

Licence No.: 2531

Licence Issued: December 6, 2001

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

TOWN OF SOURIS; "the Licencee"

for the construction and operation of the Development being a water supply system consisting of a well in the municipal road allowance north of NE 2-8-20W, a water treatment plant at 148 First Street South in the Town of Souris, a raw water pipeline between the well and the water treatment plant, and associated facilities, in accordance with the Proposal filed under The Environment Act dated October 17, 2001 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 facilities which can demonstrate to Manitoba Conservation, 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; and

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

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 Conservation.
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 Conservation and legislation requirements.
6. The Licencee shall construct waterway crossings on flowing waterways by augering, tunnelling or boring. Open cut crossings on flowing waterways shall not be made unless prior consultation with Manitoba Conservation and Department of Fisheries and Oceans staff has occurred and the prior written approval of the Director has been obtained. Dry or non-flowing natural and artificial waterways may be crossed with open cut techniques where approval has been obtained where necessary from the provincial or municipal authority responsible for the channel.
7. The Licencee shall, where open cut stream crossing techniques are used on intermittent waterways and artificial drainage channels, minimize disturbance to riparian areas and restore the bottom and banks of the waterways to their original elevations and shapes.
8. The Licencee shall, during construction of the Development, ensure that all necessary measures are implemented to prevent the erosion of exposed soil into any waterbodies. Construction adjacent to waterbodies shall not occur during high rainfall events.
9. 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. Revegetation is not required for pipelines installed by chain trenching or ploughing on previously disturbed ground including road allowances.
10. The Licencee shall ensure that local drainage patterns are not altered by the construction of the Development, including inflows and outflows from small wetlands adjacent to the route of pipelines.

SPECIFICATIONS, LIMITS, TERMS AND CONDITIONS

11. 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.
12. 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***.
13. The Licencee shall ensure that fuel storage and equipment servicing areas established for the construction and operation of the Development:
 - a. are located a minimum distance of 100 metres from any waterbody; and
 - b. comply with the requirements of ***Manitoba Regulation 97/88R*** respecting ***Storage and Handling of Gasoline and Associated Products***.
14. The Licencee shall ensure that, during construction and operation of the Development, spills of fuels or other contaminants are reported to an Environment Officer in accordance with the requirements of ***Manitoba Regulation 439/87*** respecting ***Environmental Accident Reporting***.
15. 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.

16. The Licencee shall, where open cut stream crossing techniques are used on intermittent waterways and artificial drainage channels, ensure that open cut crossings associated with the Development are not constructed between April 1 and June 15 of any year.
17. The Licencee shall ensure that open cut stream crossings associated with the Development are constructed in accordance with the methodologies described in the November, 1999 publication "Watercourse Crossings Second Edition", published by the National Energy Board.
18. 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.
19. The Licencee shall conduct an effluent monitoring program as described in Clauses 20 to 23 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.
20. The Licencee shall, on a quarterly basis for the duration of the effluent monitoring program, collect grab samples at three locations approved by the Director. These locations shall be in the backwash effluent stream inside the water treatment plant and in the Souris River above and below the effluent discharge point. The location below the effluent discharge point shall be immediately downstream of the discharge location and in the effluent discharge's plume.
21. The Licencee shall transport the grab samples collected pursuant to Clause 20 of this Licence, to an accredited laboratory for analysis. The samples shall be stored and transported in accordance with procedures specified by Manitoba Conservation to ensure that the samples are suitable for analysis.
22. The Licencee shall, at an accredited laboratory, have the samples collected pursuant to Clause 20 of this Licence, analysed for the following parameters:
 - a. pH;
 - b. hardness;
 - c. total dissolved solids;
 - d. total suspended solids;
 - e. calcium;
 - f. chloride;
 - g. sodium;
 - h. sulphate;
 - i. iron;
 - j. magnesium; and
 - k. manganese.
23. The Licencee shall, not more than 30 days after the results of each quarterly analysis are available, submit the results to the Director.
24. The Licencee shall, during winter months, ensure that signs are placed as necessary in the vicinity of the effluent discharge point in the Souris River advising of potentially dangerous ice conditions.

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 11 of The Environment Act.

"original signed by Serge Scrafield for:"

Larry Strachan, P. Eng.

Director

Environment Act

Client File No.: 4714.00

Figures 1, 2 and 3 please refer to File copy.