

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

RE: THE CLEAN ENVIRONMENT COMMISSION and NUWEST ALLOYS, Applicant,

WHEREAS pursuant to the provisions of The Clean Environment Act, Nuwest Alloys filed a proposal with the department in connection with the operation of a non-ferrous foundry located at the E 1/2 of Lot 13, D.G.S. pt. S 1/2 the NE 1/4 of Section 14 Township 11, Range 2 EPM Plan 69 (Selkirk Division), at or near 211 Logan Avenue in the City of Winnipeg, Manitoba;

AND WHEREAS in the absence of limits, terms and conditions set by a regulation, the proposal was referred to the Clean Environment Commission to set limits, terms and conditions;

AND WHEREAS after giving notice of its intention to set limits, terms and conditions, the Commission did not receive notice of representation from any person who was likely to be affected;

AND WHEREAS the Commission considered the operation on the 12th day of February, 1988;

IT IS HEREBY ORDERED THAT

Cancelled

1. The Applicant shall not cause or permit the emission of particulate matter from any point of emission of the said operation in excess of 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.
2. 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.

3. The Applicant shall limit the emission of particulate matter from the said operation to such an extent that airborne particulate matter from any part of process of the said operation does not exhibit an opacity greater than 5 percent at any point beyond the property line of the said operation.
4. 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 commercial area when one volume of odourous air is diluted with one equal volume of odour-free air;
 - (b) in an industrial area when one volume of odourous air is diluted with six equal volumes of odour-free air.
5. Notwithstanding Clause 1, the Applicant shall not cause or permit the emission of lead from any point of emission of the said operation in excess of 0.014 grams per standard cubic metre calculated at 25 degrees Celcius and 760 millimetres. of mercury.
6. The Applicant shall not cause or permit the emission of sound from any part of the said operation which, when measured in accordance with Clause 8 of this Order in a residential area, 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;

6. (b) when subjective evaluation or measurements indicate the intermittment 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 10:00 p.m. to 7:00 a.m., local time.
7. The Applicant shall not cause or permit the emission of sound from any part of the said operation which, when measured in accordance with Clause 8 of this Order, in an industrial area or commercial area, is in excess of an (a) of 70 dBA.
8. Noise level determinations pursuant to Clauses 6 and 7 of this Order, shall be based on measurements made as follows:
- (a) beyond the property line of Nuwest Alloys;
 - (b) excluding any significant interfering sounds from other sources;
 - (c) in terms of the equivalent continuous sound level averaged over a 1 hour period (60 minutes), using a sound level monitoring device which equals or surpasses the requirements of Canadian Standards Association Standard Z 107.1 - 1973 (or the equivalent) for Type 2 sound level meters, operated on the "A-weighting network" and "slow" meter response.
9. The Applicant shall at all times maintain a high standard of equipment maintenance and good housekeeping practices consistent with meeting the requirements of this Order.

10. The Applicant shall conduct emission testing to determine compliance with Clauses 1, 5, 6 and 7 of this Order and, within a 90 day period from the testing, shall submit a report containing the emission testing results and all related data to the Environmental Management Division whenever the Environmental Management Division requests such emission testing and related data.
11. In this Order:
- (a) "impulsive sound" means hammering noise 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.
 - (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.

11. (c) "L_{eq}" - the equivalent, A-weighted sound level means the intensity (dBA) of the constant or steady sound level that would result in exposure to the same total A-weighted energy as would the specified time varying sound, if the constant sound level persisted over an equal time interval and "L_{eq}(1)" means the equivalent sound level for a 1 hour period.

Order No. 1163

Dated at the City of Winnipeg

this 18th day of February, 1988.



Chairperson,
The Clean Environment Commission.

File: 2846.0

Cancelled