

Environment Act Licence

Manitoba
Environment and
Workplace Safety
and Health



Licence No. 1298

Issue Date AUGUST 21, 1989

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

THIS LICENCE IS ISSUED TO:

LOBO LAND LTD./PRAIRIE GOLD; APPLICANT

The following limits, terms, and conditions shall be complied with in connection with the operation of an anhydrous ammonia facility on the SE 1/4 17-5-20 W in the Rural Municipality of Whitewater:

1. The Applicant shall limit the emission of particulate matter from the operation to such an extent that airborne particulate matter from any part or process of the operation does not at any time exhibit 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 from 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 is in excess of:
 - (a) 10 parts per million at any time when measured past the property line of the operation;
 - (b) 2 parts per million on a 1-hour average when measured past the property line of the operation.
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 at the request of the Director:
 - (a) conduct testing for the emissions 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.
6. Noise level determinations pursuant to Clause 2 of this Licence, shall be based on measurement made as follows:
 - (a) beyond the property line of Lobo Land Ltd./Prairie Gold; 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), 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.

7. In this Licence, "Lequivalent" or "Leq" means the equivalent, A-weighted sound level, which signifies the intensity (dBA) of the constant or steady sound level that would result in exposure to the same total A-weighted energy as would the specified time varying sound if the constant sound level persisted over an equal time interval. "Leq(1)" means the equivalent sound level for a 1-hour period



C. B. Orcutt
Director
Environmental Control Services

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