

June 13th, 2016

RE: STARS INNOVATION CREDIT – Disinfection: Centre for Alternative Wastewater Treatment.

To Whom It May Concern:

I am writing to affirm the details of the Fleming's Centre for Alternative Wastewater Treatment (CAWT) as it relates to the STARS Innovation Credit.

Created in 2002 through a grant from the Canadian Foundation for Innovation, the CAWT at Fleming College promotes innovative forms of water and wastewater treatment technologies through applied research, third party validation and knowledge translation.

In collaboration with a Canadian company, the CAWT, through laboratory and demonstration level projects, has been researching and demonstrating the efficacy of using silver-stabilized peroxide as a secondary disinfection agent. We have shown that the replacement of chlorine with the silver-stabilized peroxide reduces the presence of trihalomethanes (harmful chlorinated disinfection byproducts) in the finished drinking water of a small Ontario town from well above Provincial Health Guidelines of 100 µg/L to less than 40 µg/L. Further work is being done to develop best practices for the use of this innovative drinking water technology. Results from this work will provide both municipalities and drinking water managers with safe, affordable options for the control of trihalomethanes.

Sincerely,



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