



SealXpert Products

Leak Repair Application Note 24

Pipe Material: Carbon Steel Pipe
Pipe Medium: Natural Gas
Pipe Size: 4"
Pipe Pressure: 250 psig
Temperature: 30°C
Leak Location: Crack on pipe elbow and valves

In a semiconductor plant, a 4" natural gas pipeline is leaking at the pipe elbow and valve connections. It is necessary to stop the leak as soon as possible without performing hot works and while the plant is in operation.

SealXpert™ repair putty and Seal Stic™ epoxy was applied onto the pipe elbow to stop the leak and reinforce the pipeline. Next, Wrap Seal™ fiberglass tape was applied over the repaired surface to increase the pipe wall thickness.

Application Photographs



Pipe thinning and crack on pipe elbow



Applying SealXpert™ repair putty



Applying SealXpert™ repair putty



Repair and reinforcement works completed

