



Report Date: November 08, 2017

File: 107156

Report Number: 071985

Douglas Regehr
5042 Schubert Road
Armstrong, BC V0E 1B4

Dear Douglas Regehr

Re: Notice Letter, Information Order 107156, 5042 Schubert Road, Armstrong BC V0E 1B4, Effluent

On November 08, 2017, Ministry of Environment and Climate Change Strategy, Environmental Protection Division staff conducted an office review inspection of your facility, Douglas Regehr located at 5042 Schubert Road, Armstrong BC V0E 1B4 with Information Order Number 107156 under the *Environmental Management Act*.

Inspection Details:

Requirement Description:	<p>2014-03-6 IO 1.0: Retain a Qualified Professional (QP) to compile and fully assess the farm's recent nutrient application rates for the field of concern and their potential linkages to nitrate levels in Steel Springs for the past three years using available data from previous soil sampling, groundwater sampling events, as well as current and previous manure analysis that the Farm may be able to provide. In addition, the QP should conduct further sampling as necessary to fully assess the situation. As a minimum, additional sampling should be conducted to assess the actual present nutrient levels in the soils nitrogen based on soil samples collected from 0-6, 6-12 and 12-24 inches soil horizons prior to March 15, 2014 and again in mid to late April. A report of the QP's findings, recommendations and conclusions relative to ensuring nutrients applied on the field (noted above) do not leach into the groundwater and impact nitrate levels in Steel Springs must also be submitted to the Director on or prior to July 15, 2014.</p>
Details/Findings:	<p>Douglas Regehr retained a QP (Ruth McDougall, MSc, PAg). The QP compiled and assessed the nutrient application rates utilizing available soil and groundwater sampling events and previous manure analysis for the years 2011 to 2017 and provided the results in a report with conclusions and recommendations (Douglas Regehr Assessment of Nutrient Applications and Potential Impact on Steele Springs 2011-2017, dated August 14, 2017).</p>
Compliance:	In
Actions to be taken:	
Requirement Description:	<p>2014-03-6 IO 2.0: Submit a comprehensive nutrient management plan, developed by a QP, for the approval of the director for the entire farm in keeping with the recommendations in the Environmental Farm Plan Reference Guide and specifically including: (a) A detailed contingency plan to deal with unforeseen incidents which result in the farm entering or finishing any given growing season with 20 Percent more nutrients than normally expected. This specific requirement is only required if livestock on the farm produce more than 50 Percent of nutrients required as fertilizer. (b) A monitoring plan for soils, surface waters and groundwater on and around the farm to confirm that only the necessary levels of nutrients and fertilizer are being applied and the timing of the applications aren't impacting Steele Springs. The submission of these plans is required on or before September 1, 2014 and they should consider the findings and recommendations from the assessment in requirement No. 1 above.</p>

Ministry of Environment

Compliance
Environmental
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Mailing Address:
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Kamloops BC V2C 5Z5

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Details/Findings:	A 2017 nutrient management plan (NMP) was submitted on August 16, 2017 (Douglas Regehr Nutrient Management Plan 2017-2018, dated August 14, 2017). The 2017 NMP was developed by a QP. The 2017 NMP was reviewed by Ministry of Agriculture (AGRI). The 2017 NMP was revised based on comments provided to the QP by AGRI and resubmitted on November 6, 2017 (Douglas Regehr Nutrient Management Plan 2017, dated October 2017). In addition, a 2018 NMP was also submitted at that time (Douglas Regehr Nutrient Management Plan 2018, dated November 3, 2017) . The NMPs followed the Environmental Farm Plan Reference Guide and contain a monitoring plan for soils and groundwater; no surface water source is located on the property. The NMPs also consider the findings and recommendations from the assessment required in Section 1.0. There is no need for a detailed contingency plan because there are no livestock on the farm.
Compliance:	In
Actions to be taken:	
Requirement Description:	2014-03-6 IO 3.0: Submit an annual summary on and before February 28, of 2015, 2016 and 2017 calendar years, fully documenting the nutrient content of the manure applied on the farm the previous year, the nutrients applied to each specific field and when, as well the soil, surface water and groundwater sampling results obtained under the monitoring plan.
Details/Findings:	Annual summaries were submitted on February 28, 2017 for the 2014, 2015 and 2016 cropping years (Douglas Regehr Annual Summary of Cropping and Nitrogen Management–2014, 2015 and 2016, dated February 27, 2017). The annual summaries document the nutrient content of the manure applied, the nutrients applied to each specific field, as well as the soil and groundwater sampling results. No surface water samples were collected because there is no surface water source on the property.
Compliance:	In
Actions to be taken:	

Compliance History:
2017-02-14 IR47700 - Investigation Referral

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

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

Yours truly,

Colin Meldrum

Environmental Protection Officer

cc:

Attachments:

Deliver via:
Email: **Fax:** **Mail:**
Registered Mail: **Hand Delivery:**

Ministry of EnvironmentCompliance
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Protection DivisionMailing Address:
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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 or visit:

[http://www2.gov.bc.ca/gov/topic.page?id=DF89089126D042FD96DF5D8C1D8B1E41&title=Publically%20Viewable%20A
uthorizations](http://www2.gov.bc.ca/gov/topic.page?id=DF89089126D042FD96DF5D8C1D8B1E41&title=Publically%20Viewable%20A%20uthorizations)

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.