



Conservation

Environmental Stewardship Division
Environmental Assessment and Licensing Branch
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www.gov.mb.ca/conservation/eal

FAXED

CLIENT FILE NO.: 5400.00

June 19, 2009

Howard J. Norek, C.A.O.
R.M. of Woodworth
Box 148
Kenton, MB R0M 0Z0

Dear Mr. Norek,

Enclosed is Environment Act Licence No. 2883 dated June 19, 2009 issued in accordance with The Environment Act to the **R.M. of Woodworth** for the construction and operation of the Development being a water treatment and supply system for the Rural Municipality of Woodworth with a manganese greensand filtration water treatment plant west of Kenton in NW 3-12-24W and distribution pipelines to provide connections in the Lenore area, and the discharge of filter backwash to a retention pond ultimately discharging to the Assiniboine River, in accordance with the Proposal filed under The Environment Act and dated March 19, 2009.

In addition to the enclosed Licence requirements, please be advised that all other applicable federal, provincial and municipal regulations and by-laws must be complied with.

For further information on the administration and application of the Licence, please feel free to contact Peter Crocker, Environment Officer at (204) 946-6565.

Pursuant to Section 27 of The Environment Act, this licensing decision may be appealed by any person who is affected by the issuance of this Licence to the Minister of Conservation within 30 days of the date of the Licence.

Yours truly,

Tracey Braun, M. Sc.
Director
Environment Act

Enc. 1
cc: Gordon Labovitch, Regional Director, Central Region
Peter Crocker, Environment Officer, Western Region
Yvonne Parsons, M.A.Sc., P.Eng., MWSB
Public Registries

NOTE: Confirmation of Receipt of this Licence No. 2883 (by the Licencee only) is required by the Director of Environmental Assessment and Licensing. Please acknowledge receipt by signing in the space provided below and faxing a copy (letter only) to the Department by July 7, 2009.

On behalf of the R.M. of Woodworth

Date

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

LICENCE

Licence No. / Licence n° 2883

Issue Date / Date de délivrance June 19, 2009

In accordance with The Environment Act (C.C.S.M. c. E125) /
Conformément à la Loi sur l'environnement (C.P.L.M. c. E125)

Pursuant to Section 11(1) / Conformément au Paragraphe 11(1)

THIS LICENCE IS ISSUED TO: / CETTE LICENCE EST DONNÉE À :

The Rural Municipality of Woodworth, the Licencee

for the construction and operation of the Development being a water treatment and supply system for the Rural Municipality of Woodworth, with a main line greensand filtration water treatment plant west of Kenton in R.M. 12-24 and distribution pipelines to provide connections in the Lenore area, and the discharge of filter backwash to a retention pond ultimately discharging to the Assiniboine River, in accordance with the Proposal filed under The Environment Act, dated March 18, 2009, 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 any facility able to demonstrate to Manitoba Conservation upon request, that it has the quality assurance/quality control (QA/QC) procedures in place equivalent to accreditation based on the Canadian Standard (CAN/CSA-Z753, Revision 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 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 design, construct and operate the water treatment and supply system in accordance with Manitoba Regulations under The Public Health Act and The Drinking Water Safety Act and all operating requirements as recommended by Manitoba Environmental Stewardship.
3. 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.
4. The Licencee shall, prior to the commencement of operation of the Development, receive approval pursuant to The Drinking Water Safety Act for final plans for the Development.
5. The Licencee shall properly train or qualify individuals to carry out the operation of the Development pursuant to the requirements of *Manitoba Regulation 77/2003* respecting *Water and Wastewater Facility Operators*, or any future amendment thereof.
6. The Licencee shall not permit the interconnection of a private water supply system with the Development.

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 one year of the completion of construction of the Development, two sets of "As Constructed" drawings.

SPECIFICATIONS, LIMITS, TERMS AND CONDITIONS

8. 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* respecting *Waste Disposal Grounds* or any future amendment thereof, or a Licence issued pursuant to The Environment Act.
9. The Licencee shall, prior to commencing construction of the Development, obtain all necessary approvals from Manitoba Infrastructure and Transportation and the Highway Traffic Board.
10. The Licencee shall notify the Historic Resources Branch not less than one month prior to commencing construction of the Development in any year in which construction occurs, in compliance with the requirements of The Heritage Resources Act. The notification shall include pipeline route locations.
11. The Licencee shall notify the Western Regional Office of Manitoba Conservation in Brandon not less than two weeks prior to commencing construction of the Development in any year in which construction occurs. The notification shall include the proposed starting date of construction and the name of the contractor responsible for the construction.
12. The Licencee shall, during construction and operation of the Development:
- a) immediately report any reportable spills to Manitoba Conservation's Incident Reporting Line at (204) 944-4888; and
 - b) provide a follow-up report to the Director on a reportable environmental incident outlining the cause(s) and proposing corrective action to prevent reoccurrence.
13. The Licencee shall, at all times during the construction of the Development, maintain materials to contain and recover spills of fuel and other fluids associated with construction machinery at construction sites.
14. The Licencee shall establish fuel storage and equipment servicing areas for the construction and operation of the Development:
- a) a minimum distance of 100 metres from any waterbody; and

- b) in compliance with the requirements of *Manitoba Regulation 188/2001* respecting *Storage and Handling of Petroleum Products and Allied Products*.
15. The Licencee shall not alter local drainage patterns by the construction of the Development, including inflows and outflows from small wetlands adjacent to the route of pipelines.
 16. The Licencee shall, during construction of the Development, implement all necessary measures to prevent the erosion of exposed soil into any waterbodies. Construction adjacent to waterbodies shall not occur during rainfall events.
 17. The Licencee shall construct waterway crossings on flowing waterways by augering, tunneling or boring. Open cut crossings on flowing waterways shall not be made unless prior consultation with Manitoba Water Stewardship and Department of Fisheries and Oceans staff has occurred and the prior written approval of the Director has been obtained. Dry or non-flowing (i.e. hydraulically unconnected to downstream flowing water) and artificial waterways may be crossed with open cut techniques where approval has been obtained where necessary from the authority responsible for the channel.
 18. The Licencee shall, where open cut stream crossing techniques are used on intermittent waterways and artificial drainage channels, not construct open cut crossings associated with the Development between April 1 and June 15 of any year.
 19. The Licencee shall construct open cut stream crossings associated with the Development in accordance with the methodologies described in the October, 2003 publication "Pipeline Associated Watercourse Crossings Third Edition", published by the Canadian Pipeline Water Crossing Committee, and the May, 1996 publication "Manitoba Stream Crossing Guidelines for the Protection of Fish and Fish Habitat", published by the Department of Fisheries and Oceans and Manitoba Natural Resources.
 20. 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.
 21. The Licencee shall not, during construction and operation of the Development, remove, destroy or disturb species listed as rare, endangered, or of special concern, or their habitats. These species are listed in *Manitoba Regulation 25/98*,

or any future amendment thereof, respecting *Threatened, Endangered and Extirpated Species* and in the federal Species at Risk Act.

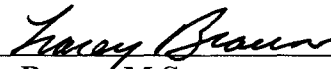
22. The Licencee shall not construct the Development in areas likely to provide bird habitat before August 1 of any year. Construction in wetland areas and riparian zones adjacent to rivers shall not occur before August 15 of any year.
23. The Licencee shall separate and replace topsoil from backhoe and trenching operations associated with the Development 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.
24. 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 inside road allowances.
25. The Licencee shall not release chlorinated water from pipeline testing and startup activities associated with the Development to a surface water body until chlorine level concentrations are equal to or less than 0.1 milligrams per litre. Releases of chlorinated water at higher concentrations may be made to vegetated land or dry waterways, provided that chlorine level concentrations have decayed to 0.1 milligrams per litre or less before the released water reaches any body of surface water.
26. The Licencee shall conduct an effluent monitoring program as described in Clauses 27 to 30 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.
27. The Licencee shall, for the duration of the effluent monitoring program, collect grab samples at locations approved by the Director in the wastewater stream:
 - a) within the water treatment plant, on a quarterly basis; and
 - b) downstream of the effluent discharge point from the retention pond constructed for filter backwash disposal, not less than twice yearly when the pond is being discharged.
28. The Licencee shall transport the grab samples collected pursuant to Clause 29 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.

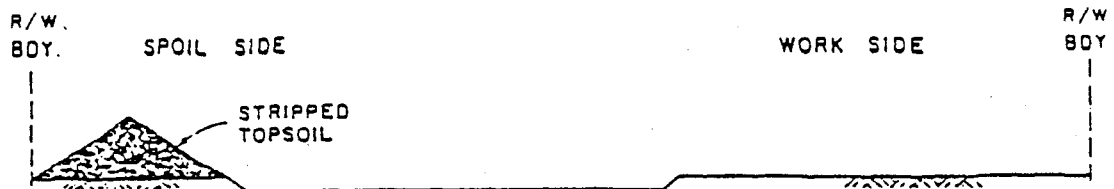
29. The Licencee shall, at an accredited laboratory, have the samples collected pursuant to Clause 28 of this Licence, analysed for the following parameters:
- a) hardness;
 - b) total dissolved solids;
 - c) iron; and
 - d) manganese.
30. The Licencee shall, not more than 30 days after the results of each analysis are available, submit the results to the Director.

REVIEW AND REVOCATION

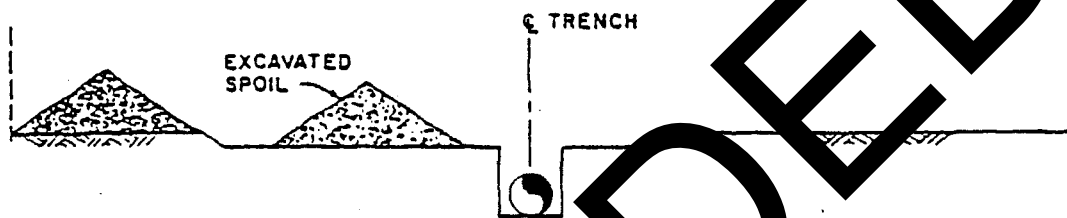
- A. If, in the opinion of the Director, the Licencee has exceeded or is exceeding or has or is failing to meet the specifications, limits, terms, or conditions set out in this Licence, the Director may, temporarily or permanently, revoke this Licence.
- B. If construction of the development has not 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.



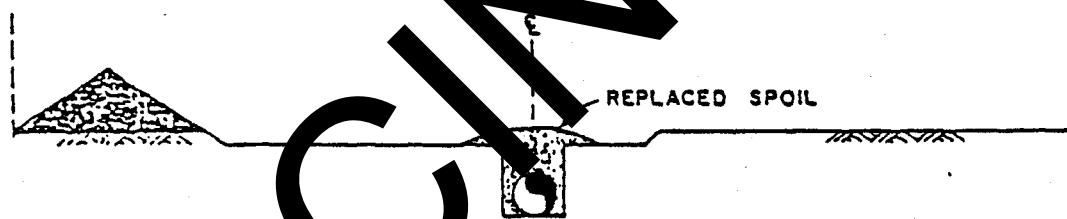
Tracey Braun, M.Sc.
Director
Environment Act



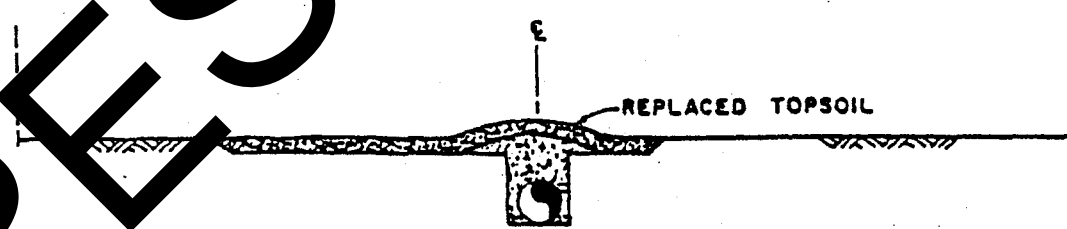
1. TOPSOIL STRIPPED



2. TRENCH EXCAVATED



TRENCH BACKFILLED

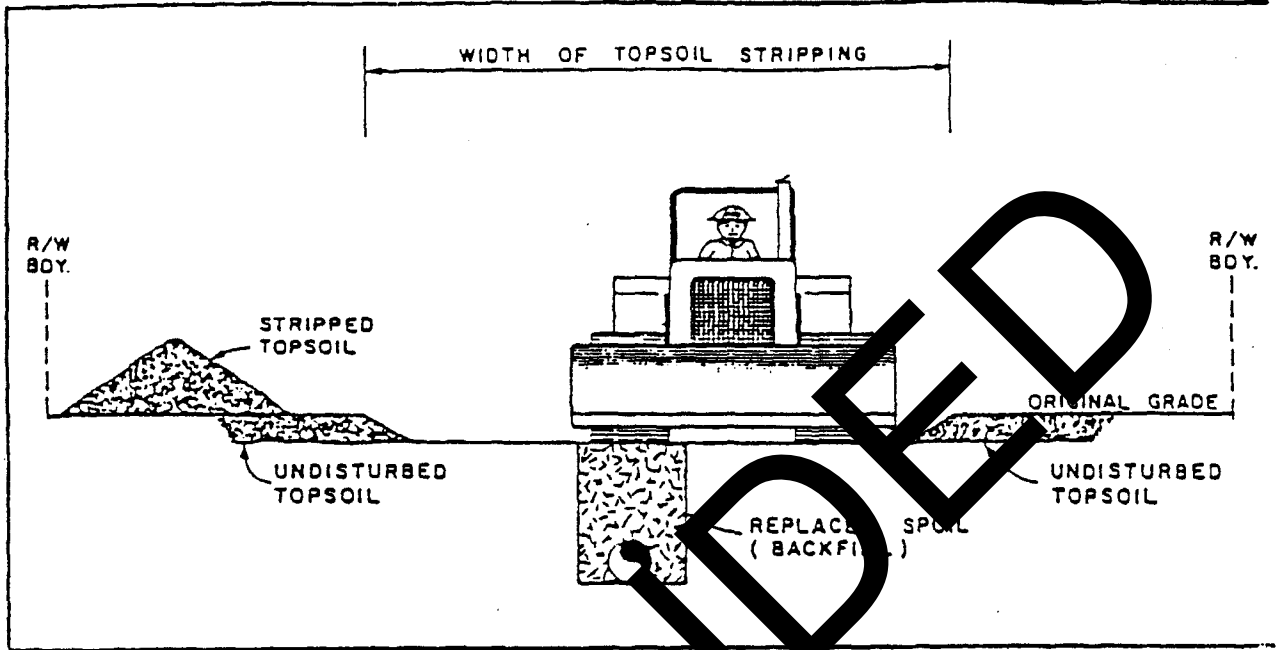


4. TOPSOIL REPLACED

SEQUENCE OF TOPSOIL HANDLING

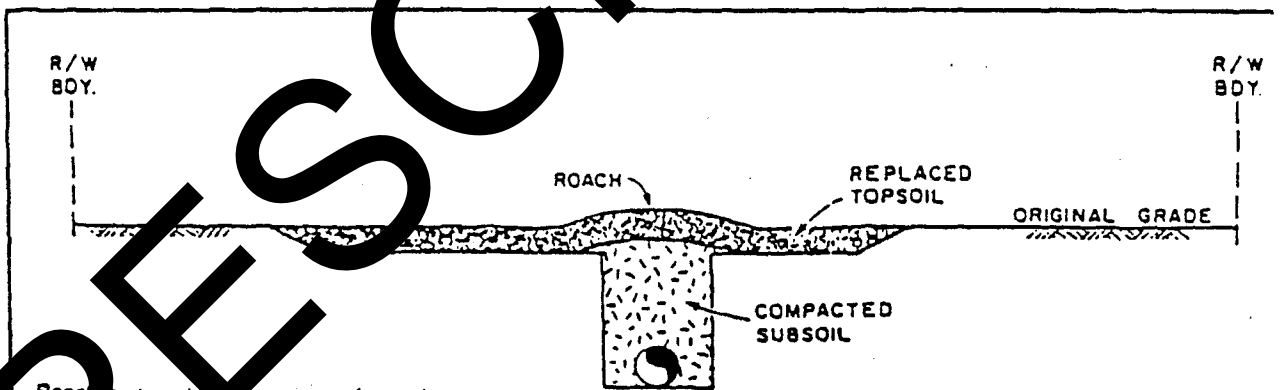
Figure 1

RESCINDED



COMPACTION & BACKFILL

Figure 2



Roach the trench to compensate for settlement and changes in natural drainage patterns. The height of the roach depends upon the degree of compaction achieved.

ROACHING THE TRENCH

Figure 3