

**2009 24<sup>th</sup> Annual CONFERENCE ON THE ENVIRONMENT**

**November 12, 2009**

Earle Brown Heritage Center, Brooklyn Center, Minnesota

**SPEAKER BIOGRAPHY SHEET**

The following information will be used by session moderators in introducing presentations for the conference. The conference is sponsored by the Minnesota Section, Central States Water Environment Association, a member association of the Water Environment Federation, and the Air & Waste Management Association – Upper Midwest Section.

**Name:** Chris Howorth

**Organization:** Ostara

**Address:** Suite 690, 1199 West Pender Street, Vancouver, BC

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**Phone:** 604 408 6697 ext 419

**Email:** choworth@ostara.com

**Professional Title:** Technical Sales Director

**Brief Professional History/Awards/Publications:** \_\_\_\_\_, Career with Thames Water in the UK, ITT Flygt in Sweden and now Ostara in Canada \_\_\_\_\_

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**Education Background:** \_\_\_\_\_ BEng Civil Engineering from Plymouth University, UK \_\_\_\_\_

**Title of Presentation:** \_\_\_\_\_ Recovery of nutrients at the Empire WWTP using Ostara's PEARL™ process \_\_\_\_\_

**Brief Presentation Description:** \_\_\_\_\_ The presentation will describe Ostara's PEARL™ Process, and present data from a full scale system in Portland, OR and a recent pilot study in MCES' Empire WWTP in Farmington MN. \_\_\_\_\_

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**Project Status (if applicable):** \_\_\_\_\_

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**Additional Information:** \_\_\_\_\_

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\_\_\_\_\_ will you agree to bring a CD, or a USB memory stick? Yes \_\_\_\_\_ No \_\_\_\_\_

\_\_\_\_\_ USB

stick \_\_\_\_\_

**Presentation Aids (please check those applicable):**

\_\_\_\_\_ Overhead projector \_\_\_\_\_ Slide projector \_\_\_\_\_ LCD projector \_\_\_\_\_ Other

Please provide me with a LCD projector