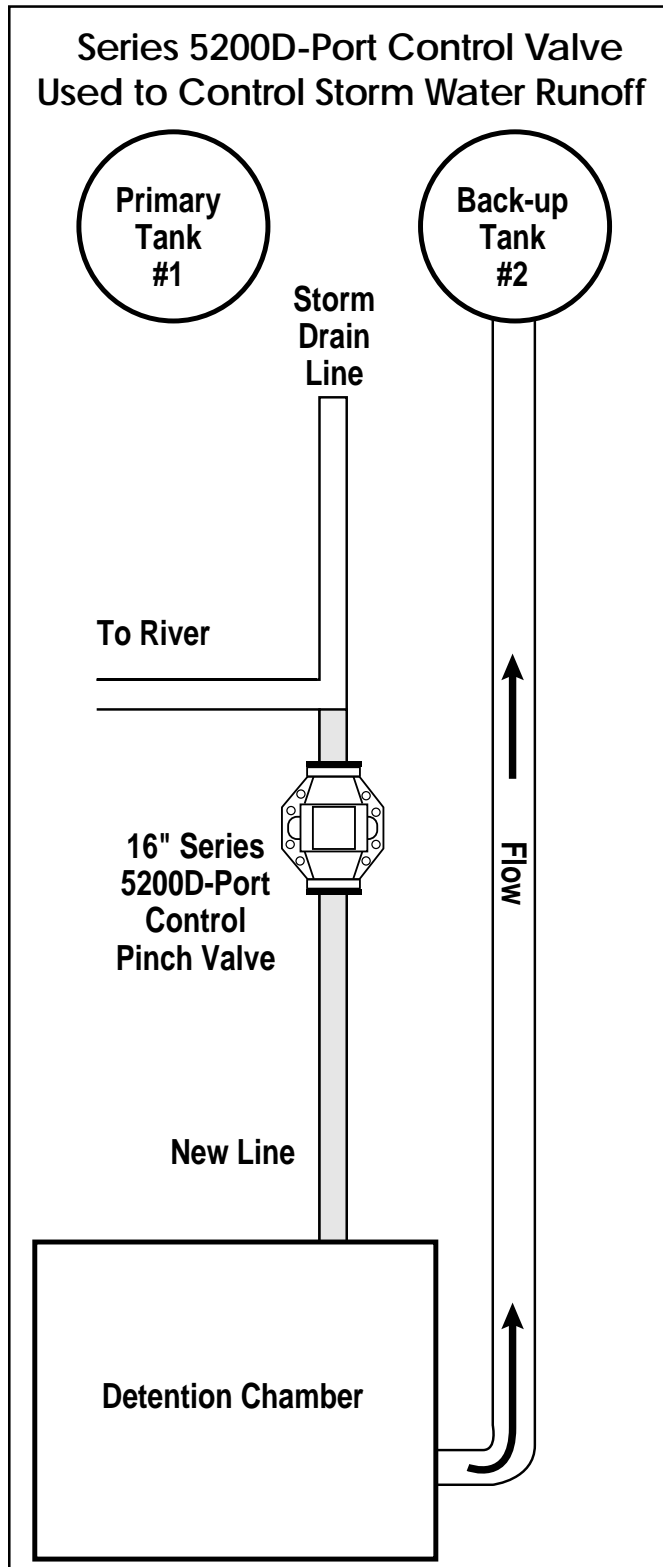


# Application Data

Pulp & Paper ♦ Storm Water Runoff ♦ Control Valve



A pulp and paper mill was faced with a mandate from the EPA. They must be able to divert their storm water in case of an emergency overflow from their solids handling tanks at the Saw Mill Operation area of the plant. Their storm water runoff presently discharges straight to the river.

The owners debated what type of valve would best suit their needs. Their first choice was a knife-gate valve. But due to the high solids content material in the tanks, they chose a Red Valve Series 5200 Pneumatic-Operated Pinch Valve. These valves can sit closed for a long period of time and be able to open and pass the high solid contents present in the line.

To the left, you will see how the system is designed to operate. The Pinch Valve sits in a closed position. If there is an emergency conditions, a signal opens the valve. The storm water is diverted to a detention chamber where it is held. Once the emergency is over, it is sent back to the tank. The valve was supplied with one-inch air ports to allow plant air to enter and escape the valve quickly. This is just another way that Red Valve Pinch Valves can be used to solve your toughest and most critical applications.

