

Acronyms used:

WIMS - Williams Integrated Management System

Williams will only use site specific drawings.

WilSOP: Williams Standard Operating Procedures (Precursor to WIMS)

MOC: Management of Change PSSR: Pre-Startup Safety Review

PHA: Process Hazard Analysis

Regulatory Anaysis / Violations

Regulatory Analysis/Violations:

Staff concurs with the Root Cause analysis performed by Williams as noted above. (Appendix #11)

Williams has made several procedural and process changes that Staff believe will prevent this type of event from occurring in the future.

Williams found this component on their own and it was not operational at the time. It was immediately removed from potential service and the information reported to PHMSA and the WA UTC as a SRC.

NOTE:

This was reported under Title 49, CFR, § 191.23(a)(10) - Reporting safety-related conditions.

10) For transmission pipelines only, each exceedance of the maximum allowable operating pressure

that exceeds the margin (build-up) allowed for operation of pressure-limiting or control devices as

specified in the applicable requirements of § 192-201, 192-520(e), and 192-739.

Title 49, CFR, § 191.23(a)(10) references 3 codes, one of which must apply for the issue to be reportable as an SRC. Staff does not believe that the installation would be reportable under any of the 3 references.

§192.201 - Required capacity of pressure relieving and limiting stations.

This was not an issue related to relief or limiting stations.

§192.620(e) - Alternative maximum allowable operating pressure for certain steel pipelines.

This is not an issue related to an alternative MAOP.

§192.739 - Pressure limiting and regulating stations: Inspection and testing.

This is not an issue related to regulator stations.

Recommendations / Follow Up

Follow up/Recommendations:

As noted above Williams has already made significant progress in modifying processes and procedures to ensure this type of installation will not happen in the future.

It is also noted above the reasoning that Staff do not believe this incident met the criteria of an SRC under Title 49, CFR, § 191.23(a)(10).

Staff recommends that during future inspections emphasis be placed on identifying component ratings and verifying they are rated for the MAOP of the system where they are installed.

Cause

Construction Error	Corrosion	Equipment Failure/Damage	Excavation Damage
Inadequate Communication			
Inadequate Inspection/assessment of conditions	Select up to 20 choices	Select up to 20 choices	Select up to 20 choices
Inadequate Oversight			
Select up to 20 choices			
Human Error	Improper Operations	Inadequate Design	Material Faillure
Inadequate Communication	Inadequate contractor management	Inadequate component	
Inadequate purchasing	Inadequate inspection	Inadequate engineering	Select up to 20 choices
Select up to 20 choices	Inadequate purchasing	Select up to 20 choices	
	Inadequate QA/QC		
	Select up to 20 choices		
Natural Forces	Organizational Failure	Outside Force	Causes
	Inadequate Communication		Inadequate Communication; Inadequate Inspecti Oversight, , , , Inadequate Communication; Inade management; Inadequate inspection; Inadequat component; Inadequate engineering Inadequate procedures
Select up to 20 choices	Inadequate policies, standard, procedures	Select up to 20 choices	
	Select up to 20 choices		