

NEAR MISS - ROOT CAUSE ANALYSIS

Description of Incident:

While attempting to turn a Dresser compression-style valve on a riser, the core of the valve blew out and flew into the customer’s yard. Fortunately the employee was standing to the side of the valve when it failed and was not struck by the core or any debris from the gas stream. The curb valve was used to stop the flow of gas.

The employee indicated the valve was installed in a vertical orientation and there was no sign of defect or damage prior to turning it. System pressure in the area is MP. A 12 inch pipe wrench was used to turn the valve.

Root Causes:

1. Defective valve

Action Plan to Prevent Recurrence:

1. Notify Operations of incident. Operations to report any similar incidents to see if this was an isolated incident or a more widespread concern.
2. Notify Engineering of the material failure.
3. Advise employees that the preferred position for operating riser valves of this nature is to the side and away from the core.

Unsafe Acts	Unsafe Conditions	Other
By-passing safety devices	Congested work area	Hazards not identified
Drug or alcohol use	Defective tools/equipment	Improper maintenance
Failure to warn or secure	Excessive noise	Inadequate equipment
Guards not used	Fire or explosion hazard	Inadequate job planning
Horseplay	Hazardous substances	Inadequate supervision
Improper lifting	Improper material storage	Inadequate workplace inspection
Improper loading or placement	Improper tool or equipment	Insufficient supervisor training
Improper PPE or PPE not used	Inadequate fall protection	Insufficient worker training
Improper work technique	Inadequate guarding of hazards	Lack of written procedures/policies
Operating at improper speeds	Inadequate ventilation	Poor process design
Poor ergonomic technique	Insufficient knowledge of job	PPE unavailable
Safety rule violation	Insufficient lighting	Safety rules not enforced
Servicing machinery in motion	Poor housekeeping	Unrealistic scheduling
Unnecessary haste	Poor work location design or layout	Unsafe design or construction
Unsafe act of others	Slippery conditions	Other:

