



DAYTON, OHIO REGIONAL HAZ-MAT RESPONSE TEAM NEWSLETTER

April 2005

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Chlorine

On March 8 we had an incident at the Dayton Water Treatment facility involving a one ton Chlorine cylinder. The DFD crews did a superb job (as usual) handling the incident. Three separate Level A entries were made into the hot zone to control the leaking cylinder. A *Chlorine B Kit* was installed to control the leaking product valve.

Let's take a quick look at Chlorine to help prepare for this month's training:

- A greenish yellow gas with a pungent odor.
- Toxic by inhalation.
- Does not burn but, like oxygen, supports combustion.
- Vapors are much heavier than air. Vapor Density = 2.49
- Mixture with fuels may cause explosion. Hydrogen and Chlorine mixtures are exploded by almost any form of energy (heat, sunlight, sparks.)
- Must protect lungs, eyes and skin from exposure.
- Must protect body parts from cold if exposed to liquid.
- If contaminated with liquid, decontaminate immediately.

Please refer to an MSDS for complete information.

As with any release of Hazardous Materials, **you** must evaluate the situation with the following in mind:

1. Assess the need for **rescuing** victims and/or protecting potential victims.
2. What is the **material**?

3. What are the **properties** and hazards of the material?
4. How much has been **released**?
5. How much is **remaining** in the container? What is the **potential** of the situation? A 55 gallon drum with a large hole will be empty by the time you arrive. A leaking valve fitting on a 5,000 gallon tanker will keep you tied up for days if it is not mitigated.
6. **Where** has the release occurred, outdoors or indoors? A gallon of gasoline spilled in a parking lot is an entirely different problem than a gallon of gasoline released inside of an occupied place of assembly.

By evaluating the situation using the above guide as a starter, you should be able to get an idea of the seriousness of the incident. This is usually referred to as a site specific and immediate **Hazard Analysis**.

Remember, the Regional Haz-Mat Team is only a phone call away, call any time (937-901-5112.)

New Vehicle Update

The new Haz-Mat 1 is at Bush Industries having the interior finished. It should be in service by the end of May.

Welcome

The Miami Valley Fire/EMS Alliance Executive Committee has selected Charles Wiltrout, retiring Butler Township Fire Chief, as the new Executive Director. Chief Wiltrout has been very supportive and an integral part of Regional Haz-Mat, and we look forward working with him.

Training

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.

Many thanks to Lt. Gary Rettig for an excellent presentation last month. Gary worked hard preparing for the presentation on bonding and grounding. Thanks for all of your efforts.

April Training

April training will be conducted by the staff at the City of Dayton Division of Water Supply and Treatment. They will provide an overview of their operations and the materials they use. The emphasis will be on handling Chlorine releases. *This will be hands-on training.*

Training will be conducted at the Treatment facility located at 3210 Chuck Wagner Lane, Dayton 45414. Enter the gate across the street from Kitty Hawk Golf Course. The attendant on duty at the gate has a list of our team members and will admit you. *Bring a hardhat and eye protection if you have them.*

2005 Training Schedule

April 21-22-23

0900-1200 hours

Training will be conducted at the Treatment facility located at 3210 Chuck Wagner Lane, Dayton 45414. Enter the gate across the street from Kitty Hawk Golf Course. Bring a hardhat and eye protection if you have them.

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