

Environment Act Licence

Manitoba
Environment and
Workplace Safety
and Health



Licence No. 1280

Issue Date JULY 13, 1989

In accordance with the Manitoba Environment Act (C.C.S.M. c. E125)

THIS LICENCE IS ISSUED TO:

TWIN VALLEY CO-OP LTD.: APPLICANT

The following limits, terms, and conditions shall be complied with in connection with the operation of a fertilizer and bulk gasoline storage facility at or near the southwest quarter of Section 32, Township 16, Range 26 West in the Rural Municipality of Birtle, Manitoba:

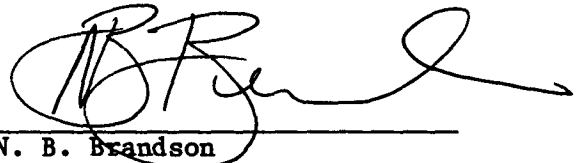
1. The Applicant shall not cause or permit particulate matter from any source of the operation to become airborne to such an extent that particulate matter exhibits an opacity in excess of 5 percent past the property line of the operation.
2. The Applicant shall not cause or permit the emission of sound from the operation which, when measured beyond the property line of the operation in a residential area:
 - (a) Subject to (b), exceeds an hourly equivalent sound level $L_{eq}(1)$ of:
 - (i) 60 dBA during the daytime hours of 7:00 a.m. to 10:00 p.m., local time;
 - (ii) 50 dBA during the nighttime hours of 10:00 p.m. to 7:00 a.m., local time.
 - (b) Where subjective evaluation or measurements indicate the sound has a significant impulsive characteristic or predominant discrete tone(s), exceeds an hourly equivalent sound level of:
 - (i) 55 dBA during the daytime hours of 7:00 a.m. to 10:00 p.m., local time;
 - (ii) 45 dBA during the nighttime hours of 10:00 p.m. to 7:00 a.m., local time.

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3. The Applicant shall not cause or permit emissions of ammonia to such an extent that the ambient concentration of ammonia in air, when measured past the property line of the said operation, does not exceed:
 - a) 10 parts per million at any time;
 - b) 2.0 parts per million when averaged over a 1-hour time period.
4. The Applicant shall ensure that the Anhydrous Ammonia Storage Facility is located:
 - a) at least 800 metres from residential areas, schools, hospitals or other institutions; and,
 - b) at least 100 metres from a single isolated residence; and,
 - c) at least 100 metres from the right of way of a highway.
5. The Applicant shall ensure that liquid nitrogen storage facilities are diked by an enclosure so designed, constructed and maintained, to retain not less than 110% of the capacity of the tank or 110% of the capacity of the largest tank where more than one tank is enclosed in the diked area, to prevent groundwater and/or surface water contamination due to spillage and/or contaminated water runoff.
6. The Applicant shall ensure that within four years of the issuance of this Licence a shelter belt of trees is established and maintained on the perimeter of the operation not less than 155 feet from a provincial highway or provincial trunk road exclusive of access and egress to provide visual screening, noise, dust and odour attenuation and aesthetically pleasing conditions.
7. The Applicant shall at the request of the Director:
 - a) conduct testing for the limits referred to in Clause 3 of this Licence within 60 days of the Director's request in a manner satisfactory to the Director; and,
 - b) submit a report containing the testing data and all other related data to the Director within 90 days after completion of the testing.

8. Noise level determinations, pursuant to Clause 2 of this Licence shall be based on measurement made as follows:

- a) beyond the property line of Twin Valley Co-op Ltd.; and,
- b) excluding any significant interfering sounds from other sources; and,
- c) in terms of the equivalent continuous sound level averaged over a 1-hour period (60 minutes) " $L_{eq}(1)$ ", using a sound level monitoring device which equals or surpasses the requirements of Canadian Standards Association Standard Z 107.1 - 1973 (or the equivalent) for Type 2 sound level meters, operated on the "A-weighting network" and "slow" meter response.



N. B. Brandson
Director
Environment Management Services

File: 2996.0