



Report Date: July 16, 2020

File: 104962

Report Number: 145833

Spa Hills Farm Inc.

2223 Yankee Flats Road, Salmon Arm BC V1E 3J2

Dear Spa Hills Farm Inc.

**Re: Notice Letter, Organic Matter Recycling Regulation 104962, 2223 Yankee Flats Road SW Salmon Arm BC V1E 3J2, Effluent**

On July 16, 2020, Ministry of Environment and Climate Change Strategy, Environmental Protection Division staff conducted an inspection of your facility, Spa Hills Farm Inc. located at 2223 Yankee Flats Road SW Salmon Arm BC V1E 3J2 with authorization number 104962 under the *Environmental Management Act*.

**Inspection Details:**

Spa Hills Compost is a Class A compost facility authorised to produce 4000 dry tonnes of compost (from 12000 wet tonnes of feedstock).

The incoming organic waste is received on an impervious surface, inspected for non-permitted material, blended, and composted for a minimum of 10 days in one of six aerated bunkers. The material is removed from the aerated bunker after a minimum of 10 days, then further composted for 25 days on an aerated windrow.

The Phase I aerated composting bins consist of six aerated concrete bins that are 4.8 m (15' 9") wide, 12.2 m (40 ft) long and 2.4 m (8 ft), fillable up to 2.4 m (8 ft) for the composting process. This corresponds to a fillable capacity of 120 cubic meters (160 yd<sup>3</sup>) per bin. Three bins are filled weekly when the facility is operating at capacity (12,000 tonnes or 18,500 m<sup>3</sup> of material per year). The aeration system is embedded in the concrete floor.

The Phase II aerated composting windrows are housed inside a building that measures 15.2 m (50 ft) by 36.5 m (120 ft), and is located close to the Phase I composting building. There are four aerated windrows that are 4 m (12 ft) high, 7 m (24 ft) wide and 18 m (60 ft) long. Each of the aerated windrows has one removable aeration pipe underneath the center of the windrow.

Requirement Description:	<b>Environmental Management Act, Organic Matter Recycling Regulation (18/2002) (EMA)</b> 12 (2)(a): Compost that is produced solely from yard waste or untreated and unprocessed wood residuals, or from both, and that meets the requirements of all of the following, is Class A compost: (a) Schedule 1, Pathogen Reduction Processes;
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Details/Findings:	<p>Schedule 1</p> <p>Pathogen Reduction Processes</p> <p>4 One of the following pathogen reduction processes specified in paragraphs (a) to (c) is required to produce Class A compost: (c)the enclosed vessel method consisting of a confined compost process involving mechanical aeration of compost under controlled environmental conditions, with a temperature of not less than 55° Celsius maintained for at least 3 days during the composting process.</p> <p>As part of Phase I, the incoming organic waste is composted for a minimum of 10 days in one of six aerated bunkers.</p> <p>Temperature data for the following batches was assessed:</p> <p>286, 295, 303, 320, 328, 331</p> <p>All batches of data maintained temperature above 55° Celsius for more than 3 days.</p>
Compliance:	In
Actions to be taken:	N/A
Requirement Description:	<p><b>Environmental Management Act, Organic Matter Recycling Regulation (18/2002) (EMA)</b></p> <p>12 (2)(b): Compost that is produced solely from yard waste or untreated and unprocessed wood residuals, or from both, and that meets the requirements of all of the following, is Class A compost: (b) Schedule 2, Vector Attraction Reduction;</p>

Details/Findings:	<p>2 One of the following vector attraction reduction processes are required for Class A compost:</p> <p>(a) Class A compost must be treated in an aerobic process for 14 days or longer. During that time, the temperature of the compost must be higher than 40° Celsius and the average temperature of the compost must be higher than 45° Celsius. After the vector attraction reduction process is completed the carbon to nitrogen ratio of the compost must be greater than or equal to 15:1 and less than or equal to 35:1;</p> <p>As part of Phase II, the material is removed from the aerated bunker then further composted for 25 days on an aerated windrow.</p> <p>Temperature data for the following batches was assessed:</p> <p>293, 294, 295, 296, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 324, 325, 326, 327, 328, 329, 330, 331, 332</p> <p>All batches of data maintained temperature above 45° Celsius for the data provided.</p>
Compliance:	In
Actions to be taken:	N/A

Please be advised that this inspection report may be published on the provincial government website within 7 days.

If you have any questions about this letter, please contact the undersigned.

Yours truly,

Ross Blake  
Environmental Protection Officer

cc:

**Attachments:**

**Deliver via:**

Email: ☒      Fax: ☐      Mail: ☐  
 Registered Mail: ☐      Hand Delivery: ☐

**Ministry of Environment  
and Climate Change  
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**DISCLAIMER:**

Please note that sections of the permit, regulation or code of practice referenced in this inspection record are for guidance and are not the official version. Please refer to the original permit, regulation or code of practice.

To see the most up to date version of the regulations and codes of practices please visit  
<http://www.bclaws.ca>

If you require a copy of the original permit, please contact the inspector noted on this inspection record.

It is also important to note that this inspection record does not necessarily reflect each requirement or condition of the authorization therefore compliance is noted only for the requirements or conditions listed in the inspection record.