

Environment Act Licence

Manitoba
Environment



Licence No. 1657
Issue Date APRIL 30, 1993

In accordance with the Manitoba Environment Act (C.C.S.M. c.E125)

THIS LICENCE IS ISSUED TO:

Wes-T-Rans Limited; "the Licencee"

for the construction and operation of the Development being a thermal destruction treatment system ("the unit") located at the property described as 515 Oak Point Highway, in the City of Winnipeg, Province of Manitoba and subject to the following specifications, limits, terms, and conditions:

DEFINITIONS

In this Licence,

"**Director**" means, an employee designated under the Environment Act;

"**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 a Development where pollutants are ducted into the atmosphere.

GENERAL SPECIFICATIONS

1. The Licencee shall ensure that a high standard of equipment maintenance and good housekeeping and operational practices are carried out with respect to the Development, at all times.
2. The Licencee shall reduce the production and dissemination of waste by initiating and maintaining waste reduction and waste recycling programs where these programs do not already exist and if applicable.

3. The Licencee shall not utilize the Development for any activity other than those activities for which the unit is designed.
4. All designs related to the Development, its performance and installation must have prior approval by a qualified, engineering consultant licensed in the Province of Manitoba.


LIMITS, TERMS, AND CONDITIONS

5. The Licencee shall at the request of the Director:
 - a) conduct special studies to determine ambient air quality beyond the property line of the development;
 - b) conduct point source emission testing for specified air pollutants, to include but not be limited to the constituents listed in Table 1.0, Appendix A, attached to this Licence. The studies shall be conducted in a manner satisfactory to the Director;
 - c) provide stack sampling ports in the stack of the unit to the satisfaction of the Director; and
 - d) submit a report containing the ambient air quality data and/or emission testing data and all other related data to the Director within 10 days of receipt of the results.
6. The Licencee shall not emit particulate matter from the Development such that:
 - a) particulate matter exceeds 0.23 grams per dry standard cubic metre calculated at 25 degrees Celsius and 760 millimeters of mercury, corrected to 12 per cent carbon dioxide for processes involving combustion from any point source of the Development;
 - b) particulate matter exhibits a visible plume with an opacity of greater than 5 per cent at any point beyond the property line of the Development;
 - c) particulate matter results in the deposition of visible particulate residue at any time beyond the property line of the Development; and
 - d) particulate matter exhibits an opacity from any point source of the Development equal to or exceeding:
 - i) 20 per cent for a 4 minute period(s) in the aggregate in any one hour; or
 - ii) 40 per cent at any time.
7. Within 60 days after commencement of operation of the Development, the Licencee shall retain all residue resulting from the combustion process over 30 continuous working days, at which time, a composite sample of the residue shall be submitted for a leachate test. This test shall be conducted in accordance with Manitoba Regulation 282/87. The residue must be tested for the following heavy metals: Chromium (total), Lead, Zinc, Titanium, Arsenic, Barium, Cadmium, Mercury, Selenium. The results of this test shall be forwarded to the Director within 10 working days after receipt of the results.

8. The Licencee shall not utilize the Development to destroy any wastes other than those generated by the Licencee on the Development property.
9. The Licencee shall ensure that the rated capacity and the type of material for which the Development is designed, are displayed in a conspicuous location near the Development.
10. The Licencee shall ensure that detailed instructions for the operation of the unit are posted in a conspicuous location near the Development.
11. The Licencee shall limit odour emissions from the unit to such an extent that, at any point of impingement off the property, odours are not detectable:
 - a) in a residential area or commercial area when one volume of odorous air is diluted with one equal volume of odour free air; or,
 - b) in an industrial area when one volume of odorous air is diluted with six equal volumes of odour free air.
12. The Licencee shall obtain written approval from the Director for any proposed changes to the operating system or any ancillary systems associated with the system which will effect its operation.

REVOCATION

If in the opinion of the Director the Licencee has exceeded or is exceeding the specifications, limits, terms, or conditions set out herein, the Director may revoke, temporarily or permanently, this Licence.



Larry Strachan, P. Eng.
Director
Environment Act

FILE: 3536.00

APPENDIX "A"

TABLE 1.0

<u>Constituent</u>	<u>Maximum Concentration</u>
Particulate matter	0.23 gms. per cubic metre*
Opacity	5%
Organic Constituents (non-methane including toluene, xylene)	25 ppm**
Hydrogen Chloride	50 ppm**(point source emission)
Carbon Monoxide	0.2%
Sulphur Dioxide	250 ppm**

* - Dry Flue gas corrected to 12% carbon dioxide by volume at a pressure of 760 mm and a temperature of 25 deg. C.

** - parts per million by volume