

COPY

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

RE: THE CLEAN ENVIRONMENT COMMISSION and SHELL CANADA PRODUCTS LTD.,
Applicant,

WHEREAS pursuant to the provisions of The Clean Environment Act, Shell Canada Products Ltd. filed a proposal with the department in connection with the operation of a site for the disposal of hydrocarbon sludge by biodegradation in soil located in part of Section 8, Township 1, Range 1 WPM in the Rural Municipality of Rhineland, Manitoba;

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

AND WHEREAS after giving notice of its intention to prescribe 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 16th day of March, 1988;

IT IS HEREBY ORDERED THAT

1. The Applicant shall confine hydrocarbon sludge disposed of on the said site by maintaining an adequate dyke around the perimeter of the site.
2. The Applicant shall upon application of the hydrocarbon sludge to the said site, mix the said sludge thoroughly with the surface layer of soil to a depth of 10 centimetres.
3. The Applicant shall limit the application of hydrocarbons on the said site to such an extent that the total weight of hydrocarbons in the upper 15 centimetres of soil within the said site does not exceed 8 per cent of the total weight of the said soil.

4. The Applicant shall carry out a soil sampling program, satisfactory to the Environmental Management Division, to a depth of 120 centimetres within the said site once per year for three years following each period of hydrocarbon sludge application in such a manner that:
 - (a) soil samples of the top 15 centimetres are analyzed for
 - (i) total hydrocarbons (percentage by weight)
 - (ii) organic carbon (percentage by weight)
 - (iii) nitrate-nitrogen (ppm)
 - (iv) ammonium-nitrogen (ppm)
 - (v) extractable phosphorous (ppm)
 - (vi) conductance
 - (vii) soil pH,
 - (b) samples from 15 centimetres to 120 centimetres depth are analyzed for
 - (i) total hydrocarbons (percentage by weight)
 - (ii) nitrate-nitrogen (ppm)
 - (iii) conductance
 - (c) a report is submitted to the said Division by the 1st day of March of each such year which was preceded by a required soil sampling program, detailing the analytical findings and derived interpretations of each soil sampling program.

5. In this Order "hydrocarbon sludge" means a waste substance, consisting primarily of hydrocarbons and water, extracted from petroleum storage tanks in the course of cleaning out these tanks.

Order No. 1172

Dated at the City of Winnipeg

this 22th day of March, 1988.



Chairperson,
The Clean Environment Commission.

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