

Licence No.: 2172

Licence Issued: April 12, 1996

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

THIS LICENCE IS ISSUED TO:

UNITED GRAIN GROWERS LIMITED - GRISWOLD; "the Licencee"

for the installation and operation of the Development being a crop protection products warehouse, a grain elevator, and distribution facilities located on land leased from the Canadian Pacific Railway on the SE 1/4 25-9-23 WPM in the Rural Municipality of Sifton, subject to the following specifications, limits, terms and conditions:

DEFINITIONS

In this Licence,

"**A-weighted sound level**" means the sound level measured in dBA units with a sound level meter set on the A-weighting network, being a filter designed to approximate the relative sensitivity of the normal human ear to different frequencies of sound;

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

"**appreciable impulsive or impact character**" means sound which has a significant amount of impulsive or impact nature, such as hammering, explosions and clanking or banging. Impulsive or impact sounds are sounds of short duration, usually less than one second, characterized by an abrupt onset followed by a rapid decay;

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

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

"**dB**" (decibel) means a dimensionless measure of sound level or sound pressure level, where,

sound level = $20 \log_{10}$ of {sound pressure (actual)}/{sound pressure (reference)};

"**4 minute period(s) in the aggregate**" means any 16 readings, not necessarily contiguous, taken at 15 second intervals within a 1 hour sampling period;

"**Leq (energy equivalent level)**" means the A-weighted sound level (as decibels {dBA}) of a constant or steady sound, for a stated period, which has an amount of acoustic energy equivalent to that contained in the sound being measured;

"**Leq(1)**" means the Leq for a one hour period;

"**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;

"**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;

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

GENERAL SPECIFICATIONS

1. The Licencee shall comply with the current edition of the Crop Protection Institute of Canada's warehousing standards regarding the handling and storage of crop protection chemicals, and with all applicable federal and provincial regulations.
2. The Licencee shall install and maintain, for any pesticide storage structure(s), an automatic system(s) for fire detection and security.
3. The Licencee shall, at all times during the operation of the Development, ensure that a high standard of equipment maintenance and good housekeeping and operational practices are implemented.
4. The Licencee shall reduce the production and dissemination of wastes by initiating and maintaining waste reduction and waste recycling programs.

LIMITS, TERMS AND CONDITIONS

I - AIR EMISSIONS

5. The Licencee shall not emit particulate matter from the Development such that:
 - i) particulate matter:
 - a. 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;
 - b. exhibits a visible plume with an opacity of greater than 5 percent at any point beyond the property line of the Development; or
 - c. results in the deposition of visible particulate residue at any time beyond the property line of the Development. or
 - ii) opacity from any point source of the Development equals or exceeds:
 - a. 20 percent as the average of any 24 consecutive opacity observations taken at 15 second intervals;
 - b. 20 percent for more than 16 individual opacity observations within any 1 hour period; or
 - c. 40 percent for any individual opacity observation.
6. The Licencee shall not emit sound from any part or process of the Development, such that any emission when measured at a point of reception within an area which is zoned as residential, exceeds the following {Leq(1)} limits:
 - i) subject to sub-Clause 6 (ii):
 - a. 60 dBA during the daytime hours of 7:00 a.m. to 10:00 p.m., local time; or
 - b. 50 dBA during the nighttime hours of 10:00 p.m. to 7:00 a.m., local time; or
 - ii) when the sound has an appreciable impulsive or impact character or a predominant discrete tone:
 - a. 55 dBA during the daytime hours of 7:00 a.m. to 10:00 p.m., local time; or
 - b. 45 dBA during the nighttime hours of 10:00 p.m. to 7:00 a.m., local time.
7. The Licencee shall not emit sound from any part or process of the Development, such that any emission when measured at a point of reception within an area which is zoned as commercial, exceeds the following {Leq(1)} limits:
 - i. 70 dBA during the daytime hours of 7:00 a.m. to 10:00 p.m., local time; or
 - ii. 60 dBA during the nighttime hours of 10:00 p.m. to 7:00 a.m., local time.
8. The Licencee shall not emit sound from any part or process of the Development, such that any emission when measured at a point of reception, beyond the property line of the Development and within an area which is

zoned as industrial, exceeds an Leq(1) of 70 dBA at any time.

II - LIQUID EMISSIONS

9. The Licencee shall not direct any spillage, contaminated run-off or pollutant, other than sewage, to an approved sewage disposal system.
10. The Licencee shall contain and clean up immediately any chemical spills in order to prevent soil, surface water or ground water contamination.
11. The Licencee shall ensure that the site retention area is protected with an additional 45 cm of compacted clay material or other materials approved by the Director.
12. The Licencee shall ensure that the Development is adequately diked and that control culverts are installed at the low end of the dyked area and those control culverts remain in the closed position. The Regional Office of Manitoba Environment in Virden shall be contacted for prior approval to open the control culverts to permit land drainage.
13. The Licencee shall ensure that the surface of the containment area is inspected semiannually for desiccation cracks, and that the containment area's continuity is maintained.

III - REMEDIAL ACTION

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

IV - EMERGENCY CONTINGENCY PLAN

15. 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, floods and other response arrangements.

V - PESTICIDES

16. The Licencee shall construct and maintain the concrete floors and curbs of all pesticide storage structure(s) so as to prevent spilled liquids from leaking into the soil.
17. The Licencee shall create and maintain a current duplicate inventory of all pesticides stored at the Development, with one copy stored at the premises of the Development, and the other copy stored at a location off-site from the Development.
18. The Licencee shall store only pesticides registered under the Pest Control Products Act of Canada at the Development.
19. The Licencee shall contain on the Development:
 - i. any on-site pesticide spill;
 - ii. wastewater generated from any response action due to an on-site release of pesticides; and
 - iii. contaminated water resulting from the extinguishing of any fire involving pesticides.
20. The Licencee shall locate the pesticide storage structure(s) a minimum distance of:
 - i. 100 metres from any property zoned residential; and
 - ii. 100 metres from single residencesunless a written consent form is obtained from the owner(s).

VI - SAMPLING AND ANALYSIS

21. The Licencee, at the request of the Director, shall conduct soil, air (stack and/or ambient), ground water, surface water or noise monitoring at or adjacent to the Development.
22. The Licencee shall have each soil, air or water sample collected pursuant to Clause 21 analyzed by a laboratory approved by the Director, using methods approved by the Director for any of the following analytes as may be specified by the Director:
 - i. Particulate Matter (in air); and
 - ii. Pesticides.
23. The Licencee shall submit a copy of the sampling report complete with analytical results as specified pursuant to Clauses 21 and 22, to the Director within 60 days of the completion of the sampling program.

VII - SITE DECOMMISSIONING

24. 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.
25. The Licencee shall implement, on closure of the facility, the approved Decommissioning Plan.

REVOCATION

If in the opinion of the Director the Licencee has exceeded or is exceeding the limits, or has not or is not complying with the specifications, terms or conditions set out herein, the Director may revoke, temporarily or permanently, this Licence.

"original signed by"
Larry Strachan, P. Eng.
Director
Environment Act

Client File No.: 4133.00