



Ms. Tracy Braun, Director  
Environmental Licensing and Approvals  
Manitoba Conservation and Water Stewardship

Dear Ms. Braun,

**RE: Request to Redirect Sludge for trial at the Enviroclean Plant in Morden MB.**

**Outline:**

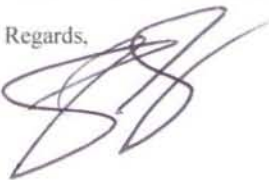
R3 Innovations Inc. would like to participate in a trial of an “In vessel compost machine” at the Enviroclean Landfill Solutions Plant in Morden, MB utilizing the centrifuged, dried biosolids produced at the R3 Innovations Inc (Environment Act License 2870R) industrial wastewater treatment facility in Neepawa, MB. The trial will run for a maximum of 12 months with periodic testing occurring throughout this period. Enviroclean will analyze the incoming and final products to ascertain whether or not the treatment process can be considered a viable option for processing R3 Innovations biosolids. All results will be made available to Manitoba Conservation for their review.

**HyLife request as follows:**

- The trial will be for a 12 month period. Portions of the bio-solids product (a maximum of 6 tons per day) will be redirected, with the remainder being disposed of as per license 2870R.
- The bio-solids will be gathered from the centrifuges and conveyed to the Plant in Morden in environmentally sealed, stainless steel bins, the same bins that are currently in use by the Enviroclean operation.
- Once the product is loaded on the transportation provided by Enviroclean they take full responsibility for it's safe transportation to Morden MB and its subsequent disposal as per their environment act license 2999 issued Mach 23, 2012.
- R3 Innovations Inc. will reserve the right to cancel this trial at any time.

Please Feel Free to contact me at the coordinates below if you have any further questions or concerns.

Regards,



Sheldon Stott, P.Ag  
Director of Environmental Affairs  
HyLife ltd.  
c.c. Ms. Cory Switzer

## ~ Enviroclean Landfill Solutions Ltd. ~

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To: the Director, Manitoba Environment. Ms. Tracy Braun, and attention Ms. Cory Switzer  
February 19th 2015

Dear Ms. Braun,

In support of the parallel application for HyLife to redirect portions of the DAF sludge waste produced in their plant in Nepawa (**R3 Innovations Inc**), to the Enviroclean plant in Morden for further processing. Please see the following details that Enviroclean has agreed to for their part of this process.

### **Outline:**

**To run a trial with an "In-vessel compost machine, called a Rapid Bio-Digester (RBD)" in the Enviroclean Landfill Solutions Plant in Morden. The trial will run for approximately 12 months with sporadic tests being run during this period. Enviroclean will test the final product, it will be analyzed and appraised for various applications for a future possible solution for HyLife Ltd.**

Enviroclean Landfill Solutions Ltd. Has in the recent past, successfully carried out trials on DAF Sludge from Maple Leaf Inc.. The product was processed into a quality, high nitrogen fertilizer / compost in a 48 hour period. The HyLife product is very similar in makeup and composition to the product from Maple Leaf Ltd which Enviroclean ran a few years ago.

The resultant product consisted of a good quality 18% brown loam-like texture and smells sweet rather like silage. Recently samples have had CQA testing at A&L laboratories the results being evaluated as a very good quality compost and meeting the standards as set out in licensing and quality requirements by Manitoba Conservation.

### **Details of method and precautions are as follows:**

- The goal is to allow for the trial over approximately a 12 month period, probably not continuously.
- The sludge will be gathered from the production area and conveyed to the Plant in Morden in the same sealed, stainless steel bins used by the Enviroclean operation (they have a tight sealed cover)
- The Volume of sludge is expected to be no more than 6 tons per day.
- These bins then will be transported in a similar manner as other meat waste, in the past from Plaines Processors in Morden MB to the Enviroclean Plant in Morden.
- This bin is then clipped on to the machine and loaded into the RBD machines.
- The machine lid is then closed and the process takes place.
- The final product will then be stored in the Enviroclean facility.
- With this proposed method there is little to no effect to the site in Nepawa or any negative effect either to the environment or surrounding area. We anticipate no nuisance or contamination of any kind.

**Our immediate mobilization procedures for any kind of spill** for in-going or out-coming product will be in place that require immediate clean up into fresh bins and, if needed, reintroduction to the machines for re-processing.

Additional carbon material will be added as is normal in this process possibly from animal bedding from the holding barns on site or from an outside supply of straw bails or wood shavings etc.

Enviroclean is confident that the RBD machine is able to handle these products and that they have the ability to exceed Manitoba Environment's required standards as outlined in the issued License to Enviroclean. Also that Enviroclean has the ability to handle any adverse situation that might arise in handling these products.

Regards,

Mark Milne  
President Enviroclean Landfill Solutions Ltd.  
c.c. Ms. Cory Switzer

19/02/2015