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July 15, 2021

Jennifer Winsor, P.Eng.  
Environmental Engineer  
Environmental Approvals Branch  
Department of Sustainable Development  
1007 Century Street  
Winnipeg, MB R3H 0W4  
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Email: [Jennifer.Winsor@gov.mb.ca](mailto:Jennifer.Winsor@gov.mb.ca)

Dear Ms. Winsor:

**RE: Request for Minor Notice of Alteration to R3 Innovations Inc Environment Act Licence 2870 RRR;  
Client 2755.20**

This notice of alteration request is submitted on behalf of R3 Innovations Inc. for the purpose of conducting an off site trial of a pyrolysis technology for the processing of sludge from the R3 Innovations Industrial Wastewater Treatment Facility.

R3 Innovations wishes to investigate an alternative method for sludge disposal, that, if successful could eliminate the need for landfill disposal of the produced sludge material from the facility. We have identified a company, Chartech, that has developed a pyrolysis process that has exhibited promise for the processing of this material.

R3 Innovations is proposing to transfer approximately 1 metric tonne of sludge/bedding material mix in a sealed plastic lined tote to Chartechs demonstration facility in London, Ontario. Material will be loaded into the tote onsite, transferred into a box reefer truck and transported to the Chartech facility for processing.

Analysis of the overall process performance and preliminary analysis on direct emissions will be gathered to determine feasibility of continued investigation into this as a viable alternative to landfill disposal of



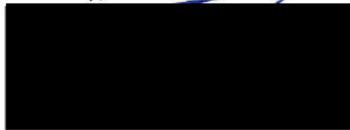
this material. Should additional testing be required, R3 Innovations will provide additional correspondence to Manitoba Conservation and Climate with this request.

All remaining materials from the trial post processing will be disposed by Chartech in an appropriate manner as per local regulations.

R3 Innovations Inc. would like to perform this trial on July 29, 2021.

R3 Innovations Inc. would like to thank you in advance for consideration of this request. Any further questions or concerns, please feel free to contact the undersigned at (204) 424-2313.

Sincerely,

A black rectangular redaction box covers the signature area. A blue ink scribble is visible above the top right corner of the redaction.

Sheldon Stott, P.Ag  
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HyLife Foods LP  
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