Collected solids are deposited into a waste bin. The bin which collects the screenings is checked frequently, and emptied at least once per week as described in Section 4.1. The bin is rinsed and cleaned as necessary, to prevent the occurrence of nuisance odors.

Following waste treatment by aerobic digestion in the primary lagoon and settlement within the clarifier, dewatered biosolids are produced by pumping the solids (sludge) that settle in the clarifier to a holding tank, and then to a dewatering belt press. This system uses a polymer to condition the sludge prior to feeding the belt press. The dewatered sludge is then conveyed via a screw conveyor into a storage/transfer trailer. The trailer is removed from the loading dock by a contracted disposal driver as described in Section 4.1.

A sanitary waste septic tank is located behind the clarifier and receives sanitary waste from the facility restrooms, as well as gray water from sinks within the plant. The tank has a capacity of 8,070 gallons. Solids are captured in the tank, while the clarified water is chlorinated prior to discharge to the aerated lagoon. Solids are pumped out of the septic tank and disposed at a licensed receiving facility by a licensed septic hauler every 6 months.

2.2 *Fruit Wastes*

Sweetened and dried cranberries (SDC) production yields a waste stream of raw whole cranberries and processed SDC's, which do not meet quality criteria.

2.3 *Recycled Materials*

Recycle material includes cardboard, paper, metal and general mixed recyclables. The materials are baled or stored in 20 yard roll-offs and sent to off-site recycling collection centers by a licensed contractor monthly.

2.4 *General Rubbish*

The general rubbish produced at OSC's facility contains non-recyclable items such as kitchen wastes and various packaging materials.

3.0 **Generation Rate**

- Wastewater Treatment Waste is generated at a rate of approximately 1,500 tons per year.
- Fruit Waste sent for land application is generated at a rate of approximately 2,500 tons per year.
- Recycled Materials is generated at a rate of approximately 200,000 tons per year.

4.0 **Disposal Method**

4.1 *Wastewater Treatment Wastes*

The solids that are separated in the pre-screening operation are put into a trash dumpster that is hauled by a permitted company, Brehmeyer Farms (formerly Skookum Farms), and is land applied as soil augmentation. Brehmeyer Farms is a county-permitted land application and composting company.

The dewatered biosolids/sludge are conveyed from the belt press to an open topped trailer located, under cover, on the east side of the primary lagoon. This trailer can hold approximately 14,000 pounds of sludge. When the trailer is full, it is hauled off-site and utilized by Brehmeyer Farms.

Stangland's Septic Service hauls the septic tank's sanitary waste solids to disposal at a municipal treatment center.

4.2 Fruit Wastes

The SDC waste is placed in a compost container and removed by Brehmeyer Farms.

4.3 Recycled Materials and General Rubbish

Cardboard is collected and baled at OSC's facility. Metal is collected in a 20 yard roll-off. All recyclables are transported off the property by LeMay, Inc., a licensed solid waste and recyclable material hauler.

Wood pallets are reused and are taken off the property by local shipping companies. Broken pallets are placed in a wood-only bin and removed with the general rubbish by Lemay, Inc.

General rubbish is also removed by LeMay, Inc.

5.0 Leachate Control

Stormwater catch basins surrounding all exterior solid waste storage containers drain to the on-site wastewater treatment system to protect from environmental discharge.

