



Conservation and Climate
Environmental Stewardship Division
Environmental Approvals Branch
1007 Century Street, Winnipeg Manitoba R3H 0W4
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www.gov.mb.ca/sd

FILE NO.: 5718.00

July 13, 2020

Joseph Isfjord and Kimberley Dawn Isfjord
212 Tom Prince Drive
Petersfield, Manitoba
R0C 2L0

Dear Joseph Isfjord and Kimberley Dawn Isfjord:

Enclosed is Environment Act Licence No. **3331** dated July 13, 2020, issued to **Joseph Isfjord and Kimberley Dawn Isfjord** for the construction, operation, and maintenance of the Development being a wastewater management system located within SE 23-15-4 EPM in the Rural Municipality of St. Andrews in accordance with the Proposal filed under The Environment Act.

Note that the Forestry and Peatlands Branch provided the following comments with respect to activities associated with construction of the Development:

- Trees identified as Elm must be disposed of properly;
- Be aware of the Forest Health Protection Regulation (http://web2.gov.mb.ca/laws/regs/current/_pdf-regs.php?reg=87/2009); and
- In order to lessen the spread of forest insects and diseases, limit the movement of wood cleared from the site.

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. A Notice of Alteration must be filed with the Director for approval prior to any alteration to the Development as licensed.

For further information on the administration and application of the Licence, please feel free to contact Kurt Dorward, Environment Officer, at (204) 785-0296.

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 and Climate within 30 days of the date of the Licence.

Yours truly,

Originally Signed By

Shannon Kohler
Director
The Environment Act

cc: Kristal Harman/Peter Crocker/Nada Suresh/Kurt Dorward: Environmental Compliance and Enforcement
Glen Newton, P. Eng.: G. D. Newton and Associates Inc.
Public Registries

File No.: 5718.00

Licence No. / Licence n° 3331

Issue Date / Date de délivrance July 13, 2020

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 Sections 10(1) / Conformément au Paragraphe 10(1)

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

JOSEPH ISFJORD AND KIMBERLEY DAWN ISFJORD "the Licencee"

for the construction and operation of the Development being a wastewater collection system involving the installation and operation of two 45,000 litre holding tanks and the continuing operation of an existing wastewater collection system, holding tanks, and septic tank and field system at Chesley's Resort located within SE 23-15-4 EPM in the Rural Municipality of St. Andrews and with the collected and stored wastewater in the holding tanks at the Resort pumped out and trucked by licensed haulers to the Rural Municipality of St. Andrews wastewater treatment lagoon or an alternative wastewater treatment facility operating under an Environment Act Licence, in accordance with the Proposal filed pursuant to The Environment Act on August 21, 2019 and subject to the following specifications, limits, terms and conditions:

DEFINITIONS

In this Licence,

"**accredited laboratory**" means an analytical facility accredited by the Standards Council of Canada (SCC), or accredited by another accrediting agency recognized by Manitoba Conservation and Climate to be equivalent to the SCC, or 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;

"**affected area**" means a geographical area, excluding the property of the development;

"**Approvals Branch**" means the Environmental Approvals Branch of Manitoba Conservation and Climate, or any future branch responsible for issuing licences under The Environment Act;

"**approved**" means approved by the Director or assigned Environment Officer in writing;

"**appurtenances**" means machinery, appliances, or auxiliary structures attached to a main structure to enable it to function, but not considered an integral part of it;

"**bioassay**" means a method of determining toxic effects of industrial wastes and other wastewaters by using viable organisms;

"**day**" means any 24-hour period;

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

"**effluent**" means treated wastewater flowing or pumped out of the wastewater treatment plant;

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

"**fecal coliform**" means aerobic and facultative, Gram-negative, nonspore-forming, rod-shaped bacteria capable of growth at 44.5°C, and associated with fecal matter of warm-blooded animals;

"**five-day biochemical oxygen demand (BOD₅)**" means that part of oxygen usually associated with biochemical oxidation of organic material within 5 days at a temperature of 20°C;

"**five-day carbonaceous biochemical oxygen demand (CBOD₅)**" means that part of the oxygen demand usually associated with biochemical oxidation of carbonaceous organic matter within 5 days at a temperature of 20°C, excluding BOD associated with nitrogenous organic matter;

"**greywater**" means liquid waste from a dwelling or other building produced by bathing, laundering, or food preparation activities or from drainage associated with these sources and specifically excluding wastewater and septage;

"**holding tank**" means a watertight receptacle, conforming to the requirements of the latest edition of Canadian Standards Association (Association) Standard B66-10, *Prefabricated Septic Tanks and Sewage Holding Tanks*, and bearing a valid stamp or mark indicating certification by the Association, designed to retain wastewater, greywater or wastewater effluent;

"**influent**" means water, wastewater, or other liquid flowing into the wastewater treatment plant;

"**MPN index**" means the most probable number of coliform organisms in a given volume of wastewater or effluent which, in accordance with statistical theory would yield the observed test result with the greatest frequency;

"**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
- 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, 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;

"onsite wastewater system" means the septic tank and field system;

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

"Resort" means Chesley's Resort;

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

"service agreement" means an agreement to discharge wastewater to municipal wastewater treatment facilities;

"sludge" means accumulated solid material containing large amounts of entrained water, which has separated from wastewater during processing;

"sludge solids" means solids in sludge;

"Standard Methods for the Examination of Water and Wastewater" means the most recent edition of Standard Methods for the Examination of Water and Wastewater published jointly by the American Public Health Association, the American Waterworks Association and the Water Environment Federation;

"total coliform" means a group of aerobic and facultative anaerobic, Gram-negative, non-spore forming, rod-shaped bacteria, that ferment lactose with gas and acid formation within 48 hours at 35°C and inhabit predominantly the intestines of man or animals, but are occasionally found elsewhere, and include the sub-group of fecal coliform bacteria;

"total residual chlorine" means the sum of free chlorine and combined chlorine, including inorganic chloramines;

"waste disposal ground" means an area of land designated by a person, municipality, provincial government agency, or crown corporation for the disposal of waste and approved for use in accordance with Manitoba Regulation 37/2016 – Waste Management Facilities, or any future amendments thereto, or a Licence pursuant to The Environment Act;

"waste solid" means a dissolved, suspended, or volatile substance that is contained in or removed from wastewater and that can no longer be used for its original purpose;

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

"wastewater collection system" means the sewer and pumping system used for the collection and conveyance of domestic, commercial and industrial wastewater; and

"wastewater management system" means the wastewater collection systems and the wastewater holding tanks and onsite wastewater system.

GENERAL SPECIFICATIONS

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.

Respecting Operation

1. The Licencee shall operate and maintain the wastewater management system in such a manner that:
 - a) all wastewater generated at the Resort and that is to be disposed of at the Resort is directed toward the wastewater management system; and
 - b) only wastewater as defined in this Licence is discharged into the wastewater management system.

2. 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, handling, treatment and disposal systems, for such pollutants, ambient quality, aquatic toxicity, seepage characteristics and discharge rates and for such duration and frequencies as may be specified;
 - b) determine the environmental impact associated with the release of any pollutant 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, bioassay data, flow rate measurements and such other information as may from time to time be requested.

3. The Licencee shall, unless otherwise specified in this Licence:
 - a) carry out all preservations and analyses of liquid samples in accordance with the methods prescribed in the Standard Methods for the Examination of Water and Wastewater or in accordance with equivalent preservation and analytical methodologies approved by the Director;
 - b) carry out all sampling of, and preservation and analyses on, soil, compost, and air samples in accordance with methodologies approved by the Director;
 - c) have all analytical determinations undertaken by an accredited laboratory; and
 - d) report the results to the Director, in writing and in an electronic format acceptable to the Director, within 60 days of the samples being taken.

4. The Licencee shall not spill, or allow to be spilled, wastewater and/or septage in the areas around the various components of the wastewater management system.
5. The Licencee shall operate and maintain the wastewater management system such that:
 - a) septage is not discharged into the wastewater management system; and
 - b) it effectively provides the service for which it was designed.
6. The Licencee shall install, operate and maintain the wastewater management system such that freezing of wastewater in the system is prevented.
7. The Licencee shall have wastewater pumped and hauled from the holding tank systems of the wastewater management system by haulers registered, or who are employed by haulers registered, in accordance with Schedule G of Manitoba Regulation 83/2003 respecting Onsite Wastewater Management Systems or any future amendment thereof.
8. The Licencee shall not cause or permit an odour nuisance to be created as a result of the construction, operation or alteration of the Development, and shall take such steps as the Director may require to eliminate or mitigate an odour nuisance.

Retain Copy of Licence

9. The Licencee shall at all times maintain a copy of this licence at the Development or at the premises from which the Development’s operations are managed.

Reporting Format

10. The Licencee shall submit all information required to be provided to the Director or Environment Officer under this Licence, in writing, in such form (including number of copies), and of such content as may be required by the Director or Environment Officer, and each submission shall be clearly labelled with the Licence Number and Manitoba Conservation and Climate’s File Number associated with this Licence.

Respecting Compliance with Other Acts and Regulations

11. The Licencee shall comply with the requirements of The Heritage Resources Act and, if heritage resources are encountered during the construction of the Development, suspend construction and immediately notify the Historic Resources Branch.
12. The Licencee shall obtain all necessary provincial and federal permits and approvals for construction of relevant components of the Development prior to commencement of construction.

SPECIFICATIONS, LIMITS, TERMS AND CONDITIONS

Respecting Construction - General

13. The Licencee shall notify the assigned Environment Officer prior to beginning construction of and upgrades to the wastewater management system. Each notification shall include the intended starting date(s) of construction and the name(s) of the Licencee’s contact person(s) at the construction site.
14. The Licencee shall arrange with the designated Environment Officer a mutually acceptable time and date for any required inspections between the 1st day of May and the 15th day of October of any year.
15. The Licencee shall not cover the various components of the 45,000 litre wastewater holding tanks of the wastewater management system in a manner that obscures it from view or interferes with inspection of these holding tanks until receiving approval from the assigned Environment Officer.
16. The Licencee shall:
 - a) conduct all ditch related work activities during no flow or dry conditions and not during the April 1 to June 15 fish spawning and incubation period;
 - b) not construct the wastewater collection and holding tank system during periods of heavy rain;
 - c) place and/or isolate all dredged and construction material where it will not erode into any watercourse;
 - d) implement effective long-term sediment and erosion control measures to prevent soil-laden runoff, and/or silt from entering any watercourse during construction and until vegetation is established; and
 - e) routinely inspect all erosion and sediment control structures and immediately complete any necessary maintenance or repair.
17. The Licencee shall locate fuel storage and equipment servicing areas established for the construction of the Development a minimum distance of 100 metres from any waterbody, and shall comply with the requirements of Manitoba Regulation 188/2001 respecting Storage and Handling of Petroleum and Allied Products or any future amendment thereof.
18. The Licencee shall undertake a regular program of maintenance for the wastewater collection and holding tank system that includes inspections to assess the integrity of the wastewater collection system and to determine if the holding tank components are watertight.
19. The Licencee shall construct and maintain all-weather access roads to the wastewater holding tanks of the wastewater management system.

Respecting Operation – General

20. 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.
21. 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.
22. The Licencee shall, prior to approved commissioning of the two 45,000 litre holding tanks of the Development, enter into and maintain a service agreement(s) with a service provider(s) for receiving and providing treatment of the wastewater from the holding tanks of this Development at an off-site wastewater treatment facility operating under the authority of a Licence issued under The Environment Act.
23. The Licencee shall commission the two 45,000 litre holding tanks of the Development within one year of the date of this Licence.
24. The Licencee shall undertake a regular program of maintenance for the Development, including inspections to ensure that all tanks are watertight.

Security and Safety

25. The Licencee shall install and maintain a security fence around all components of the Development that are not buried or enclosed within secured buildings.
26. The Licencee shall install and maintain lockable access covers for the holding tank and septic tank access points that shall remain locked at all times that access to the holding tanks and septic tanks is not required for normal operation or servicing of these components of the wastewater management system.

Operation – Loading Rates

27. The Licencee shall operate and maintain the wastewater collection and holding tank system in such a manner that:
 - a) the maximum daily flow rate is not in excess of 67.32 cubic metres over any 24-hour period; and
 - b) the release of offensive odours is minimized.

Operation – Septic Field

28. The Licencee shall operate and maintain the Development in such a manner that the maximum daily flow rate of wastewater effluent to the engineered wastewater effluent disposal field serving the lodge is not in excess of 10.1 cubic metres over any 24-hour period.

29. The Licencee shall install, operate and maintain the wastewater effluent disposal field of the Development such that effluent is discharged through the disposal fields with no surface breakout.

MONITORING AND REPORTING SPECIFICATIONS

General

30. The Licencee shall monitor, and make the records of such monitoring available to the Director as may be requested, the wastewater management system for the following parameters:
 - a) total flow rate(s) into the wastewater collection and holding tank system;
 - b) total flow rate(s) into the wastewater collection and septic tank and field system; and
 - c) other process parameters approved or required by the Director.
31. The Licencee shall maintain a record of all wastewater pumped out and hauled from the holding tank system, including the number of loads on a daily and weekly basis, the volume of each load, the name of the hauler, and the name and location of the licenced wastewater treatment facility to which the wastewater was transferred for treatment.

Respecting Records Maintenance and Reporting

32. The Licencee shall during each year maintain the following records and retain them for a minimum period of five calendar years:
 - a) reports of visual inspections conducted at a minimum of once per month;
 - b) maintenance and repairs;
 - c) expansions to the wastewater collection system with associated capacity assessment;
 - d) updated organization charts identifying all certified operators, including backup operators; and
 - e) a summary of any sanitary sewer overflows.
33. The Licencee shall submit an annual report to the Environment Officer by February 28 of the following year including all records required by Clause 32 of this Licence.

Respecting Breakdown or Process Upset Reporting

34. The Licencee shall, in the case of physical or mechanical equipment breakdown or process upset where such breakdown or process upset results or may result in the release of a pollutant in an amount or concentration, or at a level or rate of release, that causes or may cause a significant adverse effect, immediately report the event by calling the 24-hour environmental accident reporting line at 204-944-4888 (toll-free 1-855-944-4888). The report shall indicate the nature of the event, the time and estimated duration of the event and the reason for the event.
35. The Licencee shall, following the reporting of an event pursuant to Clause 34:
 - a) identify the repairs required to the mechanical equipment;
 - b) undertake all repairs to minimize unauthorized discharges of a pollutant;

- c) complete the repairs in accordance with any written instructions of the Director; and
- d) submit a report to the Director about the causes of breakdown and measures taken, within one week of the repairs being done.

Respecting Record Drawings

36. The Licencee shall:
- a) prepare "record drawings" for the Development and shall label the drawings "record drawings"; and
 - b) provide to the Director, within six months of commissioning of the Development, two sets of "record drawings" of the Development.

Respecting Alterations

37. The Licencee shall notify the Director and receive approval for any alterations to the Development as licensed, prior to proceeding with such alterations.

DECOMMISSIONING OF WASTEWATER POND

38. The Licencee shall, upon approved commissioning of the two 45,000 litre holding tanks of the Development that will replace the previously existing wastewater pond, not direct any water or wastewater to the wastewater pond.
39. The Licencee shall, to the satisfaction of the assigned Environment Officer and within two months of commissioning the two 45,000 litre holding tanks of the Development that will replace the previously existing wastewater pond:
- a) transfer the wastewater contained in the previously existing wastewater pond to a wastewater treatment facility Licenced pursuant to The Environment Act;
 - b) transfer any residual sludge solids contained in the previously existing wastewater pond to a waste disposal ground; and
 - c) level the site to the original grade.

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, 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.

Originally Signed By

Shannon Kohler
Director
The Environment Act