



Conservation

Climate Change and Environmental Protection Division
Environmental Assessment and Licensing Branch
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www.gov.mb.ca/conservation/eal

CLIENT FILE NO.: 5467.00

August 25, 2010

Prachi Rajguru,
Park Infrastructure Operations Planner
Manitoba Conservation - Parks & Natural Areas
200 Saulteaux Crescent
Winnipeg MB R3J 3W3

Dear Mr. Rajguru:

Enclosed is **Environment Act Licence No. 2931** dated August 25, 2010 issued in accordance with The Environment Act to **Manitoba Conservation – Parks and Natural Areas Branch** for the construction and operation of the Development being a wastewater treatment and disposal system located in SE 32-12-15 E and serving the White Lake Campground and associated facilities in Whiteshell Provincial Park, consisting of a biofiltration treatment tank system and a lateral area bed disposal field, in accordance with the Environment Act Proposal dated May 31, 2010 and additional information dated June 10, 2010 and August 4, 2010.

In addition to the enclosed Licence requirements, please be informed 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 Diane Oertel, Environment Officer at 204-345-1486.

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.

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c: Don Labossiere, Director, Environmental Operations
D. Oertel, Environment Officer, Eastern Region
Dave Shwaluk, P. Eng., MWSB
Jerry Cousin, P. Eng, J.R Cousin Consulting
Public Registries

NOTE: Confirmation of Receipt of this Licence No. 2931 (*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 September 10, 2010.

On behalf of MB Conservation – Parks & Natural Areas Branch

Date

LICENCE

Licence No. / Licence n° 2931

Issue Date / Date de délivrance August 25, 2010

In accordance with The Manitoba 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)

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

MANITOBA CONSERVATION – PARKS AND NATURAL AREAS BRANCH;
"the Licencee"

for the construction and operation of the Development being a wastewater treatment and disposal system located in SE 32-12-15 E and serving the White Lake Campground and associated facilities in Whiteshell Provincial Park, consisting of a biofiltration treatment tank system and a lateral area bed disposal field, in accordance with the Environment Act Proposal dated May 31, 2010 and additional information dated June 10, 2010 and August 4, 2010, and subject to the following specifications, limits, terms and conditions:

DEFINITIONS

In this Licence,

"approved" means approved by the Director in writing;

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

"Director" means an employee so designated pursuant to The Environment Act;

"Environment Officer" means an employee so designated pursuant to The Environment Act;

"odour nuisance" means a continuous or repeated odour, smell or aroma, in an affected area which is offensive, obnoxious, troublesome, annoying, unpleasant or disagreeable to a person:

- a) residing in an affected area;
 - b) working in an affected area; or
 - c) present at a location in an affected area which is normally open to members of the public;
- if the odour, smell or aroma

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

- d) is the subject of at least 5 written complaints received by the Director in a form satisfactory to the Director and within a 90 day period, and from 5 different persons falling within clauses (a), (b) or (c), who do not live in the same household; or
- e) is the subject of at least one written complaint, received by the Director in a form satisfactory to the Director, from a person falling within clauses (a), (b) or (c), and the Director is of the opinion that if the odour, smell or aroma had occurred in a more densely populated area there would have been at least 5 written complaints received within a 90 day period from 5 different persons who do not live in the same household;

"septage" means the sludge produced in individual on-site wastewater disposal systems such as septic tanks or settling tanks;

"sewage" means household and commercial wastewater that contains human waste; and

"wastewater" means the spent or used water of a community or industry which contains dissolved and suspended matter.

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. In addition to any of the following specifications, limits, terms and conditions specified in this Licence, the Licencee shall, upon the request of the Director:
 - a) sample, monitor, analyze or investigate specific areas of concern regarding any segment, component or aspect of pollutant storage, containment, treatment, handling, disposal or emission systems, for such pollutants, ambient quality, and discharge or emission rates, and for such duration and at such frequencies as may be specified;
 - b) determine the environmental impact associated with the release of any pollutant from the Development; or
 - c) provide the Director, within such time as may be specified, with such reports, drawings, specifications, analytical data, descriptions of sampling and analytical procedures being used, flow rate measurements and such other information as may from time to time be requested.
2. The Licencee shall submit all information required to be provided to the Director under this Licence, in writing, in such form (including number of copies) and of such content as may be required by the Director.
3. The Licencee shall direct all wastewater generated within the White Lake Campground and associated areas toward the wastewater collection and disposal system or other approved sewage treatment facilities.

4. The Licencee shall not direct wastewater from privately owned non commercial cottages in the area to the Development.

SPECIFICATIONS, LIMITS, TERMS AND CONDITIONS

Respecting Construction:

5. The Licencee shall notify the assigned Environment Officer 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.
6. The Licencee shall arrange with the designated Environment Officer a mutually acceptable time and date for any required inspection between the 15th day of May and the 15th day of October of any year.
7. The Licencee shall:
 - a) prepare "as constructed drawings" for the wastewater treatment and disposal components of the Development and shall label the drawings "As Constructed"; and
 - b) provide to the Director, within six months of the completion of construction of the Development, two copies of the "as constructed drawings" of the wastewater disposal system.
8. The Licencee shall, during construction and operation of the Development, report spills of fuels or other contaminants to an Environment Officer in accordance with the requirements of *Manitoba Regulation 439/87* respecting *Environmental Accident Reporting* or any future amendment thereof.

Respecting Operation:

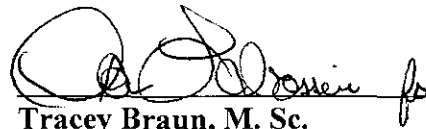
9. The Licencee shall obtain and maintain classification of the Development pursuant to *Manitoba Regulation 77/2003* respecting *Water and Wastewater Facility Operators* or any future amendment thereof and maintain compliance with all requirements of the regulation including, but not limited to, the preparation and maintenance of a Table of Organization, Emergency Response Plan and Standard Operating Procedures.
10. The Licencee shall carry out the operation of the Development with individuals properly certified to do so pursuant to *Manitoba Regulation 77/2003* respecting *Water and Wastewater Facility Operators* or any future amendment thereof.
11. The Licencee shall undertake a regular program of maintenance for the Development. This program shall include inspections to ensure that the tanks of the Development are watertight.
12. The Licencee shall not operate the wastewater treatment and disposal system earlier than May 1 or later than October 15 of any year. When the wastewater treatment and disposal system is not in operation, the Licencee shall collect wastewater in the septic tank and lift station of the

Development, and haul the wastewater to a wastewater treatment facility licensed pursuant to The Environment Act.

13. The Licencee shall dispose of septage from the septic tank and settling tanks of the Development at a wastewater treatment facility licenced pursuant to The Environment Act. Septage from the Development must be disposed of in accordance with the requirements respecting timing that apply to the licenced facility.
14. The Licencee shall, in case of physical or mechanical breakdown of the wastewater collection and/or disposal system:
 - a) notify the Director immediately;
 - b) identify the repairs required to the wastewater collection and/or disposal system; and
 - c) complete the repairs in accordance with the written instructions of the Director.
15. The Licencee shall not cause or permit an odour nuisance to be created as a result of the operation of the Development, and shall take such steps as the Director may require to eliminate or mitigate an odour nuisance.

REVIEW AND REVOCATION

- A. Environment Act Licence No. 1413 is hereby rescinded upon commissioning of the wastewater treatment and disposal system.
- 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 the Licencee has not commenced construction of the Development 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.



Tracey Braun, M. Sc.
Director
Environment Act

SUMMARY OF COMMENTS/RECOMMENDATIONS

PROPONENT: Manitoba Conservation - Parks and Natural Areas Branch
NAME OF DEVELOPMENT: White Lake Campground – Onsite Wastewater Treatment System and Disposal Field
CLASS OF DEVELOPMENT: Two
TYPE OF DEVELOPMENT: Waste Treatment – Sewage Treatment Plant
CLIENT FILE NO.: 5467.00

OVERVIEW:

The Proposal was received on June 1, 2010. It was dated May 31, 2010. The advertisement of the proposal was as follows:

“A Proposal has been filed by J. R. Cousin Consultants Ltd. on behalf of Manitoba Conservation – Parks and Natural Areas Branch for the construction and operation of a wastewater treatment and disposal system to service the White Lake Campground and adjacent facilities in Whiteshell Provincial Park. The system is proposed to consist of an existing septic tank and lift station, and new settling tanks, moving bed biological reactor units, a dosing tank, peat biofilters and a mounded disposal field. The components would work sequentially to treat and dispose of wastewater from the campground and an existing adjacent resort during the period from May to September each year. During the remainder of the year, wastewater would be trucked from the septic tank and lift station to a licensed wastewater treatment lagoon at another location. New components of the treatment system would be located over and adjacent to an existing septic field that is no longer in use and would be decommissioned. Construction of the project is proposed for the summer/fall of 2010, with operation commencing in May, 2011.”

The Proposal was advertised in the Winnipeg Free Press on Saturday, June 19, 2010. It was placed in the Main, Millennium Public Library (Winnipeg), Eco-Network, and Brokenhead Regional Library public registries. The Proposal was distributed to TAC members on June 17, 2010. The closing date for comments from members of the public and TAC members was July 20, 2010.

COMMENTS FROM THE PUBLIC:

No public comments were received.

COMMENTS FROM THE TECHNICAL ADVISORY COMMITTEE:

Manitoba Conservation – Sustainable Resource and Policy Management No concerns.

Manitoba Conservation – Environmental Operations, Eastern Region

- The Proposal indicates two different field sizes of 634 m² (page 2-12) and 840 m² (page 4 of Appendix C). Environmental Operations requests that the proponent provides clarification of the field size being proposed, along with the calculations from which the field size is derived.
- Page 4-2 (Addendum for Management Practice) indicates that the fecal coliform content of the effluent will not exceed 500 per 100 ml of sample, rather than 200 per 100 ml of sample. It is assumed that this is an error which requires correction.
- The report indicates that sand will be hauled from a local borrow area to be used as a base. It is uncertain if the sand will also be used to filter the wastewater. If so, then the proponent should specify if this sand meets ASTM C33 requirements. The report does not indicate if any testing (sieve size) will be carried out to confirm that the sand contains less than 5% fines (0.075mm particle size) as required in general standard of practice if the material is being used for filtration of wastewater.

Disposition:

Additional information was requested to address the first and third comments. The fecal coliform content had previously been confirmed by the consultant for the project. As the treatment system is not designed to discharge effluent, the fecal coliform content of the effluent is not a design consideration, and does not need to be addressed through licence conditions.

Manitoba Conservation – Parks and Natural Areas No comments.

Manitoba Conservation – Wildlife and Ecosystem Protection No concerns.

Manitoba Conservation – Air Quality Management No concern.

However, it is suggested that the more comprehensive “odour nuisance” clause be included in the EA Licence. Although odour generation will likely be minimal, the treatment components are near cottages (ex. disposal field is 20 metres from a cottage.)

Disposition:

This comment can be addressed through a licence condition. Although the 20 metre separation distance to the nearest cabin is mentioned in the Proposal, a review of

the site's location plan indicates that the separation distance is approximately 60 metres, and that the closest cabin is a rental cabin that is expected to be serviced by the Development in the future.

Manitoba Water Stewardship

- Manitoba Water Stewardship recommends an *Environment Act* Licence to include the following requirements:
 - The fecal coliform content of the effluent will achieve 200 fecal coliforms per 100 millilitres of sample to comply with the Manitoba Water Quality Standards, Objectives, and Guidelines.
 - Note: on page 4 -2 of the proposal, the fecal coliform content of the effluent is proposed to be 500 fecal coliforms per 100 millilitres of sample; this does not comply with the Manitoba Water Quality Standards, Objectives, and Guidelines.

- Manitoba Water Stewardship requests clarification for the following concerns:
 - The proposal mentions that the resort has rental cabins which are currently connected to a separate collection and holding tank system (page 2 -3). However the proposal also states that it is expected that the cabins will contribute to the proposed treatment system in the future. In the future, would the rental cabin holding tanks be decommissioned or incorporated as apart of the proposed wastewater system?
 - Due to the variable flow and the peak flow occurring in the summer months, what safety measures are in place to ensure the wastewater system does not overload?
 - If the system does overload, what contingency plans does the proponent have in place to address this problem?
 - The proposal states that during the winter season, the mound disposal system will not be accepting waste. Would this accumulation of waste during the winter season be trucked to Brereton Lake Lagoon?

- Manitoba Water Stewardship submits the following comments:
 - The Manitoba Department of Water Stewardship is mandated to ensure the sustainable development of Manitoba's water resources. Manitoba Water Stewardship is committed to the goals of: protecting aquatic ecosystem health; ensuring drinking water is safe and clean for human health; managing water-related risks for human security; and stewarding the societal and economic values of our waterways, lakes and wetlands; for the best water for all life and lasting prosperity. Manitoba Water Stewardship

achieves these goals, in part, through administering legislation, including *The Water Protection Act*, *The Water Rights Act*, and *The Water Power Act*.

- *The Water Rights Act* requires a person to obtain a valid licence to control water or construct, establish or maintain any “water control works.” “Water control works” are defined as any dyke, dam, surface or subsurface drain, drainage, improved natural waterway, canal, tunnel, bridge, culvert borehole or contrivance for carrying or conducting water, that temporarily or permanently alters or may alter the flow or level of water, including but not limited to water in a water body, by any means, including drainage, OR changes or may change the location or direction of flow of water, including but not limited to water in a water body, by any means, including drainage. If a proposal advocates any of the aforementioned activities, a person is required to submit an application for a Water Rights Licence to Construct Water Control Works. A person may contact the following Water Resource Officer to obtain an application and/or obtain information.
 - A contact person is Mr. Geoff Reimer C.E.T., Senior Water Resource Officer, Water Control Works and Drainage Licensing, Manitoba Water Stewardship, Box 4558, Stonewall, Manitoba R0C 2Z0, telephone: (204) 467-4450, email: geoff.reimer@gov.mb.ca.
- The proponent needs to be informed that if the proposal in question advocates any construction activities, erosion and sediment control measures should be implemented until all of the sites have stabilized.

Disposition:

As discussed above, the proposed Development will not discharge effluent to the environment, and so is not required to meet surface water discharge standards. With respect to the items where clarification is requested, decommissioning of unused facilities in the future can be addressed as a licence condition, as well as the disposal of wastewater during the winter period. With respect to overloading and contingency plans, if the system cannot accommodate peak loading, pumping would occur from the campground septic tank and lift station and the treatment facility settling tanks. The removed wastewater would be truck hauled to a facility with available treatment capacity. This would be addressed through licence conditions.

Manitoba Innovation, Energy and Mines, Mines Branch No concerns.

Manitoba Infrastructure and Transportation, Highway Planning and Design Branch No concerns.

Canadian Environmental Assessment Agency

The project information that was provided by Manitoba Conservation has been reviewed by the Canadian Environmental Assessment Agency (CEAA) and was shared with the following federal departments: the Department of Fisheries and Oceans, the Department of Indian and Northern Affairs, Health Canada and Environment Canada. I am enclosing copies of the relevant responses for your file. Based on the responses to the survey the application of the Canadian Environmental Assessment Act (the Act) by a federal authority may be required for this project.

The Department of Fisheries and Oceans (DFO) has not determined its interest in this project. When I receive a formal response from DFO I will inform you in writing.

Health Canada (HC) has provided a letter stating areas of expertise it has in areas related to human health. HC can provide its expertise for your review if a written request for specific information is submitted. Please see the attached copy of the letter from HC.

Disposition:

DFO comments will be reviewed when provided.

ADDITIONAL INFORMATION:

Additional information was requested on July 29, 2010 to address TAC comments. The attached response was received on August 4, 2010. The response satisfactorily provides the requested information. In discussing decommissioning of holding tanks made redundant by the Development, the consultant indicated that rental cottage holding tanks would not be connected to the Development for the foreseeable future. Temporary above ground holding tanks being used until the Development is constructed would be emptied to a licensed wastewater treatment facility and disconnected from the wastewater collection system. As a result, no further direction on decommissioning for holding tanks will be provided in the licence.

PUBLIC HEARING:

As no requests for a public hearing were made, a public hearing is not recommended.

RECOMMENDATION:

All comments received on the Proposal that require follow-up have been addressed through additional information or as licence conditions. Therefore, it is recommended that the Development be licensed under The Environment Act subject to the limits, terms and conditions as described on the attached Draft Environment Act Licence. It is further recommended that enforcement of the Licence be retained by the

Environmental Assessment and Licensing Branch until construction is completed. Enforcement can then be transferred to the Eastern Region of Environmental Operations.

Environment Act Licence No. 1413, which regulates the existing wastewater treatment facility at this location, should be rescinded upon the commissioning of the new facility.

PREPARED BY:

Bruce Webb, P. Eng.
Environmental Assessment and Licensing - Environmental Land Use Section
(for Municipal, Industrial and Hazardous Waste Section)
August 6, 2010 updated August 19, 2010

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