

# Northwest Arkansas Regional Hazardous Materials Exercise

May 3, 2013

The scenario is an Anhydrous Ammonia leak from a liquid line inside the compressor room. The prop for the drill will be a length of pipe painted and marked to look like an actual ammonia pipe. There will be water flowing from the pipe to simulate a liquid ammonia leak. The water will be provided by an engine on scene or a fire hydrant for this drill. There will be a smoke machine to add a haze in the room. The Springdale Fire Department will provide the props needed for this scenario

The on scene drill controllers will be provided meter readings and detections capability responses that are appropriate to the scenario.

All entries will follow local, state, and federal guidelines and policies regarding back up teams, pre entry medical checks and all applicable safety guidelines.

A local poultry plant will report an ammonia leak in their engine room. They have staff on scene that attempted to stop the leak.

The first unit will arrive and investigate the reported incident according to local policy. This may be in the form of an “investigation group” or “recon group” according to ICS standard practice for the community. . There are no life safety issues. All plant personnel have evacuated the plant and are accounted for.

The regional hazardous materials resources will arrive and integrate with the local incident commander to setup for a formal level “A” entry to fix the leak. At a minimum, the regional resources should work to setup the following ICS functions:

1. Incident Command
2. Safety Officer
3. Medical Group

4. Entry Group
5. Decontamination Group
6. Recon/Investigation Group
7. Rapid Intervention
8. Science/Research Unit

The hazardous materials personnel on scene should work together to coordinate setting up common communications and successfully stopping the leak using best practices. The successful completion of the exercise shall include address the following items:

1. Exclusion zones clearly established
2. Necessary ICS functions setup and operational
3. Decontamination methods appropriate for chemical
4. Standard safety precautions utilized
5. Common communication established

The script of the scenario involves the Recon / Investigation Group entering the engine room and locating a pipe painted yellow and marked "Liquid Recirc. Line" with a flow of liquid from it. The liquid will be water for this scenario. This team will utilize appropriate detection equipment.

The situation shall be reported to the IC and allow the Entry Group to bring appropriate supplies for stopping the leak (pipe patching kit).