



File: 76600-20 Armstrong

June 12, 2015

VIA EMAIL

H.S. Jansen and Sons Farm Ltd.
5063 Knob Hill Road
Armstrong, BC V0E 1B4

jsfl@telus.net

Dear Mr. Jansen, Director:

Re: Request to apply manure on the field under Compliance Order dated March 6, 2014

This letter is to respond to the request made to apply manure to the field owned and operated by H.S. Jansen and Sons described as the "field of concern" in the Compliance Order dated March 6, 2014. In the most recent version of the submitted nutrient management plan, and during the meeting held May 29, 2015 at the Ministry building in Penticton, BC, a request was made to allow the application 8,000 gallons per acre of manure effluent following first, second and third cuts of alfalfa.

A review of the most recent soil analysis from the field of concern was reviewed with the Ministry of Agriculture and the following interpretations were made;

- According to the data provided it is anticipated that the alfalfa crop would extract 64lb of Nitrogen per ton, therefore, anticipating a yield between 1.5 and 2 tons, the crop would need approximately 110 lbs of nitrogen.
- The most recent soil analysis indicates the field currently has approximately 70 lbs of available nitrogen in the 0-12" soil profile.
- The remaining 40 lbs of nitrogen can be generated from the nitrogen fertility factor and the plant available nitrogen from the 12-24" profile.
- The nutrient management plan requests an application rate of 8,000 gallons per acre which would add an additional 63 lbs of plant-available N per acre.

It is the position of the Ministry of Environment that protection of the aquifer from pollution is the priority for this decision. Based on the provided information there is no compelling reason to add Nitrogen to the field of concern at this time. Following the second cut of alfalfa, soil analysis will be required and a request to apply manure effluent at that time will again be considered.

It is acknowledged that soil data collected from April of 2014 to date has shown a stabilization of nitrate levels at the 6-12" and 12-24" profile depths.

A person who fails to comply with a provision of EMA may be found guilty of an offence and could be liable, on summary conviction, to a penalty, or to be assessed an Administrative Penalty as determined by the Director. For your reference, EMA and all related and pertinent British Columbia Laws can be found at <http://www.bclaws.ca/> .

If you have any questions regarding this advisory please contact the undersigned at Stephanie.Little@gov.bc.ca or at (250) 490-8258.

Yours truly,



Stephanie Little
Environmental Protection Officer
Compliance Section

cc: Jason Bourgeois, Section Head, Compliance Section Jason.Bourgeois@gov.bc.ca
Cassandra Caunce, Director, Compliance Section Cassandra.Caunce@gov.bc.ca
Greg Tegart, Regional Manager, Ministry of Agriculture Greg.Tegart@gov.bc.ca
Doug MacFarlane, Emerald Bay Ag Services dougmacf@shaw.ca