

# Environment Act Licence Loi sur l'environnement Licence

Manitoba  
Conservation  
Conservation  
Manitoba



Licence No./Licence n° 2719

Issue Date/Date de délivrance March 28, 2006

IN ACCORDANCE WITH THE MANITOBA ENVIRONMENT ACT (C.C.S.M. c. E125)  
THIS LICENCE IS ISSUED PURSUANT TO SECTION 10(1) TO:

TRANSCONTINENTAL PRINTING 2003 INC.; "the Licence"

for the operation of the Development being a printing and binding facility, located at 737 Moray Street, in the City of Winnipeg, in accordance with the Proposal dated January 13, 2005, and the supplemental information dated May 19, 2005, 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 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 in writing;

"**boiler**" means any combustion equipment fired with fossil fuel, biomass or a by-product derived from fossil fuel, for the purpose of generating hot water or steam;

"**CCME**" means Canadian Council of Minister of the Environment;

"**dangerous goods**" means any product, substance or organism designated in the regulations, or conforming with the criteria set out in the regulations, or in any regulation

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

adopted in accordance with The Dangerous Goods Handling and Transportation Act, and includes hazardous wastes;

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

**"heater"** means any combustion equipment fired with fossil fuel, or a by-product derived from fossil fuel, for the purpose of transferring heat directly or indirectly to material being processed, excluding equipment that comes under the definition of a "boiler";

**"noise nuisance"** means a continuous or repeated noise 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 the members of the public;

if the noise

- 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;

**"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 the 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;

**"opacity"** means the degree to which emissions reduce the transmission of light and obscure the view of an object in the background;

**"particulate matter"** means any finely divided liquid or solid matter other than water droplets;

"**particulate residue**" means that part or portion of an atmospheric emission which is deposited onto a surface;

"**point source**" means any point of emission from the Development where pollutants are emitted to the atmosphere by means of a stack;

"**QA/QC**" means quality assurance/quality control;

"**stack**" means a duct, pipe, chimney, vent, opening or other structure through which pollutants are emitted to the atmosphere;

"**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;

"**VOC**" means volatile organic compound; and

"**Volatile Organic Compound**" means any organic substance, mixture of organic substances, or the organic components of any mixture of organic and inorganic substances which may evaporate and become airborne during storage, handling or use. Methane, carbon monoxide, carbon dioxide, carbonic acid, metallic carbides and carbonates, and ammonium carbonate are exempt from this definition as well as other substances so designated by the Director.

### 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 implement a high standard of equipment maintenance and good housekeeping and operational practices with respect to the Development, at all times.
2. The Licencee shall reduce the production and dissemination of wastes by initiating and maintaining waste reduction and waste recycling programs.

3. The Licencee shall, upon the request of the Director and in addition to any of the limits, terms or conditions specified in this Licence:
  - a) sample, monitor, analyze and/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 or ambient quality, aquatic toxicity, leachate characteristics and discharge or emission rates, 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; 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.
4. 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 most current edition of 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 and air samples in accordance with methodologies approved by the Director;
  - c) ensure that all analytical determinations are undertaken by an accredited laboratory; and
  - d) report the results to the Director within 60 days of the samples being taken.
5. The Licencee shall provide to the Director, upon request, all information required under this Licence, in writing and in such form and content (including number of copies), as may be specified by the Director.
6. The Licencee shall obtain approval in writing from the Director for any proposed alteration to the facility before proceeding with the alteration.

### LIMITS, TERMS AND CONDITIONS

#### Respecting Air Emissions – Limits

7. The Licencee shall not emit from the Development:
  - a) particulate matter in any air emission that:



- i) exceeds 0.23 grams per dry standard cubic metre calculated at 25 degrees Celsius and 760 millimetres of mercury, corrected to 12 percent carbon dioxide for processes involving combustion, from any point source of the Development;
    - ii) exhibits a visible plume with an opacity of greater than 5 percent at any point beyond the property line of the Development; or
    - iii) results in the deposition of visible particulate residue at any time beyond the property line of the Development; or
  - b) particulate matter from any point source with an opacity that equals or exceeds:
    - i) 20 percent as the average of any 24 consecutive opacity observations taken at 15 second intervals;
    - ii) 20 percent for more than 16 individual opacity observations within any 1 hour period; or
    - iii) 40 percent for any individual opacity observation.
8. The Licencee shall not cause or permit a noise 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 a noise nuisance.
9. 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.

**Respecting Air Emissions – Sampling, Analysis, Reporting**

10. The Licencee, upon written request from the Director, shall provide a stack or stacks including all necessary sampling facilities for the sampling of air emissions at the Development. The stack or stacks shall be provided:
- a) at a location(s) and within a time frame satisfactory to the Director; and
  - b) to the specifications and in accordance with the most recent version of Manitoba Conservation Guideline, *Guideline for Stack Sampling Facilities*, unless otherwise approved by the Director.
11. The Licencee, upon a written request from the Director, shall submit a detailed plan which is acceptable to and approved by the Director, for the sampling and analysis of potential air pollutants, released as stationary point and fugitive emissions, including any compounds determined by the Director. The plan shall identify the rationale for the sampling, the ways and means by which the sampling program will be implemented including any special measures or methods which would be

necessitated by influencing factors such as unfavourable weather conditions, the need for large or additional sample volumes, the need for multiple sampling runs, the methods used for the sampling and the analysis for each compound, the detection level to be attained, a comprehensive QA/QC program, and other items as may be identified by the Director.

12. The Licencee shall perform all stack sampling in accordance with the most recent version of Manitoba Conservation Report No. 96-07, *Interim Stack Sampling Performance Protocol*, unless otherwise approved by the Director.
13. The Licencee shall arrange the scheduling of the sampling program submitted pursuant to Clause 10 of this Licence such that a representative of Manitoba Conservation is available to monitor and audit the implementation of the sampling program.
14. The Licencee shall complete the sampling of emissions according to the approved plan submitted pursuant to Clause 10 of this Licence, within a timeframe to be determined by the Director.
15. The Licencee shall submit a report, for the approval of the Director, of the completed sampling and analysis plan approved pursuant to Clause 10 of this Licence, within 60 days of the receipt of the analytical results of that sampling plan. The report shall contain at minimum:
  - a) the raw data collected;
  - b) a discussion of the sampling and analytical portions of the program including any anomalies of sampling and analysis; and
  - c) a discussion of the significance of the data gathered with specific attention to:
    - i) the significance for potential acute and chronic impacts to health or environment from exposure to concentrations of the compounds detected;
    - ii) the need for risk assessment of the impact of emissions;
    - iii) the need for the establishment of ambient air monitoring stations;
    - iv) the need for dispersion modeling of emissions;
    - v) results and conclusions of the QA/QC program; and
    - vi) other issues as may be determined by the Director.
16. The Licencee, upon the written request of and in a timeframe stipulated by the Director, shall comply with any air emission or ambient air quality criteria specified by the Director for any pollutant of concern to the Director which has been identified pursuant to Clause 10 of this Licence.

**Respecting Air Emissions – Emission Controls**

17. The Licencee shall not allow any emissions from the printing presses to by-pass the afterburners.
18. The Licencee shall not operate the printing presses when the afterburners are not in operation.
19. The Licencee shall not operate the afterburners when the catalyst beds are not in conformance with design specifications.
20. The Licencee shall carry out regular preventative maintenance programmes on each afterburner and operate each afterburner in accordance with the manufacturer's maintenance requirements.
21. The Licencee shall not operate the bindery machines and printing presses when the baghouse(s) are not in operation.
22. Notwithstanding Clause 21 of this Licence, the Licencee may operate the printing presses when the baghouses are not in operation if there is no trimming being carried out at the printing press.
23. The Licencee shall carry out regular preventative maintenance programmes on each baghouse and operate each baghouse in accordance with the manufacturer's maintenance requirements.

**Respecting Record Keeping and Reporting**

24. The Licencee shall submit to the Director, by June 1<sup>st</sup> of each year, and beginning in 2007, an annual report containing the following information:
  - a) a detailed identification and description of all measures including but not limited to: operational or material modifications; equipment upgrades; process modifications; emission control technologies; etc., that have been implemented in the reporting period to reduce the emissions of VOCs, and an estimated quantification of the emissions reduction from each measure which has been implemented;
  - b) a detailed identification and description of all proposed measures including: operational or material modifications; equipment upgrades; process modifications; emission control technologies; etc., that are intended to reduce VOC emissions and are to be initiated within the next reporting period; and

- c) a written report containing all necessary information regarding the operation of the Development over the reporting period such that the Director can determine that the Licencee is in compliance with the applicable environmental codes of practice contained in the most current edition of CCME Management Plan Initiatives V308 and V613, "*Environmental Code of Practice for the Reduction of Volatile Organic Compound Emissions from the Commercial/Industrial Printing Industry*".

**Respecting The Operation of Boilers And Heaters**

25. The Licencee, shall operate new or upgraded boilers or heaters, in compliance with the appropriate emission limits for nitrogen oxides and carbon monoxide contained in the most recent edition of the Canadian Council of Ministers of the Environment publication entitled "*National Emission Guideline For Commercial/Industrial Boilers And Heaters - Initiative N306*".

**Respecting Chemical Storage and Spill Containment**

26. The Licencee shall comply with all the applicable requirements of:
- a) Manitoba Regulation 188/2001, or any future amendment thereof, respecting the *Storage and Handling of Petroleum Products and Allied Products*;
  - b) The Dangerous Goods Handling and Transportation Act, and regulations issued thereunder, respecting the handling, transport, storage and disposal of any dangerous goods brought onto or generated at the Development; and
  - c) the Office of the Fire Commissioner – Province of Manitoba.
27. The Licencee shall immediately report all spills of dangerous goods in excess of 100 litres at the Development to the 24 hour emergency response line at Manitoba Conservation at (204) 944-4888.
28. The Licencee shall report within one working day all spills of dangerous goods in excess of 5 litres but less than 100 litres at the Development to the Winnipeg office of Manitoba Conservation at (204) 945-7100.
29. The Licencee shall properly equip the facility with spill cleanup equipment and supplies.



**Respecting Solid Waste**


30. The Licencee shall dispose of all solid waste generated from any activity at the Development, which is not recycled and is not a dangerous good, only to a waste disposal ground operating under the authority of a permit issued pursuant to Manitoba Regulation 150/91 or any future amendment thereof, or a Licence issued pursuant to The Environment Act.

**Respecting Emergency Response Planning**

31. The Licencee, within 90 days of the issuance of this Licence, or other time frame approved by the Director, shall submit for approval of the Director, a contingency plan in accordance with the Manitoba Industrial Accidents Council (MIAC) *Industrial Emergency Response Planning Guide*, outlining procedures to be used in the event of a leak, spill, fire, or other hazardous condition at the Development.

**REVIEW AND REVOCATION**

- A. If, in the opinion of the Director, the Licencee has exceeded or is exceeding or has failed 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.

  
\_\_\_\_\_  
Tracey Braun, M. Sc.  
Director  
Environment Act

Client File No.: 5082.00