

Environment Act Licence Loi sur l'environnement Licence

Manitoba
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Licence No./Licence n° 2134 S2

Issue Date/Date de délivrance November 21, 1995

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

THIS LICENCE IS ISSUED TO:

CARTE INTERNATIONAL INC.: "the Licencee"

STAGE 2 LICENCE

pursuant to Section 10(8) or 11(11) and 13(1) of the Act for the construction and operation of the Development being a sandblasting facility, located at 1995 Logan Avenue and within the boundaries as described in Appendix A, in the City of Winnipeg and the installation of equipment therein, in accordance with the proposal filed under the Environment Act on September 7, 1995, and subject to the following specifications, limits, terms and conditions:

DEFINITIONS

In this Licence,

"A-weighted sound level" means the sound level measured in dBA units with a sound level meter set on the A-weighting network, being a filter designed to approximate the relative sensitivity of the normal human ear to different frequencies of sound;

"ambient concentration" means the measurement of a substance contained in an air sample (corrected to a temperature of 25 ° C and to a pressure of 101.3 kilopascals) which has been collected from any point beyond the property line of the operation;

"appreciable impulsive or impact character" means sound which has a significant amount of impulsive or impact nature, such as hammering, explosions and clanking or banging. Impulsive or impact sounds are sounds of short duration, usually less than one second, characterized by an abrupt onset followed by a rapid decay;

"dB" (decibel) means a dimensionless measure of sound level or sound pressure level, where,

$$\text{sound level} = 20 \log_{10} \frac{\text{sound pressure (actual)}}{\text{sound pressure (reference)}};$$

"duct" means a pipe, stack, chimney, vent, opening or other device through which pollutants may be emitted to the atmosphere;

"fugitive emission" means any pollutant emitted from the Development into the atmosphere which is not passed through a duct;

"Leq (energy equivalent level)" means the A-weighted sound level (as decibels {dBA}) of a constant or steady sound, for a stated period, which has an amount of acoustic energy equivalent to that contained in the sound being measured;

"Leq(1)" means the Leq for a one hour period;

"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 ducted into the atmosphere;

"pollution control device" means an apparatus, demonstrated by means of adequate and acceptable testing, to be capable of removing, to the satisfaction of the Director, pollutants as specified;

"predominant discrete tone" means sound (for example a whine or hum) having a one-third octave band sound level which, when measured in a one-third octave band, exceeds the arithmetic average of the sound levels of the two adjacent one-third octave bands on either side of such one-third octave band by:

- i) 5 dB for such one-third octave band with a center frequency from 500 Hertz to 20,000 Hertz, inclusive, provided such one-third octave band sound level exceeds the sound level of each adjacent one-third octave band;
- ii) 8 dB for such one-third octave band with a center frequency from 160 Hertz to 400 Hertz, inclusive, provided such one-third octave band sound level exceeds the sound level of each adjacent one-third octave band; or
- iii) 15 dB for such one-third octave band with a center frequency from 25 Hertz to 125 Hertz, inclusive, provided such one-third octave band sound level exceeds the sound level of each adjacent one-third octave band;

"sampling facilities" means supporting structures, constructions and services provided by the Development to enable emission sampling activities.

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 immediately cease operation of the sandblasting facilities in the event of any stoppage in operation of the pollution control device(s) installed to control air particulate emissions.

3. The Licencee shall reduce the production and dissemination of wastes by initiating and maintaining waste reduction and waste recycling programs.

LIMITS, TERMS AND CONDITIONS

I - AIR EMISSIONS - GENERAL

4. The Licencee shall not emit particulate matter from the Development such that:
- i) particulate matter:
 - a) 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;
 - b) exhibits a visible plume with an opacity of greater than 5 percent at any point beyond the property line of the Development; or
 - c) results in the deposition of visible particulate residue at any time beyond the property line of the Development;
- OR,
- ii) opacity from any point source of the Development equals or exceeds:
 - a) 20 percent as the average of any 24 consecutive opacity observations taken at 15 second intervals;
 - b) 20 percent for more than 16 individual opacity observations within any 1 hour period; or
 - c) 40 percent for any individual opacity observation.
5. The Licencee shall not emit sound from any part or process of the Development, such that any emission when measured at a point of reception within an area which is zoned residential, exceeds the following $L_{eq}(1)$ limits:
- i) subject to sub-Clause 5 (ii):
 - a) 60 dBA during the daytime hours of 7:00 a.m. to 10:00 p.m., local time; or
 - b) 50 dBA during the nighttime hours of 10:00 p.m. to 7:00 a.m., local time;
- OR,
- ii) when the sound has an appreciable impulsive or impact character or a predominant discrete tone:
 - a) 55 dBA during the daytime hours of 7:00 a.m. to 10:00 p.m., local time; or
 - b) 45 dBA during the nighttime hours of 10:00 p.m. to 7:00 a.m., local time.

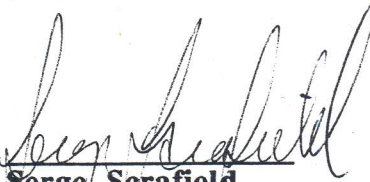
6. The Licencee shall not emit sound from any part or process of the Development, such that any emission when measured at a point of reception within an area which is zoned commercial, exceeds the following $L_{eq}(1)$ limits:
 - i) 70 dBA during the daytime hours of 7:00 a.m. to 10:00 p.m., local time; or
 - ii) 60 dBA during the nighttime hours of 10:00 p.m. to 7:00 a.m., local time.
7. The Licencee shall not emit sound from any part or process of the Development, such that any emission when measured at a point of reception, beyond the property line of the Development and within an area which is zoned industrial, exceeds an $L_{eq}(1)$ of 70 dBA at any time.

II. - SAMPLING AND ANALYSIS

9. The Licencee shall, upon the written request of the Director, design and conduct an air emission sampling program which may, at the discretion of the Director, include: sampling of stationary point source and fugitive emission(s); and sampling of ambient concentrations. Sampling may be required both at and adjacent to the Development for the following pollutants:
 - i) Crystalline silica
 - ii) Particulates
10. The Licencee shall have the air emission sampling program(s) referred to in Clause 9 pre-approved by the Director.
11. The Licencee shall have each sample collected pursuant to Clause 9 analysed by a laboratory approved by the Director and using methods approved by the Director.
12. The Licencee shall provide sampling facilities as required by the Director.
13. The Licencee shall submit a copy of the sampling report complete with analytical results as specified pursuant to Clauses 9, 10 and 11, to the Director within sixty (60) days of the completion of the sampling program.

VI. - REVOCATION

14. 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.


Serge Scrafield
Director
Environment Act

STATUS OF TITLE

STATUS OF TITLE..... ACCEPTED
 ORIGINATING OFFICE..... WINNIPEG
 REGISTERING OFFICE..... WINNIPEG
 REGISTRATION DATE..... 1991/10/21
 COMPLETION DATE..... 1991/10/22

PRODUCED FOR: CARTE INTERNATIONAL Appendix A
 BY: G.SCHNEIDER To Environment Act
 LTO BOX NO: Licence No. 2134 S2

LEGAL DESCRIPTION:

CARTE INTERNATIONAL INC.

IS REGISTERED OWNER SUBJECT TO SUCH ENTRIES RECORDED HEREON, IN THE FOLLOWING DESCRIBED LAND:

FIRSTLY: LOTS 8 TO 45, BLOCK 1, PLAN 795, WLTO IN OTM LOT 11"B", PARISH OF ST. JOHN.

SECONDLY: LOTS 10 TO 46 AND LOTS 66 TO 77, BLOCK 6, PLAN 795, WLTO EXC. OUT OF LOT 66, LANE, PLAN 6682, WLTO, AND EXC. OUT OF LOT 77, WLY 20 FEET, AND EXC. OUT OF THE WLY 20 FEET OF LOT 75, ALL MINES AND MINERALS, IN OTM LOT 11"B", PARISE OF ST. JOHN.

THIRDLY: ALL THAT PORTION OF PUBLIC LANE, PLAN 795, WLTO (NOW CLOSED) WHICH LIES BETWEEN THE STRAIGHT PRODUCTIONS NLY OF THE EASTERN LIMIT OF LOT 36 AND THE WESTERN LIMIT OF LOT 11, BLOCK 1, OF SAID PLAN, IN OTM LOT 11"B", PARISE OF ST. JOHN.

FOURTHLY: ALL THAT PORTION OF PARCEL "A", PLAN 6682, WHICH LIES TO THE NLY OF A STRAIGHT LINE DRAWN FROM THE SE CORNER OF LOT 36, BLOCK 1, TO THE NE CORNER OF LOT 37, BLOCK 6, PLAN 795, WLTO, IN OTM LOT 11"B", PARISE OF ST. JOHN.

FIFTHLY: PARCEL "B", PLAN 6682, WLTO IN OTM LOT 11"B", PARISE OF ST. JOHN.

SIXTHLY: ALL THAT PORTION OF PUBLIC LANE, PLAN 795, (NOW CLOSED), LYING TO THE WEST OF THE WESTERN LIMIT OF THE LAND FIFTHLY ABOVE DESCRIBED, WHICH LIES TO THE EAST OF THE STRAIGHT PRODUCTION NLY OF THE EASTERN LIMIT OF THE WLY 20 FEET OF SAID LOT 77, EXC., ALL MINES AND MINERALS, IN OTM LOT 11"B", PARISE OF ST. JOHN.

SEVENTHLY: WLY 20 FEET LOT 77, BLOCK 6, PLAN 795, WLTO IN OTM LOT 11"B", PARISE OF ST. JOHN, AND

EIGHTHLY: PARCEL "A", PLAN 24983, WLTO IN OTM LOT 11"B", PARISE OF ST. JOHN.

ACTIVE TITLE CHARGES:

1468537 WPG ACCEPTED MORTGAGE REG'D: 1991/10/03
 DESCRIPTION: EVIDENCE TO DISPENSE WITH PRODUCTION OF DCT ATTACHED
 FROM/BY: CARTE INTERNATIONAL INC.
 TO: CANADIAN IMPERIAL BANK OF COMMERCE
 CONSIDERATION: 9000000.00 NOTES:

CHARGES AFFECTING THIS INSTRUMENT:
 1801652 WPG ACCEPTED TRANSFER OF MORTGAGE