

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	X	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:	

