

# CODE Red Resource

## assists in storage tank emergency support services



Ice jeopardizes equipment, structures, and personnel

January 13, 2005:

Conoco Phillips Wood River Illinois Refinery activated its (EOC) Emergency Operation Center to aid in a storage tank incident occurring at a neighboring industrial facility for which ConocoPhillips provides mutual aid response.

6:00 p.m.: Having contacted Hayden and Company for onsite technical support with foam logistics, Larry Forehand / Conoco Phillips HES Supervisor, and Rick Haase / Fire Chief, briefed the Command Post team Ed Uetz / Incident Commander, Glen Cooper / Operation Chief, Dave Batty / Safety Officer, Jim Housman / Entry Team Leader on the nature of the tank incident and on-going response operations:

Apparently the floating roof of a 110'-0" diameter storage tank sunk earlier in the day damaging the tank floor allowing gasoline to seep into the dyke area. Foam applications were underway to mitigate vapors from the gasoline in the dyke.

The emerging objective was to prevent potential ignition of escaping vapors by nearby process unit operations while the storage tank owner/operator continued to pump down the affected tank to transfer product as quickly as possible.

As night fell, weather conditions became extremely harsh. Ambient temperatures were in the mid-teens with steady 20-25 mph winds driving the wind chill downward to around 20 degrees below zero!

The weather presented a num-

ber of concerns that were managed throughout the night, including; firefighter rotations; equipment operations and management; apparatus deployment and appliance functionality; hose lays with continuous water flow; and foam application. Radical wind changes from nearly every direction had to be constantly addressed and did interfere slightly with the foam blanket in areas where gasoline continued to flow.

Freezing temperatures provided some benefit as the foam blanket froze in some places — prolonging its effects. Volatility of the gasoline spill was also decreased in the cold temperatures.

11:00 p.m.: Discussions at the Command Post turned from ongoing tactical operations to foam logistics and backing up foam reserves at the Conoco Phillips Refinery. Tom Mueller / Hayden and Company contacted Dwight Williams, President of Williams Fire & Hazard Control to review the conditions of the tank and emergency operations. Bette Daspit / Emergency Response Logistics Coordinator, Williams Fire & Hazard Control followed on with a call to discuss inventory availability and deployment of Thunderstorm product. Julie Overman / International CSR, ANSUL in Marinette, Wisconsin, was then notified to standby and prepare for late night operations.

Once request for ten totes of Thunderstorm 3% x 6% F-600A for expedited shipment was approved

by the EOC, ANSUL was immediately notified and began all night operations toward fulfillment of the order — bringing in additional personnel to expedite the packaging and unloading of ten totes.

3:30 a.m.: As temperatures in Marinette dropped below zero, ANSUL loaded the foam into two enclosed vans to protect the cargo from the cold during its 600 mile journey from Marinette, WI to Wood River, IL.

January 14, 2005

1:30 p.m.: Delivery of the foam resources received by the refinery

This event showcased the successful support operations of the CODE Red Resource Network. Williams Fire & Hazard Control and ANSUL have established vital distribution channels throughout the U.S and abroad - such as that of Hayden and Company covering 14 states of the Upper Midwest - which can deploy vital supplies and support around the world.

With excellent onsite response operations led by Larry Forehand and Chief Haase, and the support members of CODE Red Resource this event had an outstanding successful conclusion; no injuries, no fire, minimal exposure impact, safe clean-up operations, and expedient resupply of resources.

