

# Environment Act Licence

# Loi sur l'environnement Licence

Manitoba  
Conservation  
Conservation  
Manitoba



Licence No./Licence n° 1673 RR

Issue Date/Date de délivrance May 20, 1993

Revised: April 6, 2000  
January 10, 2002

**IN ACCORDANCE WITH THE MANITOBA ENVIRONMENT ACT (C.C.S.M. c. E125)  
THIS LICENCE IS ISSUED PURSUANT TO SECTION 10(1) TO:**

**CARGILL LIMITED - STE. ELIZABETH; "the Licencee"**

for the construction and operation of the Development being, a bulk liquid fertilizer blending/storage, an anhydrous ammonia storage tank and distribution facilities located on the NW¼ 36-4-2 EPM in the Rural Municipality of Montcalm, and in accordance with the Proposal filed under The Environment Act on January 20, 1992, and subject to the following specifications, limits, terms and conditions:

**DEFINITIONS**

In this Licence,

"**accredited laboratory**" means any facility accredited by the Standard Council of Canada (SCC); or facilities accredited by another accrediting agency recognized by Manitoba Conservation to be equivalent to the SCC; or any facility able to demonstrate to Manitoba Conservation, upon request, that it has the quality assurance/quality control (QA/QC) procedures in place equivalent to accreditation based on the Canadian Standard Can/CSA-Z753, extension of the international standard ISO 9000, Guide 25;

"**affected area**" means a geographical area excluding the property of the Development;

"**ambient concentration**" means the measurement of a substance contained in an air sample (corrected to a temperature of 25° C and to a pressure of 101.3 kilopascals) which has been collected from any point beyond the property line of the Development;

"**chemical**" includes, but is not limited to petroleum products, fertilizers and pesticides;

"**Director**" means an employee so designated pursuant to The Environment Act;

"**noise nuisance**" means a continuous or repeated noise in an affected area, which is offensive, obnoxious, troublesome, annoying, unpleasant, or disagreeable to a person:

- a) residing in an affected area;
- b) working in an affected area; or
- c) present at a location in an affected area which is normally open to the members of the public;

if the noise

- d) is the subject of at least 5 written complaints, received by the Director in a form satisfactory to the Director, and within a 90 day period, from 5 different persons falling within clauses a), b), or c), who do not live in the same household; or

**"A COPY OF THIS LICENCE MUST BE KEPT ON SITE AT THE DEVELOPMENT AT ALL TIMES"**

- e) is the subject of at least one written complaint, received by the Director in a form satisfactory to the Director, from a person falling within clauses a), b) or c), and the Director is of the opinion that if the noise had occurred in a more densely populated area there would have been at least 5 written complaints received within a 90-day period, from 5 different persons who do not live in the same household;

**"opacity"** means the degree to which emissions reduce the transmission of light and obscure the view of an object in the background;

**"particulate matter"** means any finely divided liquid or solid matter other than water droplets;

**"particulate residue"** means that part or portion of an atmospheric emission which is deposited onto a surface;

**"permanent anhydrous ammonia tank(s)"** means any storage container certified for the storage of anhydrous ammonia which is attached to a fixed supporting structure;

**"pesticide storage structure(s)"** means any building(s) where agricultural crop protection products are stored for either commercial or retail purposes;

**"point source"** means any point of emission from a Development where pollutants are ducted into the atmosphere; and

**"sewage"** means human body, toilet, liquid, waterborne culinary, sink or laundry waste.

### **GENERAL TERMS AND CONDITIONS**

This Section of the Licence contains requirements intended to provide guidance to the Licencee in implementing practices to ensure that the environment is maintained in such a manner as to sustain a high quality of life, including social and economic development, recreation and leisure for present and future Manitobans.

1. The Licencee shall comply with all applicable federal and provincial regulations.
2. The Licencee shall, at all times during the operation of the Development, ensure that a high standard of equipment maintenance and operational practices are implemented.
3. The Licencee shall reduce the production and dissemination of wastes by initiating and maintaining waste reduction and waste recycling programs.
4. The Licencee shall not emit particulate matter from the Development such that:
  - a) particulate matter:
    - i) exceeds 0.23 grams per dry standard cubic metre calculated at 25 degrees Celsius and 760 millimetres of mercury, corrected to 12 percent carbon dioxide for processes involving combustion from any point source of the Development;

- ii) exhibits a visible plume with an opacity of greater than 5 percent at any point beyond the property line of the Development; or
    - iii) results in the deposition of visible particulate residue at any time beyond the property line of the Development; or
  - b) opacity from any point source of the Development equals or exceeds:
    - i) 20 percent as the average of any 24 consecutive opacity observations taken at 15 second intervals;
    - ii) 20 percent for more than 16 individual opacity observations within any 1 hour period; or
    - iii) 40 percent for any individual opacity observation.
- 5. The Licencee shall not cause or permit a noise nuisance to be created as a result of the operation of the Development, and shall take such steps as the Director may require to eliminate or mitigate a noise nuisance.
- 6. The Licencee shall not emit ammonia from the Development such that the ambient concentration of ammonia in air is in excess of:
  - a) 10 parts per million at any time when measured at any point beyond the property line of the Development; or
  - b) 2 parts per million as an 1-hour average when measured at any point beyond the property line of the Development.
- 7. The Licencee shall at the request of the Director, conduct soil, air (stack and/or ambient), ground water, surface water or noise monitoring at or adjacent to the Development.
- 8. The Licencee shall, unless otherwise specified in this Licence, ensure that all analytical determinations are undertaken by an accredited laboratory for any of the following analytes as may be specified by the Director:
  - a)  $\text{NH}_3$  - N (Sol.);
  - b)  $\text{NH}_3$  - (in Air);
  - c)  $\text{NO}_3$  -  $\text{NO}_2$  - N (Diss.);
  - d) Kjeldhal, Total - N;
  - e) P - Total; and
  - f) Particulate Matter (in air).
- 9. The Licencee shall submit a copy of the sampling report complete with analytical results as specified pursuant to Clauses 7 and 8 of this Licence, to the Director within 60 days of the completion of the sampling program.

## **SPECIFICATIONS, LIMITS, TERMS AND CONDITIONS**

### **I - LIQUID EMISSIONS**

- 10. The Licencee shall not direct any spillage, contaminated run-off or pollutant, other than sewage, to an approved sewage disposal system.
- 11. The Licencee shall contain and clean up immediately any chemical spills in order to prevent soil, surface water or ground water contamination.

## II - REMEDIAL ACTION

12. The Licencee, subject to obtaining approval from an Environment Officer, shall immediately dispose of any contaminated material in accordance with the approval.

## III - EMERGENCY CONTINGENCY PLAN

13. The Licencee shall submit, within ninety (90) days of the issuance of this Licence, an emergency response contingency plan to be approved by the Director. This plan shall include, but not be limited to, items which will address: measures implemented for spill prevention and containment; security; personnel training; fire and other response arrangements.

## IV - FERTILIZER PRODUCTS

14. The Licencee shall provide containment within any diked or curbed liquid fertilizer storage area for a volume of liquid equal to 110% of the volume of the largest storage tank located therein.
15. The Licencee shall maintain the containment area volume capacity in Clause 14 of this Licence by the immediate removal and disposal, in a manner approved by the Director, of all accumulated fluids.

## V - ANHYDROUS AMMONIA SETBACK DISTANCES

16. The Licencee shall not locate any permanent anhydrous ammonia tank(s) used for the on-site storage of ammonia prior to redistribution, within:
- 800 metres from residential areas, schools, hospitals or other institutions;
  - 100 metres from a single isolated residence; or
  - 100 metres from the edge of the right of way of a highway.

## VI - SITE DECOMMISSIONING

17. The Licencee shall submit within one (1) year prior to closure of the facility, for the approval of the Director, a formal detailed Decommissioning Plan for the facility.
18. The Licencee shall implement, on closure of the facility, the approved Decommissioning Plan.

## REVIEW AND REVOCATION

- A. This Licence replaces Licence No. 1673 R which is hereby rescinded.
- B. If, in the opinion of the Director, the Licencee has exceeded or is exceeding or has or is failing to meet the specifications, limits, terms, or conditions set out in this Licence, the Director may, temporarily or permanently, revoke this Licence.

- C. If construction of the development is not commenced within three years of the date of this Licence, the Licence is revoked.
- D. If, in the opinion of the Director, new evidence warrants a change in the specifications, limits, terms, or conditions of this Licence, the Director may require the filing of a new proposal pursuant to Section 10 of The Environment Act.



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Larry Strachan, P. Eng.  
Director  
Environment Act

Client File No.: 3390.00