

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

261 m.s.

Re: The Clean Environment Commission and Prairie Foundry Ltd., applicant.

WHEREAS pursuant to the provisions of The Clean Environment Act, Prairie Foundry Ltd., of 440 Union Avenue in the City of Winnipeg has submitted an application to the Clean Environment Commission to prescribe limits in connection with the operation of a ferrous foundry and ancillary processes located on premises on both sides of Union Avenue at or in the vicinity of 440 Union Avenue in the City of Winnipeg,

AND WHEREAS representations were made to the Clean Environment Commission by persons who are or are likely to be affected by an Order of the Commission prescribing limits in connection with the said operation,

AND WHEREAS the Clean Environment Commission held a public hearing on the 4th day of December 1972 in the Board Room of the Manitoba Centennial Concert Hall in the City of Winnipeg,

AND WHEREAS the Clean Environment Commission considered the application on the 26th day of March 1973 and again on the 24th day of April 1973,

IT IS HEREBY ORDERED THAT:

1. The applicant shall ensure that within twelve months of the date of issuance of this Order:

(1) emissions from the said operation are limited:

a. with respect to smoke:

i. to a density of not more than two on the Ringelmann Smoke Chart for a period or periods totalling not more than four minutes in one half hour, nor more than eight continuous minutes at any time at the point of emission:

ii. during the setting of new charges in the furnace to a density of not more than number three on the Ringelmann Smoke Chart for a period or periods totalling not more than three minutes in one quarter hour nor more than six continuous minutes at any time at the point of emission.

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b. with respect to particulate emissions:

to a maximum of 0.57 grams per standard cubic meter calculated at 20 degrees Centigrade and 760 millimetres of mercury (0.25 grains per standard cubic foot calculated at 68 degrees Fahrenheit and 30 inches of mercury) at the point of emission,

(2) at any point of impingement off the said premises:

- a. a soiling index does not exceed 0.8 COH (co-efficient of haze) unit per 1000 feet of air,
- b. the dustfall over a period of thirty days does not exceed 1.5 milligrams per square centimeter over and above the background level,
- c. the suspended particulates content does not exceed an average concentration of 100 micrograms per cubic meter of air over a twenty-four hour period,
- d. the atmosphere does contain less than 7 odour units as measured with a Scentometer,
- e. during the day (7:00 a.m. to 10:00 p.m.) continuous noise levels associated with the said operation as measured over any two hour period do not exceed 55 decibels as measured on the A-scale (dBA) of a sound level meter which meets the International Electrotechnical Commission Recommendation No. 179 (I.E.C. 179) or the American National Standards Institute (A.I.N.S.I.) No. SI. 4-1971, subject to the correction noted in the following table:

Character of the Noise	Correction to be Applied to the limit
Impulsive or strongly amplitude modulated	-5 dBA
Appreciable tonal character	-5 dBA
Strong Tonal character	-10 dBA

- f. during the day (7:00 a.m. to 10:00 p.m.) intermittent noise levels associated with the said operation measured over any two hour period do not exceed the limits stipulated in (e) above, subject to the correction.

(2) f. continued

noted in the following table:

Duration of Noise, within any Two Hour Period 7AM to 10PM)	Correction to be Applied to Limit
15 to 60 minutes	+6 dBA
5 to 15 minutes	+12 dBA
1 to 5 minutes	+18 dBA
15 seconds to 1 minute	+24 dBA
less than 15 seconds	+30 dBA

- g. during the night (10:00 p.m. to 7:00 am.) continuous or intermittent noise levels associated with the said operation do not exceed 45 decibels as measured on the A-Scale (dBA) of a sound level meter which meets the International Electrotechnical Commission Recommendation No. 179 (E.E.C.179) or the American National Standard Institute (A.I.N.S.I.) No. SI. 4-1971, subject to the corrections noted in the following table:

Character of the Noise	Correction to be Applied to the Limit
Impulsive or strongly amplitude modulated	-5 dBA
Appreciable tonal character	-5 dBA
Strong tonal character	-10 dBA

2. If by the end of the period of twelve months from the date of issuance of this Order the limits prescribed in Clause (1.) of this Order are not met, the applicant shall ensure that there is no deposit, discharge or emission of contaminants into the environment from the said operation.
3. The applicant shall within six months of the date of issuance of this Order file with the Clean Environment Commission a schedule of design, procurement, installation and setting in operation of equipment and facilities to meet the requirements of Clause 1. of this Order.
4. The applicant shall within three months of the date of issuance of this Order:
 - i. prevent the air entrainment of contaminants from

4. i. continued

stock piles of material or waste on any part of the said premises, and

ii. ensure that any materials or wastes transported on or across Union Avenue from one part of the said premises to another are transported only in fully enclosed containers or vehicles,

iii. remove deposits of dust and particulate matter from all parts of the said operation where the said dust and deposits may be wind-entrained and carried off the said premises.

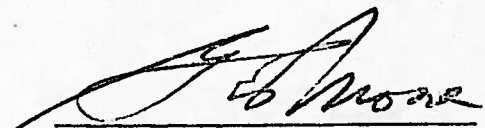
5. The applicant shall ensure that general housekeeping and maintenance measures are of a standard that will be compatible with meeting the requirements of Clause (1.) of this Order.

6. Where during the period of twelve months from the date of issuance of this Order there is any process malfunction or equipment failure the applicant shall immediately notify the Clean Environment Commission and furnish particulars thereof with confirmation in writing, and the Clean Environment Commission, where it deems it advisable, may authorize the continuance of the said operation for such limited period of time as it deems reasonable upon such terms and conditions as it deems necessary in the circumstances.

7. The applicant shall inform the Clean Environment Commission in writing of any proposed changes in the said operation or any proposed expansion of the said operation that will or may affect the quality of the environment off the said premises.

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Dated at the City of Winnipeg
this 11th day of May 1973.



Chairman,
Clean Environment Commission.

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* Ringelmann Smoke Chart - means the Ringelmann Smoke Chart published by the United States Bureau of Mines are used in accordance with the instructions published by the said Bureau. Smoke density may also be measured by any other instrument which can be correlated with the standard.

CC: Regional Services
Aug 17/73