



Advanced Membrane Treatment for Wastewater

2-day Course – November 5 & 6, 2009

About the Course:

Attention to water quality and re-use is increasing as clean water supplies decline. Even Albertans can no longer take their historic supply of abundant clean water for granted. As the trend to water re-use grows, water treatment standards tighten, membrane filtration is acknowledged as a particularly effective process to attain high levels of water purity. This treatment method will be more important as resource limitations lead to more water re-use and more stringent regulatory requirements.

The *Advanced Membrane Treatment for Wastewater* course is an opportunity for operators to increase their understanding of membrane filtration equipment and processes as applied to wastewater treatment.

Instructional Program:

Attending this 2-day workshop, operators will learn about:

- Major types of membranes and the basis of membrane functions
- Components and operational processes involved in common and advanced filtration systems
- Operational and equipment issues and approaches to addressing these issues
- Future implications of membrane technology for the wastewater sector and for the operator role

A tour of the filtration system at EPCOR's Gold Bar site will provide attendees with an opportunity to see a tertiary membrane system in operation.

Instructor: Peter Christou, Chimo Water & Wastewater

Peter Christou has over 10 years of experience in providing remote water and environmental engineering services for military and private sector operations. During his career he has commissioned, maintained and dismantled multiple wastewater treatment systems globally.

Highlights of Peter's experience include:

- Being responsible for the operation of over twelve water and wastewater treatment plants and working on specialty projects in remote sites.
- Serving as a chief water and wastewater treatment plant operation consultant responsible for all remote site troubleshooting.
- Providing commissioning services to various treatment plant and equipment suppliers.
- Training personnel in water and wastewater treatment and plant maintenance.

As General Manager of Chimo Water and Wastewater, Peter organizes, implements and executes strategies for a multitude of work crews for the creation, installation and maintenance of Waste and Wastewater Treatment facilities in remote areas. Peter's diverse experience will enable him to reinforce course content with broad operational experience and to draw on that extensive experience when helping attendees with plant-specific questions and challenges.

Course Details:

Time: 8:30 a.m. – 4:30 p.m. Light breakfast and lunch provided.

Location:

EPCOR's Gold Bar Wastewater Treatment Plant
10977 – 50 Street, Edmonton, Alberta

CEUs approved: 1.2

Registration:

- Deadline to register is October 29, 2009
- Regular Fee: \$450.00
- Payment: Visa, MasterCard, Cheque (payable to the EWMCE)

Please confirm your registration by **Thursday, October 29, 2009** by completing the attached registration form and faxing/emailing it back to the Centre for processing.

Fax: (780) 969.8777

Email: ewmce@edmonton.ca

For mailing address, please visit www.ewmce.com.

This course is presented through a partnership of the EWMCE, AWWOA, and EPCOR Gold Bar.