



DAYTON, OHIO REGIONAL HAZ-MAT RESPONSE TEAM NEWSLETTER

February 2005

Denny Bristow, Coordinator
dbristow@daytonhazmat.com

Pager 937-334-3660 Cell phone with voicemail 937-901-5112

Are you REALLY Safe?

Are you sure the electrical equipment you are betting your life on is rated for your work environment?

Thanks to Kirby Morales, Dayton PD, for bringing the following to our attention.

The National Electric Code defines hazardous location classifications and protection techniques.

The basic designation is by *class and division*. For example:

- **Class I** locations are where flammable gases may be present in sufficient quantities to produce explosive or flammable mixtures.
- **Class I** locations can be described as hazardous because of the presence of combustible dust.
- **Class III** locations contain easily ignitable fibers and flyings.
- **Division 1** designates an environment where flammable gases, vapors, liquids, combustible dusts or ignitable fibers and flyings are likely to exist under normal operating conditions.
- **Division 2** is an environment where flammable gases, vapors, liquids, combustible dusts or ignitable fibers and flyings are not likely to exist under normal operating conditions.

Hazardous atmospheres are further defined by *groups*.

Group A: atmospheres containing acetylene.

Group B: atmospheres contain hydrogen or gases, or vapors of equivalent hazard such as manufactured gas.

Group C: atmospheres contain ethyl-ether vapors, ethylene, or cyclopropane.

Group D: atmospheres contain gasoline, hexane, naphtha, benzene, butane, propane, alcohol, acetone, benzyl, lacquer solvent vapors, or natural gas.

Group E: atmospheres contain metal dust - including aluminum, magnesium, and their commercial alloys, and other metals of similarly hazardous characteristics.

Group F: atmospheres contain carbon black, coal or coke dust.

Group G: atmospheres contain flour, starch, or grain dusts.

All ratings are for atmospheres containing no more than **21% Oxygen**.

This may be an ideal time to evaluate your equipment and, if needed, update procedures.

Check those hand lights!!

Please refer to the NEC for complete details.

Welcome

Please welcome our newest Team member:
Kevin Shea—Sugar creek Twp. F.D.
Please welcome Kevin when you see him.

2005 Training Schedule

Training for 2005 will mainly consist of hands-on sessions. The subject matter for each month is open at this time. In 2005 we will be putting a new Haz-Mat 1 in service and will receive numerous pieces of new equipment. The equipment will be utilizing new technology and will require our Team to train with some pieces repeatedly to develop the familiarity required to be proficient in its use, care and maintenance.

March training is moved to the second week to avoid conflicts with Easter/Spring break.

February Training

February training will be conducted by Jon Reichman, RN of Miami Valley Hospital. The subject is Radiation Safety and Survey Instruments. Jon is putting a great presentation together—you will enjoy his style.

We will be at the Dayton FD Training Center on McFadden Avenue, which is off of Springfield Street.

January

No Training

February 17-18-19

0900-1200 hours

Dayton Fire Training Center
Radiation Safety

March 10-11-12

0900-1200 hours

April 21-22-23

0900-1200 hours

May 19-20-21

0900-1700 hours

June 16-17-18

0900-1200 hours

July 21-22-23

0900-1200 hours

August 18-19-20

0900-1200 hours

September 15-16-17

0900-1700 hours

October 20-21-22

0900-1200 hours

November 17-18-19

0900-1200 hours

December

No Training