

Environment Act Licence

Manitoba
Environment



Licence No. 1550

Issue Date MAY 1, 1992

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

THIS LICENCE IS ISSUED TO:

JOHN J. ELIAS AND TINA ELIAS
CARRYING ON BUSINESS AS
MIAMI WELDING; "the Licencee"

for the construction and operation of the Development being the operation of a livestock equipment manufacturing facility located in the SE 1/4 Sec.16 Twp. 4 Rge. 5 WPM and subject to the following specifications, limits, terms and conditions:

DEFINITIONS

In this Licence:

"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, characterised by an abrupt onset followed by a rapid decay;

"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;

"dB" (decibel) means a dimensionless measure of sound level or sound pressure level, where,
$$\text{sound level} = 20 \log_{10} \frac{\text{sound pressure (actual)}}{\text{sound pressure (reference)}};$$

"4 minute period(s) in the aggregate" means any 16 readings, not necessarily contiguous, taken at 15 second intervals within a 1 hour sampling period;

"fugitive emissions" means an emission of pollutant(s) from an operation that is not a point source emission;

"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;

“operation” includes all activities or processes, directly or indirectly related to the Development, and which are or may occur on or at SE 1/4 Sec.16 Twp. 4 Rge. 5 WPM;

“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 that is deposited onto a surface;

“point source” means any point of emission from an operation where pollutants are ducted into the atmosphere;

“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; or
- 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.

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 and prevent the production and dissemination of waste by initiating and maintaining a waste recycling program for, but not limited to: metallic wastes; petroleum products; paper and fabric products and paints.
3. The Licencee shall not burn waste materials on-site other than by means of an incinerator that has been registered with and approved by the Department of Environment.

LIMITS, TERMS AND CONDITIONS

AIR EMISSIONS

4. The Licencee shall not emit particulate matter from any point source of the operation such that the particulate matter shall exceed 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.

5. The Licencee shall not emit particulate matter from any point source of the operation such that the opacity shall equal or exceed:
 - i) 20 percent for a 4 minute period(s) in the aggregate in any one hour; or
 - ii) 40 percent at any time.
6. The Licencee shall not emit fugitive emissions of particulate matter from the operation such that particulate matter:
 - i) exhibits a plume with an opacity of greater than 5 percent at any point beyond the property line of the development; or
 - ii) results in the deposition of visible particulate residue at any time beyond the property line of the development.
7. The Licencee shall not emit odour from any part or process of the development such that any emission is detectable when measured at a point of reception:
 - i) within an area which is zoned or used as residential or commercial when one volume of odorous air is diluted with one equal volume of odour-free air; or
 - ii) within an area which is zoned or used as industrial when one volume of odorous air is diluted with six equal volumes of odour-free air.
8. 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 or used as residential, exceeds the following $\{L_{eq}(1)\}$ limits:
 - i) subject to sub-Clause 8(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 subjective evaluation or measurements indicate that the sound has an appreciable significant impulsive 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.

REVOCATION

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



**Larry Strachan, P. Eng.
Director
Environment Act**