

Binder Copy

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

**RE: THE CLEAN ENVIRONMENT COMMISSION and PLAINS PROCESSORS LIMITED,
Applicant,**

- WHEREAS** pursuant to the provisions of The Clean Environment Act, Plains Processors Limited filed an application with the Department of Consumer and Corporate Affairs and Environment in connection with the operation of an abattoir for the processing of horses and bison located in the SW 1/4 of Section 18, Township 7, Range 4, WPM in the Rural Municipality of Dufferin with disposal of blood and manure to agricultural land and of sanitary wastes and contaminated cleaning water to a sewage lagoon system located on the plant property with discharge of treated effluent from the lagoon to agricultural land;
- AND WHEREAS** in the absence of limits, terms and conditions prescribed by a regulation under the said Act, the application was referred to The Clean Environment Commission for the prescribing of limits, terms and conditions;
- AND WHEREAS** after giving notice of the application and receiving notice of representation, the Commission held a hearing in Carman, Manitoba, on the 4th day of May, 1981, pursuant to Section 15(4) of the said Act;
- AND WHEREAS** the Commission issued Order No. 917 on the 3rd day of June, 1982, prescribing limits, terms and conditions on the operation of the said sewage lagoon system, requiring the construction of a second cell and the lining of the lagoon cells with impermeable material;
- AND WHEREAS** on the 31st day of January, 1983, the Applicant requested a variation of the said order to delete the requirement for construction of a second cell and the requirement to line the first cell of the system with one metre of clay having a hydraulic conductivity of 10^{-7} centimetres per second or less;
- AND WHEREAS** the Commission held a hearing in Carman on the 17th day of May, 1983, pursuant to Section 14(7) of the said Act, to receive evidence and representations concerning the request for variation of the said order;

*Assisted
to
WPC*

AND WHEREAS the Commission considered the request for variation on the 20th day of June, 1983, and the 25th day of July, 1983;

IT IS HEREBY ORDERED THAT ORDER NO. 917 BE VARIED TO READ AS FOLLOWS

1. The Applicant shall:

- (a) construct a secondary cell for the said sewage lagoon system of such a size as to ensure sufficient storage capacity to comply with the provisions of clause 4 of this order;
- (b) place the said secondary cell in operation on or before a date 12 months after the end of any calendar year in which the number of animals processed in the said plant equals or exceeds the number of animals so processed in the calendar year 1981.

2. The Applicant shall:

- (a) install a settling tank to be located in the pipeline connecting the said abattoir to the sewage lagoon system;
- (b) clean and maintain the settling tank in such a manner as to ensure the settling out of particulate matter prior to the effluent reaching the said sewage lagoon.

3. The Applicant shall:

- (a) retain immediately a qualified consultant engineer to undertake the design of aeration equipment for supplemental oxygenation capacity of the sewage lagoon;
- (b) submit the engineering report, complete with plans and specifications to the Environmental Management Division before proceeding with the project;
- (c) complete the project before the 31st day of December, 1983.

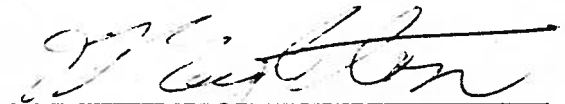
4. The Applicant shall ensure the said sewage lagoon system is operated and maintained in such a manner that:
 - (a) the release of offensive odours is minimized;
 - (b) the organic loading on the primary cell of the said sewage lagoon system, in terms of the five day biochemical oxygen demand:
 - (i) subject to (ii), is not in excess of 56 kilograms per hectare per day;
 - (ii) on and after the 31st day of December, 1983, is not in excess of the oxidation capacity of the sewage aeration equipment installed in the said primary cell.
5. The Applicant shall not discharge effluent from the said sewage lagoon system between the 1st day of November and the 15th day of May of the following year.
6. The Applicant shall not discharge effluent from the said sewage lagoon system where the:
 - (a) organic content of the effluent, as indicated by the five day biochemical oxygen demand, is in excess of 30 milligrams per litre;
 - (b) faecal coliform content of the effluent, as indicated by the MPN index, is in excess of 200 per 100 millilitres of sample.
7. The Applicant shall construct the said sewage lagoon system such that it is, on and after a date 12 months after the end of any calendar year in which the number of animals processed in the said plant equals or exceeds the number of animals so processed in the calendar year 1981:
 - (a) lined with a flexible, impermeable material of a quality acceptable to the Environmental Management Division; or

7. (b) lined with clay or other suitable material such that all interior surfaces of the lagoon are underlain with a minimum of 1 metre of soil, having a hydraulic conductivity of 10^{-7} centimetres per second or less.
8. The Applicant shall notify the Environmental Management Division two weeks prior to completion of the lagoon and/or the installation of a flexible, impermeable liner.
9. The Applicant shall advise the Environmental Management Division at least two weeks prior to the discharge of effluent from the said sewage lagoon system.
10. The Applicant shall discharge effluent from the said sewage lagoon system only under the following conditions:
 - (a) only to land where the Applicant has ownership, or lawful control or access for the purpose of making such discharge;
 - (b) not within 100 metres of any water well;
 - (c) not within 300 metres of any residence which is located off the property on which the Applicant has ownership or lawful control or access for the purpose of making such discharge;
 - (d) only in the prescribed manner as follows:
 - (i) to irrigate crops which require processing prior to human consumption;
 - (ii) onto fallowed fields or stubble fields;
 - (iii) to irrigate fodder crops provided that such crops will not be used for grazing or animal feed for at least 20 days after the effluent is discharged.
11. The Applicant shall at all times take all reasonable and practical means in the operation of the said abattoir to ensure that:

11. (a) blood is collected and removed from the premises;
- (b) the discharge of blood to the sewage lagoon is minimized.
12. The Applicant shall, on or before the 31st day of January of each year, submit a report to the said Environmental Management Division, with a copy to the Commission, detailing the number and kinds of animals processed in the said plant during the previous calendar year.
13. Order No. 917, as varied by The Clean Environment Commission, is hereby designated as Order No. 917VC.

Order No. 917VC

Dated at the City of Winnipeg
this 15th day of August, 1983.



Chairman,
The Clean Environment Commission.

File: 2412.0