

12 June 2003

AMEC Project No.: WX05476.3

Manitoba Conservation
Environmental Operations Division
Red River Region
Suite 160 - 123 Main Street
Winnipeg, Manitoba R3C 1A5

Attn: Mr. Randy Webber, Environment Officer

**Re: Remedial Action Plan – Revised Scope of Work
Agricore-United Fertilizer Plant
Austin, Manitoba**

Please accept the following scope of work revision to AMEC's remedial action plan (RAP) for the above mentioned site date 19 December 2002. The 19 December 2002 RAP was submitted on behalf of GBM Consulting Inc. and Agricore-United for the remediation of the former Agricore-United bulk fertilizer plant located along Highway No. 1, east of Austin, Manitoba. The Portage La Prairie Co-operative Ltd. is currently operating the fertilizer operations at the Site.

The December 2002 RAP proposed the high pressure injection of feed grade molasses at the Site to remediate nitrate impacted soil and groundwater. The December 2002 RAP indicated that approximately 2700 kgs of molasses would be injected throughout the impacted area of the Site on an approximately 5 to 10 m grid (up to 70 injection points). Based on AMEC's review of published literature and experience gained on other nitrate remediation sites in Manitoba and Saskatchewan, AMEC has modified the scope of work to include the injection of approximately 9000 kgs (approximately 1400 gallons) of feed grade cane molasses. In addition to the molasses, AMEC intends to inject an additional 900 kgs (approximately 225 gallons) of emulsified canola oil (10% of the molasses injected by weight). The canola oil will be injected on top of the molasses at each injection point to assist in the degradation of the nitrate impacts by providing a supplementary source of carbon which will be available to subsurface microbial populations over a long period of time as compared to the molasses.

Other than the above noted changes to the scope of work, AMEC intends to follow the activities stated in the December 2002 RAP with has been approved by the Department.

The remedial activities are expected to commence on 16 June 2002. Prior to the injection process, AMEC will conduct the initial site monitoring and sampling as indicated in the December 2002 RAP.

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We trust that the information provided is suitable to allow MC to review and comment on the proposed remedial work. Should you have any questions or concerns please contact the undersigned.

Sincerely,
AMEC Earth & Environmental Limited

Patrick Campbell, B.Sc. (E.Sc.)
Environmental Scientist

cc: Addressee
Mr. Blain Murray, GBM Consulting Ltd.