

Environment Act Licence

Manitoba
Environment



Licence No. 1695
Issue Date JULY 15, 1993

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

THIS LICENCE IS ISSUED TO:

Rural Municipality of Shoal Lake: "the Licencee"

for the construction and operation of the Development being a temporary dewatering cell with the removal of biosolids and sludge solids from a wastewater treatment lagoon located in the northeast quarter of Section 21, Township 18, Range 23 WPM and the disposal of biosolids and sludge solids at a waste disposal ground located in the southeast quarter of Section 28, Township 18, Range 23 WPM and subject to the following specifications, limits, terms and conditions:

DEFINITIONS

In this Licence,

"biosolids" means accumulated organic solids, resulting from wastewater treatment processes, that have received adequate treatment to permit the material to be recycled;

"designated Environment Officer" means the Environment Officer assigned responsibility for monitoring compliance with this Licence by the Director;

"dewatering cell" means a structure used to contain wastewater while the sludge solids separate from the supernatant;

"Director" means an employee designated pursuant to the Environment Act;

"effluent" means treated wastewater flowing or pumped out of the wastewater treatment lagoon;

"sludge" means accumulated solid material containing large amounts of entrained water, which has separated from wastewater during processing;

"sludge solids" means solids in sludge;

"supernatant" means the liquid remaining above the sludge solids after sedimentation;

"surface expression" means the presence of biosolids at or near the ground surface in the furrow created by the injection equipment;

"waste disposal ground" means an area of land designated by a person, municipality, provincial government agency, or crown corporation for the disposal of waste and approved for use in accordance with Manitoba Regulation 150/91;

"wastewater treatment lagoon" means an impoundment into which wastewater is discharged for storage and treatment by natural oxidation;

GENERAL SPECIFICATIONS

1. The Licencee shall maintain and operate the temporary dewatering cell in such a manner as to prevent the contamination of groundwater and surface waters.
2. The Licencee shall, in case of physical or mechanical breakdown of the treatment, handling and/or transportation equipment for sludge solids and biosolids:
 - (a) notify the Director immediately;
 - (b) identify the repairs required; and
 - (c) complete the repairs in accordance with any written instructions of the Director.

DISCHARGE LIMITS, TERMS AND CONDITIONS

3. The Licencee shall ensure that biosolids and sludge solids are disposed of at a waste disposal ground, operating under a permit issued in accordance with Manitoba Regulation 150 / 91.
4. The Licencee shall ensure that the cell of the wastewater treatment lagoon from which sludge is to be removed is isolated from the rest of the wastewater treatment system while the sludge is being mixed or removed from the cell.
5. The Licencee shall ensure that all containers on vehicles used to transport biosolids and sludge solids, to or from the Development, are constructed and maintained to prevent leakage of biosolids and sludge solids to the satisfaction of the designated Environment Officer.
6. The Licencee shall, after placing the sludge in the temporary dewatering cell, remove all the supernatant from the sludge and return the supernatant to the wastewater treatment lagoon, so that only biosolids and sludge solids remain.

7. The Licencee shall, within 60 days of removing the supernatant, transfer all the biosolids and sludge solids from the temporary dewatering cell to a waste disposal ground.
8. The Licencee shall cover the biosolids and sludge solids deposited at the waste disposal ground with soil to a minimum depth of 15 centimetres.

CONSTRUCTION SPECIFICATIONS

9. The Licencee shall ensure that the temporary dewatering cell is constructed with compacted clay berms and is operated in a manner that sludge and supernatant do not leak out of the cell.
10. The Licencee shall ensure that all temporary works are removed from the wastewater treatment lagoon site and the site is returned to its original state prior to September 1, 1994.

TERMINATION

11. This Licence shall terminate on the 1st day of April 1995.

REVOCACTION

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 herein, the Director may revoke, temporarily or permanently, this Licence.



Larry Strachan, P. Eng.
Director
Environment Act

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