



## **Hazardous Area Basics**

**1-Day Workshop\***

**Tuesday 20 Mar 2012**

**Sydney (Liverpool)**

This workshop provides an introduction to safety and your responsibilities in Group II (flammable gases, liquids and vapours) and Group III (combustible dusts) hazardous areas.

This workshop is suitable as first time or refresher training for personnel requiring a basic introduction to hazardous areas. If you require an introduction to hazardous area electrical installations, please refer to our 2-Day workshop.

Potential sources of ignition are often taken into hazardous locations where flammable liquids, gases, vapours and dusts are generated, processed, handled and stored. These flammable substances can easily ignite from an arc, spark or heat. It is essential you avoid accidental ignition of these flammable substances.

Based on the current Australian Standards, trainees will receive a basic understanding of hazardous area legislation, how hazardous areas are classified, and sources of ignition.

Ensure you remain compliant\* and maintain your hazardous area skills and knowledge by enrolling on this essential workshop today.

### **Workshop topics:**

- How to prevent hazardous area fires and explosions
- Legislation, compliance and competency
- How Group II and Group III hazardous areas are classified
- How to read hazardous area classification drawings
- How to read equipment markings
- How to recognise sources of ignition

\*Continuing education or training is required - see Clause 1.7 of AS/NZS2381.1:2005 and Clause 4.7 of AS/NZS61241:14:2005

**Upon completion of this workshop trainees should:**

- Understand how to prevent hazardous area fires and explosions
- Be up-to-date with changes in the relevant hazardous area Australian Standards
- Understand legislation, compliance and competency
- Have existing hazardous area knowledge reinforced
- Know the basics of how Group II and Group III hazardous areas are classified
- Understand hazardous area classification drawings
- Understand equipment markings
- Understand sources of ignition

**Date of the Workshop:** Tuesday 20 Mar 2012

**Time:** 7.30-8.00 am Registration

Workshop runs from 8.00 am to 5.00 pm

**Venue:** Comfort Inn

Hunts Liverpool

Cnr Hume Hwy & York Street

Casula, Liverpool, NSW 2170

**Accommodation:** Available at venue. A special rate applies for trainees. Call 02 9601 5088 to make a reservation.

**CPD:** This workshop provides nine hours of Continuous Professional Development (CPD) to assist practicing professional engineers and technicians to develop and maintain their hazardous area technical skills and knowledge.

**Recognition:** *'Esso Training and Procedures Group has endorsed us as an approved provider of "Hazardous Area Wiring" refresher training for Esso maintenance and designated contractor technicians -*  
Marlene Huty, EAPL training Coordinator

**Full Workshop Fee:** \$420.00 + \$42.00 (GST) = \$462.00 per person.

Fee must be paid by start of the workshop.

**Workshop fee includes:**

- Comprehensive workshop notes
- Lunch
- Refreshments
- Workshop certificate

**Early Bird Discount:** **Save an amazing \$55.00** per person

**Early bird fee: \$370.00 + \$37.00 (GST) = \$407.00** per person

Fee must be paid by Monday 27 Feb 2012. Enrolment form and payment are required by the due date if discount is to apply.

**Enrolment:** Please complete and fax or email the enrolment form to secure your place. Upon receipt of your enrolment an invoice will be forwarded to you for payment by MasterCard, Visa, cheque or EFT. Payment is required by commencement of the workshop.

**Substitutes:** If an enrolled person is unable to attend a substitute is allowed at no extra charge. Details must be faxed or emailed in advance.

**Transfers:** Enrolment transfers to another workshop are not permitted.

**Cancellations:** A \$82.50 fee applies to each cancelled workshop place received in writing by Monday 27 Feb 2012. Regrettably, no refunds are available after this date or if a trainee fails to attend and no substitute fills the place. The workshop folder will be posted to the enrolled trainee. A letter will be mailed following payment in full advising a 40% discount applies on one future 1-day workshop place for each cancelled or no show booking. This offer is valid for 12 months and no further discounts will apply.

## **Workshop Outline**

### **1) Introduction**

- Hazardous areas
- Who is responsible
- Statute laws and Standards
- AS/NZS3000 non compliance issues
- Qualifications and competency

### **2) Hazardous Area Classification**

- Zone classification - Group II
- Gas classification - equipment group
- Temperature classification - T Class
- Ambient temperature range of explosion protected equipment
- Area classification - Group II
- Combustible dusts - Group III

### **3) Sources of Ignition**

### **4) Selection of Equipment**

- List of Australian Standards

### **5) Self Appraisal**

- Appraisal questionnaire
- Appraisal questionnaire answers

### **6) Discussion**

### **Delivery of Workshop**

Workshops are presented using PowerPoint slides, a video clips, video tapes and real hazardous area electrical equipment.

### **The Workshop Author and Presenter**

Colin Baker is a practising professional engineer, qualified workplace assessor (Certificate IV) and workplace trainer who has been involved with surge protection, intrinsic safety and hazardous area installations since 1970. He has worked for some of the major manufacturers of hazardous area instrumentation and has gained significant surge protection and hazardous area experience through designing, installing, commissioning and inspecting equipment and installations.

Colin has provided training and technical support to many chemical, petrochemical and public utility companies around the world and has written and presented numerous papers locally and internationally.

An H Class Licensed Electrical Inspector (Vic) and an Accredited Auditor (Qld), Colin is qualified to inspect hazardous area electrical installations under the 2009 Victoria Electricity Safety (Installation) Regulations and the 2002 Queensland Electrical Safety Regulation.

He sits on the joint Australian/New Zealand Standards sub-committees for the preparation of the standards on Intrinsic Safety and industrial hazardous area trucks. He also sits on the Petroleum Industry Contractors Association electrical sub-committee.

Explosion Protection Technology is a leading independent and Australian owned consulting and training organisations founded by Colin. The company specialising in the safety of hazardous area electrical installations based on the current Australian Standards including:

- Classifying hazardous areas
- Checking electrical installations located in hazardous areas
- Assisting clients to obtain certification of hazardous area electrical equipment
- Running hazardous area workshops

## Enrolment Form

### Hazardous Area Australian Standards Simplified 1-Day Workshop Tuesday 20 Mar 2012, Sydney (Liverpool)

Please print clearly when completing this form

Name: Mr / Ms / Dr

\_\_\_\_\_  
(First Name and Surname for Name Badge. If name is  
different for Certificate please print below.)

Job Title:

Company Name:

Address:

Postcode

Telephone:

Fax:

Email:

**To secure your place in this workshop please complete this Enrolment Form and the Payment Form and fax to 03 9707 3110 or email [sue@eptech.com.au](mailto:sue@eptech.com.au)**

The payment can be made by credit card (MasterCard or Visa), cheque or EFT. A Tax Receipt will be forwarded to you upon receipt of payment.

### **Checklist:** (Tick the box to ensure your booking is complete)

**Remember if you book and pay by the due dates (see Page 3), you will receive substantial discounts off the full workshop price.**

- Complete Enrolment Form
- Complete Payment Form
- Forward both completed forms by fax or email. Contact details below.

### Payment Form

Please print clearly and fax or email this Payment Form together with your Enrolment Form and Purchase Order (if applicable).

Company Name: \_\_\_\_\_

Name of Person making payment: \_\_\_\_\_

Telephone: \_\_\_\_\_

Fax: \_\_\_\_\_

Email: \_\_\_\_\_

Date of Payment: \_\_\_\_\_

Amount being paid: \_\_\_\_\_

**Workshop fees:** Ensure we receive your Enrolment Form and your payment together.

**By Monday 27 Feb 2012:** \$370.00 + \$37.00 (GST) = \$407.00 per person

**After Monday 27 Feb 2012:** \$420.00 + \$42.00 (GST) = \$462.00 per person

**The workshop fee must be paid by start of the workshop.**

**Please tick the method of payment.**

**EFT** Bank: ANZ, 92 High Street, BERWICK, VICTORIA, 3806

BSB: 013 542 Account Number: 5852 85151

Account Name: Explosion Protection Technology

**Cheque** Payable to: **Explosion Protection Technology**

Post cheques to: Explosion Protection Technology

PO Box 216, BERWICK, VICTORIA, 3806

**Credit Card** VISA  MASTERCARD

Card Number: ..... Expiry Date: .....

Name on card: .....

Credit Card CVV Number (last 3 digits of the number printed on signature strip):

.....

Signature of Authorisation: .....

**Payment of Eptech Invoice** Please pay invoice immediately upon receipt of your Eptech invoice.