

# Environment Act Licence Loi sur l'environnement Licence

Manitoba  
Conservation  
Conservation  
Manitoba



Licence No./Licence n° 2737  
Issue Date/Date de délivrance October 6, 2006

**IN ACCORDANCE WITH THE MANITOBA ENVIRONMENT ACT (C.C.S.M. c. E125)  
THIS LICENCE IS ISSUED PURSUANT TO SECTION 11(1) TO:**

**THE TOWN OF MINNEDOSA; "the Licencee"**

for the construction and operation of the Development being a water supply and treatment system with three wells and two water treatment plants located in the Town of Minnedosa, with the discharge of wastewater from both water treatment plants to the Little Saskatchewan River, in accordance Environment Act proposals dated July 2, 1997 (Water Treatment Plant #1) and July 27, 2006 (Water Treatment Plant #2) and a letter dated September 19, 2006 from UMA Engineering Ltd. to the Environmental Assessment and Licensing Branch, and subject to the following specifications, limits, terms and conditions:

**DEFINITIONS**

In this Licence,

**"accredited laboratory"** means an analytical facility accredited by the Standard Council of Canada (SCC), or accredited by another accrediting agency recognized by Manitoba Conservation to be equivalent to the SCC, or be able to demonstrate, upon request, that it has the quality assurance/quality control (QA/QC) procedures in place equivalent to accreditation based on the international standard ISO/IEC 17025, or otherwise approved by the Director; and

**"as constructed drawings"** means engineering drawings complete with all dimensions which indicate all features of the Development as it has actually been built.

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

### **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, in addition to any of the following specifications, limits, terms and conditions specified in this Licence, upon the request of the Director:
  - (a) sample, monitor, analyse or investigate specific areas of concern regarding any segment, component or aspect of pollutant storage, containment, treatment, handling, disposal or emission systems, for such duration and at such frequencies as may be specified;
  - (b) determine the environmental impact associated with the release of any pollutants from the Development;
  - (c) conduct specific investigations in response to the data gathered during environmental monitoring programs; or
  - (d) provide the Director, within such time as may be specified, with such reports, drawings, specifications, analytical data, flow rate measurements and such other information as may from time to time be requested.
2. The Licencee shall construct and operate the water supply and treatment system in accordance with Manitoba Regulations under The Public Health Act and all operating requirements as recommended by Manitoba Conservation and Manitoba Water Stewardship.
3. The Licencee shall properly train or qualify individuals to carry out the operation of the Development.
4. The Licencee shall collect and dispose of all used oil products and other regulated hazardous wastes generated by the machinery used in the construction and operation of the Development in accordance with applicable Manitoba Conservation and legislation requirements.
5. The Licencee shall revegetate soil exposed during the construction of the upgraded Water Treatment Plant #2 of the Development with native or introduced grasses or legumes. Native species shall be used to revegetate areas where native species existed prior to construction.

6. The Licencee shall maintain the water supply wells associated with the Development to prevent the contamination of groundwater by surface water:
  - (a) entering the well casings through the tops of the casings;
  - (b) entering the well casings through the sides of the casings; and
  - (c) seeping down the outsides of the casings to the groundwater.
7. The Licencee shall:
  - (a) prepare as constructed drawings for the Development and shall label the drawings "As Constructed"; and
  - (b) provide to the Director, within three months of the completion of construction of the Development, two sets of as constructed drawings.

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

##### **Respecting Construction and Operation:**

8. The Licencee shall notify the Western Region of Manitoba Conservation not less than two weeks prior to beginning construction of the Development. The notification shall include the intended starting date of construction and the name of the contractor responsible for the construction.
9. The Licencee shall, during construction of the Development, dispose of non-reusable construction debris at a waste disposal ground operating under the authority of a permit issued under *Manitoba Regulation 150/91* respecting *Waste Disposal Grounds* or a Licence issued pursuant to The Environment Act.
10. The Licencee shall, during construction and operation of the Development,
  - (a) immediately report any reportable spills to Manitoba Conservation's Accident Reporting Line at (204) 944-4888; and
11. The Licencee shall locate fuel storage and equipment servicing areas established for the construction and operation of the Development in compliance with the requirements of *Manitoba Regulation 188/2001* respecting *Storage and Handling of Petroleum Products and Allied Products*.

12. The Licencee shall dispose of sludge from the settling ponds of Water Treatment Plant #2 of the Development at a waste disposal ground operating under the authority of a permit issued under *Manitoba Regulation 150/91* respecting *Waste Disposal Grounds* or a Licence issued pursuant to The Environment Act.
13. The Licencee shall maintain flows in the Little Saskatchewan River below the Minnedosa Dam as described in Section 4.0 of the July, 2006 report "Town of Minnedosa Water Supply Upgrade Project Environment Act Proposal Submission", by UMA Engineering Ltd. The flow maintenance program shall be undertaken when flows into Lake Minnedosa from the Little Saskatchewan River above the lake are less than  $0.28 \text{ m}^3/\text{s}$ , and shall consist of a release of  $0.059 \text{ m}^3/\text{s}$  of water plus the amount of water entering Lake Minnedosa from the Little Saskatchewan River above the lake.
14. The Licencee shall provide, by March 31, 2007, the detailed operational plan described in Section 4.0 of the report named in Clause 13 of this Licence for approval by the Director. The operational plan shall also address ice monitoring, public safety and the monitoring and mitigation of effects on beavers and muskrats during periods when the flow maintenance program described in Clause 13 of this Licence is occurring.
15. The Licencee shall not alter the flow maintenance program described in Clause 13 of this Licence without the prior written approval of the Director.
16. The Licencee shall actively participate in the watershed based management study being undertaken for the Little Saskatchewan River by the Little Saskatchewan River Conservation District.

**Respecting Effluent Monitoring:**

17. The Licencee shall conduct an effluent monitoring program as described in Clauses 18 to 21 of this Licence, for a period of one year commencing with the operation of Water Treatment Plant #2 of the Development. Following this period, the duration of the effluent monitoring program may be extended by the Director if the results, in the opinion of the Director, indicate that a longer monitoring period is appropriate.

18. The Licencee shall, on a monthly basis for the duration of the effluent monitoring program, collect grab samples at locations approved by the Director in the wastewater stream within Water Treatment Plant #2, in the wastewater stream from the settling ponds of Water Treatment Plant #2, and in the Little Saskatchewan River upstream and downstream of the effluent discharge point from the settling ponds.
19. The Licencee shall transport the grab samples collected pursuant to Clause 18 of this Licence, to an accredited laboratory for analysis. The samples shall be stored and transported in accordance with procedures specified by Manitoba Water Stewardship to ensure that the samples are suitable for analysis.
20. The Licencee shall, at an accredited laboratory, have the samples collected pursuant to Clause 18 of this Licence, analysed for the following parameters:
  - (a) total suspended solids (TSS);
  - (b) total dissolved solids (TDS);
  - (c) iron;
  - (d) manganese; and
  - (e) chlorine.
21. The Licencee shall submit the results of the effluent monitoring program to the Director within 60 days of the completion of the first year of operation of Water Treatment Plant #2.

**Respecting Water Quality Monitoring:**

22. The Licencee shall implement the water quality monitoring program described in Section 6.3 of the July, 2006 report "Town of Minnedosa Water Supply Upgrade Project Environment Act Proposal Submission", by UMA Engineering Ltd. This program shall include monthly samples from the Little Saskatchewan River near Water Treatment Plant #1, as well as samples from the three groundwater wells of the Development. Analysis of the samples shall be undertaken at an accredited laboratory except as noted below, and shall include the following parameters:
  - (a) pH (field measurement);
  - (b) conductivity (field measurement);
  - (c) hardness;
  - (d) alkalinity;
  - (e) total dissolved solids (TDS);
  - (f) turbidity;

- (g) major cations and anions;
- (h) metals, including iron and manganese;
- (i) dissolved organic carbon (DOC);
- (j) dissolved oxygen (DO) (field measurement);
- (k) total coilform; and
- (l) *Escherichia coli*.

23. The Licencee shall provide a report on the water quality monitoring program required by Clause 22 of this Licence to the Director within 60 days of the completion of the first year of operation of Water Treatment Plant #2.
24. The Licencee shall, by January 1, 2007, provide a report to the Director respecting a program of dissolved oxygen monitoring on Lake Minnedosa during periods of ice cover on the lake. The program shall specify the locations and frequency of monitoring, and shall indicate the actions to be undertaken if dissolved oxygen levels decrease to harmful levels. The monitoring program shall be designed in consultation with Manitoba Water Stewardship.

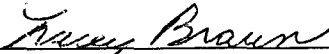
**Respecting Water Quantity Monitoring:**

25. The Licencee shall implement the groundwater level monitoring program described in Section 6.1 of the July, 2006 report "Town of Minnedosa Water Supply Upgrade Project Environment Act Proposal Submission", by UMA Engineering Ltd. This shall include a total of three monitoring wells in the vicinity of each of the two pumping centres of the Development (Well 1 is one pumping centre and Wells 2 and 3 form the other pumping centre.)
26. The Licencee shall provide a report on the groundwater level monitoring program required by Clause 25 of this Licence to the Director within 60 days of the completion of the first year of operation of Water Treatment Plant #2.
27. The Licencee shall implement the surface water quantity monitoring program described in sections 4.2 and 6.2 of the July, 2006 report "Town of Minnedosa Water Supply Upgrade Project Environment Act Proposal Submission", by UMA Engineering Ltd. This shall include monitoring of flows upstream and downstream of Lake Minnedosa, monitoring of water levels on Lake Minnedosa, and monitoring of water levels on the Little Saskatchewan River adjacent to the two pumping centres of the Development.

28. The Licencee shall provide a report on the surface water quantity monitoring program required by Clause 27 of this Licence to the Director within 60 days of the completion of the first year of operation of Water Treatment Plant #2.
29. The Licencee shall, by March 31, 2007, provide a report for approval by the Director addressing additional monitoring wells to monitor the overall response of the aquifer to the Development, and addressing the geochemical aspects of the interconnection between the Little Saskatchewan River and the aquifer.

#### **REVIEW AND REVOCATION**

- A. Environment Act Licence No. 2280 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 has 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 11 of The Environment Act.

  
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**Tracey Braun, M. Sc.**  
**Director**  
**Environment Act**

File: 4263.00 (Water Treatment Plant #1)

File: 5205.00 (Water Treatment Plant #2)