

# Combustible Dust Explosion Inspection Seminar



## (312) 236-8304 ISC FAX | (312) 372-9756 ISC PHONE | WWW.ILSAFETYCOUNCIL.ORG



# Honeywell

**Analytics** 





**Seminar Dates** Thursday, January 22nd, 2009 Thursday, February 18th, 2009 Thursday, March 26th, 2009 Start: 8:30 a.m. - End: 4:30 p.m.

#### LOCATION:

University of Illinois BIS 1100 E. Warrenville Rd Naperville, IL 60563

Fly into either -Midway or O'Hare airports. Book your room at the: Fairfield Inn & Suites Naperville 1820 Abriter Court - Naperville, IL 60563 - (630) 577-1820. Tell them "Dust Conference" \$104 per night government rate. First come first serve. 10 day cut-off. Walk to local and national restaurants. Hotel offers free internet, breakfast, pool and more.

#### PRESENTERS:

Joseph Howicz - Presenter: CSP and Fire Protection Expert. Howicz has worked as a senior compliance officer and investigator for OSHA and served at the OSHA National Training Institute. He holds a Master of Public Health degree in Environmental and Occupational Health Sciences from the University of Illinois.

Anthony Towey - Presenter: CIH and with a BS in Chemistry. Lead Industrial Hygienist supervising Compliance Safety and Health Officers and Whistle Blower Investigators.

Is your facility or plant at risk for a dust explosion? Are your employees at risk? Is your business at risk?



- Are your employees protected from dangerous equipment, room or building deflagrations and explosions?
- Is your operation protected from prolonged shut-downs and delays in production?
- Are you removing dust quickly enough to meet OSHA's housekeeping requirements?
- Do your efforts meet standards for prevention and mitigation?



Get the Answers at this Seminar!

and Fire Protection

Expert. Howicz

has worked as a

investigator for

OSHA and served

National Training

officer and

at the OSHA

Institute. He

holds a Master of Public Health

degree in Environmental and

Occupational Health Sciences

from the University of Illinois.

senior compliance

Presenters:

JOSEPH HOWICZ - Presenter: CSP

### Combustible Dust Explosions Seminar Outline

Morning Session - Hazard Recognition, Control and Inspection

#### I. Dust Explosions - An Occupational Safety and Health Problem A. Background

- Organic dust explosions
- Metal dust explosions Grain handling industry
- B. Elements of a Dust Explosion
- C. Facility Dust Hazard Assessment
- **Dust Combustibility** 
  - **Electrical Classification** 

    - Equipment using dust and locations where dust can settle

### II. Preventing and Mitigating Dust Explosions

A. Methods used to reduce

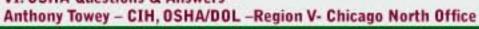
- The potential for a combustible dust explosion or
- The severity of an explosion B. Training for plant and employee protection
- Employees
- Supervisors and Managers C. Guidelines and standards
  - NFPA
  - Other information
- III. OSHA Combustible Dust National Emphasis Program
  - A. Scope and application of the inspection program B. Inspection methods and procedures
  - C. Applicable standards and their interpretation
  - Afternoon Inspection Details, NFPA 654 as a Control Strategy

### IV. OSHA Combustible dust inspection details

A. OSHA's recommended questions for the compliance officer

#### B. Inspection and audit guidelines V. NFPA 654

- Prevention of Dust Explosions from Combustible Particulate Solids A. Administration, Referenced Publications, Definitions **B.** General Requirements
  - C. Performance Based Design Option
  - D. Facility and Systems Design E Process Equipment
  - F. Fugitive Dust Control & Housekeeping
  - G. Ignition Sources H. Fire Protection
  - I. Training and Procedures
- J. Inspection and Maintenance VI. OSHA Questions & Answers –



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Lunch & Presentation Materials.

Certificate of Completion-CEU's from

the University of Illinois at Chicago

ANTHONY TOWEY -OSHA/DOL; CIH Is assigned as the Lead Industrial Hygienist supervising Compliance Safety and Health Officers and Whistle Blower Investigators. Anthony

ILLINOIS

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Occupational Safety and Health

Administration

reports to Kathy O'Connell, Area Director of the Chicago North Office. Anthony has a BS in Chemistry was hired by OSHA in March of 1997, he became a certified industrial hygienist in 2003. He has worked for both Diane Turek and John Maronic of OSHA. Anthony was with the OSHA Training Institute as a Safety Instructor in June of 2002 until July of 2005.



University of Illinois -BIS Center - 1100 E Warrenville Rd, Naperville - Illinois - USA Thursday - January 22nd ■ Wednesday - February 18th ■ Thursday - March 26th

Full Day Attendee - ISC Member - \$255 Non-Member - \$295 ISC FAX: (312) 236-8304 - ISC Phone: (312) 372-9756 - www.lLSafetyCouncil.org STREET ADDRESS \_\_\_\_\_ CITY \_\_\_\_\_STATE \_\_ZIP CODE \_\_\_\_ TELEPHONE\_\_\_\_\_\_E-MAIL\_\_\_\_\_ Please indicate payment type: ISC FAX: (312) 236-8304 \_\_Check Enclosed or\_\_\_\_\_Invoice

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