



July 15, 2015

File: 76600-20 Armstrong

VIA EMAIL

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

[jsfl@telus.net](mailto: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 in response to the email request made July 13, 2015 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. On June 12, 2015 a request to apply 8,000 gallons per acre was denied on the basis of aquifer protection and satisfactory levels of available nitrogen in the soil. It was also expressed that future applications would be considered based on the most recent analysis after each cut.

A request to apply 8,400 gallons was made via email on July 13, 2015. This amount was reduced to 6,000 gallons on July 15, 2015 to adjust for the most recent manure analysis completed on July 7, 2015.

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 64 lb of nitrogen per ton, therefore, anticipating a yield of approximately 1.6 ton per acre, the crop would need approximately 100 lbs of nitrogen.
- The most recent soil analysis indicates the field currently has approximately 40 lbs of available nitrogen in the 0-12” soil profile, almost half of what was available in June of 2015.
- The email dated July 15, 2015 requested 6,000 gallons per acre which would add an additional 67 lbs of plant-available N per acre (a small buffer).

Based on the provided information a one time application of 6,000 gallons per acre is approved with the following provisions;

- Ensure soil and manure analysis are completed (no more than five days prior to cut) and submitted as soon as possible after the next cut.
- Include protein and yield results based on second cut tissue analysis.
- Continue judicious use of watering pre and post application, retain a record of the dates, time and duration of watering and supply moisture monitoring results upon request.
- Provide a detailed description on how the application rate approved was achieved and not exceeded.
- Provide an up to date version of the nutrient management plan within 30 days that includes; adjustments for the most recent soil and manure analysis, a volume estimate of the current level of manure effluent remaining in lagoon storage and applications made to the whole farm to date.
- Provide soil analysis (historical to current) data separated by field (Hullcar and Dougs) and reported in available pounds per acre (as opposed to parts per million).

Based on the expertise of the qualified professional and assessment by Ministry staff we believe that this approved application rate will remain protective of the aquifer based on all analysis provided. Any further applications will require a separate and additional approval and will only be considered if all of the above requirements are met.

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 please contact the undersigned at [Stephanie.Little@gov.bc.ca](mailto:Stephanie.Little@gov.bc.ca) or at (250) 490-8258.

Yours truly,



Stephanie Little  
Environmental Protection Officer  
Compliance Section

cc:

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