



## Media Release

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### **Dalhousie & Lystek Engage on Research into Better Predictability of Phosphorus Forms and Availability**

#### **NSERC Grant Fosters Collaborative Partnership with Dr. Gordon Price of Dalhousie University**

*Attention: Environmental, agricultural, municipal, recycling & waste management reporters/editors*

**December 7, 2017 – Cambridge, ON – For Immediate Release** | Leading biosolids and organics solutions provider, Lystek International Inc. (Lystek), is pleased to announce that through the award of a NSERC Engage Grant, the company will collaborate with Dr. Gordon Price, an Associate Professor at Dalhousie University and a leader in academic research in new technologies for waste bio-conversion and stabilization.

NSERC Engage Grants give innovative companies, like Lystek, access to the unique knowledge, expertise and capabilities available at Canadian universities and colleges. These grants are intended to foster the development of new research partnerships by supporting short-term research and development projects aimed at addressing a company-specific problem; that is, a problem related to the company's core competencies or activities.

Dr. Price has extensive expertise in biosolids management in agricultural soils and bio-conversion technologies. He has been involved with studying chemical cycling in soils from an array of soil conditioners originating from municipal or commercial sources. Dr. Price leads the Innovative Waste Management Research Program at Dalhousie University, with state-of-the-art analytical capacity and field facilities for pilot testing new technologies.

The project will evaluate different soil phosphorus tests for their ability to predict plant-available phosphorus from LysteGro® fertilizer in different soils as well as compare phosphorus availability in different LysteGro fertilizer formulations. The critical impact of this research will allow Lystek to better understand the phosphorus forms and availability in LysteGro so that it can be used in the most efficient and environmentally sustainable way.

"I am excited to engage in a collaborative research partnership with Lystek International. Phosphorus is a key nutrient in agriculture, and one that can be recycled using organic amendments," says Dr. Gordon Price, Associate Professor, Dalhousie University. "Proper management of phosphorus is essential to maintaining and improving food production; it is also important to manage phosphorus to preserve surface water quality and the ecosystems that depend on them."

"A better understanding of phosphorus forms and availability can improve agronomic conditions and environmental stewardship, says Samantha Halloran, Project Coordinator for Lystek. "The goal for this research collaboration is to take another step forward in addressing the development of efficient and sustainable management of phosphorus."

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### **About Lystek**

Lystek International Inc. is a leading provider of Thermal Hydrolysis solutions for the sustainable management of biosolids and organics. The multi-use, award-winning Lystek system reduces costs, volumes and GHG's by converting municipal and industrial wastewater treatment facilities into resource recovery centers. This is achieved by transforming organic waste streams into value-added products and services, such as the patented LysteMize® process for optimizing digester performance, reducing volumes and increasing biogas production; LysteGro®, a high-value, nutrient-rich biofertilizer and LysteCarb®, an alternative source of carbon for BNR systems.

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