

# CALIBRATION OF WASTEWATER PLANT SIMULATORS

A 2-day interactive workshop, held by

on December 8<sup>th</sup> and 9<sup>th</sup>, 2008



at the Punt Hill Conference Facility, Little Bourke, Melbourne, Australia.

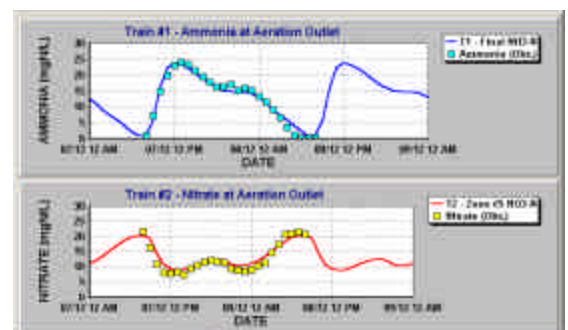
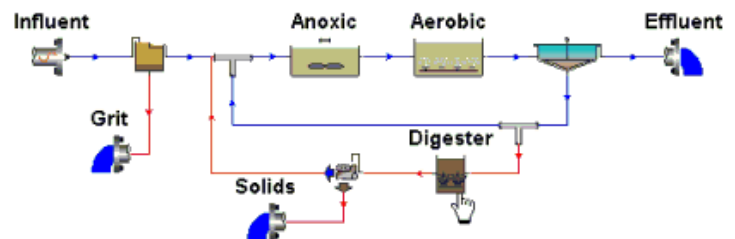
This **Two Day interactive workshop** is focused on **calibration**, universally recognized as the most sensitive issue in model-based activated sludge process design and optimization.

This workshop 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 approaches and information requirements.
- ? Tools and techniques for assessing plant datasets and identifying common problems.
- ? Organizing historical datasets for use in calibration.
- ? Hands-on calibration exercises.
- ? The role and objectives of calibration approaches:
  - o Steady state;
  - o Long-term dynamic.
- ? Wastewater characteristics used for modeling.
- ? Methods for obtaining wastewater characteristics:
  - o Bench-scale methods;
  - o Full-scale plant sampling.
- ? The importance of nitrification rate and guidance on the methods used for its measurement.
- ? The significance of key model parameters in calibration exercises.



## EnviroSim instructors:

Peter Dold and Mark Fairlamb's process engineering knowledge is world-renowned and they bring to this workshop their extensive experience in wastewater characterization, calibration and process modeling gained from numerous projects from around the world.

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

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



# Registration

Calibration of Simulators Workshop at the Punt Hill Conference Facility, Little Bourke,  
Melbourne, Australia on December 8<sup>th</sup> & 9<sup>th</sup>, 2008

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) : Credit Card Type :**

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\$ 1,085 per person, includes workshop manual and lunch (does not include other meals, hotel, travel, etc.) Cancellation: No refund after December 2<sup>nd</sup>, 2008. Due to the interactive nature of this workshop attendance will be limited to 25.

## General

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

**Punt Hill.** Conference Facilities are located at:

Little Bourke  
11-17 Cohen Place,  
Melbourne, VIC 3000

Local Tel : + 61 3 9631 1111 (Toll free: 1300 662 161)

Please fax this registration before November 25<sup>th</sup>, 2008 to EnviroSim - **Fax: +1 905 689 2200**

## Accommodation at Punt Hill, Little Bourke.

Studio Apartments - @ \$160pn  
One Bedroom Apartments - @ \$180.00pn  
Both include continental breakfast

email: [info@punthill.com.au](mailto:info@punthill.com.au) or  
call +61 3 9650 4409

Mention attendance to conference and rates quoted above.