



THE RESPONDER

Natural Gas Pipeline Information for Emergency Responders in Kinder Morgan Communities

Pipeline Safety During Natural Disasters

Although rare, natural disasters can damage pipelines and aboveground facilities. In February 2008 a tornado damaged a natural gas compressor station in Tennessee. Hurricanes Katrina and Rita caused flooding damage to natural gas and hazardous liquids pipelines in states that border the Gulf of Mexico.

Pipeline operators like Kinder Morgan prepare for natural disasters and incorporate preparedness and response activities into local emergency plans.

Emergency responders can also prepare for pipeline incidents during natural disasters by considering the following questions:

- Have I spoken with my local pipeline operator(s) to determine if they have specific needs during a natural emergency?
- Do I have a way to communicate with the pipeline operator during a natural disaster without relying on cell phones or computers?
- If there is a pipeline incident during a natural disaster, how will we prioritize response needs?

Contact your local Kinder Morgan representative to discuss local emergency plans and to learn more about the technology and safety procedures in place to prevent damage to Kinder Morgan lines during tornadoes, hurricanes and other natural disasters. To contact your local Kinder Morgan representative, visit <http://PA-InfoRequest.kindermorgan.com>.

Valves Keep Pipelines Safe

Valves ensure safe pipeline operations by allowing operators to reduce pressure, re-route gas and even shutdown sections of the pipeline if needed.

Pressure relief valves, also known as reliefs, are important safety components that enable operators to control the pressure of gas moving through pipelines and in storage tanks. Reliefs alleviate line pressure from becoming too high by venting a small quantity of natural gas.

Throttling valves, called regulators, help maintain a consistent pressure when gas is moving on the "downstream" side of a pipeline. Regulators work in conjunction with reliefs to ensure that pipeline pressures remain within the design parameters. If a regulator fails, a back-up regulator or relief will activate to control the pressure.

An activated relief "blows" when venting gas, often making a loud noise. A blowing relief is functioning as designed and should never be valved off or capped. If you encounter a "blowing" relief on Kinder Morgan's pipeline, notify us as soon as possible. We will send a company representative to evaluate and repair the valve as needed. Never attempt to close a pipeline valve unless given authority from pipeline operations personnel.

To learn more about valves and other pipeline safety components, contact your local Kinder Morgan representative or visit <http://PA-InfoRequest.kindermorgan.com>.

Pipelines 101: Control Centers

All Kinder Morgan pipelines are monitored 24-hours each day from a remote location called the Pipeline Control Center.

Like mission control gauging a shuttle's vital information, the Pipeline Control Center assess information about each pipeline's segment.

In the control center, multiple monitors at each employee's terminal display their pipeline responsibility in more than one way. It is in this highly technical environment that Kinder Morgan personnel can detect even the slightest change in pressure or volume using data collected from Remote Terminal Units (RTUs).

RTUs are located at every compressor station and along the pipeline. RTUs collect line data such as flow, pressure and temperature. RTU data is transferred by satellite or phone line to the Supervisory Control and Data Acquisition (SCADA) system located in the Pipeline Control Center.

Kinder Morgan's SCADA system conducts equipment status scans every 20 seconds. The system receives the data, analyzes it and displays it to the center operator in a graphic form. Based on SCADA's analysis, an operator may receive a cautionary notification and will investigate what, if any, adjustments are needed to maintain safe and efficient pipeline operations.

If you would like to know more about the Pipeline Control Center and RTUs in your jurisdiction contact your local Kinder Morgan representative or visit <http://PA-InfoRequest.kindermorgan.com>.

NASFM Pipeline Incident Training Available Online This Spring

Emergency responders can soon access and complete pipeline emergency response training online.

Info for dispatch & training managers

The free, Web-based training module is an extension of the existing Pipeline Emergencies training program, created by the National Association of State Fire Marshalls (NASFM) with support from the U.S. Department of Transportation Pipeline and Hazardous Materials Safety Administration (PHMSA).

The new training module, scheduled to launch this spring, can be accessed any time and from any computer. The online training module includes tactical information and simulations. Users will also find knowledge examinations and cross-references with the Pipeline Emergencies print materials.

Pipeline Emergencies was developed through a collaborative effort involving emergency responders, pipeline operators and the U.S. Department of Transportation. The training program is designed to teach the emergency response community about how pipelines operate, the products they transport and recommended tactical responses to a pipeline incident. The current training materials include a textbook, instructor's guide, companion CD-ROM, training videotape and now online training modules.

For more information on Pipeline Emergencies and the new online training module, visit www.pipelineemergencies.org.

Free Laptops Available for Volunteer Fire Organizations

The Pipeline Association for Public Awareness (PAPA), a non-profit organization comprised primarily of pipeline operators, initiated Laptops for Volunteers to provide free laptop computers to volunteer fire departments that currently do not have a department computer. PAPA collects donated machines and ships them to qualified fire departments. PAPA has distributed more than 120 laptops since initiating the program.

To apply for a free laptop or for more information, visit the PAPA Web site, www.pipelineawareness.org/laptops-for-volunteers-outline.html.

Safety Info