

Valve Spacing and Rapid Shutdown

Companies must have procedures for identifying and responding to reportable releases and have the ability to monitor internal pressure and flow rates to minimize spills. A company must consider terrain, geohazards, drainage and the age of the pipe when determining the location and type of valve and their shut-off time. Whenever a new rapid shutdown valve is to be installed, a surge analysis must be conducted to ensure that the surge pressure in the pipeline will not exceed 110 percent of the MOP as a result of a rapid valve closure.