



Conservation and Water Stewardship

Environmental Stewardship Division
Environmental Approvals Branch
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CLIENT FILE NO.: 5668.00

January 15, 2014

Gary Hauser, General Manager
PTI Group Inc. - Camp Installations
101 Stony Plain Road
Edmonton, AB T5S 1K6

Dear Mr. Hauser :

Enclosed is **Environment Act Licence No. 3084** dated January 15, 2014 issued to the **PTI Group Inc.** for the construction and operation of the Development being a wastewater collection and holding tank system with a hydraulic storage capacity of 66.3 m³/day, located on the NW1/4 SEC 6, TWP 4, RGE 26 WPM, LOT 2, Block 1, Plan 728, to service the Melita temporary construction camp and with transfer of wastewater from the wastewater holding tank system by licensed haulers to wastewater treatment facilities operating under Environment Act licences in accordance with the proposal filed under *The Environment Act* on July 29, 2013 and subsequent information provided on November 6, 2013 and December 2, 2013.

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 Rafiqul Chowdhury, Environmental Engineer at 204-945-2614.

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 Water Stewardship within 30 days of the date of the Licence.

Yours truly,

“original signed by”

Tracey Braun, M.Sc.
Director
Environment Act

c: Don Labossiere, Director, Environmental Compliance and Enforcement
Public Registries, Daniel Burns, P.Eng., BMEC – (via email)

NOTE: Confirmation of Receipt of this Licence No. 3084 (by the Licensee only) is required by the Director of Environmental Approvals. Please acknowledge receipt by signing in the space provided below and faxing a copy (letter only) to the Department by January 29, 2014.

On behalf of the PTI Group Inc.

Date

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

LICENCE

Licence No. / Licence n° 3084

Issue Date / Date de délivrance January 15, 2014

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:

PTI PREMIUM CAMP SERVICES LTD.:
"the Licencee"

for the construction and operation of the Development being a wastewater collection and holding tank system with a hydraulic storage capacity of 66.3 m³/day, located on the NW1/4 SEC 6, TWP 4, RGE 26 WPM, LOT 2, Block 1, Plan 728, to service the Melita temporary construction camp and with transfer of wastewater from the wastewater holding tank system by licensed haulers to wastewater treatment facilities operating under Environment Act Licences in accordance with the proposal filed under *The Environment Act* on July 29, 2013 and subsequent information provided on November 6, 2013 and December 2, 2013 and subject to the following specifications, limits, terms and conditions:

DEFINITIONS

In this Licence,

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

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

"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*;

"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 sewage and septage;

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

"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 unwanted 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.

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

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

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

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

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

"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;

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

"wastewater effluent" means wastewater after it has undergone at least one form of physical, chemical or biological treatment.

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 direct all sewage generated within the PTI Work Camp toward the wastewater collection and holding tank system or other approved sewage treatment facilities.
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, treatment, handling, disposal or emission systems, for such pollutants, ambient quality, aquatic toxicity, leachate characteristics 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, bioassay data, flow rate measurements and such other information as may from time to time be requested.

3. 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 Client File Number associated with this Licence.
4. 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.
5. 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 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.
6. The Licencee shall, following the reporting of an event pursuant to Clause 5,
 - 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.
7. The Licencee shall, prior to commencing use of the wastewater holding tank system, enter into a service agreement(s) with a service provider(s) for receiving and providing treatment of the sewage and 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*.
8. The Licencee shall, during construction of the wastewater collection and holding tank system, operate, maintain and store all materials and equipment in a manner that prevents any deleterious substances (fuel, oil, grease, hydraulic fluids, coolant, paint, uncured concrete and concrete wash water, etc.) from entering any wastewater treatment facility or watercourse, and have an emergency spill kit for in-water use available on-site during construction.
9. The Licencee shall not spill, or allow to be spilled, sewage or wastewater in the areas around the wastewater collection and holding tank system.

10. The Licencee shall have sewage and wastewater pumped and hauled from the holding tank 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.

SPECIFICATIONS, LIMITS, TERMS AND CONDITIONS

Respecting Construction - General

11. The Licencee shall notify the assigned Environment Officer not less than two weeks prior to beginning construction of the wastewater collection and holding tank system. The notification shall include the intended starting date of construction and the name of the Licencee's contact person at the construction site.
12. 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, unless otherwise approved by the Environment Officer.
13. The Licencee shall not cover the various components of the wastewater holding tank system in a manner that obscures it from view or interferes with inspection of the holding tanks until receiving approval from the assigned Environment Officer.
14. 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;
 - e) routinely inspect all erosion and sediment control structures and immediately complete any necessary maintenance or repair; and
 - f) vegetate any disturbed areas by planting and seeding preferably native trees, shrubs or grasses and cover such areas with mulch to prevent soil erosion and to help seeds germinate.

15. The Licencee shall locate all fuel storage and equipment servicing areas established for the construction and operation 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 Products and Allied Products* or any future amendment thereof.
16. The Licencee shall install and maintain lockable access covers for the child proof lid and hose accesses for the holding tanks that shall remain locked at all times access to the holding tanks is not required for normal operation or servicing of the holding tank components of the system.
17. 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.
18. The Licencee shall construct and maintain an all-weather access road to the wastewater holding tank system.

Respecting Operation and Maintenance

19. 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.
20. 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.
21. The Licencee shall operate the wastewater collection and holding tank system in such a manner that:
 - a) all sewage and wastewater generated at the construction camp that is to be disposed of at the construction camp is directed toward the wastewater collection and holding tank system via the gravity sewer system; and
 - b) only sewage and wastewater as defined in this Licence is discharged into the wastewater collection and holding tank system.
22. 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.
23. The Licencee shall install, operate and maintain the wastewater collection and holding tank system such that freezing of wastewater in the system is prevented.

24. The Licencee shall operate and maintain the wastewater collection and holding tank system such that:
 - a) septage is not discharged into the wastewater collection and holding tank system; and
 - b) it effectively provides the service for which it was designed.
25. The Licencee shall operate and maintain the wastewater collection and holding tank system in such a manner that the maximum daily flow rate is not in excess of 66.3 cubic metres over any 24-hour period; and

MONITORING AND REPORTING SPECIFICATIONS

26. The Licencee shall, unless otherwise specified in this Licence:
 - a) carry out all preservations and analyses on 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) have all analytical determinations undertaken by an accredited laboratory; and
 - c) 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.
27. The Licencee shall monitor, and make the records of such monitoring available to the Director as may be requested, the wastewater collection and holding tank system for the following parameters:
 - a) total flow rate(s) into the wastewater collection and holding tank system; and
 - b) other process parameters approved or required by the Director.
28. 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 licensed wastewater treatment facility to which the wastewater was transferred for treatment. The Licencee shall retain this record and provide to an Environment Officer upon request.
29. 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 the Environment Officer's authorization required by Clause 13 of this Licence, two electronic copies of the "record drawings".

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 the Licencee has not commenced construction of the Development 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”

Tracey Braun, M.Sc.
Director
Environment Act

FILE No.: 5668.00