

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

RE: The Clean Environment Commission and Prairie Protein Products Ltd., applicant,

WHEREAS pursuant to the provisions of The Clean Environment Act, Prairie Protein Products Ltd. (postal address: 903 Marion Street, Winnipeg, Manitoba, R2J 0K7), submitted an application to The Clean Environment Commission in connection with the operation of a plant for the inedible rendering of feathers with discharge of contaminants to the air and liquid waste to the soil: the said plant and liquid waste disposal system being located on part of Section 29-8-7 EPM and more particularly on the north side of the Trans-Canada Highway approximately two miles east of the junction with Provincial Trunk Highway No. 12, in the Rural Municipality of Ste. Anne, Manitoba,

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 29th day of July, 1974, the 6th day of August, 1974, and the 9th day of September, 1974, in the Board Room of Building 2 of the Fort Osborne Complex at 139 Tuxedo Avenue, Winnipeg,

AND WHEREAS The Clean Environment Commission considered the application on the 10th day of September, 1974,

IT IS HEREBY ORDERED THAT

- 1. The applicant shall ensure that at any point of impingement off the premises of the said plant odours emanating from the said plant and said liquid waste disposal system are not detectable when diluted with one equal volume of odour-free air,

*

*Assigned to
J. D. Clews
Sept 25/74*

C-6-634

2. The applicant shall ensure that odours and particulate matter emissions from any stack or vent of the said plant meet with the following requirements:

- (a) odour as measured at the point of emission is not detectable when diluted with 149 equal volumes of odour-free air, and
- (b) particulate matter as measured at the point of emission does not exceed 0.57 grams per standard cubic meter of air as calculated at 20°C and 760 millimeters of mercury (equivalent to 0.25 grains per standard cubic foot at 68°F and 30 inches of mercury)

**

3. The applicant shall ensure that at any point of impingement off the premises of the said plant noise levels arising from the said operation do not exceed the following:

(a) during the daytime hours 7:00 a.m. to 7:00 p.m.

<u>Maximum Percentage of time (per one hour period)</u>	<u>(i) Sound level limit (decibels)</u>	<u>(ii) Tonal/impulsive Level limit (decibels)</u>
2% (i.e. 1.2 minutes per hour)	68 dBA	63 dBA
10% (6 minutes per hour)	65 dBA	60 dBA
50% (30 minutes per hour)	63 dBA	58 dBA
90% (54 minutes per hour)	60 dBA	55 dBA

3. cont'd.....

(b) during the night hours 7:00 p.m. to 7:00 a.m.

<u>Maximum Percentage of time (per one hour Period)</u>	<u>(i) Sound level limit (decibels)</u>	<u>(ii) Tonal/impulsive Level limit (decibels)</u>
2% (i.e. 1.2 minutes per hour)	58 dBA	53 dBA
10% (6 minutes per hour)	55 dBA	50 dBA
50% (30 minutes per hour)	53 dBA	48 dBA
90% (54 minutes per hour)	50 dBA	54 dBA

NOTE: RE tonal/impulsive level limit table

Where subjective evaluation indicates the presence of appreciable tonal character (e.g. whining, buzzing, or whirring noises) or impulsive noises (e.g. hammering, clanking, or ringing noises) the allowable limits are reduced by 5 dBA as indicated in table (ii) in subclause (a) and (b) above.

4. The applicant shall ensure that the lagoon provided for the storage and treatment of liquid wastes from the said operation meets the following requirements:

(a) the lagoon is of impervious construction to the degree that there is no danger of contamination of groundwater, ✓

(b) the lagoon has a physical capacity sufficient to provide for storage of the liquid waste over the winter months, ✓

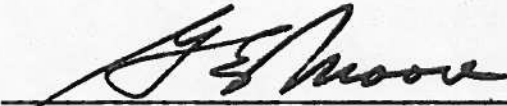
(c) the operation of the lagoon is such that, where and when necessary, chemicals are added or other steps taken, to control the release of malodour, ✓

5. The applicant shall ensure that the effluent from the said liquid waste lagoon is applied only to a plot of land owned or lawfully controlled by the applicant and is not discharged or released off the premises of the said plant or said operation,
6. The applicant shall ensure that the liquid waste lagoon effluent before being discharged onto the soil at the plot prescribed for this purpose has a coliform content (in terms of the MPN index) of not more than 1500 per 100 millilitres of sample,
7. The applicant shall ensure that:
 - (a) any contaminant control equipment or facility is maintained in effective condition and is functioning whenever the said plant and ancillary processes are in operation,
 - (b) general housekeeping and maintenance are of a standard compatible with meeting the requirements of this Order,

IT IS HEREBY FURTHER ORDERED THAT

8. Notwithstanding the requirements of Clause 1 to 7 the applicant may, for the purpose of testing the environmental control equipment, exceed the limits stated in this Order for such periods and at such times as may be specifically authorized by The Clean Environment Commission provided that he meets the following conditions:
 - (a) the applicant shall obtain prior approval in writing from The Clean Environment Commission of the proposed testing program,
 - (b) the applicant shall notify the Environmental Management Division, Department of Mines, Resources and Environmental Management, at least 24 hours in advance of each separate test,
 - (c) no test shall be carried out when the wind is from any northerly point of an arc of the compass extending from magnetic north north east to magnetic west,

Order No. 387


Chairman
Clean Environment Commission

Dated at the City of Winnipeg

this 20th day of September, 1974.

C-b-634

* Tests for odour (relative to Clause 1)

For the determination of odour levels two successive samplings are to be made not less than fifteen minutes apart and not more than 60 minutes apart.

Odour as is determined with a Scintometer by the Environmental Management Division of the Department of Mines, Resources and Environmental Management or by another agency authorized for this purpose by the Minister of the said Department.

** Sound level determinations

Sound level (dBA) shall be measured using the A-weighting network slow meter response of a sound level meter which meets International Electrotechnical Commission Recommendations No. 179 (I.E.C. No. 179) or American National Standards Institute (A.N.S.I.) No. S 1.4-1971 for type 1 (Precision) sound level meters.