

Valve Spacing and Rapid Shutdown

Companies must have the ability to identify and respond to reportable releases and monitor internal pressure and flow rates to minimize spills. A company must consider terrain, geohazards, drainage and the condition 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.