
In consideration of Decision Summary RA20023, Authorization RA20023 is issued to:

Name: Adrianus and Antonia VandenBroek (the “permit co-holders”)
Address: RR1 Site 5 Box 30 Olds AB T4H 1P2
Contact person: Adrianus (Arie) VandenBroek

Permitted construction (based on the submitted site plan):

- Earthen liquid manure storage (EMS, radius of 52 m x 5.3 m deep)

The permit holder shall comply with the requirements of the *Agricultural Operation Practices Act* (AOPA) and the regulations passed pursuant to that act.

The permit holder shall adhere to the descriptions contained in the filed application RA20023 together with the site plan, building plans, operating plans, engineering reports and other attached documents, unless otherwise noted in the following conditions.

The permit holder shall contact the NRCB at least 10 working days in advance of the desired inspection date to schedule the inspection in condition #4.

The permit holder is responsible for all costs associated with monitoring, sampling, testing, recording, and reporting requirements.

Construction conditions

EMS

1. Construction above water table

The permit holder shall immediately cease construction of the EMS and contact the NRCB if the water table is observed to be 1 m or less from the bottom of it at the time of construction.

2. Liner requirement

The permit holder shall provide the NRCB with a written construction completion report for the EMS. The report must be stamped and signed by a “professional engineer,” as defined in the Standards and Administration Regulation, and must confirm that the EMS has been constructed in accordance with the propose design (prepared by Envirowest Engineering Inc. on May 5, 2020 including the amendment letter dated June 26, 2020, and part of application RA20023) including that the:

- Location is the same as proposed,
- Inlet to the EMS is located in the lower quarter of the structure,
- Constructed under the supervision of an engineer,
- EMS dimensions, along with elevations above and below grade and side wall slopes are the same as proposed,
- Location of and testing results of moisture content and compaction, for each 0.15 m lift to be reported in the completion report,



- Clay content of the soil used to construct the compacted soil liner must be included in the completion report and compared to the minimum 28% clay content proposed by Envirowest,
- Sand and silt content of the soil used to construct the compacted soil liner must be included in the completion report, and
- Sand, silt and clay content are to be reported for each texture test as individual test results within the completion report.

This document must be provided to the NRCB prior to the inspection referenced in condition four, or by a later date stated in writing by the NRCB.

3. Construction completion deadline
The permit holder shall complete the construction of the EMS prior to December 31, 2023. Upon written request, this deadline may be extended by the NRCB in writing.
4. Post construction inspection
The permit holder shall not place manure in the EMS until NRCB personnel have inspected it, and stated in writing that the EMS has been constructed in accordance with the terms and conditions of this permit.
5. Decommissioning of existing EMS
 - a. Within one year of the completion of the proposed EMS, the permit holder shall decommission the existing manure storage pad in accordance with Technical Guideline Agdex 096-90, "Closure of Manure Storage Facilities and Manure Collection Areas."
 - b. The permit holder shall provide the NRCB with a completed copy of the Manure Storage/Collection Area Closure worksheet referenced in Agdex 096-90 for decommissioning the manure storage pad.

This authorization becomes effective immediately, and is to be read in conjunction with previously issued Approval RA11051 and Authorization RA20003. The permit conditions will remain in effect unless amended in writing by the NRCB.

September 8, 2020

(Original signed)

Julie Wright
Approval Officer