



**Institute of Brewing and
Distilling
Asia Pacific Section**

BREWERY HYGIENE & CLEANING SYMPOSIA

SYDNEY PROGRAMME

SESSION 1

From 09.00

Registration

09.30 – 09.45

Introduction

Editor

09.45 – 10.30

**Why Cleaning is Important - Key Note Speaker
Sydney – Mike Preston – Alecia**

- The Importance of proper cleaning and sanitation procedures in breweries.
- The risks and costs of not having proper procedures (examples of brewery closures due to poor hygiene and/or inconsistent beer quality).

10.30 to 10.45 **Morning Tea**

SESSION 2

10.45 – 11.45

**An Introduction to Beer Spoilage organisms & Flavour Taints in Beer– Ecolab
D Lowry for NZ / Malcolm Swalwell in AUS**

- Beer spoilage organisms
- Biofilms
- At what stages of the brewing process can these bacteria be present and impacts on quality/flavour.
- Chemical taints – detergent & sanitizer residues

11.45 – 12.30

Designing Hygienic Plants Mike Spencer - Brewtique

- What is a hygienic design?
- Plant layout & design
- Design faults – dead legs/'shadows'/sweeping bends/poorly draining vessels/flexible hoses/surface scratches/corrosion.

12.30 – 13.00

Lunch

SESSION 3

- 13.00 – 14.00. **How to Clean Effectively** **Ecolab Malcolm Swalwell in AUS / Greg Dixon in NZ**
- What chemicals to use in which parts of the brewery and their effects
 - Difference between cleaning and sanitising
 - Manual versus CIP cleaning.
 - Typical brewery soils – what they look like and how to remove
 - Chemical concentrations /time/Temperature/Mechanical action
 - CIP systems
 - How to Know if Cleaning is Effective:
- 14.00– 14.45 **How to Sanitize Effectively** **Peter Bruce -Sopura**
- Sanitizer options – PAA/Chlorine/Iodine/QAC's
 - Cleaning & Sanitising of equipment externals, fillers, conveyors, hoses, walls, floors, drains etc.
- 14.45 – 15.30 **How to Handle and Safely Store Chemical Cleaners** - **Peter Bruce -Sopura**
- Chemical shelf life
 - Safe storage & handling of various different chemicals
 - Kits available to assist with storage, handling and spills
- 15.30 – 15.45 **Q & A + Tea & Coffee**
Participants will have the opportunity to raise any questions arising from the symposia with a panel of Presenters. Participants preferably to provide Questions in advance but questions will be taken from the floor.

SESSION 4

- 15.45 – 17.30 **Flavour tasting and Training** **Greg Organ – Lion Nathan.**
- Tainted beer samples provided for tasting
 - Various samples will be supplied to demonstrate common faults in beer, many of which will demonstrate the impacts of failure to clean equipment properly.
- 17.30 – 18.30 **Pre Dinner Networking Drinks**
Networking Dinner (at participant's cost)

VENUE

SYDNEY 11TH APRIL 2011
Lord Nelson Brewery Hotel
19 Kent St.
THE ROCKS SYDNEY NSW

COST

\$30.00 for IBD Members
\$60.00 for non-IBD Members