



Description	This procedure should be used anytime pipe is removed from the pipeline to determine the amount of internal corrosion.
Regulatory Applicability	<input checked="" type="checkbox"/> Regulated Transmission Pipelines <input checked="" type="checkbox"/> Regulated Gathering Pipelines (Type A) <input checked="" type="checkbox"/> Regulated Gathering Pipelines (Type B) <input checked="" type="checkbox"/> Regulated Distribution Pipelines
Frequency	As needed
Reference	49 CFR 192.475 <i>Internal Corrosion Control: General</i> LA Title 43 Part XIII 2127 <i>Internal Corrosion Control: General</i>
Forms / Record Retention	WTG 1100 <i>Exposed Pipeline Inspection / Life of Pipeline System</i>
Related Specifications	None
OQ Covered Task	0161 <i>Visual Inspection for Internal Corrosion</i> (In order to perform the tasks listed above; personnel must be qualified in accordance with West Texas Gas's Operator Qualification program or directly supervised by a qualified individual.)



Procedure Steps

1. Orient pipe to be removed by clearly marking direction of flow in addition to top of pipe.
2. Cut and remove oriented section of pipe for analysis.
3. Label sample pipe with the following information:
 - a) Company
 - b) Facility
 - c) Operator
 - d) Date
 - e) Engineering station
 - f) Pipe grade
 - g) Wall thickness
4. Record initial inspection of the inside of pipe. This may be done in written form and may also be accompanied with a pictorial record.
5. Remove any residue with an approved solvent or mechanical means. Dispose of waste in an approved container. Care should be taken not to disturb the scale that has built up inside the pipe.
6. Record visual inspection of the inside of the pipe after cleaning. Special care should be taken in recording the patterns and location of pitting or scale buildup. This may be done in written form and may also be accompanied with a pictorial record. A sample of any foreign material recovered from the inside of the pipeline will be submitted for analysis.
7. With the use of measuring devices, measure and record the depth, diameter and duration of all pitted areas. Measure and record the remaining wall thickness around the circumference of the pipe including the pitted areas.
8. Carefully secure the pipe section to ensure it will not be damaged during transport. For future reference and analysis, transport the pipe to secure storage.
9. If internal corrosion is found, inspect the adjacent pipe to determine the extent of the internal corrosion.
10. Send all data pertaining to the removed sample and the adjacent pipe the corrosion engineer. Place a copy in the DOT files.
11. All remedial action (chemical injection, pipe replacement) will be completed prior to the next inspection. If corrosion is found in an area that has not been previously monitored, a monitoring system will be started. Refer to procedure P-192.483 for remedial measures that must be taken.