

FORM V Gas OM/Procedures 8421

UTC O&M/Procedures
Inspection Report
Intrastate GAS
FORM V Gas
OM/Procedures: State-
Specific Requirements

**** THIS FORM IS REQUIRED FOR USE FOR ALL INTRASTATE GAS OPERATORS. USE IN CONJUNCTION WITH THE "BASELINE PROCEDURES" MODULE IN THE MOST CURRENT WA-SPECIFIC GD QUESTION SET**

Inspector and Operator Information

Inspection ID	Inspection Link	Inspector - Lead	Inspector - Assist
8421	8421	Tinnerstet, Darren	
Operator	Unit	Records Location - City & State	
Cardinal FG	Cardinal FG	Winlock, WA	
Inspection Start Date	Inspection Exit Interview Date	Engineer Submit Date	
05-24-2022			

You must include the following in your inspection summary:

- *Inspection Scope and Summary
- *Facilities visited and Total AFOD
- * Summary of Significant Findings
- * Primary Operator contacts and/or participants

Instructions and Ratings Definitions

INSTRUCTIONS

S - Satisfactory

U - Unsatisfactory

Area Of Concern

N/A- Not Applicable (does not apply to this operator or system)

N/C - Not Checked/Evaluated (was not inspected during this inspection)

INSPECTION RESULTS

Satisfactory Responses
0

Unsatisfactory Responses
0

Area of Concern Responses
0

Not Applicable Responses
0

Not Checked / Evaluated Responses
0

Satisfactory List
Unanswered Questions
11

Unsatisfactory List

Area of Concern List

Not Applicable List

Not Checked / Evaluated List

Unanswered Questions List
1,2,3,4,5,6,7,8,9,10,11,

****If an item is marked Unsat, AOC, N/A, or N/C, an explanation must be included in the "Notes" block for that question, and summarized in the "PROCEDURES: SUMMARY OF REQUIRED COMMENTS" section at the end of this form.**

INTRASTATE GAS OPERATOR PROCEDURES

MAPPING PROCEDURES

Question 1

Do procedures require accurate maps (or updates) of pipelines operating over 250PSIG to specifications developed by the commission and sufficient to meet the needs of first responders?

Q1 Reference

Q1 Result

Q1 Notes

Question 2

Do procedures require that NPMS submissions are updated every 12 months if system modifications (excludes distribution lines and gathering lines) occurred, and if no modifications occurred an email to that effect was submitted to NPMS?

Q2 Reference

PHMSA ADB 08-07

Q2 Result

Q2 Notes

▼ **REPORTING PROCEDURES**

Question 3

Do procedures require that the operator file with the commission, not later than March 15 of each year, applicable to the preceding calendar year: copy of every Pipeline and Hazardous Materials Safety Administration (PHMSA) F-7100.1-1 and F-7100.2-1 annual report required by U.S. Department of Transportation, Office of Pipeline Safety

Q8 Reference

WAC 480-93-200(10)

Q3 Result

Q3 Notes

▼ **DAMAGE PREVENTION PROCEDURES**

Question 4

Do procedures include the use of a quality assurance program for monitoring the locating and marking of facilities? Does the procedure require regular field audits of the performance of locators/contractors and implementing appropriate corrective action when necessary?

Q4 Reference

PHMSA State Program Question

Q4 Result

Q4 Notes

Question 5

Do procedures outline a process by which locator and excavator personnel are properly qualified in accordance with the operator's OQ plan and with state OQ requirements?

Q5 Reference

WAC 480-93-013

Q5 Result

Q5 Notes

Question 6

Does the operator have sufficiently detailed directional drilling/boring procedures which include taking actions necessary to protect their facilities from dangers posed by drilling/other trenchless technologies?

Q6 Reference

PHMSA State Programs Emphasis

Q6 Result

Q6 Notes

Question 7

Does the operator have a sufficiently detailed procedure to review records of accidents and failures caused by excavation damage to ensure the causes of those failures are addressed to minimize the possibility of reoccurrence?

Q7 Notes

DESIGN/CONSTRUCTION PROCEDURES

Question 8

Does the operator have sufficiently detailed procedures to ensure protection of plastic pipe in accordance with WAC 480-93-178?

Q24 Reference
WAC 480-93-178

Q8 Result

Q8 Notes

CORROSION CONTROL PROCEDURES

OPERATIONS & MAINTENANCE PROCEDURES

Question 9

Do the operator's procedures contain sufficient detail to comply with the required entries for all gas leak records according to the criteria outlined in WAC 480-93-187(1-13)?

Q9 Reference
WAC 480-93-187

Q9 Result

Q9 Notes

Question 10

Does the operator's OQ plan/procedure identify "New Construction" activities as covered tasks in accordance with WAC 480-93-013?

Q10 Reference
WAC 480-93-013

Q10 Result

Q10 Notes

PROCEDURES: SUMMARY OF REQUIRED COMMENTS

PROCEDURE REVIEW SUMMARY: Comments are required for any rating other than "Satisfactory". Summarize the "Notes" blocks above, and ensure you annotate the question number for each comment.

ADDITIONAL HEADER TEMPLATE

Question 11

Template for additional questions

Q11 Reference
WAC 480-75-330

Q11 Result

Q11 Notes

Comments Template for additional comment boxes

Inspection Output (IOR)

Generated on 2022.June.27 13:39

Report Filters

Assets **All**, and including items not linked to any asset.

Results **All**

Inspection Information

Inspection Name	8421- Cardinal FG OM PPR	Operator(s)	CARDINAL FG (32176)	Plan Submitted	02/15/2022
		Lead	Darren Tinnerstet	Plan Approval	02/16/2022
Status	PLANNED	Observer(s)	David Cullom, Dennis Ritter, Lex Vinsel, Anthony Dorrough, David D Lykken, Derek Norwood, Scott Anderson		by Sean Mayo
Start Year	2022			All Activity Start	05/24/2022
System Type	GD	Supervisor	Scott Rukke	All Activity End	06/22/2022
Protocol Set ID	WA.GD.2021.02	Director	Sean Mayo	Inspection Submitted	--
				Inspection Approval	--

Inspection Summary

The Cardinal Pipeline is comprised of 6 inch diameter (NPS-6), API 5L, X-52 ERW steel pipe with a nominal wall thickness of 0.280 inches. The Cardinal Pipeline is entirely located in Lewis County Washington beginning at the Williams Northwest Pipeline Interconnection at the Chehalis Compressor Station and ending at the Cardinal Glass Facility property line. The overall length of the Pipeline is approximately 3.25 miles. Per PHMSA guidelines the WUTC jurisdictional boundary is considered the Cardinal property line. The Cardinal Pipeline contains no mainline valves beyond those at the Williams interconnection and the Cardinal delivery point.

Inspection Scope and Summary

This inspection included a review of Cardinal FG Operation and Maintenance Plan and Procedure Review.

Facilities visited and Total AFOD

AFOD = 1

Summary of Significant Findings

(DO NOT Discuss Enforcement options)

One Probable Violation of WAC 480-93-180 for failing to have a specific procedure for testing pressure limiting station.

One Area of Concern of WAC 480-93-180 for failing to have detailed procedures, specifically for moving or lowering metallic pipe and checking one-call tickets against third party damages.

Primary Operator contacts and/or participants

Stephen Hernandez - EverLine (Compliance Consultant)

Operator executive contact and mailing address for any official correspondence

Stephen Smith
 Plant Manager
 Cardinal FG
 545 Avery Road West
 Winlock, WA 98596

Scope (Assets)

#	Short Name	Long Name	Asset Type	Asset IDs	Excluded Topics	Planned	Required	Total Inspected	Required % Complete
1.	88991 (1519)	Cardinal FG	unit	88991	Storage Fields Bottle/Pipe - Holders Vault Offshore GOM OCS Cast or Ductile Iron Copper Pipe Aluminum/Amphoteric Plastic pipe Abandoned	111	111	111	100.0%

1. Percent completion excludes unanswered questions planned as "always observe".

Plans

#	Plan Assets	Focus Directives	Involved Groups/Subgroups	Qst Type(s)	Extent	Notes
1.	88991 (1519)	WUTC O&M Inspection	PRO, PRR, FR, GDIM, MMLPGIM, MISCTOPICS, GENERIC	P, R, O, S	Detail	--

Plan Implementations

Activity #	Activity Name	SMAR T Act#	Start Date	End Date	Focus Directives	Involved Groups/Subgroups	Assets	Qst Type(s)	Planned	Required	Total Inspected	Required % Complete
1	Cardinal OM PPR	--	05/24/2022	06/22/2022	WUTC O&M Inspection	PRO, PRR, FR, GDIM, MMLPGIM, MISCTOPICS, GENERIC	88991 (1519)	all types	111	111	111	100.0%

1. Since questions may be implemented in multiple activities, but answered only once, questions may be represented more than once in this table.
 2. Percent completion excludes unanswered questions planned as "always observe".

Forms

No.	Entity	Form Name	Status	Date Completed	Activity Name	Asset
1.	Attendance List	Cardinal OM PPR	COMPLETED	06/27/2022	Cardinal OM PPR	--

Results (all values, 111 results)

112 (instead of 111) results are listed due to re-presentation of questions in more than one sub-group.

PRO.REPORT: Reporting

1. Question Result, ID, References **Sat, RPT.RR.IMMEDREPORT.P, 191.5(b) (191.7(a), 191.7(d))**
Question Text *Is there a process to immediately report incidents to the National Response Center?*
Assets Covered **88991 (1519)**
Result Notes **OM Section 19.13 - Incident Reporting**
2. Question Result, ID, References **Sat, RPT.RR.EMERGENCYNOTIFY.P,**
Question Text *Does the manual include procedures to notify the commission of certain incidents or hazardous conditions within the required time frame?*
Assets Covered **88991 (1519)**
Result Notes **OM Section 19.13**
3. Question Result, ID, References **Sat, RPT.RR.INCIDENTREPORT.P, 191.9(a)**
Question Text *Does the process require preparation and filing of an incident report as soon as practicable but no later than 30 days after discovery of a reportable incident?*
Assets Covered **88991 (1519)**
Result Notes **OM Section 19.14.**
4. Question Result, ID, References **Sat, RPT.RR.THIRTYDAYRPT.P,**
Question Text *Does the manual include procedures to submit a written report to the commission within thirty days of the initial telephonic report?*
Assets Covered **88991 (1519)**
Result Notes **OM Section 19.14**
5. Question Result, ID, References **Sat, RPT.RR.INCIDENTREPORTSUPP.P, 191.9(b)**
Question Text *Does the process require preparation and filing of supplemental incident reports?*
Assets Covered **88991 (1519)**
Result Notes **OM Section 19.14**
6. Question Result, ID, References **Sat, RPT.RR.OPID.P, 191.22(a) (191.22(c), 191.22(d))**
Question Text *Does the process require the obtaining, and appropriate control, of Operator Identification Numbers (OPIDs), including changes in entity, acquisition/divestiture, and construction/update/uprate?*
Assets Covered **88991 (1519)**
Result Notes **OM Section 4.10 & 4.11**
7. Question Result, ID, References **Sat, RPT.RR.SRCR.P, 192.605(a) (191.23(a), 191.23(b), 191.25(a), 191.25(c))**
Question Text *Do the procedures require reporting of safety-related conditions?*
Assets Covered **88991 (1519)**
Result Notes **OM Section 14.1 - SRC**
8. Question Result, ID, References **Sat, MO.GO.SRC.P, 192.605(a) (192.605(d), 191.23(a))**
Question Text *Does the process include instructions enabling personnel who perform operation and maintenance activities to recognize conditions that may potentially be safety-related conditions?*
Assets Covered **88991 (1519)**
Result Notes **OM Section 14.1 - SRC**
9. Question Result, ID, References **Sat, DC.CO.FILEREQ.P,**

Question Text *Do procedures include requirements to file documents with the UTC at least 45 days prior to operation or construction of a pipeline?*

Assets Covered 88991 (1519)

Result Notes OM Section 2.2 - Washington Requirements.

10. Question Result, ID, References Sat, FS.FG.PROXCON.P,

Question Text *Are procedures in place to submit a written request to the commission prior to operating a gas pipeline in the areas and pressures designated in WAC 480-93-020?*

Assets Covered 88991 (1519)

Result Notes OM Section 9.9 - Proximity Considerations.

11. Question Result, ID, References NA, RPT.RR.MAOPINCREASEPLANS.P,

Question Text *Do procedures require filing with the commission 45 days prior to uprating to a MAOP greater than 60 psig?*

Assets Covered 88991 (1519)

Result Notes No such event occurred, or condition existed, in the scope of inspection review.

MAOP is 1000 psig.

12. Question Result, ID, References Sat, RPT.RR.DIRTREPORTS.P,

Question Text *Do procedures require a report (i.e., DIRT Report) to be submitted to the commission and provide excavators with the required information in the event of damage to their gas pipeline?*

Assets Covered 88991 (1519)

Result Notes OM Section 18.10

Need to update language to include specific reporting address.

13. Question Result, ID, References Sat, RPT.RR.DAILYCONSTRUCTIONRPT.P,

Question Text *Do procedures require daily construction and repair activities to be emailed to the commission no later than 10 AM each day work is scheduled?*

Assets Covered 88991 (1519)

Result Notes this was missing from OM manual during review.

Consultant made changes and added section 4.17 with pertinent information.

PRO.SUBACUSTEFV: Customer and EFV Installation Notification

14. Question Result, ID, References NA, MO.GO.CUSTNOTIFY.P, 192.13(c) (192.16(a), 192.16(b), 192.16(c), 192.16(d))

Question Text *Is a customer notification process in place that satisfies the requirements of 192.16?*

Assets Covered 88991 (1519)

Result Notes No such relevant facilities/equipment existed in the scope of inspection review.

15. Question Result, ID, References NA, MO.GO.EFVINSTALL.P, 192.383(b) (192.381(a), 192.381(b), 192.381(c), 192.381(d), 192.381(e), 192.383(a), 192.383(c))

Question Text *Is there an adequate excess flow valve (EFV) installation and performance program in place?*

Assets Covered 88991 (1519)

Result Notes No such relevant facilities/equipment existed in the scope of inspection review.

PRO.SUBLNORMOPS: Normal Operating And Maintenance

16. Question Result, ID, References Sat, MO.GO.OMANNUALREVIEW.P, 192.605(a)

Question Text *Does the process include a requirement to review the manual at intervals not exceeding 15 months, but at least once each calendar year?*

Assets Covered 88991 (1519)

Result Notes OM manual section 2.1 - Manual Review

Form 2 documents any changes.

Reviewed current roster of changes.

17. Question Result, ID, References Sat, MO.GO.OMHISTORY.P, 192.605(a) (192.605(b)(3))

Question Text *Does the process include requirements for making construction records, maps and operating history available to appropriate operating personnel?*

Assets Covered 88991 (1519)

Result Notes OM Section 4.2 - Record Retention.

Need to add reference to 480-93-018(5) requiring notice within 6 months.

Consultant updated Section 4.3 to rectify issues.

18. Question Result, ID, References Sat, MO.GOMAOP.MAOPLIMIT.P, 192.605(a) (192.605(b)(5))

Question Text *Does the process include requirements for starting up and shutting down any part of the pipeline in a manner to assure operation with the MAOP limits, plus the build-up allowed for operation of pressure-limiting and control devices?*

Assets Covered 88991 (1519)

Result Notes OM Section 4.2 - Startup procedures

OM Section 4.3 - Shutdown procedures.

19. Question Result, ID, References Sat, MO.GO.OMEFFECTREVIEW.P, 192.605(a) (192.605(b)(8))

Question Text *Does the process include requirements for periodically reviewing the work done by operator personnel to determine the effectiveness, and adequacy of the processes used in normal operations and maintenance and modifying the processes when deficiencies are found?*

Assets Covered 88991 (1519)

Result Notes OM Section 1.6 - Operating personnel review

Form 24 - Periodic review of O&M procedures.

20. Question Result, ID, References Sat, AR.RMP.SAFETY.P, 192.605(b)(9) (192.713(b))

Question Text *Does the process ensure that repairs are made in a safe manner and are made so as to prevent damage to persons and property?*

Assets Covered 88991 (1519)

Result Notes OM Section 18.7 Excavation Safety

Need to add reference to OSHA (1910 & 1926) for worker safety stuff.

21. Question Result, ID, References Sat, MO.GO.ODDOR.P, 192.605(a) (192.605(b)(11))

Question Text *Does the process require prompt response to the report of a gas odor inside or near a building?*

Assets Covered 88991 (1519)

Result Notes OM Section 19.7 - Unintended release.

22. Question Result, ID, References Concern, MO.GM.MOVEANDLOWER.P,

Question Text *Does the manual include procedures to prepare a study when moving or lowering metallic pipelines?*

Assets Covered 88991 (1519)

Result Issue Summary Operator does not have a specific procedure for moving or lowering metallic pipeline. This event has not occurred in the past and the likelihood of it occurring in the future is minimal. Compliance Consultant has drafted a procedure to be included in revised OM manual.

Result Notes Need to add this to procedure.

23. Question Result, ID, References Sat, MO.GM.ONSITEPROCS.P,

Question Text *Does the manual require that procedures applicable to the work being done are located onsite where the work is being done?*

Assets Covered 88991 (1519)

Result Notes OM Section 2.2 - Washington Requirements.

PRO.SUBCLASS: Change In Class Location

24. Question Result, ID, References Sat, MO.GOCLASS.CLASSLOCATESTUDY.P, 192.605(b)(1) (192.609(a), 192.609(b), 192.609(c), 192.609(d), 192.609(e), 192.609(f))

Question Text *Does the process include a requirement that the operator conduct a study whenever an increase in population density indicates a change in the class location of a pipeline segment operating at a hoop stress that is more than 40% SMYS?*

Assets Covered 88991 (1519)

Result Notes OM Section 8.1 - class location study

Observed consultant run updated model due to two new structures being built.

25. Question Result, ID, References Sat, MO.GOCLASS.CLASSLOCATEREV.P, 192.605(b)(1) (192.611(a), 192.611(b), 192.611(c), 192.611(d))

Question Text *Does the process include a requirement that the MAOP of a pipeline segment be confirmed or revised within 24 months whenever the hoop stress corresponding to the established MAOP is determined not to be commensurate with the existing class location?*

Assets Covered 88991 (1519)

Result Notes OM Section 8.2 - Change of location confirmation / revision of MAOP.

PRO.SUBLSURVEIL: Continuing Surveillance

26. Question Result, ID, References Sat, MO.GO.CONTSURVEILLANCE.P, 192.605(e) (192.613(a), 192.613(b), 192.703(b), 192.703(c))

Question Text *Are there processes for performing continuing surveillance of pipeline facilities, and also for reconditioning, phasing out, or reducing the MAOP in a pipeline segment that is determined to be in unsatisfactory condition but on which no immediate hazard exists?*

Assets Covered 88991 (1519)

Result Notes OM Section 8.3 - Continuing Surveillance.

Form 25 - Management of Change.

Stephen Hernandez performed this with a drone fly over prior to inspection.

PRO.SUBLDAMAGEPREVENT: Damage Prevention Program

27. Question Result, ID, References Sat, PD.DP.PDPROGRAM.P, 192.614(a)

Question Text *Is a damage prevention program approved and in place?*

Assets Covered 88991 (1519)

Result Notes OM Section 18.1 - One Call System

Need to update procedure with actual steps for addressing a one call request.

28. Question Result, ID, References Sat, PD.DP.ONECALL.P, 192.614(b)

Question Text *Does the process require participation in qualified one-call systems?*

Assets Covered 88991 (1519)

Result Notes OM Section 18.1 - One Call

29. Question Result, ID, References **Sat, PD.DP.EXCAVATEMARK.P, 192.614(c)(5)**
Question Text *Does the process require marking proposed excavation sites to CGA Best Practices or the use of more stringent and accurate requirements?*
Assets Covered **88991 (1519)**
Result Notes **OM Section 18.2**
30. Question Result, ID, References **Sat, PD.DP.TPD.P, 192.614(c)(1)**
Question Text *Does the process specify how reports of Third-Party Activity and names of associated contractors or excavators are input back into the mail-outs and communications with excavators along the system?*
Assets Covered **88991 (1519)**
Result Notes **OM Section 18.8 - Contacting excavators.**
31. Question Result, ID, References **Concern, PD.DP.TPDONECALL.P, 192.614(c)(3)**
Question Text *Does the process specify how reports of TPD are checked against One-Call tickets?*
Assets Covered **88991 (1519)**
Result Issue Summary **Operator does not have a specific procedure for checking one-call tickets against third party damages. This event has not occurred in the past and the likelihood of it occurring in the future is minimal. Compliance Consultant has drafted a procedure to be included in revised OM manual.**
Result Notes **need to add section covering this.**

PRO.SUBLEMERGOPS: Emergency

32. Question Result, ID, References **Sat, EP.ERG.NOTICES.P, 192.615(a)(1)**
Question Text *Does the emergency plan include procedures for receiving, identifying, and classifying notices of events which need immediate response?*
Assets Covered **88991 (1519)**
Result Notes **OM Section 19.3 and 19.4 - Classifying Notice of Event.**
33. Question Result, ID, References **Sat, EP.ERG.COMMSYS.P, 192.615(a) (192.615(a)(2))**
Question Text *Does the emergency plan include procedures for establishing and maintaining adequate means of communication with appropriate fire, police, and other public officials?*
Assets Covered **88991 (1519)**
Result Notes **OM Section 19.5 - Liaison with public officials.**
34. Question Result, ID, References **Sat, EP.ERG.RESPONSE.P, 192.615(a) (192.615(a)(3), 192.615(a)(11), 192.615(b)(1))**
Question Text *Does the emergency plan include procedures for making a prompt and effective response to a notice of each type of emergency, including gas detected inside or near a building, a fire or explosion near or directly involving a pipeline facility, or a natural disaster?*
Assets Covered **88991 (1519)**
Result Notes **OM Section 19.7, 19.8, and 19.9 for three different classifications of events.**
35. Question Result, ID, References **Sat, EP.ERG.READINESS.P, 192.615(a) (192.615(a)(4))**
Question Text *Does the process include procedures for ensuring the availability of personnel, equipment, tools, and materials as needed at the scene of an emergency?*
Assets Covered **88991 (1519)**
Result Notes **OM Section 19.10 - Emergency personnel**

New contractor is Beggs Construction out of Salem, OR (Replacing NW Metal Fab who is going out of business)
36. Question Result, ID, References **Sat, EP.ERG.PUBLICPRIORITY.P, 192.615(a) (192.615(a)(5))**

Question Text *Does the emergency plan include procedures for taking actions directed toward protecting people first and then property?*

Assets Covered 88991 (1519)

Result Notes OM Section 19.2

37. Question Result, ID, References Sat, EP.ERG.PRESSREDUCESD.P, 192.615(a) (192.615(a)(6))

Question Text *Does the emergency plan include procedures for the emergency shutdown or pressure reduction in any section of pipeline system necessary to minimize hazards to life or property?*

Assets Covered 88991 (1519)

Result Notes OM Section 19.2.

Would close valves at either end of jurisdictional pipeline.

38. Question Result, ID, References Sat, EP.ERG.PUBLICHAZ.P, 192.605(a) (192.615(a)(7))

Question Text *Does the emergency plan include procedures for making safe any actual or potential hazard to life or property?*

Assets Covered 88991 (1519)

Result Notes OM Section 19.4 - Classification of leaks

Updated section 19.7 to include repairs that will be repaired immediately.

39. Question Result, ID, References Sat, EP.ERG.AUTHORITIES.P, 192.615(a) (192.615(a)(8))

Question Text *Does the emergency plan include procedures for notifying appropriate public officials of gas pipeline emergencies and coordinating with them both planned responses and actual responses during an emergency?*

Assets Covered 88991 (1519)

Result Notes OM Section 19.5 - Communicating with Public Officials.

OM Section 19.11 - Notification to UTC.

40. Question Result, ID, References NA, EP.ERG.OUTAGERESTORE.P, 192.615(a) (192.615(a)(9))

Question Text *Does the emergency plan include procedures for safely restoring any service outage?*

Assets Covered 88991 (1519)

Result Notes No such relevant facilities/equipment existed in the scope of inspection review.

41. Question Result, ID, References Sat, EP.ERG.INCIDENTACTIONS.P, 192.615(a) (192.615(a)(10))

Question Text *Does the process include procedures for beginning action under 192.617, if applicable, as soon after the end of the emergency as possible?*

Assets Covered 88991 (1519)

Result Notes OM Section 19.17 - Investigating Failures.

42. Question Result, ID, References Sat, EP.ERG.TRAINING.P, 192.615(b)(2)

Question Text *Does the process include training of the appropriate operating personnel to assure they are knowledgeable of the emergency procedures and verifying that the training is effective?*

Assets Covered 88991 (1519)

Result Notes OM Section 19.1 - General

Form 1(a) - training records

Form 24 - Periodic review of OM Manual.

43. Question Result, ID, References Sat, EP.ERG.POSTEVTREVIEW.P, 192.615(b)(3)

Question Text *Does the process include detailed steps for reviewing employee activities to determine whether the procedures were effectively followed in each emergency?*

Assets Covered 88991 (1519)

Result Notes OM Section 19.18 - Post incident review

Form 24

44. Question Result, ID, Sat, EP.ERG.LIAISON.P, 192.615(c) (192.615(c)(1), 192.615(c)(2), 192.615(c)(3), 192.615(c)(4),
References 192.616(c), ADB-05-03)

Question Text *Does the process include steps for establishing and maintaining liaison with appropriate fire, police and other public officials and utility owners?*

Assets Covered 88991 (1519)

Result Notes OM Section 18.6 - Liaison with Public Officials.

Operator personally provides detailed document to public officials with maps, SDS sheets, notification lists. This is a separate document than the general mailers that are sent out.

PRO.SUBLPUBAWARE: Public Awareness Program

45. Question Result, ID, NA, PD.PA.MSTRMETER.P, 192.616(j) (192.616(h)) (also presented in: MISCTOPICS.PUBAWARE)
References

Question Text *Does the public awareness program for a master meter or petroleum gas system meet the requirements of Part 192?*

Assets Covered 88991 (1519)

Result Notes No such relevant facilities/equipment existed in the scope of inspection review.

PRO.SUBLFAILINV: Failure Investigation

46. Question Result, ID, Sat, EP.ERG.INCIDENTANALYSIS.P, 192.617
References

Question Text *Does the process include procedures for analyzing accidents and failures, including the selection of samples of the failed facility or equipment for laboratory examination, where appropriate, for the purpose of determining the causes of the failure and minimizing the possibility of recurrence?*

Assets Covered 88991 (1519)

Result Notes OM Section 19.17 - Investigation of Failures.

OM Section 7.12 - Gas Leak Investigation.

PRO.SUBLMAOP: MAOP

47. Question Result, ID, Sat, MO.GOMAOP.MAOPDETERMINE.P, 192.605(b)(1) (192.619(a), 192.619(b), 192.621(a), 192.621(b),
References 192.623(a), 192.623(b))

Question Text *Does the process include requirements for determining the maximum allowable operating pressure for a pipeline segment in accordance with 192.619?*

Assets Covered 88991 (1519)

Result Notes OM Section 9.2 - Establishing MAOP

PRO.SUBLPRESSTEST: Pressure Test

48. Question Result, ID, Sat, AR.PTI.PRESSTESTACCEP.P, 192.503(a) (192.503(b), 192.503(c), 192.503(d), 192.505(a),
References 192.505(b), 192.505(c), 192.505(d), 192.505(e), 192.507(a), 192.507(b), 192.507(c), 192.513(a),
192.513(b), 192.513(c), 192.513(d))

Question Text *Were test acceptance criteria and procedures/processes sufficient to assure the basis for an acceptable pressure test?*

Assets Covered 88991 (1519)

Result Notes OM Section 17.10 - Pressure Test

49. Question Result, ID, Sat, AR.PTI.EQUIPCALIB.P,
References

Question Text *Does the manual include procedures to maintain and calibrate pressure testing equipment in accordance with manufacturer's recommendations?*

Assets Covered 88991 (1519)

Result Notes OM Section 17.10 (10) - pressure Testing.

Original pressure test conducted by NW Fab and Pipe.

PRO.SUBLODOR: Odorization Of Gas

50. Question Result, ID, Sat, MO.GOODOR.ODORIZE.P, 192.605(b)(1) (192.625(a), 192.625(b), 192.625(c), 192.625(d),
References 192.625(e), 192.625(f))

Question Text *Does the process ensure appropriate odorant levels are contained in its combustible gases in accordance with 192.625?*

Assets Covered 88991 (1519)

Result Notes OM Section 7.11 - Odorization of Gas.

PRO.SUBLTAP: Tapping Pipelines Under Pressure

51. Question Result, ID, Sat, AR.RMP.HOTTAP.P, 192.605(b)(1) (192.627)
References

Question Text *Is the process adequate for tapping pipelines under pressure?*

Assets Covered 88991 (1519)

Result Notes OM Section 15.12 - Tapping Pipelines.

52. Question Result, ID, Sat, TQ.QU.HOTTAPQUAL.P, 192.627 (192.805(b))
References

Question Text *Does the process require taps on a pipeline under pressure (hot taps) to be performed by qualified personnel?*

Assets Covered 88991 (1519)

Result Notes OM Section 15.12 - Tapping Pipelines

Section 1

PRO.SUBLPURGE: Pipeline Purging

53. Question Result, ID, Sat, MO.GO.PURGE.P, 192.605(b)(1) (192.629(a), 192.629(b))
References

Question Text *Does the process include requirements for purging of pipelines in accordance with 192.629?*

Assets Covered 88991 (1519)

Result Notes OM Section 15.6 - Purging Pipelines.

PRO.SUBMLINEMARK: Line Marker

54. Question Result, ID, Sat, MO.RW.ROWMARKER.P, 192.707(a) (192.707(b), 192.707(d), CGA Best Practices, v4.0, Practice 2-
References 5, CGA Best Practices, v4.0, Practice 4-20)

Question Text *Does the process adequately cover the requirements for placement of ROW markers?*

Assets Covered 88991 (1519)

Result Notes OM Section 18.2 - Pipeline Markers.

Manual included section specific to Washington State requirements.

55. Question Result, ID, Sat, MO.RW.MARKERSURVEY.P,
References

Question Text *Are procedures in place to survey pipeline markers at specified intervals?*

Assets Covered 88991 (1519)

Result Notes OM Section 18 - Damage Prevention

Form F-34 - Pipeline Marker surveys

56. Question Result, ID, References **Sat, MO.RW.MARKERREPLACE.P,**
Question Text *Does the manual include procedures to replace damaged or missing markers within 45 days?*
Assets Covered **88991 (1519)**
Result Notes **OM Section 18 (5) - Damage Prevention.**

PRO.SUBMPATROLDIST: Distribution System Patrolling & Leakage Survey

57. Question Result, ID, References **NA, MO.RW.DISTPATROL.P, 192.721(a) (192.721(b))**
Question Text *Does the process require distribution system patrolling to be conducted?*
Assets Covered **88991 (1519)**
Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**

58. Question Result, ID, References **NA, MO.RW.DISTLEAKAGE.P, 192.723(a) (192.723(b))**
Question Text *Does the process require distribution system leakage surveys to be conducted?*
Assets Covered **88991 (1519)**
Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**

59. Question Result, ID, References **NA, MO.RW.CASINGLEAKSURVEY.P,**
Question Text *Does the process require shorted casings be leak surveyed as required?*
Assets Covered **88991 (1519)**
Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**

60. Question Result, ID, References **NA, MO.RW.MOVEANDLOWERSURVEY.P,**
Question Text *Does the manual include procedures to leak survey not more than thirty days after a metallic pipeline has been moved or lowered?*
Assets Covered **88991 (1519)**
Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**

61. Question Result, ID, References **NA, MO.RW.LEAKGRADE.P,**
Question Text *Do procedures require grading/re-grading leaks and evaluating the concentration and extent of leakage?*
Assets Covered **88991 (1519)**
Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**

62. Question Result, ID, References **NA, MO.RW.LEAKPERIMETER.P,**
Question Text *Do procedures require checking the perimeter of a gas leak with a combustible gas indicator?*
Assets Covered **88991 (1519)**
Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**

63. Question Result, ID, References **NA, MO.RW.LEAKFOLLOW.P,**
Question Text *Do procedures require performing a follow-up inspection on all leak repairs with residual gas remaining in the ground not later than thirty days after the repair?*
Assets Covered **88991 (1519)**
Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**

PRO.SUBMPATROLEAK: Transmission System Patrolling & Leakage Survey

64. Question Result, ID, References **Sat, MO.RW.TRANSPATROL.P, 192.705(a) (192.705(b), 192.705(c))**
Question Text *Does the process adequately cover the requirements for transmission line patrolling the ROW and conditions reported?*
Assets Covered **88991 (1519)**

Result Notes OM Section 7.1 - Leak patrols

Currently conducted with leak detector sniff test.

65. Question Result, ID, References Sat, MO.RW.TRANSLEAKAGE.P, 192.706 (192.706(a), 192.706(b))
Question Text *Does the process require transmission leakage surveys to be conducted?*
Assets Covered 88991 (1519)
Result Notes OM Section 7.5 - Leak Surveys

Conducted annually.

Form 3(b)

PRO.SUBMSVCREINSTATE: Test Requirements For Reinstating Service Lines

66. Question Result, ID, References NA, AR.RMP.TESTREINSTATE.P, 192.605(b) (192.725(a), 192.725(b))
Question Text *Is the process adequate for the testing of disconnected service lines?*
Assets Covered 88991 (1519)
Result Notes No such relevant facilities/equipment existed in the scope of inspection review.

PRO.SUBMOVERPRESS: Pressure Limiting And Regulating Station

67. Question Result, ID, References Unsat, MO.GMOPP.PRESSREGTEST.P, 192.605(b)(1) (192.739(a), 192.739(b))
Question Text *Does the process include procedures for inspecting and testing each pressure limiting station, relief device, and pressure regulating station and their equipment?*
Assets Covered 88991 (1519)
Result Issue Summary Operations and Maintenance Manual did not contain specific detailed procedures for inspecting and testing each pressure limiting station, relief device, and pressure regulating station. This is a critical safety procedure that must be in place and strictly adhered to every time that an inspection or lock up test is performed at a pressure regulating or limiting station.

Staff was presented with a draft version of a procedure for Cardinal's pressure limiting station shortly after this audit was concluded. Once this procedure is added to the current Operations and Maintenance Manual, and properly followed during required inspections and testing, then compliance will be attained.
Standard Issues A2 (Significant impact/limited occurrence) : 480-93-180 : No process.
Result Notes OM Section 9.7 - Pressure Limiting Device Inspection.

Need to update procedure for how it is actually performed and documentation.

Original OM Procedure P-19

68. Question Result, ID, References NA, MO.GMOPP.PRESSREGMETER.P, 192.605(b)(1) (192.741(a), 192.741(b), 192.741(c))
Question Text *Does the process require telemetering or recording gauges be utilized as required for distribution systems?*
Assets Covered 88991 (1519)
Result Notes No such relevant facilities/equipment existed in the scope of inspection review.

69. Question Result, ID, References Sat, MO.GMOPP.PRESSREGCAP.P, 192.605(b)(1) (192.743(a), 192.743(b), 192.743(c))
Question Text *Does the process include procedures for ensuring that the capacity of each pressure relief device at pressure limiting stations and pressure regulating stations is sufficient?*
Assets Covered 88991 (1519)
Result Notes No pop off reliefs. Worker monitor only (Mooney's).

70. Question Result, ID, References **NA, MO.GMOPP.MULTIPRESSREG.P,**
Question Text *Does the manual include procedures to install two or more regulator stations in a manner that will provide protection between the stations?*
Assets Covered **88991 (1519)**
Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**

71. Question Result, ID, References **NA, DC.METERREGSVC.REGTEST.P,**
Question Text *Does the manual have procedures for testing service regulators and associated safety devices during initial turn-on and when a customer experiences a pressure problem?*
Assets Covered **88991 (1519)**
Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**

PRO.SUBMVALVE: Valve And Vault Maintenance

72. Question Result, ID, References **NA, MO.GM.DISTVALVEINSPECT.P, 192.605(b)(1) (192.747(a), 192.747(b))**
Question Text *Does the process include procedures for inspecting and partially operating each distribution system valve that might be required in an emergency at intervals not exceeding 15 months, but at least once each calendar year and for taking prompt remedial action to correct any valve found inoperable?*
Assets Covered **88991 (1519)**
Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**

PRO.SUBMIGNITE: Prevention Of Accidental Ignition

73. Question Result, ID, References **Sat, MO.GM.IGNITION.P, 192.605(b)(1) (192.751(a), 192.751(b), 192.751(c))**
Question Text *Are there processes for minimizing the danger of accidental ignition where gas constitutes a hazard of fire or explosion?*
Assets Covered **88991 (1519)**
Result Notes **OM Section 12.1 - Accidental Ignition Prevention.**
OM Section 7.9 - Leak Classification (Grade 1 leaks)

PRO.SUBEWELD: Welding And Weld Defect Repair/removal

74. Question Result, ID, References **Sat, DC.WELDPROCEDURE.WELD.P, 192.225(a) (192.225(b))**
Question Text *Does the process require welding to be performed by qualified welders using qualified welding procedures and are welding procedures and qualifying tests required to be recorded in detail?*
Assets Covered **88991 (1519)**
Result Notes **OM Section 16.3 - Welding Procedure**
OM Section 16.4 - Welder Qualifications.

75. Question Result, ID, References **Sat, TQ.QUOMCONST.WELDER.P, 192.227(a) (192.225(a), 192.225(b), 192.328(a), 192.328(b))**
Question Text *Does the process require welders to be qualified in accordance with API 1104 or the ASME Boiler & Pressure Vessel Code?*
Assets Covered **88991 (1519)**
Result Notes **OM Section 16.4 - Welder Qualifications.**

76. Question Result, ID, References **Sat, TQ.QUOMCONST.WELDERLOWSTRESS.P, 192.227(b) (192.225(a), 192.225(b), 192.805(b))**
Question Text *Does the process require welders who perform welding on low stress pipe on lines that operate at < 20% SMYS to be qualified under Section I of Appendix C to Part 192, and are welders who perform welding on service line connection to a main required to be qualified under Section II of Appendix C to Part 192?*
Assets Covered **88991 (1519)**
Result Notes **OM Section 16.5 - Welder Limitations.**

77. Question Result, ID, References **Sat, DC.WELDERQUAL.WELDERLIMITNDT.P, 192.303 (192.229(a), 192.229(b), 192.229(c), 192.229(d))**
 Question Text *Does the process require certain limitations be placed on welders and welding operators in accordance with 192.229?*
 Assets Covered **88991 (1519)**
 Result Notes **OM Section 16.5 - Welding Limitations.**
78. Question Result, ID, References **Sat, DC.WELDPROCEDURE.WELDWEATHER.P, 192.303 (192.231)**
 Question Text *Does the process require welding to be protected from weather conditions that would impair the quality of the completed weld?*
 Assets Covered **88991 (1519)**
 Result Notes **OM Section 16.9**
79. Question Result, ID, References **Sat, DC.WELDPROCEDURE.MITERJOINT.P, 192.303 (192.233(a), 192.233(b), 192.233(c))**
 Question Text *Does the process prohibit the use of certain miter joints as required by 192.233?*
 Assets Covered **88991 (1519)**
 Result Notes **OM Section 16.7 - Joint Preparation.**
80. Question Result, ID, References **Sat, DC.WELDPROCEDURE.ESSENTIAL.P,**
 Question Text *Does the process require documenting essential variables when qualifying welders and weld procedures?*
 Assets Covered **88991 (1519)**
 Result Notes **OM Section 16.4 - Welder Qualifications**

Need to update procedure to include documenting essential variables.
81. Question Result, ID, References **Sat, DC.WELDPROCEDURE.WELDPREP.P, 192.303 (192.235)**
 Question Text *Does the process require certain preparations for welding, in accordance with 192.235?*
 Assets Covered **88991 (1519)**
 Result Notes **OM Section 16.6 - Preparation for Welding.**
82. Question Result, ID, References **Sat, DC.WELDINSPECTION.WELDVISUALQUAL.P, 192.303 (192.241(a), 192.241(b), 192.241(c))**
 Question Text *Does the process require visual inspections of welds to be conducted by qualified inspectors?*
 Assets Covered **88991 (1519)**
 Result Notes **OM Section 16.11(A) - Welding Inspection.**
83. Question Result, ID, References **Sat, DC.WELDINSPECTION.WELDREPAIR.P, 192.303 (192.245(a), 192.245(b), 192.245(c))**
 Question Text *Does the process require welds that are unacceptable to be removed and/or repaired as specified by 192.245?*
 Assets Covered **88991 (1519)**
 Result Notes **OM Section 16.13 - Repair and Removal of Defects.**

PRO.SUBENDT: Nondestructive Testing

84. Question Result, ID, References **Sat, DC.WELDINSPECTION.WELDNDT.P, 192.243(a) (192.243(b), 192.243(c), 192.243(d), 192.243(e).)**
 Question Text *Is there a process for nondestructive testing and interpretation in accordance with 192.243?*
 Assets Covered **88991 (1519)**
 Result Notes **OM Section 16.12 - NDT**

PRO.SUBICORROSION: Corrosion Control

85. Question Result, ID, References **Sat, TD.COAT.NEWPIPE.P, 192.605(b)(2) (192.455(a), 192.455(b), 192.455(c), 192.455(d), 192.461(a), 192.461(b), 192.463, 192.483(a))**

Question Text *Does the process require that each buried or submerged pipeline installed after July 31, 1971 be externally coated with a material that is adequate for underground service on a cathodically protected pipeline?*

Assets Covered 88991 (1519)

Result Notes OM Section 10.4 - External Corrosion.

86. Question Result, ID, References Sat, TQ.QU.CORROSION.P, 192.453 (192.805(b))

Question Text *Does the process require corrosion control procedures to be carried out by, or under the direction of, qualified personnel?*

Assets Covered 88991 (1519)

Result Notes OM Section 10 - Corrosion Control

87. Question Result, ID, References NA, TD.COAT.CONVERTPIPE.P, 192.605(b)(2) (192.452(a), 192.455(a), 192.455(b), 192.455(c), 192.455(d), 192.461(a))

Question Text *Does the process require that each buried or submerged pipeline that has been converted to gas service and was installed after July 31, 1971, be protected against external corrosion with an adequate coating unless exempted by 192.455(b)?*

Assets Covered 88991 (1519)

Result Notes No such relevant facilities/equipment existed in the scope of inspection review.

88. Question Result, ID, References Sat, TD.CP.POST1971.P, 192.605(b)(2) (192.455(a), 192.457(a), 192.452(a), 192.452(b), 192.455(c), 192.455(d))

Question Text *Does the process require that each buried or submerged pipeline installed after July 31, 1971, be protected against external corrosion with a cathodic protection system within 1 year after completion of construction, conversion to service, or becoming jurisdictional onshore gathering?*

Assets Covered 88991 (1519)

Result Notes OM Section 10.4

89. Question Result, ID, References NA, TD.CP.PRE1971.P, 192.605(b)(2) (192.457(b))

Question Text *Does the process require that pipelines installed before August 1, 1971 (except for cast and ductile iron lines) which are 1) bare or ineffectively coated transmission lines, or 2) bare or coated pipes in compressor, regulator or meter stations, or 3) bare or coated distribution lines, must be cathodically protected in areas where active corrosion is found?*

Assets Covered 88991 (1519)

Result Notes No such relevant facilities/equipment existed in the scope of inspection review.

90. Question Result, ID, References Sat, TD.CPEXPOSED.EXPOSEINSPECT.P, 192.605(b)(2) (192.459)

Question Text *Does the process require that exposed portions of buried pipeline must be examined for external corrosion?*

Assets Covered 88991 (1519)

Result Notes OM Section 10.4 - Exposed Pipeline

Form 5 - Exposed Pipe Inspection Form.

91. Question Result, ID, References Sat, TD.CPEXPOSED.EXPOSECORRODE.P, 192.605(b)(2) (192.459)

Question Text *Does the process require further examination of exposed buried pipe if corrosion is found?*

Assets Covered 88991 (1519)

Result Notes OM Section 10.4

92. Question Result, ID, References Sat, TD.CPEXPOSED.MONITORCRITERIA.P, 192.605(b)(2) (192.463(a), 192.463(c))

Question Text *Does the process require CP monitoring criteria to be used that is acceptable?*

Assets Covered 88991 (1519)

Result Notes OM Section 10.5 - CP Survey

93. Question Result, ID, References Sat, TD.CPMONITOR.TEST.P, 192.605(b)(2) (192.465(a))

Question Text *Does the process adequately describe how to monitor CP that has been applied to pipelines?*

Assets Covered 88991 (1519)
Result Notes OM Section 10.5 - CP Surveys

94. Question Result, ID, References NA, TD.CP.MONITOR.CURRENTTEST.P, 192.605(b)(2) (192.465(b))
Question Text *Does the process give sufficient details for making electrical checks of rectifiers or impressed current sources?*
Assets Covered 88991 (1519)
Result Notes No such relevant facilities/equipment existed in the scope of inspection review.
95. Question Result, ID, References NA, TD.CP.MONITOR.REVCURRENTTEST.P, 192.605(b)(2) (192.465(c))
Question Text *Does the process give sufficient details for making electrical checks of interference bonds, diodes, and reverse current switches?*
Assets Covered 88991 (1519)
Result Notes No such relevant facilities/equipment existed in the scope of inspection review.
96. Question Result, ID, References Sat, TD.CP.MONITOR.DEFICIENCY.P, 192.605(b)(2) (192.465(d))
Question Text *Does the process require that the operator promptly correct any identified deficiencies in corrosion control?*
Assets Covered 88991 (1519)
Result Notes OM Section 10.13 - Remedial measures.
97. Question Result, ID, References NA, TD.CP.UNPROTECT.P, 192.605(b)(2) (192.465(e))
Question Text *Does the process give sufficient direction for the monitoring of external corrosion on buried pipelines that are not protected by cathodic protection?*
Assets Covered 88991 (1519)
Result Notes No such relevant facilities/equipment existed in the scope of inspection review.
98. Question Result, ID, References NA, FS.FG.CASING.P,
Question Text *Does the manual include procedures to only install bare steel casings and to include test leads on all new casings?*
Assets Covered 88991 (1519)
Result Notes No such relevant facilities/equipment existed in the scope of inspection review.
99. Question Result, ID, References NA, FS.FG.CASESEAL.P,
Question Text *Does the manual include procedures to seal the ends of casings and conduits for mains and transmission and to seal the end nearest a building for service lines?*
Assets Covered 88991 (1519)
Result Notes No such relevant facilities/equipment existed in the scope of inspection review.
100. Question Result, ID, References Sat, TD.CP.ELECISOLATE.P, 192.605(b)(2) (192.467(a), 192.467(b), 192.467(c), 192.467(d), 192.467(e))
Question Text *Does the process give adequate guidance for electrically isolating each buried or submerged pipeline from other metallic structures unless they electrically interconnect and cathodically protect the pipeline and the other structures as a single unit?*
Assets Covered 88991 (1519)
Result Notes OM Section 10.16 - Electrical Isolation.

Recorded on Form 6 Annual CP Surveys
101. Question Result, ID, References NA, TD.CP.CASINGINSPECT.P,
Question Text *Does the process give sufficient direction for conducting annual casing inspections to ensure electrical isolation from the pipeline?*
Assets Covered 88991 (1519)
Result Notes No such relevant facilities/equipment existed in the scope of inspection review.

102. Question Result, ID, References **Sat, TD.CPMONITOR.TESTSTATION.P, 192.469**
 Question Text *Does the process contain provisions to assure that each pipeline has sufficient test stations or other contact points to determine the adequacy of cathodic protection?*
 Assets Covered **88991 (1519)**
 Result Notes **OM Section 10.7 - Test Leads**
103. Question Result, ID, References **Sat, TD.CPMONITOR.TESTLEAD.P, 192.605(b)(2) (192.471(a), 192.471(b), 192.471(c))**
 Question Text *Does the process provide adequate instructions for the installation of test leads?*
 Assets Covered **88991 (1519)**
 Result Notes **OM Section 10.8.**
104. Question Result, ID, References **Sat, TD.CPMONITOR.INTFRCURRENT.P, 192.605(b)(2) (192.473(a))**
 Question Text *Does the operator have a program in place to minimize detrimental effects of interference currents on its pipeline system and does the process for designing and installing cathodic protection systems provide for the minimization of detrimental effects of interference currents on existing adjacent metallic structures?*
 Assets Covered **88991 (1519)**
 Result Notes **OM Section 10.17**

Have not identified any interference currents as of inspection date..
105. Question Result, ID, References **Sat, TD.ICP.CORRGAS.P, 192.605(b)(2) (192.475(a))**
 Question Text *Does the process require that the corrosive effect of the gas in the pipeline be investigated and if determined to be corrosive, steps be taken to minimize internal corrosion?*
 Assets Covered **88991 (1519)**
 Result Notes **Only transport non-corrosive gas.**

OM Section 10.2 - Internal Corrosion.
106. Question Result, ID, References **Sat, TD.ICP.EXAMINE.P, 192.605(b)(2) (192.475(a), 192.475(b))**
 Question Text *Does the process direct personnel to examine removed pipe for evidence of internal corrosion?*
 Assets Covered **88991 (1519)**
 Result Notes **OM Section 10.3 - Internal Corrosion**

Form 5 - Internal Pipeline Inspection.
107. Question Result, ID, References **NA, TD.ICP.CORRGASACTION.P, 192.605(b)(2) (192.477)**
 Question Text *Does the process give adequate direction for actions to be taken if corrosive gas is being transported by pipeline?*
 Assets Covered **88991 (1519)**
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
108. Question Result, ID, References **Sat, TD.ATM.ATMCORRODE.P, 192.605(b)(2) (192.479(a), 192.479(b), 192.479(c))**
 Question Text *Does the process give adequate guidance identifying atmospheric corrosion and for protecting above ground pipe from atmospheric corrosion?*
 Assets Covered **88991 (1519)**
 Result Notes **OM Section 10.10 - AC Intervals**

OM Section 10.13 - Remedial Measures.
109. Question Result, ID, References **NA, TD.ATM.ATMCORRODEINSP.P, 192.605(b)(2) (192.481(a), 192.481(b), 192.481(c))**
 Question Text *Does the process give adequate instruction for the inspection of aboveground pipeline segments, including inside meter and pressure regulator installations, for atmospheric corrosion?*
 Assets Covered **88991 (1519)**

Result Notes No such relevant facilities/equipment existed in the scope of inspection review.

110. Question Result, ID, References Sat, AR.COM.REPAIR.P, 192.605(b)(2) (192.487(a), 192.487(b), 192.489(a), 192.489(b), 192.491(c))

Question Text *Does the process give sufficient guidance for personnel to repair or replace pipe that has corroded to an extent that there is no longer sufficient remaining strength in the pipe wall?*

Assets Covered 88991 (1519)

Result Notes OM Section 10.13 - Remedial measures. (90 days)

111. Question Result, ID, References Sat, TD.CP.RECORDS.P, 192.605(b)(2) (192.491(a), 192.491(b), 192.491(c))

Question Text *Does the process include records requirements for the corrosion control activities listed in 192.491?*

Assets Covered 88991 (1519)

Result Notes OM Section 4.6 - Corrosion Control Records

MISCTOPICS.PUBAWARE: Public Awareness Program Effectiveness

112. Question Result, ID, References NA, PD.PA.MSTRMETER.P, 192.616(j) (192.616(h)) (also presented in: PRO.SUBLPUBAWARE)

Question Text *Does the public awareness program for a master meter or petroleum gas system meet the requirements of Part 192?*

Assets Covered 88991 (1519)

Result Notes No such relevant facilities/equipment existed in the scope of inspection review.

Except as required to be disclosed by law, any inspection documentation, including completed protocol forms, summary reports, executive summary reports, and enforcement documentation are for internal use only by federal or state pipeline safety regulators. Some inspection documentation may contain information which the operator considers to be confidential. In addition, supplemental inspection guidance and related documents in the file library are also for internal use only by federal or state pipeline safety regulators (with the exception of documents published in the federal register, such as advisory bulletins). Do not distribute or otherwise disclose such material outside of the state or federal pipeline regulatory organizations. Requests for such information from other government organizations (including, but not limited to, NTSB, GAO, IG, or Congressional Staff) should be referred to PHMSA Headquarters Management.