

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

RE: THE CLEAN ENVIRONMENT COMMISSION and THE CITY OF WINNIPEG, Applicant,

WHEREAS pursuant to the provisions of The Clean Environment Act, The City of Winnipeg filed a registration with the department in connection with the emissions to the atmosphere from the operation of a sewage treatment plant, the "North End Water Pollution Control Centre" located at or near 2230 Main Street, on land described in Exhibit "A" to this Order in the City of Winnipeg, Manitoba;

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

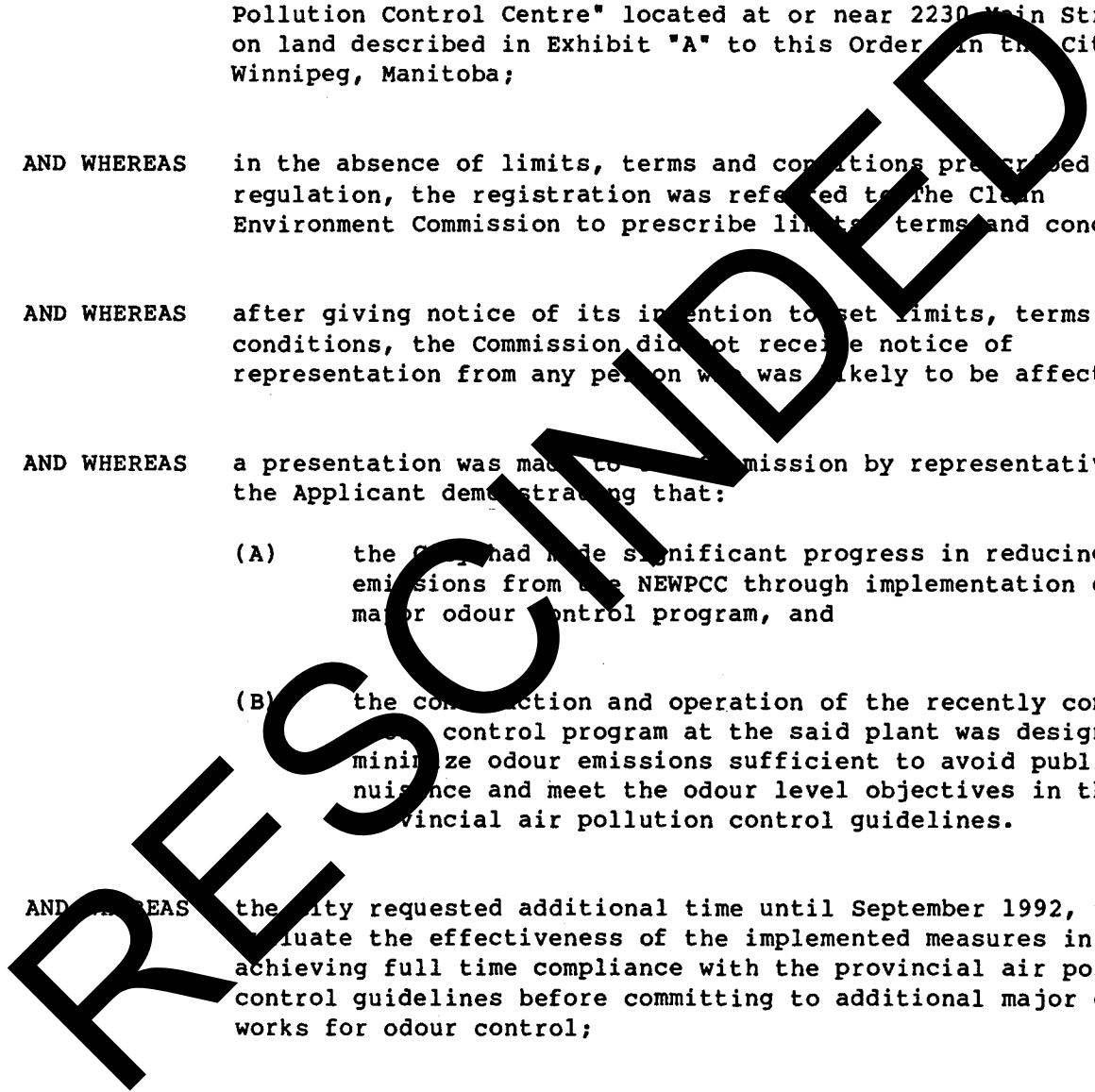
AND WHEREAS after giving notice of its intention to set limits, terms and conditions, the Commission did not receive notice of representation from any person who was likely to be affected;

AND WHEREAS a presentation was made to the Commission by representatives of the Applicant demonstrating that:

- (A) the City had made significant progress in reducing odour emissions from the NEWPCC through implementation of a major odour control program, and
- (B) the construction and operation of the recently completed odour control program at the said plant was designed to minimize odour emissions sufficient to avoid public nuisance and meet the odour level objectives in the provincial air pollution control guidelines.

AND WHEREAS the City requested additional time until September 1992, to evaluate the effectiveness of the implemented measures in achieving full time compliance with the provincial air pollution control guidelines before committing to additional major capital works for odour control;

AND WHEREAS the Commission considered the operation on the 30th day of March, 1988;



IT IS HEREBY ORDERED THAT

1. 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) 40 percent for more than 4 minutes in the aggregate in any one hour;

(b) 60 percent at any time.

2. The Applicant shall limit the emission of particulate matter from the said operation to such an extent that airborne particulate matter from any part or process of the said operation does not exhibit an opacity greater than 5% at any point beyond the property line of the said operation.

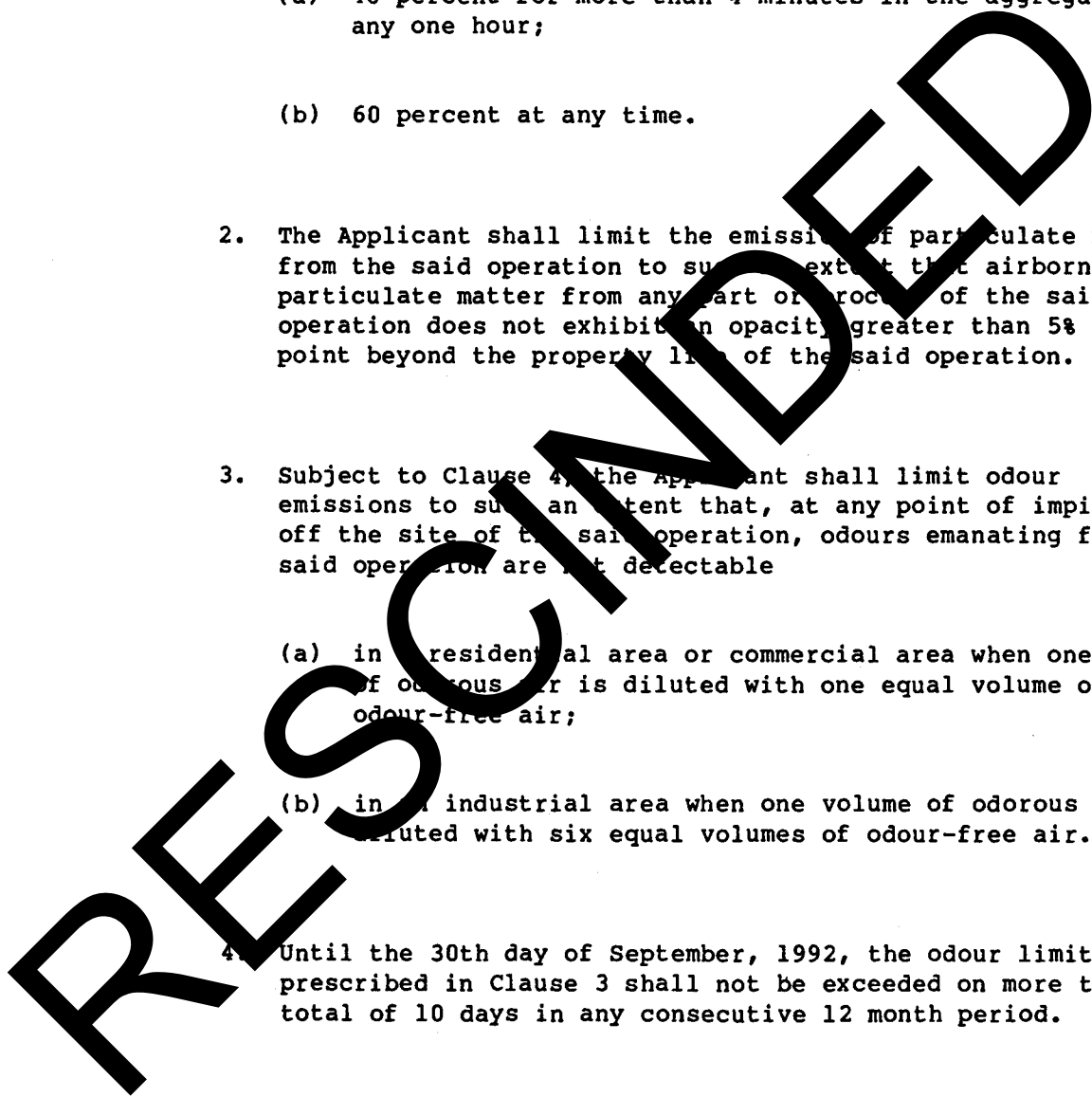
3. Subject to Clause 4, the Applicant shall limit odour emissions to such an extent that, at any point of impingement off the site of the said operation, odours emanating from the said operation are not detectable

(a) in a residential area or commercial area when one volume of odorous air is diluted with one equal volume of odour-free air;

(b) in an industrial area when one volume of odorous air is diluted with six equal volumes of odour-free air.

4. Until the 30th day of September, 1992, the odour limits prescribed in Clause 3 shall not be exceeded on more than a total of 10 days in any consecutive 12 month period.

5. The odour limits prescribed in Clause 4 shall be reviewed by the Commission on or about the 30th day of September, 1992.



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, in a residential area, exceed the following hourly equivalent continuous sound level limits

(a) subject to (b)

(i) 60 dBA during the day time 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 of measurements indicate the intermittent or continuous noise has significant impulsive character or predominant discrete tone

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

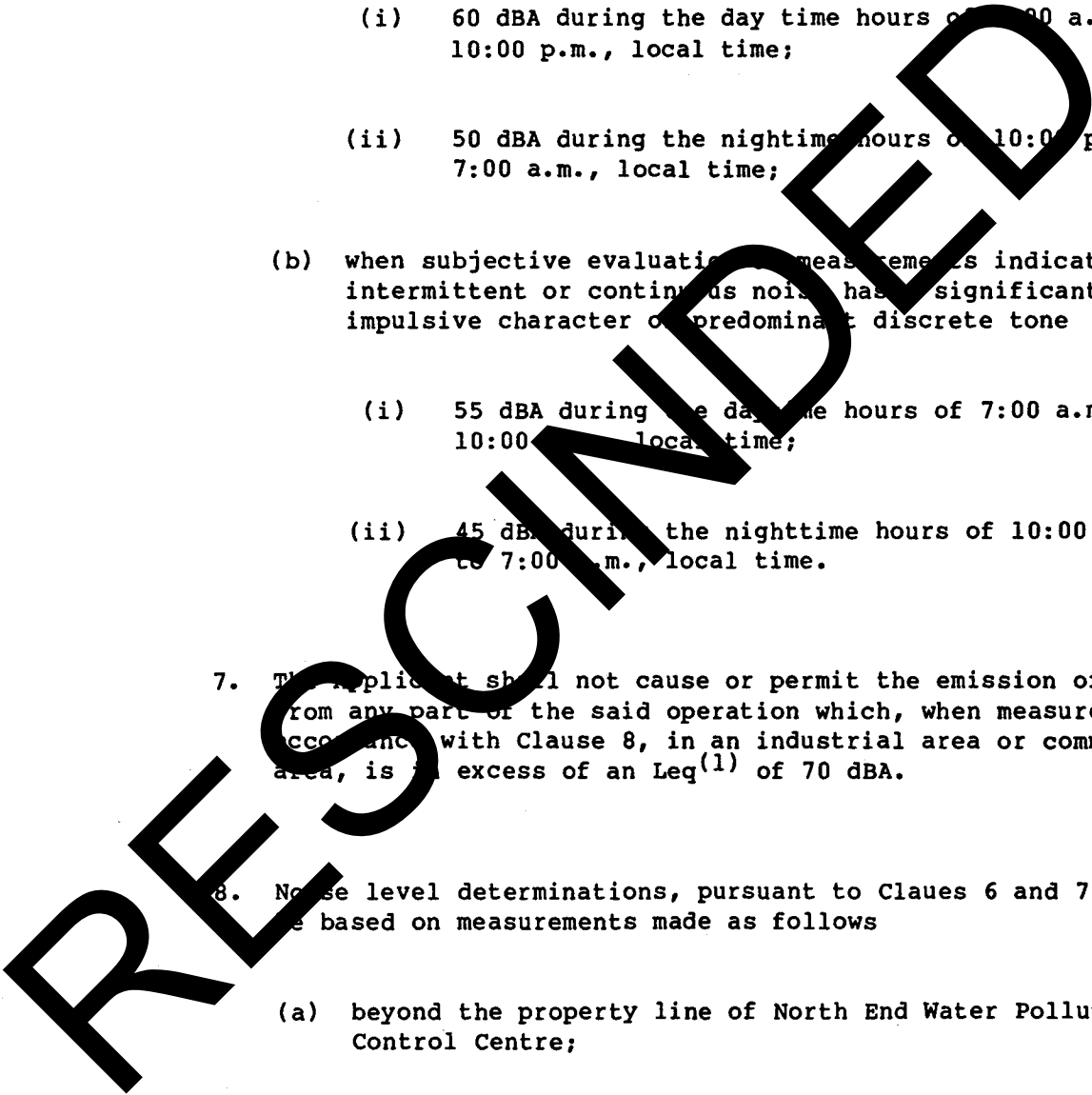
(ii) 45 dBA during the nighttime hours of 10:00 p.m. to 7:00 a.m., local time.

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, in an industrial area or commercial area, is in excess of an $L_{eq}^{(1)}$ of 70 dBA.

8. Noise level determinations, pursuant to Clauses 6 and 7 shall be based on measurements made as follows

(a) beyond the property line of North End Water Pollution Control Centre;

(b) excluding any significant interfering sounds from other sources; and



8. (c) in terms of the equivalent continuous sound level averaged over a 1 hour period (60 minutes), using 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. 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 concrete" means a sound having 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;
- (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.

10. (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}" means the equivalent sound level for a 1 hour period.

Order No. 1188

Dated at the City of Winnipeg

this 30th day of March, 1988.



Chairperson
The City Environment Commission.

File: 1691.0

RESCINDED

CITY OF WINNIPEG NORTH END WATER POLLUTION CONTROL CENTRE

LEGAL DESCRIPTION OF LAND

- Firstly: All those portions of River Lots Twenty-three and Twenty-four, according to the Dominion Government Survey of the Parish of Kildonan in Manitoba, which lies between the Western Limit of the Main Highway as shown on a Plan filed in the Winnipeg Land Titles Office as No. 545, and the Eastern limit of the land taken for the Right of Way of the Canadian Pacific Railway, according to a Plan filed in the said Office as No. 379.
- Secondly: All those portions of River Lots Twenty-four and Twenty-five of the said Parish lying to the West of the Western Limit of said Plan No. 379, which lies to the East of the Eastern limit of McGregor Street as shown on Plans filed in the said Office as Nos. 1205, 2095 and 4281, excepting out of said Lot Twenty-four of the land secondly above described the most Southerly fifteen feet in perpendicular width thereof.
- Thirdly: All that portion of River Lot Twenty-six of said Parish lying to the West of the Western limit of said Plan No. 379, which lies to the East of a line drawn East of, parallel with and perpendicularly distant ten feet from the McGregor Street bar line as said bar line is shown in blue on a plan registered in the said Office as No. 2107, excepting out of the land thirdly above described the most Northerly ten and one-half feet in perpendicular width thereof and all that portion of the most Southerly eight feet in perpendicular width thereof which lies to the West of a line drawn parallel to said Western limit of said Right of Way as shown on said Plan No. 379, and distant Westerly therefrom one hundred and sixteen and seven-tenths feet measured along the Southern limit of said Lot Twenty-six.