



## CHILWORTH TECHNOLOGY, INC.

*presents*

## A ONE-DAY TRAINING COURSE:

# OSHA Dust Explosion Inspection Preparatory Training

Chilworth Technology Inc. has developed a training course specifically designed to prepare you for a targeted OSHA dust explosion hazard inspection at your facility. The course addresses four primary focus areas including; (1) combustible dust accumulations within your facility; (2) specific plant operations that may be targeted by OSHA; (3) classification of electrical equipment and (4) the Hazardous Chemical Communication Standard requirements.

### Course Duration

This course will be approximately 6-7 hours which includes background information on dust explosion hazard assessment and control.

### Who Should Attend

Technical and Management Personnel from the Chemical and processing industries including bulk and finished pharmaceutical, bulk and fine chemicals, detergents & soaps, petrochemicals, food and drink, plastics and rubbers, metals, textile, paper and lumber, agrochemicals and dyes and paints.

### Benefits

This training will prepare the attendee for a targeted OSHA dust explosion hazard inspection at their facility. Course participants will be able to identify the areas that OSHA will focus on in carrying out this type of inspection. Upon completion of the course, the attendees will know how to prepare for the inspection and address any issues that may arise or to mitigate hazards that may currently exist prior to the arrival of the inspector.

*For full details of the course contents and details, please see page 2 of this attachment.*

*Join us for our one-day training course regarding OSHA Dust Explosion Inspection Preparatory Training. Space is limited; so if you would like to register, please contact Mrs. Victoria R. Jones at 609-799-4449 or email to [safety@chilworth.com](mailto:safety@chilworth.com).*

*Course fees must be received before the course commences. Course fees include continental breakfast, lunch and course notes. CANCELLATION POLICY – No refunds will be made if cancellations are made within 14 days prior to the course date; a possible credit may be arranged. Chilworth reserves the right to make last minute changes and/or cancellations.*

**DATE:** May 20, 2010  
**TIME:** 9:00am-5:00pm (including Lab Tour)  
**LOCATION:** Chilworth Technology, Inc.  
250 Plainsboro Rd, Bldg #7  
Plainsboro, NJ 08536  
Tel: 609-799-4449  
Email: [safetv@chilworth.com](mailto:safetv@chilworth.com)

**DATE:** June 10, 2010  
**TIME:** 9:00am-5:00pm  
**LOCATION:** Houston Airport Marriott  
George Bush Intercontinental Airport  
18700 John F. Kennedy Blvd.  
Houston, TX 77032  
Tel: 281-443-2310

**DATE:** June 24, 2010  
**TIME:** 9:00am-5:00pm  
**LOCATION:** Crowne Plaza Chicago O'Hare  
5400 North River Road  
Rosemont, IL 60018  
Tel: 847-671-6350

**DATE:** July 29, 2010  
**TIME:** 9:00am-5:00pm  
**LOCATION:** Embassy Suites San Francisco Airport  
250 Gateway Blvd  
South San Francisco, CA 94080  
Tel: 650-589-3400

**DATE:** September 30, 2010  
**TIME:** 9:00am-5:00pm  
**LOCATION:** Renaissance St. Louis Airport Hotel  
9801 Natural Bridge Road  
St. Louis, MO 63134  
Tel: 314-429-1100

**DATE:** October 28, 2010  
**TIME:** 9:00am-5:00pm  
**LOCATION:** Wyndham Garden Atlanta Airport Hotel  
5010 Old National Highway  
Atlanta, GA 30349  
Tel: 404-768-9199

**COST:** \$495.00 each course

# ONE DAY COURSE

## OSHA Dust Explosion Inspection Preparatory Training

### Course Contents – Slide Presentation

- The Dust Explosion Hazard Primer**
  - Background
    - The Fire Triangle
    - Conditions for a Dust Explosion
  - Flammability of Dusts
    - Sensitivity to Ignition
    - Explosion Severity
    - Factors Affecting Flammability
  - Establishing a Basis of Safety – An Overview
    - Elimination of Ignition Sources
    - Avoidance of Flammable Atmospheres
    - Provision Against the Consequences of Ignition
- Introduction to the Preparatory OSHA Dust Inspection Training**
  - Background Information Concerning the Recent Emphasis for Targeted Dust Explosion Hazard Inspections
    - Incident History of Dust Fires and Explosions in the Process Industry
    - The Chemical Safety Board Report
    - The OSHA National Emphasis Program
- Codes and Standards**
  - OSHA Regulations and the General Duty Clause
  - Consensus Standards – NFPA, FM, State and Local Building Codes
- Elements of a Targeted Inspection**
  - Explosion Hazards
    - Housekeeping
    - Process Equipment
  - Energy Control
    - Lock Out /Tag Out
    - Electrical Classification
  - The Hazardous Communication Standard
    - What are your Responsibilities as an Employer/Employee?
    - The Hazardous Communication Plan
    - Information and Training Requirements for Employers
  - Actual OSHA Citations Written Under the General Duty Clause
    - Examples of Citations
    - Remedial Measures to Abate Them
- What Can You do To Prepare**
  - Housekeeping Do's and Don'ts
  - Electrical Classification Schemes
  - Consensus Standards and Their Application To Your Facility
  - Dust Hazard Assessment Strategies
- Q&A and Group Discussion**
- Course Evaluation Feedback Form**
- Quiz**

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