

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

RE: THE CLEAN ENVIRONMENT COMMISSION and ROCK LAKE MEMORIAL HOSPITAL BOARD,
 Applicant

WHEREAS pursuant to the provisions of The Clean Environment Act, M. M. Dillon Limited consulting engineers submitted on behalf of the Rock Lake Memorial Hospital Board an application to The Clean Environment Commission to prescribe limits in connection with the operation of a self-contained sewage lagoon system serving the Rock Lake Regional Hospital and ancillary buildings: the said sewage lagoon system being located in part of Section 32-2-11 WPM in the Rural Municipality of Louise, Manitoba,

AND WHEREAS no representation was made to the said Commission by any person who is, or is likely to be, affected by an Order of the said Commission prescribing limits in connection with the said operation,

AND WHEREAS The Clean Environment Commission considered the application on the 4th day of November, 1974 and again on the 21st day of January, 1975,

IT IS HEREBY ORDERED THAT

1. The Applicant shall ensure that the said sewage lagoon system is designed, constructed and operated in such manner as to minimize the possibility of groundwater contamination and to this end shall arrange that:
 - (a) the interior of the primary cell of the said sewage lagoon system is lined or coated to effectively prevent any seepage into the sub-soil; and
 - (b) the interior of the secondary cell of the said sewage lagoon system is lined or coated to restrict seepage to a maximum of one quarter of an inch per day;
2. The Applicant shall ensure that:
 - (a) the biochemical oxygen demand (5-day BOD) loading on the primary cell of the said sewage lagoon system does not exceed 50 pounds per acre per day; and

*Assigned to Soil
 Pollution Control
 Apr 31/75
 CBO/BH*

- (b) the hydraulic loading on the said sewage lagoon system does not exceed an average quantity of 4500 gallons per day, averaged over a period of one month;
3. The Applicant shall ensure that in the operation of the said sewage lagoon system:
- (a) the effluent from the primary cell of the said sewage lagoon system is subject to proportionate chlorination as it passes to the secondary cell, to the extent that there is a measurable chlorine residual of at least 0.5 milligrams per litre after 15 minutes contact; and
 - (b) the release of offensive odours is minimized;

IT IS HEREBY FURTHER ORDERED THAT

4. Prior to setting the said sewage lagoon system into operation the Applicant shall construct test wells, test ditches or such other test facilities as may be required by the Environmental Management Division of the Department of Mines, Resources and Environmental Management for the purpose of monitoring the quality of the groundwater before and after the setting into operation of the said sewage lagoon system;
5. The Applicant shall be responsible for the continuing maintenance of the test facilities required by the said Division further to Clause 4. above;
6. The Applicant shall arrange that on or about the first day of the months of February, May, August and September of each year that the said operation continues:
- (a) samples are taken from the following parts of the hospital complex:
 - (i) the primary cell of the said sewage lagoon system,
 - (ii) the secondary cell of the said sewage lagoon system,
 - (iii) the hospital water supply prior to any treatment,

- (iv) each of the test wells or other facilities provided for this purpose,
 - (v) any water reservoir which may be established as part of the hospital complex water system other than boilers, pressure tanks, hot-water heating tanks and other enclosed reservoirs;
 - (b) the samples as required under sub-clause (a) above are analyzed for such bacteriological, chemical and physical parameters as may be required by the said Division of the said Department;
7. The Applicant shall arrange that the results of the analyses required under Clause 6 are submitted to the said Division of the said Department within thirty days of the end of the calendar month in which the samples are taken.

Order No. 425

Dated at the City of Winnipeg

this 24th day of January , 1975



Chairman
The Clean Environment Commission

C-b-951