



Ministry of Environment  
Inspection Record

Environmental  
 Protection  
 Division

<b>Inspection Number:</b> 28107		<b>Inspection Status:</b> FINAL	
EP System: <u>Other - Not applicable</u>		Inspection Date: 2016-04-20	
EP System Number: UA28107		EP System Status: <u>Unauthorized</u>	
<b>Region:</b> <u>Okanagan</u>		Office: <u>Penticton</u>	
Trigger: <u>Planned</u>		<b>Incidents of Non-Compliance Observed: <u>No</u></b>	
Non-Compliance Decision Matrix Level: <u>Level 0</u>		Non-Compliance Decision Matrix Category: <u>Category 0</u>	
Inspector Name(s): Stephanie Little Devan Oldfield		CPIX: <u>0 to 1 = Low</u>	
Audit: <input type="text"/>		Total Non-Compliance(s): 0	
<b>Regulated Party:</b> H.S. Jansen and Sons Farm Ltd.			
Regulated Party Contact(s): Dale Jansen			
<b>Legal Address:</b> 5063 Knob Hill Road Armstrong, BC V0E 1B4			
Phone No: (250)397-3701		Fax No: <input type="text"/>	
Contact Email: jsfl@telus.net			
<b>Location Description or Site Address:</b> 5063 Knob Hill Road Armstrong, BC V0E 1B4			
Latitude: 50.509 N		Longitude: 119.229 W	
Receiving Environment(s): <u>Groundwater &amp; Land</u>			

## Summary

<b>MONITORING AND REPORTING REQUIREMENTS</b>	
Inspection Period: <b>From:</b> 2016-04-20 <b>To:</b> 2016-04-20	
<b>Requirement Source:</b> <u>Agricultural Waste Control Regulation</u>	
Activity: <u>On Site</u>	Waste Type: <u>Effluent</u>
<p><b>Inspection Summary:</b></p> <p>On April 20, 2016 at approximately 11:00 a.m., EPO Officers S. Little and D. Oldfield conducted an On Site inspection of H.S. Jansen and Sons dairy farm operation (the farm) regulated under the Environmental Management Act, Agricultural Waste Control Regulation, Code of Agricultural Practice for Waste Management. We were accompanied on site by Mr. Dale Jansen, co-owner and operator.</p> <p>There were no Non-Compliances determined from this inspection. The appropriate response is assessed as a Notice of Compliance.</p> <p>This farm operates a flush style barn that uses recycled water to flush the parlour area four times a day. The wash water drains to a central piping system and then proceeds to three lanes of a six bay settling bunker. After settling in the first three lanes, which are bedded with sand, it is pumped up to a mechanical separating system. The top four feet of water from the separator holding area is then used again for additional flushes. Sludge and solids from the lower level are pumped underground via a 15" line to the last three settling bays. The effluent is then pumped over to the first of two lined storage lagoons. Lagoon one allows for additional settling and storage. Effluent is manually pumped to Lagoon two as needed. Lagoons one and two are connected to the distribution system on site that allows the spreading of this effluent for fertilizer on several of the fields adjacent to the home property.</p> <p>Effluent is applied during the growing season at the Jansen owned properties, as well as supplied to neighbouring farms that choose to use this material as fertilizer. All manure effluent produced beyond the growing season (overwinter) is stored in the two lined lagoons.</p> <p>Manure effluent was being sprayed on the corn field to the north east of the barns at the time of inspection. There was no visible pooling or effluent leaving the property boundary (Photo 1, 12 and 13).</p> <p>Solid wastes are hauled to and used at the Lavington farm operation (approximately 300 acres).</p> <p>Mortalities are composted on an impermeable surface and inside a lock block area (see photo 9, compound area by loader). Mr. Jansen estimates it takes approximately 2 weeks for decomposition to be complete. Material is turned approximately three or four times during that period to promote composting.</p> <p>Wood waste is stored on site for animal bedding. It is stored under cover and on</p>	<p><b>Response:</b>  <u>Notice</u></p>

an impermeable surface (see photo 14). Should any water contact occur the runoff would be directed to the effluent management system.

**ACTIONS REQUIRED BY REGULATED PARTY:**

Ensure best management practises and legislative compliance are maintained to best ensure protection of the local aquifer impacted by agricultural operations in the area.

**ADDITIONAL COMMENTS:**

Compliance History

2014-03-06 - Section 112 Compliance Order

Compliance Summary	In	Out	N/A	N/D
Operations	8	0	1	1

## Inspection Details

**Requirement Type: Operations**

**Requirement Description:**

Sec. 4 Allowable storage

Agricultural waste may be stored on a farm only if the waste is produced or used on that farm.

**Details/Findings:**

This operation only stores waste produced on it's farm.

**Compliance:** In

**Requirement Type: Operations**

**Requirement Description:**

Sec. 5 Storage methods

When agricultural waste is stored, it must be stored

(a) in a storage facility (structure, reservoir, lagoon, cistern, gutter, tank or bermed area for containing agricultural waste prior to its use or disposal, but does not include a vehicle or any mobile equipment used for transportation or disposal of agricultural waste; ) ,

(b) as field storage (temporary stock of agricultural waste ready to be drawn upon for use as a crop fertilizer or soil conditioner), or

(c) in the case of waste from fur bearing animals, under their outdoor pens.

**Details/Findings:**

This operation stores waste in a storage facility comprised of an impermeable surface that is sloped to settling bays and then pumped to two lined lagoons.

**Compliance:** In

**Requirement Type: Operations**

**Requirement Description:**

Sec. 7 Location of storage facility

(1) A storage facility must be located at least 15 m from any watercourse (a place that perennially or intermittently contains surface water, including a lake, river, creek, canal, spring, ravine, swamp, salt water marsh or bog, and including a drainage ditch leading into any of the foregoing) and 30 m from any source of water for domestic purposes.

**Details/Findings:**

There are no watercourses within 15m nor drinking water wells within 30m. There is no discharge from the storage facility itself as all waste is either in lined lagoons or on an impermeable surface.

**Compliance:** In

**Requirement Type: Operations**

**Requirement Description:**

Sec. 8 Field storage

- (2) Solid agricultural waste may be stored on a field for more than 2 weeks if the agricultural waste is
  - (a) stored for no longer than 9 months,
  - (b) located at least 30 m from any watercourse or any source of water used for domestic purposes, and
  - (c) stored in a manner that prevents the escape of agricultural waste that causes pollution.

**Details/Findings:**

No field storage noted at time of inspection.

**Compliance:** Not Applicable

**Requirement Type: Operations**

**Requirement Description:**

Sec. 11 Discharge to water

Agricultural waste must not be directly discharged into a watercourse or groundwater.

**Details/Findings:**

There was no direct discharge to a watercourse or groundwater visible at the time of inspection.

**Compliance:** In

**Requirement Type: Operations**

**Requirement Description:**

Sec. 12 Allowable application

Agricultural waste must be applied to land only as a fertilizer or a soil conditioner.

**Details/Findings:**

This operation carries out detailed soil and manure analysis to support application rates.

**Compliance:** In

**Requirement Type: Operations**

**Requirement Description:**

Sec. 13 Prohibited application

Agricultural waste must not be applied to the land if, due to meteorological, topographical or soil conditions or the rate of application, runoff or the escape of agricultural waste causes pollution of a watercourse or groundwater.

**Details/Findings:**

At the time of inspection weather was dry and hot. Agricultural waste was being applied on some corn fields. There was no visible pooling of effluent runoff occurring. Not able to visually determine if pollution to groundwater is occurring.

**Compliance:** Not Determined

**Requirement Type:** Operations

**Requirement Description:**

Sec. 14 Conditions unfavourable to application

Agricultural wastes must not be applied

- (a) on frozen land,
- (b) in diverting winds,
- (c) on areas having standing water,
- (d) on saturated soils, or
- (e) at rates of application that exceed the amount required for crop growth, if runoff or escape of agricultural waste causes pollution of a watercourse or groundwater, or goes beyond the farm boundary.

**Details/Findings:**

Conditions were favourable to application on the day of inspection.

**Compliance:** In

**Requirement Type:** Operations

**Requirement Description:**

Sec. 20 Allowable use

Wood waste may only be used for

- (a) plant mulch, soil conditioner, ground cover, on-farm access ways, livestock bedding and areas where livestock, poultry or farmed game are confined or exercised,
- (b) berms for cranberry production, or
- (c) fuel for wood fired boilers.

**Details/Findings:**

Wood waste is being used for livestock bedding.

**Compliance:** In

**Requirement Type:** Operations

**Requirement Description:**

Sec. 21 Storage

Wood waste stored and used on a farm must be handled so as to prevent any escape of

- (a) particulate or solid matter from the wood waste into the air, or
- (b) particulate or solid matter or leachate from the wood waste into any watercourse or groundwater that causes pollution.

**Details/Findings:**

Wood waste is stored under cover and on an impermeable surface. If there was any water contact or run off it would be directed through the effluent collection system and ultimately end up in the lined lagoon.

Compliance: In

**Were the following collected during inspection:**

Samples?  Photos?  EMS Number

Other (please specify)

Is the Inspection related to an EA Project?  EA Project Certificate Number:

**INSPECTION CONDUCTED BY:**

Signature	Date Signed
Stephanie Little	2016-06-10

**ENCLOSURE(S) TO REGULATED PARTY & DESCRIPTION:**

[CVIS Archives](#)

**REGULATORY CONSIDERATIONS:**

**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 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 or visit: <http://www2.gov.bc.ca/gov/topic.page?id=DF89089126D042FD96DF5D8C1D8B1E41&title=Publicly%20Viewable%20Authorizations>

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.

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		Penticton, BC V2A 7C8	<b>Website:</b> <a href="http://www.gov.bc.ca/env">http://www.gov.bc.ca/env</a>