

AN ORDER OF THE CLEAN ENVIRONMENT COMMISSION  
UNDER THE CLEAN ENVIRONMENT ACT

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RE: THE CLEAN ENVIRONMENT COMMISSION and OMEGA HYDROCARBONS LTD., Applicant,

WHEREAS pursuant to the provisions of The Clean Environment Act, Omega Hydrocarbons Ltd. filed a proposal with the department in connection with the operation of a liquified petroleum gas recovery plant located in the NW 1/4 of Section 30, Township 1, Range 25 WPM in the Rural Municipality of Brenda, Manitoba;

AND WHEREAS in the absence of limits, terms and conditions prescribed by a regulation under the said Act, the proposal was referred to The Clean Environment Commission to prescribe limits, terms and conditions;

AND WHEREAS after giving notice of the proposal, the Commission did not receive notice of representation from any person who was likely to be affected by a Commission order concerning the said operation;

AND WHEREAS the Commission considered the proposal on the 18th day of June, 1984;

IT IS HEREBY ORDERED THAT

1. The Applicant shall limit odour emissions to such an extent that, at any point of impingement off the site of the said operation, odours emanating from the said operation are not detectable:
  - (a) in a residential area or area zoned residential when one volume of odorous air is diluted with one equal volume of odour-free air;
  - (b) in an industrial area or area zoned commercial when one volume of odorous air is diluted with six equal volumes of odour-free air.
2. The Applicant shall not cause or permit the emission of sound from any part of the said operation which, when measured in accordance with Appendix "A" to this Order, in an area zoned residential, exceeds the following hourly equivalent continuous sound level limits:

## (a) subject to (b):

(i) 60 dBA during the daytime hours of 7:00 a.m. to 10:00 p.m., local time;

(ii) 50 dBA during the nighttime hours of 10:00 p.m. to 7:00 a.m., local time;

## (b) when subjective evaluation or measurements indicate the intermittent or continuous noise has a significant impulsive character or predominant discrete tone:

(i) 55 dBA during the daytime hours of 7:00 a.m. to 10:00 p.m., local time;

(ii) 45 dBA during the nighttime hours of 10:00 p.m. to 7:00 a.m., local time.

3. The Applicant shall not cause or permit the emission of sound from any part of the said operation which, when measured in accordance with Appendix "A" to this Order in an area zoned industrial or commercial, is in excess of an  $L_{eq}$  (1) of 70 dBA.

4. The Applicant shall limit the emission of the following contaminants from the said operation to such an extent that downwind ground level concentrations outside the property line of the said operation are not in excess of the following limits:

Contaminant	Period of Time Contaminant is Measured	Concentration (Per Cubic Meter)	Parts of Pollutant Per One Million Parts of Air by Volume
(a) Sulphur Dioxide	1-hour average	900 micrograms	.34
	24-hour average	300 micrograms	.11
	Annual Arithmetic Mean	60 micrograms	.02
(b) Total Reduced Sulphur Compounds (Hydrogen Sulphide)	1-hour average	15 micrograms	.011
	24-hour average	5 micrograms	.004
(c) Nitrogen Dioxide	1-hour average	400 micrograms	.213
	24-hour average	200 micrograms	.106
	Annual Arithmetic Mean	100 micrograms	.053

5. The Applicant shall not cause or permit visible emissions from any point of emission of the said operation that exhibit an opacity equal to or greater than:
  - (a) 20 percent for a period of more than 4 minutes in the aggregate in any one hour;
  - (b) 40 percent at any time.
6. The Applicant shall submit a monthly record of plant production and fuel consumption to the Environmental Management Division within 30 days of the end of the month.
7. The Applicant shall ensure that a high standard of equipment maintenance and good housekeeping practices are carried out at all times to meet the requirements of this Order.
8. In this Order:
  - (a) "impulsive sound" means hammering type sound having peaks one second or more apart, with less than 60 impacts per minute;
  - (b) "predominant discrete tone" means a sound 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 dBA for such one-third octave band with a centre 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 dBA for such one-third octave band with a centre 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 dBA for such one-third octave band with a centre 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.

9. This Order shall be reviewed by the Commission in accordance with provisions of the said Act on or about the 1st day of June, 1989.

Order No. 1030

Dated at the City of Winnipeg

this 28th day of June, 1984.

  
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Chairman,  
The Clean Environment Commission.

File: 2627.0

NOISE LEVEL MEASUREMENT

Noise level determinations, pursuant to Clause 2 and 3 of this order shall be based on measurements made as follows:

- (a) beyond the property line of Omega Hydrocarbons Ltd., Waskada;
- (b) excluding any significant interfering sounds from other sources; and
- (c) in terms of the equivalent continuous sound level measured over a 1-hour period using a sound level monitoring device which equals or surpasses the requirements of Canadian Standards Association Standard Z 107.1 - 19073 (or the equivalent) for Type 2 sound level meters, operated on the "A-weighting network" and "slow" meter response.