

CALIBRATION OF WASTEWATER PLANT SIMULATORS

A 2-day interactive workshop, held by

**on September 22nd and 23rd, 2011
at our office in Hamilton,
Ontario, Canada**



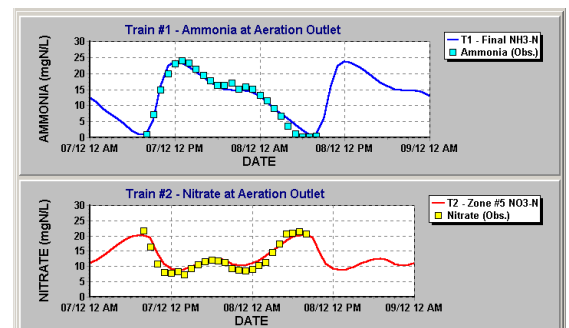
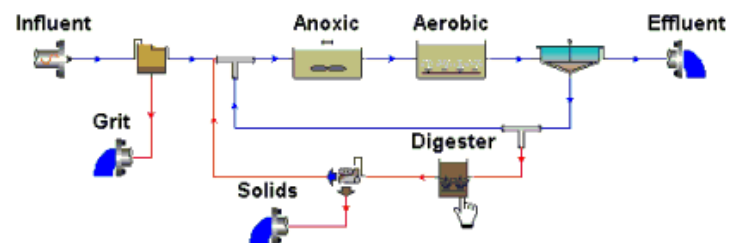
This **Two Day interactive workshop** is focused on **calibration**, universally recognized as the most sensitive issue in model-based activated sludge process design and optimization.

This seminar establishes a practical and reusable approach for a structured and fundamentally correct simulation study.

Presented using actual plant data in **BioWin**, the course includes comprehensive instructional material and specialty calibration software tools.

Course program:

- Overview of calibration in modeling.
- Influent COD fractions and their measurement.
- Tiered approach to calibration.
- TKN, phosphorus and other influent parameters.
- Methods for measurement of nitrification rate.
- Guidance to conduct bench-scale studies.
- Review of other nitrification parameters.
- Denitrification rate, anoxic yield.
- Other biokinetic model parameters.
- Parameters in oxygen transfer modeling.
- Clarification and thickening parameters.
- Case studies in modeling, traps to avoid.
- Calibration in practice – interactive demonstration.



EnviroSim instructors:

EnviroSim instructors have extensive experience in dynamic modeling, model development and calibration in a large number of projects they have managed.

EnviroSim recently completed the Water Environment Research Foundation (WERF) project on **Methods for Wastewater Characterization in Activated Sludge Modeling**.

Based on EnviroSim's recent extensive research on influent fractionation, kinetic measurements, experimental and calibration techniques.

REGISTRATION

BioWin Calibration Course in Hamilton, Ontario September 22nd & 23rd, 2011

I will attend this Training Course Signature : _____

Name(s) of Attendee(s) : _____

Name of Company : _____

Number of persons : _____ Total cost : _____ (Registrations are transferable)

CREDIT CARD INFORMATION (Please fill out all fields) : AMEX VISA OTHER

Card # : _____ Expiry Date : ____ / ____ Security # (3 or 4 digits) : _____

Cardholder Name (as it appears on card) : _____

Company Name (if it appears on Card) : _____

Address to which Card Statements are sent : _____

City : _____ Province/State : _____ Postal/ZIP Code : _____

Country : _____ Phone : _____ E-mail Address : _____

Commercial

Cost of the course: US\$ 1,025 per person, includes course manual and lunch (does not include hotel, travel, etc.). Please fax this registration before September 9th, 2011 to EnviroSim. Fax: +1 905 481 2610
Cancellation: No refund after September 16th, 2011. Registrations are transferable.

General

Laptop with BioWin 3 installed
(if you do not have BioWin, prearrange with EnviroSim).

The training will take place at :

ENVIROSIM ASSOCIATES
McMaster Innovation Park
175 Longwood Road South
Suite 114A
Hamilton, Ontario L8P 0A1
Canada

