



Environment

Environmental Management

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Winnipeg MB R3C 1A5  
CANADA

Fax: (204) 945-5229

Internet: <http://www.gov.mb.ca/environ>

FAXED  
CLIENT FILE NO.: 4431.00

July 28, 1999

Mr. Blair Geisel, Manager  
Central Manitoba Resource Management Limited  
Box 1265  
Portage la Prairie MB R1N 3J9

Dear Mr. Geisel:

Enclosed is Environment Act **Licence No. 2405** dated July 28, 1999 issued in accordance with the Manitoba Environment Act to **Central Manitoba Resource Management Limited** in connection with the construction and operation of the Development being an irrigation system located in sections 14, 15, 21, 22 and 23-12-7W in the Rural Municipality of Portage la Prairie, in accordance with the Proposal filed under The Environment Act and dated April 27, 1999.

In addition to the enclosed Licence requirements, please be informed that all other applicable federal, provincial and municipal regulations and by-laws must be complied with.

For further information on the administration and application of the Licence, please feel free to contact Walter Keryluk at (204) 239-3187.

Yours truly,

*ORIGINAL SIGNATURE*  
L. STRACHAN, P. ENG.

Larry Strachan, P. Eng.  
Director  
Environment Act

Enc.

c: L. MacCallum, Regional Director, South Central Region, Environment  
Centennial Public Library/Manitoba Eco-Network  
Portage Plains Regional Library  
Rural Municipality of Portage la Prairie  
Walter Keryluk, Environment Officer

**NOTE: Confirmation of Receipt of this Licence (by the Licencee only) is required by the Director of Approvals. Please acknowledge receipt by signing in the space provided below and faxing back to the Department by August 3, 1999.**

\_\_\_\_\_  
On behalf of Central MB Resource Mgmt. Ltd.      Date



# Environment Act Licence

## Loi sur l'environnement Licence

Manitoba  
Environment  
Environnement  
Manitoba



Licence No./Licence n° 2005  
Issue Date/Date de délivrance July 28, 1999

**IN ACCORDANCE WITH THE MANITOBA ENVIRONMENT ACT (C.C.S.M. c. E125)  
THIS STAGE 1 LICENCE IS ISSUED PURSUANT TO SECTIONS 11(1) AND 13(1) TO:**

**CENTRAL MANITOBA RESOURCE MANAGEMENT LIMITED;  
"the Licencee"**

for the construction and operation of the Development being an irrigation system located in sections 14, 15, 21, 22 and 23-12-7W in the Rural Municipality of Portage la Prairie, in accordance with the Proposal filed under The Environment Act and dated April 27, 1999, and subject to the following specifications, limits, terms and conditions:

**GENERAL TERMS AND CONDITIONS**

This Section of the Licence contains requirements intended to provide guidance to the Licencee in implementing practices to ensure that the environment is maintained in such a manner as to sustain a high quality of life, including social and economic development, recreation and leisure for present and future Manitobans.

1. The Licencee shall ensure that all used oil products and other regulated hazardous wastes generated by the machinery used in the construction and operation of the Development are collected and disposed of in accordance with applicable Manitoba Environment and legislation requirements.
2. The Licencee shall revegetate areas disturbed by the construction of the Development with a mixture of native or introduced grasses or legumes. These areas shall be revegetated as quickly as possible following construction to prevent soil erosion and the establishment of noxious weeds.
3. The Licencee shall:
  - a) prepare "As Constructed" drawings for the Development and shall label the drawings "As Constructed"; and
  - b) provide to the Director, within three months of the completion of construction of the Development, two sets of "As Constructed" drawings.

## SPECIFICATIONS, LIMITS, TERMS AND CONDITIONS

### Construction

4. The Licencee shall notify the South-Central Region of Manitoba Environment not less than two weeks prior to beginning construction of the Development. The notification shall include the intended starting date of construction and the name of the contractor responsible for the construction.
5. The Licencee shall ensure that fuel storage areas established for the construction of the Development are located a minimum distance of 100 metres from any waterbody, and shall comply with the requirements of *Manitoba Regulation 97/88R* respecting *Storage and Handling of Gasoline and Associated Products*.
6. The Licencee shall ensure that buried pipelines which are installed on cultivated land or land in its natural state are installed in accordance with the methodology illustrated in Figures 1 to 3, attached to this Licence. These procedures do not apply when a plough or a continuous trencher is used to install a pipeline.
7. The Licencee shall, following construction of the intake works of the Development, restore the adjacent dyke in a manner acceptable to Manitoba Natural Resources.

### Operation

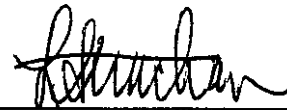
8. The Licencee shall, during operation of the Development, take all precautions necessary to prevent fuel from entering any waterbody. Diesel pump units shall be placed on drip trays and fuel tanks shall be contained in larger non drainable containers. Fuel spills in excess of 100 litres shall be immediately reported to an environment officer.
9. The Licencee shall ensure that pump intakes on the Portage Diversion channel associated with the Development are screened in accordance with the Department of Fisheries and Oceans publication "Freshwater Intake End-of-Pipe Fish Screen Guideline" (March, 1995).
10. The Licencee shall, on a daily basis while irrigation is occurring from the Development, record volumes of water pumped, and durations of pumping. A report on this information shall be provided, by March 1 of the following year, to Manitoba Environment and Manitoba Natural Resources. The report shall be provided in the format shown in Table 1, attached to this Licence.
11. The Licencee shall ensure that irrigation does not occur, with water diverted by the Development, on a land parcel other than a land parcel identified in the Environment Act Proposal.
12. The Licencee shall implement all Best Management Practices described in the Environment Act Proposal. These Best Management Practices shall receive the approval of the Director prior to their implementation.

**Monitoring**

13. The Licencee shall develop a groundwater monitoring plan based on field investigations to be carried out in the fall of 1999. The plan shall include an implementation schedule, and shall be provided to the Director for approval by December 31, 1999.
14. The Licencee shall, on an annual basis, undertake water quality monitoring as described in the Environment Act Proposal and the approved groundwater monitoring plan required by Clause 13 of this Licence. A report summarizing the monitoring results for the previous year shall be submitted to the Director by March 1 of each year.

**REVIEW OR REVOCATION**

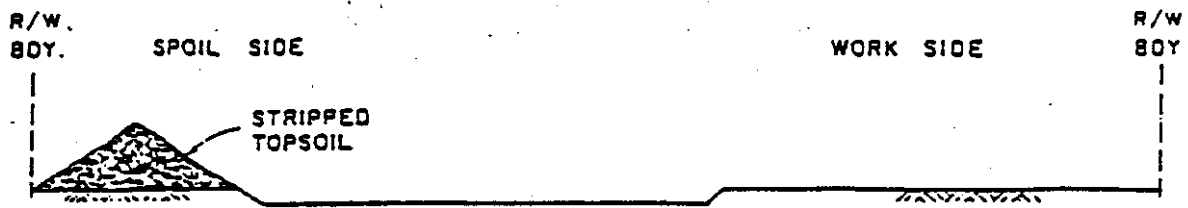
- A. If, in the opinion of the Director, the Licencee has exceeded or is exceeding or has or is failing to meet the specifications, limits, terms, or conditions set out in this Licence, the Director may, temporarily or permanently, revoke this Licence.
- B. If construction of the development has not commenced within three years of the date of this Licence, the Licence is revoked.
- C. If, in the opinion of the Director, new evidence warrants a change in the specifications, limits, terms or conditions of this Licence, the Director may require the filing of a new proposal pursuant to Section 11 of The Environment Act.



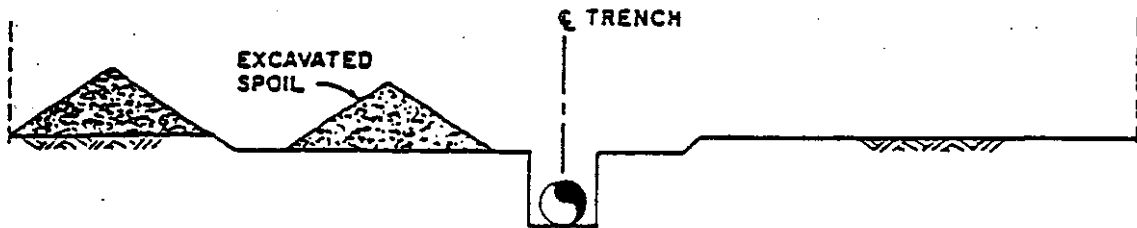
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**Larry Strachan, P. Eng.**  
**Director**  
**Environment Act**

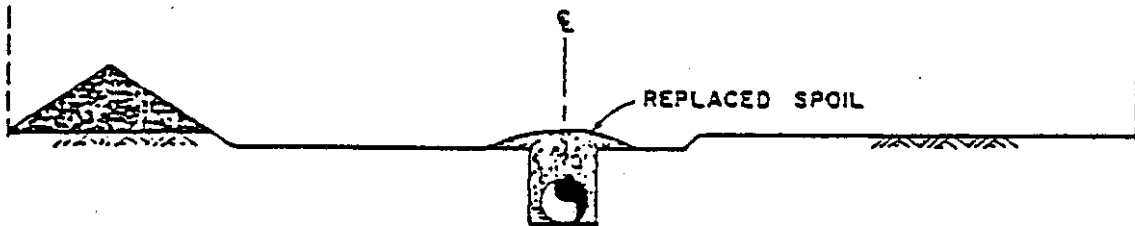
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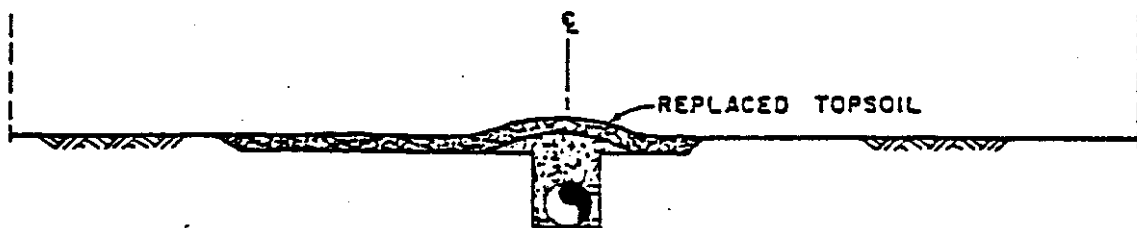
1. TOPSOIL STRIPPED



2. TRENCH EXCAVATED



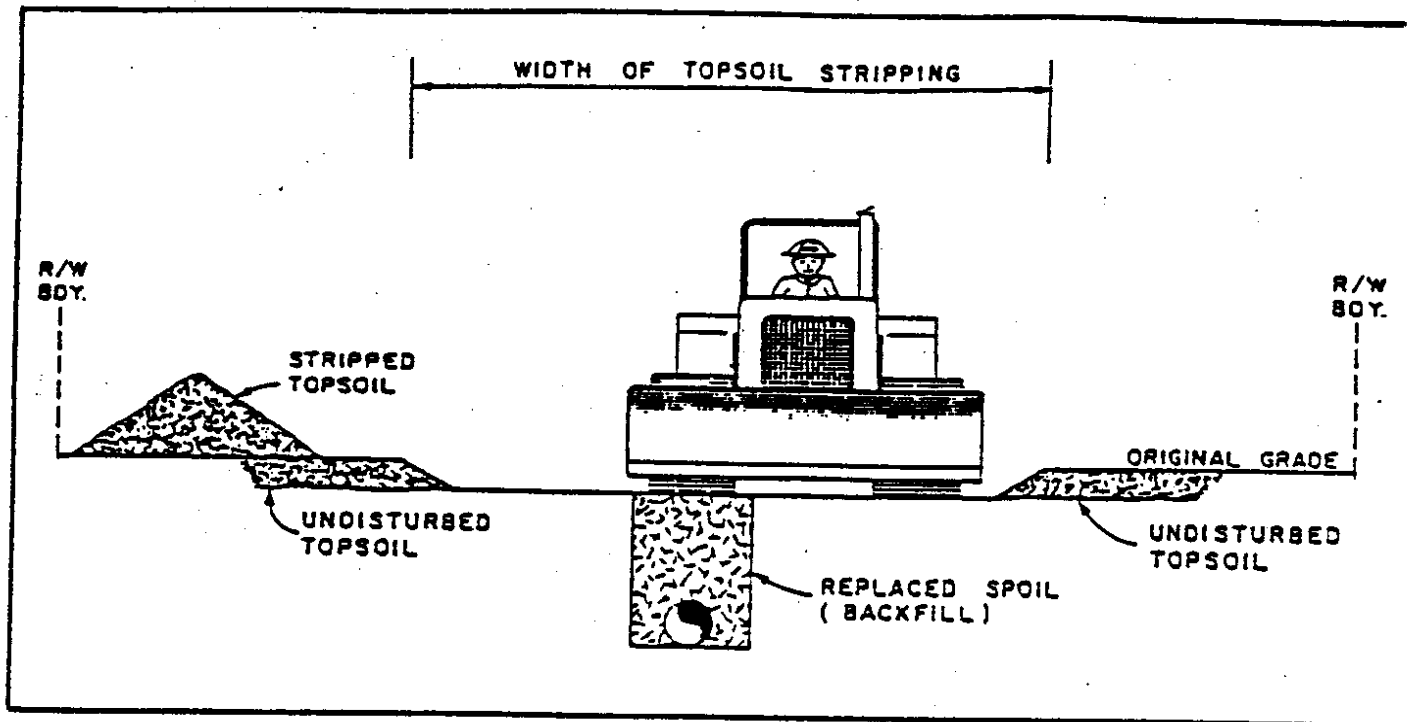
3. TRENCH BACKFILLED



4. TOPSOIL REPLACED

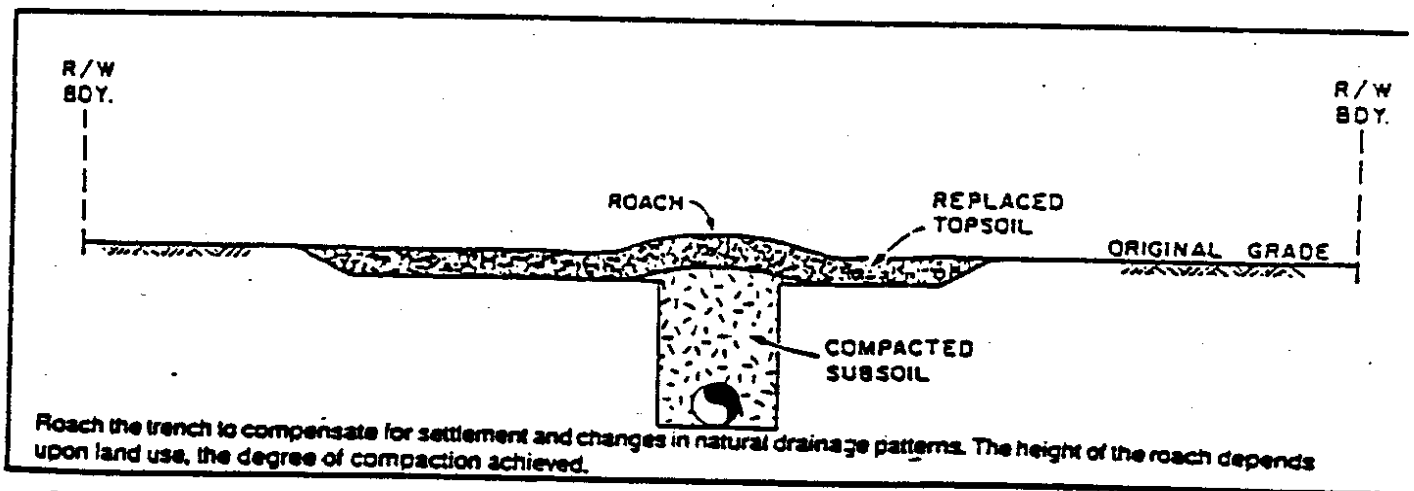
**SEQUENCE OF TOPSOIL HANDLING**

**Figure 1:**



COMPACTION OF BACKFILL

Figure 2



ROACHING THE TRENCH

Figure 3

Table 1

<b>Central Manitoba Resource Management Limited</b>			
<b>Grenville-Trimble-BIB-Portland Irrigation Project</b>			
Annual Water Use Report			
Intake Location: SE 20-12-7W		Year: _____	
Pump Capacity: _____		m <sup>3</sup> /s or cfs	
<b>Conversions</b> 1 acre (ac.) = 0.405 hectares (ha.) 1 ha. = 2.471 ac.			
1 acre-foot (ac.-ft.) = 1.233 cubic decametres (dam <sup>3</sup> ) 1 dam <sup>3</sup> = 0.811 ac.-ft.			
1 cubic foot per second (cfs) = 0.0283 cubic metres per second (m <sup>3</sup> /s)			
1 m <sup>3</sup> /s = 35.31 cfs			
1 imperial gallon per minute (IGPM) = 0.000076 m <sup>3</sup> /s			
1 US gallon per minute (USGPM) = 0.000063 m <sup>3</sup> /s			
<b>Date</b>	<b>Pumping Rate</b>	<b>Duration</b> hours	<b>Volume Pumped</b> dam <sup>3</sup>
<b>TOTAL</b>		sum	sum

To Environment Act Licence No. 2405