

OMCSI NEWSLETTER



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INSIDE THIS ISSUE

Accident Investigation	1
Congratulations	1
OMCSI to Co Sponsor with Ivy Tech Wabash River Terri Haute, IN Facility Plant Water Chemistry Training	2
OMCSI Conducts an Advance ASOPE Preparatory Course at Ivy Tech Community Collage Kokomo, IN	2
Little Know Facts	3
HVAC Classes Start April 1, 2010	3
Facilities Support Janitorial Services Safety Videos	4

Accident Investigation

By Cheryl Fussnecker

Thousands of accidents occur throughout the United States every day. The failure of people, equipment, supplies, or surroundings to behave or react as expected causes most of them. Accident investigations determine how and why these failures occur. By using the information gained through an investigation, a similar, or perhaps more disastrous, accident may be prevented. It is important to conduct accident investigations with prevention in mind.

Accidents will happen". We have all heard that statement before. Unfortunately, sometimes it is true. In spite of our best efforts, things occasionally do go wrong. While many accidents seem to happen for obvious reasons, there may be things that contribute to an accident which are not always apparent. That is why it is vital to conduct a thorough Accident Investigation.

OMCSI/MARCOM training products on "Accident Investigation" show employees steps that are taken in an accident investigation, and highlight how important it is for employees to fully cooperate with any inquiry. They also point out that while an investigation's focus is to determine the cause of an accident, the overall goal is to prevent similar accidents from happening again. The topics covered in the products include:

- The goals of an accident investigation.
- Securing an accident scene.
- "Root-cause" analysis.
- The importance of investigative interviews.
- Assisting in an accident investigation.
- Reporting the "near misses".
- The role of policies, equipment and training on accident prevention.
- and more.

Congratulations:

Seven students complete the 126-Hour State of Ohio Stationary Steam engineer course. Picture below are five of the eight students:



Rear row right to Left Tony Wilson, Rick Fox, Eric Musselman, Front Row Right to left Wayne McClure, Leslie Finn not present for the picture Brandon Hornsby and Ryan Webster.



Continuation Page 1

After completion of the Ohio Certificate of Completion the all students taken the American Society of Power Engineers Second Class Facilities test and pass with outstanding grades.

OMCSI to Co-Sponsor with Ivy Tech Wabash River, Terre Haute, IN Facility Plant Water Chemistry Training

Reduce hydrogen damage, reduce boiler tube failure, and improve unit reliability. Minimize corrosion deposition. Learn the proper response when chemical limits are exceeded. Understand the consequences of operation while boiler and feed water chemistry limits are being exceeded, proper laboratory QA/QC water testing methods, and how to calculate safe contaminant levels in boiler and feedwater.

This 2-Day Seminar is designed for facility plant operators and supervisors. The seminar provides an understanding of the role of chemistry in a facility plant, the effects of chemical excursions, and how to determine chemical limits. It also provides a discussion of testing methods, the need for a quality assurance/quality control program, and how to set up a QA/QC program.

OBJECTIVES

Upon successful completion of the Seminar, the participant should be able to:

1. Describe various chemical treatment programs
2. Determine chemical limits for a unit.
3. Respond properly to chemical excursions
4. Describe proper sampling and analysis methods
5. Discuss the components of a QA/QC program
6. Describe the mechanisms for various types of corrosion and how this corrosion is controlled.

Information on 2-Day Seminar August 16 and 17, 2009 being conducted at Ivy Tech Community Collage Wabash Valley
Contact Harold Wortman @ 1-800-377-4882

OMCSI Conducts an Advanced ASOPE Preparatory Course at Ivy Tech Community Collage Kokomo, IN



Students from the northern part of Indiana work to get the second and first class ASOPE Licenses. This course offered by Ivy Tech Community College is offered several times a year.

Little Known Facts

It is a little known fact, and one that is hard to imagine today, that from the early 1840's to well into the 1920's, more than 50,000 people were killed and 2 million injured each year by boiler explosions in North America.

Today, unfortunately unsafe boilers and pressure vessels can and do suffer catastrophic failures. The injuries and deaths attributed to boilers and pressure vessels today, although few by comparison, do happen. Catastrophic events are greatly reduced through mandatory greatly reduced through mandatory safety inspections required by all fifty states and 13 providences in Canada.

Continued for page 2

Boiler explosions can occur when there is excessive pressure. When the boiler can no longer contain the excessive pressure allowed to build in the boiler, the boiler explodes. Excessive pressure accidents can completely destroy a building.

Fuel-related explosions can occur when there is a failure to purge combustible gases from the firebox before ignition is attempted. Leaking fuel valves can also be the cause of explosions. In some cases, a boiler explosion can be caused when the boiler is allowed to operate without adequate water.

1. Injury and death from a boiler explosion can be caused by the shock wave created by the explosion, flying pieces of debris, steam and heat.
2. Design and manufacture. When a boiler explosion injury or death is caused by a flaw in the design and/or manufacture of a boiler, there may be a product liability claim against the manufacturer, the owner of the boiler and others. These claims are strict liability claims, meaning the injured party does not have to prove that there was negligence on the part of the manufacturer.
3. Design flaws could include improper material selection, poor structure design, lack of safety accessories, etc. Manufacturing defects could include poor assembly, inadequate testing, inadequate inspection, etc.
4. Management. When a boiler explosion injury or death is caused by improper management of the boiler system, the company or companies responsible for this, the owner of the boiler, the owner of the building and others may be liable. Improper management can include failure to provide safety equipment, failure to provide the necessary water, failure to prevent excessive pressure, failure to monitor, failure to detect a problem, failure to operate the boiler in the manner prescribed by the manufacturer, insufficient training, .
5. Maintenance and Repair. When a boiler explosion injury or death is caused by maintenance and/or repair, the company or companies responsible for this, the owner of the boiler, the owner of the building and others may be liable.

Several causes may contribute to the boiler explosion and the severity of injuries. In many cases, more than one company is found liable for the injuries or death.



HVAC Classes Start April 1, 2010

One week before the course is to start the class is full, OMCSI will run another course latter this year, watch for the dates.

O&M Consulting Services, Inc (OMCSI) proposes to present a 150-Hour HVAC Training Course at its Corporate Office Located at 139 W Tate Street, Lawrenceburg, Indiana 47025.

HVAC Course covers all aspects of residential and commercial HVAC systems. Topics included are specifically designed for HVAC and building maintenance technicians. The text includes an introduction to HVAC fundamentals, types of HVAC units, load calculations, residential and commercial controls, with maintenance, troubleshooting, and servicing procedures.

The main focus of the text is on HVAC unit operation, HVAC unit mechanical, electrical, and pneumatic systems, and the safety practices required working on HVAC units and systems. The textbook also covers the latest technology in combustion of fuels, heat pumps, control systems, and system design.

Those whom are qualified at the end of the course may take the ASOPE HVAC Test.

**Facility Support Janitorial
Services
Safety Videos**



Custodial/Janitorial Services
15001A (English or Spanish) (12
min.)

This video meets OSHA training requirements for exposure to general hazards. Basic safety information suitable for training new and experienced employees.

This video is also found in most all other categories, being somewhat modified for the category in which it is HAZARD COMMUNICATIONS FOR JANITORS & CUSTODIANS - Custodial/Janitorial Services 15002A (English or Spanish) (11 min.)

Meets OSHA training requirements. Explains MSDS, labeling requirements, chemical safety, and accident prevention when using hazardous materials and chemicals in this industry.

Why do you need a safety program in your workplace? Taking risks is a part of running a business, particularly for small business owners. You take risks in product development, marketing, and advertising in order to stay competitive. Some risks are just not worth the gamble. One of these is risking the safety and health of those who work for you.

You can reduce the costs associated with workplace injuries and illnesses by implementing an effective safety program. When you make safety a priority and actively promote safety to your employees, you can change your employee's behavior toward safety and reduce the number of workplace accidents.

CARE OF SUPPLIES, CHEMICALS, AND EQUIPMENT - Custodial/Janitorial Services 15004A (English or Spanish) (13 min.)

Aimed at training janitors/custodians in proper care and treatment of expensive equipment, and how to conserve supplies and chemicals. Savings can be realized and work accomplished in a productive manner when employees are properly trained and motivated to take care of equipment and materials.

FLOOR CLEANING TIPS -
Custodial/Janitorial Services
15005A (English or Spanish) (13 min.)

Everyone does not know how to clean floors. Program designed to improve appearance and floor safety regardless of the type of floor. Saves time, money, and effort.

OSHA'S NEW HAZARDOUS ENERGY SOURCE (Lockout/Tagout) -
Custodial/Janitorial Services
15006A (English or Spanish) (10 min.)

Meets OSHA's training requirements for "affected" and "authorized" employees. This program is extremely helpful in training employees working with or around any type of machinery and equipment. This program is also found as 1004a, being somewhat modified for the category in which it is found.

SANITATION & CLEANLINESS IN FOOD SERVICE ESTABLISHMENTS -
Custodial/Janitorial Services
15007A (English or Spanish) (12 min.)

Explains sanitation and cleaning procedures, safety, and necessary information to improve cleaning and sanitizing in food service areas



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