

**Licence No.: 2418**

**Licence Issued: September 20, 1999**

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

**BORDER VALLEY WATER COOPERATIVE LTD.; "the Licencee"**

for the construction and operation of the Development being a water treatment plant and associated facilities located in SW 18-1-3W in the Rural Municipality of Rhineland, in accordance with the Proposal filed under The Environment Act dated June 30, 1999 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 Environment to be equivalent to the SCC, or facilities which can demonstrate to Manitoba Environment, upon request, that quality assurance/quality control (QA/QC) procedures are in place equivalent to accreditation based on the Canadian Standard Can/CSA-Z753, extension of the international standard ISO 9000, Guide 25.

**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 said plant;
  - 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, prior to the construction and commencement of operation of the Development, receive approval pursuant to The Public Health Act for final plans for the Development.
3. The Licencee shall ensure that the design, construction and operation of the municipal water supply is in accordance with Manitoba Regulations under The Public Health Act and all operating requirements as recommended by Manitoba Environment.
4. The Licencee shall ensure that the operation of the Development is carried out by individuals properly trained or qualified to do so.
5. The Licencee shall ensure that all used oil products and other regulated hazardous wastes generated by the machinery used in the construction and operation of the Development are collected and disposed of in

accordance with applicable Manitoba Environment and legislation requirements.

6. The Licencee shall revegetate soil exposed during the construction 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.

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

7. The Licencee shall notify the South-Central Region of Manitoba Environment and the Regional Wildlife Manager of Manitoba Natural Resources 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.
8. The Licencee shall not undertake instream construction associated with the Development between April 1 and June 15 of any year.
9. The Licencee shall not undertake instream construction associated with the Development during high flow periods, and shall suspend construction in and adjacent to streams during heavy precipitation events.
10. The Licencee shall not undertake construction in or adjacent to areas of wildlife habitat, including treed areas and stream riparian zones, between May and July of any year.
11. The Licencee shall ensure that non-reusable demolition and construction debris from the Development is disposed of at a waste disposal ground operating under the authority of a permit issued under *Manitoba Regulation 150/91* respecting *Waste Disposal Grounds*.
12. The Licencee shall separate and replace topsoil from backhoe and trenching operations in accordance with the methodology described in Figures 1, 2 and 3 attached to this Licence. This requirement is not applicable where the topsoil has been previously disturbed due to the construction of roads or drains.
13. The Licencee shall ensure that fuel storage and equipment servicing areas established for the construction and operation of the Development are located a minimum distance of 100 metres from any waterbody, and shall comply with the requirements of *Manitoba Regulation 97/88R* respecting *Storage and Handling of Gasoline and Associated Products*.
14. The Licencee shall conduct an effluent monitoring program as described in Clauses 15 to 18, of this Licence, for a period of two years commencing with the operation of the Development. Following this period, the duration of the 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.
15. The Licencee shall, on a quarterly basis for the duration of the effluent monitoring program, collect grab samples at two locations approved by the Director. These locations shall be in the backwash effluent stream inside the water treatment plant and in Buffalo Creek below the effluent discharge point.
16. The Licencee shall transport the grab samples collected pursuant to Clause 15, of this Licence, to an accredited laboratory for analysis. The samples shall be stored and transported in accordance with procedures specified by Manitoba Environment to ensure that the samples are suitable for analysis.
17. The Licencee shall, at an accredited laboratory, have the samples collected pursuant to Clause 15, of this Licence, analysed for the following parameters:
  - a. pH;
  - b. conductivity;
  - c. total dissolved solids;

- d. total suspended solids;
- e. total alkalinity;
- f. iron;
- g. manganese;
- h. arsenic; and
- i. chlorine.

18. The Licencee shall, not more than 30 days after the results of each quarterly analysis are available, submit the results to the Director.

19. The Licencee shall:

- a. each winter during the operation of the Development, monitor ice accumulation in Buffalo Creek downstream of the effluent discharge point; and
- b. remove or break accumulated ice deposits resulting from the operation of the Development, or take other reasonable action as may be necessary, to prevent flooding due to ice accumulation from the operation of the Development on land downstream of the effluent discharge point which is not controlled by the Licencee.

### **REVIEW AND REVOCATION**

- A. 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.
- B. If construction of the development has not commenced within three years of the date of this Licence, the Licence is revoked.
- C. 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.

"original signed by"

**Larry Strachan, P. Eng.**  
**Director**  
**Environment Act**

**Client File No.: 4452.00**