



DAYTON, OHIO REGIONAL HAZ-MAT RESPONSE TEAM NEWSLETTER

JULY 2004

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Sanitary Sewer Systems

Last month we reviewed spills entering storm sewers and waterways. This month, let's take a peak at what hazards are encountered when Hazardous-Materials enter a sanitary sewer system.

As their name implies, Wastewater Treatment Plants are designed to accommodate and treat all types of waste. When Haz-Mats are released into the waste stream it can have a disastrous effect on not only the treatment facility, but also to the many (hundreds to thousands) customers tapped into the system from the point of the spill to the plant.

If flammable liquids enter the sanitary system, precautions must be taken to prevent the vapors from creating flammable or explosive environments in structures along the sewer line and also at the treatment facility. Air monitoring equipment must be utilized and the treatment facility must be notified immediately. The correct and best method of mitigation may be dilution or vapor suppression using foam concentrate. Each and every situation must be evaluated and input from the Wastewater Treatment Plant operators solicited.

When poisons or toxic materials enter the system, flammability may or may not be a factor. These Wastewater Treatment Facilities use "bugs" to eat the contaminants. The bugs are living organisms and are very fragile. Most facilities have a diversion tank to hold waste that may harm the bugs.

When any Hazardous Material enters a sanitary sewer system, it is imperative that the operators of the system be notified so appropriate action may be taken. As always, don't hesitate to contact the Coordinator.

Vehicle Update

The new Haz-Mat 1 vehicle specification has been finalized and was submitted to Montgomery County EMA to start the purchasing process. Many thanks to all who had input on what you want to see in the new vehicle. The funding from Greene and Montgomery Counties is also greatly appreciated.

WMD Drill

The WMD drill at Nutter Center was a great learning experience for all involved. The Team worked closely with the Dayton PD Bomb Squad and the Civil Support Team. Our experience in the past years has shown that when we work closely with other agencies it makes our operations run smooth when the chips are down at real incidents.

Thanks to DuPont (Aaron Smith)

I would like to thank Aaron Smith and DuPont Electronics Technologies for their hospitality during our June training.

We started each morning with a continental breakfast followed by a very informative classroom presentation and a no holds barred

tour of the facilities. Following the tour we were treated to a Pizza buffet. This may not sound like a big deal to some, but Firefighters do not expect and very seldom get a *thank-you*. At DuPont we were thanked and received a FREE lunch.

THANK YOU, AARON!!!

July Training

This month's training was originally scheduled to be held at Miamisburg FD but has been moved to Dayton Fire Training Center. Our dates are the 15th, 16th & 17th from 0900-1200 hours each day.

2004 Training Schedule

July 15, 16, 17

0900-1200 hours

Location: **Changed to** DFD TC

Equipment Training

August 19, 20, 21

0900-1200 hours

Location: TBA

Vehicle Training

September 16, 17, 18

0900-1700 hours

Location: DFD TC

Technician Refresher

October 21, 22, 23

0900-1200 hours

Location: TBA

Scenarios

November 18, 19, 20

0900-1200 hours

Location: TBA

CAMEO & Technician Refresher