

# Inspection Output (IOR)

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## Report Filters

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

Results All

## Inspection Information

Inspection Name	8992 Cardinal Std	Operator(s)	CARDINAL FG (32176)	Plan Submitted	07/18/2025
		Lead	Anthony Dorrough	Plan Approval	07/24/2025
Status	LOCKED	Team Members	Emma Barrett		by Dennis Ritter
Start Year	2025	Observer(s)	David Cullom, Derek Norwood, Scott Anderson, Tom Green, Jason Hoxit	All Activity Start	08/06/2025
System Type	GT	Director	Dennis Ritter	All Activity End	08/08/2025
Protocol Set ID	WA.GT.2024.02			Inspection Submitted	10/15/2025
				Inspection Approval	10/15/2025
					by Dennis Ritter

## Inspection Summary

### Inspection Scope and Summary

This Standard Comprehensive inspection consisted of a procedures and records review as well as a review of pipeline facilities. 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. Pipeline Safety Engineer, Emma Barrett was participating in the inspection as an observer for training purposes.

### Facilities visited and Total AFOD=2

Wed 8/6 - Procedures & records review via MS Teams online.

Thu 8/7 - Field review of selected pipeline facilities.

Fri 8/8 - Inspection summary wrap-up & exit interview via MS Teams online.

### Summary of Significant Findings

*There were no UNSAT findings - During the procedures & records portion of the inspection staff suggested that the Williams Pipeline Company (Williams) & The Washington State Department of Transportation (WSDOT) be included in Cardinal's damage prevention stakeholder outreach, also during the pipeline facilities review portion of the inspection, at the regulator station, run #1 failed to achieve lock-up after numerous attempts, the run was left locked out and tagged awaiting investigation. Since only one run is needed to deliver service there were no issues.*

### Primary Operator contacts and/or participants

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### Operator executive contact and mailing address for any official correspondence

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## 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	Compressor Stations Bottle/Pipe - Holders	354	354	354	100.0%
					8992 Cardinal Std				

Report Filters: Results: all

#	Short Name	Long Name	Asset Type	Asset IDs	Excluded Topics	Planned	Required	Inspected	Total	Required % Complete
					Vault Service Line Gas Storage Field (Aboveground) Offshore GOM OCS Cast or Ductile Iron Copper Pipe Aluminum/Amphoteric Plastic Pipe AMAOP CDA Abandoned					

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)	2019 Gas Rule, Core, WUTC Standard Inspection	AR, CR, DC, EP, FS, IM, MO, PD, RPT, SRN, TD, TQ, UNGS, 114, GENERIC	P, R, O	Detail	--
2.	88991 (1519)	--	MO	P, R, O, S	Detail	--

## Plan Implementations

#	Activity Name	SMAR T Act#	Start Date	End Date	Focus Directives	Involved Groups/Subgroups	Asset s	Qst Type(s)	Planned	Required	Inspected	Total	Required % Complete
1	8892 Cardinal Std	--	08/06/2025	--		all planned questions	all assets	all types	354	354	354	354	100.0%
			08/08/2025										

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	8892 Cardinal Std	COMPLETED	08/08/2025	8892 Cardinal Std	88991 (1519)

## Results (all values, 354 results)

389 (instead of 354) results are listed due to re-presentation of questions in more than one sub-group.

### AR.IL: In-Line Inspection (Smart Pigs)

1. Question Result, ID, References NA, AR.IL.ILIVALIDATE.R, 192.947 (192.921(a)(1), 192.493)

Question Text Do records demonstrate that the operator has validated ILI assessment results per their process?

Assets Covered 88991 (1519)

Result Notes No such activity/condition was observed during the inspection.

8992 Cardinal Std

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Cardinals line is piggable but there have been no ILI assessments to date.

## AR.PTI: Integrity Assessment Via Pressure Test

2. Question Result, ID, References **NA, AR.PTI.PRESSTESTREVQUAL.R, 192.947(g) (192.915(a), 192.915(b))**  
Question Text *Do records demonstrate that operator/vendor personnel, including supervisors, who conduct or review pressure test assessment results are qualified for the tasks they perform?*  
Assets Covered **88991 (1519)**  
Result Notes **No such activity/condition was observed during the inspection.**  
  
**Not in an HCA - They currently use Method 1**
3. Question Result, ID, References **NA, AR.PTI.PRESSTESTRESULT.R, 192.517(a) (192.505(a), 192.505(b), 192.505(c), 192.505(d), 192.507(a), 192.507(b), 192.507(c), 192.513(a), 192.513(b), 192.513(c), 192.513(d), 192.517(b), 192.617, 192.619(a), 192.919(e), 192.921(a)(2))**  
Question Text *Do the test records validate the pressure test?*  
Assets Covered **88991 (1519)**  
Result Notes **No such activity/condition was observed during the inspection.**  
  
**Not in an HCA - MAOP = 1000 psig**
4. Question Result, ID, References **NA, AR.PTI.PRESSTESTCOMPLETE.O, 192.503(a) (192.503(b), 192.503(c), 192.503(d), 192.505(a), 192.505(b), 192.505(c), 192.505(d), 192.507(a), 192.507(b), 192.507(c), 192.513(a), 192.513(b), 192.513(c), 192.513(d))**  
Question Text *From field operations was the pressure test performed in accordance with Subpart J requirements and the process requirements?*  
Assets Covered **88991 (1519)**  
Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
5. Question Result, ID, References **Sat, AR.PTI.SPIKEHYDRO.P, 192.506(a) (192.505, 192.710(c)(3), 192.921(a)(3))**  
Question Text *Do the procedures for selecting pipeline assessment methods specifically include spike hydrotests as the assessment method for detecting time-dependent threats?*  
Assets Covered **88991 (1519)**  
Result Notes **Last revised July 15, 2025**  
  
**Section 17.4 - Transmission Lines: Spike Hydrostatic Pressure 192.506**
6. Question Result, ID, References **NA, AR.PTI.SPIKEHYDRO.R, 192.506(a) (192.505, 192.710(c)(3), 192.921(a)(3))**  
Question Text *Where time-dependent threats were an identified risk, do the records indicate that a spike hydrotest was performed to "clear" any cracks that might otherwise grow during pressure reductions after the hydrostatic test?*  
Assets Covered **88991 (1519)**  
Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**  
  
**No spiked hydrostatic tests taken.**

## AR.PFP: Predicted Failure Pressure

7. Question Result, ID, References **Sat, AR.PFP.ANOMALYMETALLOSS.P, 192.605 (192.607, 192.712(a), 192.917(b), 192.933(d), 192.485, 192.712(b))**  
Question Text *Do the procedures for evaluating corrosion metal loss anomalies or defects, ensure that a determination of the predicted failure pressure and the remaining life of the pipeline segment is established at the location of each anomaly or defect?*  
Assets Covered **88991 (1519)**  
Result Notes **Located O&M - Section 9 - Pressure Control**

8. Question Result, ID, References [Sat, AR.PFP.ANOMALYDENTS.P, 192.605 \(192.607, 192.712\(a\), 192.712\(b\), 192.933\(d\), 192.485, 192.712\(c\), 192.712\(h\)\)](#)  
 Question Text *Do the procedures for evaluating dents and other mechanical damage anomalies or defects, ensure that a determination of the predicted failure pressure and the remaining life of the pipeline segment is established at the location of each anomaly or defect?*  
 Assets Covered [88991 \(1519\)](#)  
 Result Notes [Located O&M - Section 9 - Pressure Control](#)
9. Question Result, ID, References [Sat, AR.PFP.ANOMALYCRACKMODEL.P, 192.605 \(192.607, 192.712\(a\), 192.712\(d\)\(1\)\)](#)  
 Question Text *Do the procedures for evaluating cracks and crack like defects ensure that a determination of the predicted failure pressure and the remaining life of the pipeline segment is established at the location of each anomaly or defect, in accordance with §192.712(d)(1)?*  
 Assets Covered [88991 \(1519\)](#)  
 Result Notes [Located O&M - Section 9 - Pressure Control](#)
10. Question Result, ID, References [Sat, AR.PFP.ANOMALYCRACKGROWTH.P, 192.605 \(192.607, 192.712\(d\)\(2\)\)](#)  
 Question Text *Do the procedures detail the performance of fatigue analysis and remaining life calculations for pipeline segments susceptible to cyclic fatigue or other loading conditions that could lead to fatigue crack growth?*  
 Assets Covered [88991 \(1519\)](#)  
 Result Notes [Located O&M - Section 9 - Pressure Control](#)
11. Question Result, ID, References [Sat, AR.PFP.ANOMALYCRACKSURVIVEPT.P, 192.712\(d\)\(3\) \(192.607, 192.712\(a\), 192.712\(d\)\(1\)\)](#)  
 Question Text *Do procedures call for the calculation of the largest potential crack defect sizes when analyzing potential cracks that could have survived a pressure test, specifically in the absence of any in-line inspection data in accordance with §192.712(d)(3)?*  
 Assets Covered [88991 \(1519\)](#)  
 Result Notes [Located O&M - Section 9 - Pressure Control](#)
12. Question Result, ID, References [Sat, AR.PFP.ANOMALYDATAUSE.P, 192.605 \(192.607, 192.712\(e\)\)](#)  
 Question Text *Do the procedures detail the use of data when performing analyses of predicted or assumed anomalies or defects, in accordance with §192.712(e)?*  
 Assets Covered [88991 \(1519\)](#)  
 Result Notes [Located O&M - Section 9 - Pressure Control](#)
13. Question Result, ID, References [Sat, AR.PFP.ANOMALYRECORDS.P, 192.605 \(192.607, 192.712\(g\)\)](#)  
 Question Text *Do procedures detail the collection, creation and retention of records including all investigations, analyses, and other actions taken in performing analyses of predicted or assumed anomalies or defects, in accordance with 192.712(g)?*  
 Assets Covered [88991 \(1519\)](#)  
 Result Notes [Located O&M - Section 9 - Pressure Control](#)
14. Question Result, ID, References [Sat, AR.PFP.ANOMALYREASSESS.P, 192.605 \(192.712\(h\)\)](#)  
 Question Text *Do procedures detail the reassessment of anomalies when an operator used an Engineering Critical Assessment method?*  
 Assets Covered [88991 \(1519\)](#)  
 Result Notes [Located O&M - Section 9 - Pressure Control](#)
15. Question Result, ID, References [NA, AR.PFP.ANOMALYRECORDS.R, 192.712\(g\) \(192.712\(e\)\)](#)  
 Question Text *Do the records capture all investigations, analyses and other actions taken to support the analysis of predicted failure pressure in accordance with §192.712(g)?*  
 Assets Covered [88991 \(1519\)](#)  
 Result Notes [No such activity/condition was observed during the inspection.](#)

## AR.RCNONHCA: Repair Criteria (Non-HCA)

16. Question Result, ID, References **Sat, AR.RCNONHCA.GENERAL.P, 192.605(a) (192.714(a), 192.714(b), 192.714(h))**  
 Question Text *Do the repair procedures detail making repairs in a safe manner in non-covered segments?*  
 Assets Covered **88991 (1519)**  
 Result Notes **Located in O&M Section 15.4 - Repairs**
17. Question Result, ID, References **NA, AR.RCNONHCA.GENERAL.R, 192.714(b) (192.714(h))**  
 Question Text *Do records demonstrate that repairs were made in a safe manner in non-covered segments?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such activity/condition was observed during the inspection.**
18. Question Result, ID, References **Sat, AR.RCNONHCA.SCHEDULE.P, 192.605 (192.714(c), 192.714(h))**  
 Question Text *Do the repair procedures discuss remediating conditions according to a prioritization schedule in non-covered segments?*  
 Assets Covered **88991 (1519)**  
 Result Notes **Located in O&M Section 15.4 - Repairs**
19. Question Result, ID, References **NA, AR.RCNONHCA.SCHEDULE.R, 192.714(c) (192.105, 192.714(h))**  
 Question Text *Do records demonstrate that defects in non-covered segments were remediated according to a prioritization schedule?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such activity/condition was observed during the inspection.**
20. Question Result, ID, References **Sat, AR.RCNONHCA.IMMEDIATE.P, 192.605 (192.714(d)(1), 192.714(h))**  
 Question Text *Do the repair procedures cover all of the elements for making immediate repairs in non-covered segments?*  
 Assets Covered **88991 (1519)**  
 Result Notes **Located in O&M Section 15.4 - Repairs**
21. Question Result, ID, References **NA, AR.RCNONHCA.IMMEDIATE.R, 192.714(d)(1) (192.712, 192.714(h))**  
 Question Text *Do records demonstrate that all conditions requiring immediate repair were repaired immediately upon discovery?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such activity/condition was observed during the inspection.**
22. Question Result, ID, References **Sat, AR.RCNONHCA.TWOYEAR.P, 192.605 (192.714(d)(2), 192.714(h))**  
 Question Text *Do the repair procedures cover all of the elements for making repairs in non covered segments for Two-year conditions?*  
 Assets Covered **88991 (1519)**  
 Result Notes **Located in O&M Section 15.4 - Repairs**
23. Question Result, ID, References **NA, AR.RCNONHCA.TWOYEAR.R, 192.714(d)(2) (192.712, 192.714(h))**  
 Question Text *Do records demonstrate that all conditions meeting the two-year condition requirements were repaired within two years of discovery?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such activity/condition was observed during the inspection.**
24. Question Result, ID, References **Sat, AR.RCNONHCA.MONITOR.P, 192.605 (192.714(d)(3), 192.714(h))**  
 Question Text *Do the repair procedures require the operator to record and monitor conditions that meet monitoring criteria in non covered segments?*  
 Assets Covered **88991 (1519)**  
 Result Notes **Located in O&M Section 15.4 - Repairs**

25. Question Result, ID, References **NA, AR.RCNONHCA.MONITOR.R, 192.714(d)(3) (192.712, 192.714(h))**  
 Question Text *Do records demonstrate that all defects were properly categorized?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such activity/condition was observed during the inspection.**
26. Question Result, ID, References **Sat, AR.RCNONHCA.PRESSUREREDUC.P, 192.605 (192.714(e), 192.714(h))**  
 Question Text *Do the repair procedures require a temporary pressure reduction for making repairs in non-covered segments?*  
 Assets Covered **88991 (1519)**  
 Result Notes **Located in O&M Section 15.4 - Repairs**
27. Question Result, ID, References **NA, AR.RCNONHCA.PRESSUREREDUC.R, 192.714(e) (192.714(h))**  
 Question Text *Do records demonstrate that a temporary pressure reduction was taken immediately or when a repair schedule could not be met?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such activity/condition was observed during the inspection.**
28. Question Result, ID, References **Sat, AR.RCNONHCA.OTHER.P, 192.605 (192.714(f), 192.714(h))**  
 Question Text *Do the repair procedures require the operator to take appropriate remedial action for other conditions that could affect safe operations in non-covered segments?*  
 Assets Covered **88991 (1519)**  
 Result Notes **Located in O&M Section 15.4 - Repairs**
29. Question Result, ID, References **NA, AR.RCNONHCA.OTHER.R, 192.714(f) (192.714(h))**  
 Question Text *Do the records show that the operator took appropriate remedial action for other conditions that could affect safe operations in non-covered segments?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such activity/condition was observed during the inspection.**
30. Question Result, ID, References **Sat, AR.RCNONHCA.CRACK.P, 192.605 (192.714(g), 192.714(h))**  
 Question Text *Do the repair procedures require the operator to perform direct examinations of known locations of cracks or crack-like defects?*  
 Assets Covered **88991 (1519)**  
 Result Notes **Located in O&M Section 15.4 - Repairs**
31. Question Result, ID, References **NA, AR.RCNONHCA.CRACK.R, 192.714(g) (192.714(h))**  
 Question Text *Do the records show that the operator performed direct examinations of known locations of cracks or crack-like defects?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such activity/condition was observed during the inspection.**
32. Question Result, ID, References **NA, AR.RCNONHCA.REMEDIATION.O, 192.714**  
 Question Text *Is anomaly remediation adequate for the non-covered segments being observed?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**

## **AR.RMP: Repair Methods and Practices**

33. Question Result, ID, References **Sat, AR.RMP.IGNITION.O, 192.751(a) (192.751(b), 192.751(c))**  
 Question Text *Perform observations of selected locations to verify that adequate steps have been taken by the operator to minimize the potential for accidental ignition.*  
 Assets Covered **88991 (1519)**

Result Notes Staff reviewed pipeline facilities: including warning signs, lockout tags, removal of ignition sources and firefighting equipment availability.

34. Question Result, ID, NA, AR.RMP.METHOD.R, 192.709(a) (192.713(a), 192.713(b), 192.717(a), 192.717(b), ASME B31.8S-References 2004 Section 7)

Question Text *From the review of records, were all repairs performed in accordance with processes, applicable sections of Part 192, the guidance of ASME B31.8S-2004, Section 7, and the Pipeline Repair Manual, Revision 5?*

Assets Covered 88991 (1519)

Result Notes No such activity/condition was observed during the inspection.

35. Question Result, ID, NA, AR.RMP.REPAIRQUAL.R, 192.807(b) (192.805(h))References

Question Text *From the review of selected records, were personnel performing repairs, other than welding, and post repair tests qualified for the task they performed?*

Assets Covered 88991 (1519)

Result Notes No such activity/condition was observed during the inspection.

36. Question Result, ID, NA, AR.RMP.REPLACESTD.R, 192.713(a) (Part 192 Subpart D)References

Question Text *From the review of records, were any components that were replaced constructed to the same or higher standards as the original component?*

Assets Covered 88991 (1519)

Result Notes No such activity/condition was observed during the inspection.

37. Question Result, ID, NA, AR.RMP.WELDTTEST.O, 192.719(a) (192.719(b))References

Question Text *Does the operator properly test replacement pipe and repairs made by welding on transmission lines?*

Assets Covered 88991 (1519)

Result Notes No such activity/condition was observed during the inspection.

## AR.PA: Pipeline Assessments for Non-IM Onshore Pipelines

38. Question Result, ID, NA, AR.PA.ASESSSCH.D.P, 192.710(b)(1) (192.710(b)(3))References

Question Text *What is the process/plan (including the selection criteria, timeline, and use of prior assessments) for performing the initial assessments as required by §192.710(b)(1) and (b)(3)?*

Assets Covered 88991 (1519)

Result Notes No such activity/condition was observed during the inspection.

Cardinal pipeline operates at lower than 30% SMYS

39. Question Result, ID, NA, AR.PA.ASESSSCH.D.R, 192.710(b)(1) (192.710(b)(3))References

Question Text *Do records demonstrate pipeline segments were initially assessed (and when) per §192.710(b)(1)?*

Assets Covered 88991 (1519)

Result Notes No such activity/condition was observed during the inspection.

40. Question Result, ID, NA, AR.PA.ASESSMETHODS.P, 192.710(c)References

Question Text *Do the procedures include a methodology for conducting the initial assessment of pipeline segments outside of an HCA per §192.710(c)?*

Assets Covered 88991 (1519)

Result Notes No such activity/condition was observed during the inspection.

41. Question Result, ID, NA, AR.PA.ASESSMETHODS.R, 192.710(c)References

Question Text *Do the records confirm the methodology used for conducting the initial assessment of pipeline segments outside of an HCA per §192.710(c) was selected based on the results of a risk-based prioritization?*

Assets Covered 88991 (1519)

Result Notes No such activity/condition was observed during the inspection.

42. Question Result, ID, References **NA, AR.PA.REASSESSMENTS.P, 192.710(b)(2) (192.710(b)(3), 192.939(a))**  
 Question Text *Do the procedures require reassessments to be conducted at least once every 10 years, not to exceed 126 months, or a shorter interval based upon the nature and extent of anomalies discovered in the previous assessment as required by §192.710(b)(2)?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such activity/condition was observed during the inspection.**
43. Question Result, ID, References **NA, AR.PA.REASSESSMENTS.R, 192.710(b)(2) (192.710(b)(3), 192.939(a))**  
 Question Text *Do the records indicate adequate documentation of and rationale for the reassessment intervals?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such activity/condition was observed during the inspection.**
44. Question Result, ID, References **NA, AR.PA.OTHERTECH.P, 192.710(c)(7) (192.18, 192.506(b))**  
 Question Text *Where the operator has elected to use "Other Technology" (or other technical evaluation process) for assessing pipeline segments, does the process demonstrate an equivalent understanding of the condition of the line pipe for each of the threats to which the pipeline is susceptible?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such activity/condition was observed during the inspection.**
45. Question Result, ID, References **NA, AR.PA.OTHERTECH.R, 192.710(c)(7) (192.18, 192.506(b))**  
 Question Text *Where the operator has elected to use "Other Technology" (or other technical evaluation process) for assessing pipeline segments, do the records demonstrate an equivalent understanding of the condition of the line pipe for each of the threats to which the pipeline is susceptible?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such activity/condition was observed during the inspection.**
46. Question Result, ID, References **NA, AR.PA.REMEDIATIONCRITERIA.P, 192.710(f)**  
 Question Text *Did the operator's procedures for anomaly investigation and remediation criteria for non-HCA pipeline segments meet the requirements of §§192.485, 192.711, and 192.713?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such activity/condition was observed during the inspection.**
47. Question Result, ID, References **NA, AR.PA.REMEDIATIONCRITERIA.R, 192.710(f) (192.933, 192.709)**  
 Question Text *Do the remediation records indicate that conducted remediation activities were conducted in accordance with the procedures?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such activity/condition was observed during the inspection.**
48. Question Result, ID, References **NA, AR.PA.THREATID.P, 192.710**  
 Question Text *Does the process include requirements to identify and evaluate all potential threats to each covered pipeline segment?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such activity/condition was observed during the inspection.**
49. Question Result, ID, References **NA, AR.PA.THREATID.R, 192.710**  
 Question Text *Do records demonstrate that all potential threats to each covered pipeline segment have been identified and evaluated?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such activity/condition was observed during the inspection.**
50. Question Result, ID, References **NA, AR.PA.RAMETHOD.P, 192.710**  
 Question Text *Does the process include requirements for a risk assessment and/or risk prioritization, that considers all of the identified threats for each assessable non-HCA pipeline segment?*

Assets Covered 88991 (1519)  
Result Notes No such activity/condition was observed during the inspection.

51. Question Result, ID, References NA, AR.PA.RAMETHOD.R, 192.710

Question Text *Do records demonstrate that the operator has performed a risk assessment on the non-HCA pipeline segments?*

Assets Covered 88991 (1519)  
Result Notes No such activity/condition was observed during the inspection.

52. Question Result, ID, References NA, AR.PA.RAFACTORS.P, 192.710

Question Text *Does the process include requirements for risk factors that could affect the likelihood of a release, and for factors that could affect the consequences of potential releases, be accounted for and combined in an appropriate manner to produce a risk value for each pipeline segment?*

Assets Covered 88991 (1519)  
Result Notes No such activity/condition was observed during the inspection.

53. Question Result, ID, References NA, AR.PA.RAFACTORS.R, 192.710

Question Text *Do records demonstrate that risk analysis data is combined in an appropriate manner to produce a risk value for each pipeline segment?*

Assets Covered 88991 (1519)  
Result Notes No such activity/condition was observed during the inspection.

## DC.CO: Construction

54. Question Result, ID, References NA, DC.CO.CASING.R, 192.303 (192.323(a), 192.323(b), 192.323(c), 192.323(d), 192.467(a), 192.467(b))

Question Text *Do records indicate casings are installed in accordance with the requirements of WAC 480-93-115?*

Assets Covered 88991 (1519)  
Result Notes No such activity/condition was observed during the inspection.

55. Question Result, ID, References NA, DC.CO.CASING.O, 192.323 (192.467(a), 192.467(b))

Question Text *Do field observations confirm railroad or highway casings are being installed as designed and specified, and in accordance with 192.323?*

Assets Covered 88991 (1519)  
Result Notes No such relevant facilities/equipment existed in the scope of inspection review.

56. Question Result, ID, References NA, DC.CO.REPAIR.R, 192.303 (192.309, 192.493)

Question Text *Do records demonstrate that repairs to steel pipe are being made in accordance with §192.309?*

Assets Covered 88991 (1519)  
Result Notes No such activity/condition was observed during the inspection.

## DC.WELDINS: Construction Weld Inspection

57. Question Result, ID, References NA, DC.WELDINS.WELDVISUALQUAL.R, 192.241 (192.225, 192.227, 192.229, 192.231, 192.233, 192.243, 192.245)

Question Text *Does the operator have records showing that the welding was visually and/or non-destructively tested according to the requirements of 192.241 and the operator's specifications or procedures?*

Assets Covered 88991 (1519)  
Result Notes No such activity/condition was observed during the inspection.

58. Question Result, ID, References NA, DC.WELDINS.WELDNDR, 192.243

Question Text *Do records indicate that NDT and interpretation are in accordance with 192.243?*

Assets Covered 88991 (1519)  
Result Notes No such activity/condition was observed during the inspection.

59. Question Result, ID, References **NA, DC.WELDINSR.WELDREPAIR.R, 192.245 (192.303)**  
Question Text *Do records indicate that unacceptable welds are removed and/or repaired in accordance with 192.245?*  
Assets Covered **88991 (1519)**  
Result Notes **No such activity/condition was observed during the inspection.**

## **DC.WELDPROCEDURE: Construction Welding Procedures**

60. Question Result, ID, References **NA, DC.WELDPROCEDURE.WELD.R, 192.225**  
Question Text *Does the operator have detailed records showing proper qualification of the welding procedures in accordance with 192.225?*  
Assets Covered **88991 (1519)**  
Result Notes **No such activity/condition was observed during the inspection.**
61. Question Result, ID, References **NA, DC.WELDPROCEDURE.WELDERQUAL.R, 192.227 (192.225, 192.229)**  
Question Text *Do the records demonstrate that the welders are qualified in accordance with applicable sections of API Standard 1104 or ASME BPVC, Section IX, and cover the limitations in §192.229?*  
Assets Covered **88991 (1519)**  
Result Notes **No such activity/condition was observed during the inspection.**
62. Question Result, ID, References **NA, DC.WELDPROCEDURE.WELDERQUAL.O, 192.227 (192.225, 192.229)**  
Question Text *Do field observations confirm that the welders are qualified in accordance with applicable sections of API Standard 1104 or ASME BPVC, Section IX, and cover the limitations in §192.229?*  
Assets Covered **88991 (1519)**  
Result Notes **No such activity/condition was observed during the inspection.**

## **DC.DPCOPP: Design of Pipe - Overpressure Protection**

63. Question Result, ID, References **Sat, DC.DPCOPP.OVERPRESSURE.R, 192.195(a) (192.199(a), 192.199(b), 192.199(c), 192.199(d), 192.199(e), 192.199(f), 192.199(g), 192.199(h), 192.201(a), 192.201(b), 192.201(c))**  
Question Text *Do records indicate that the pipeline has pressure relieving or pressure limiting devices that are required by 192.195(a), and that they meet the requirements of 192.199 and 192.201?*  
Assets Covered **88991 (1519)**  
Result Notes **Reviewed Regulator/Relief Reports for Aug-2023, Oct -2024**
64. Question Result, ID, References **Sat, DC.DPCOPP.OVERPRESSURE.O, 192.195(a) (192.199(a), 192.199(b), 192.199(c), 192.199(d), 192.199(e), 192.199(f), 192.199(g), 192.199(h), 192.201(a), 192.201(b), 192.201(c))**  
Question Text *Are required pressure relieving or pressure limiting devices being installed, and do they meet the requirements of 192.199 and 192.201?*  
Assets Covered **88991 (1519)**  
Result Notes **Staff verified that pressure relieving facility was installed with fittings and connections that can be tested and maintained.**
65. Question Result, ID, References **NA, DC.DPCOPP.PRESSLIMIT.R, 192.199(a) (192.199(b), 192.199(c), 192.199(d), 192.199(e), 192.199(f), 192.199(g), 192.199(h))**  
Question Text *Do records indicate that pressure relieving or pressure limiting devices meet the requirements of 192.199?*  
Assets Covered **88991 (1519)**  
Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**
66. Question Result, ID, References **Sat, DC.DPCOPP.PRESSLIMIT.O, 192.199(a) (192.199(b), 192.199(c), 192.199(d), 192.199(e), 192.199(f), 192.199(g), 192.199(h))**  
Question Text *Do field observations confirm pressure relieving or pressure limiting devices meet the requirements of 192.199?*  
Assets Covered **88991 (1519)**  
Result Notes **Staff verified that pressure relieving facility was installed with fittings and connections that can be tested and maintained.**

67. Question Result, ID, References **NA, DC.DPCOPP.PRESSLIMITCAP.R, 192.201(a) (192.201(b), 192.201(c))**  
 Question Text *Do records indicate that pressure relief or pressure limiting stations being installed comply with 192.201?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**
68. Question Result, ID, References **Sat, DC.DPCOPP.PRESSLIMITCAP.O, 192.201(a) (192.201(b), 192.201(c))**  
 Question Text *Do field observations verify pressure relief or pressure limiting stations comply with the requirements of 192.201?*  
 Assets Covered **88991 (1519)**  
 Result Notes **Staff verified that pressure relieving facility was installed with fittings and connections that can be tested and maintained.**
69. Question Result, ID, References **NA, DC.DPCOPP.MULTISTAGE.R,**  
 Question Text *Do records indicate that the operator is installing multistage regulator equipment consistent with the requirements in WAC 480-93-130?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**

## DC.DPC: Design of Pipe Components

70. Question Result, ID, References **Sat, DC.DPC.ILIPASS.R, 192.150 (192.150(a), 192.150(c), 192.493)**  
 Question Text *Do records indicate that certain transmission pipeline components are designed and constructed to accommodate the passage of instrumented internal inspection devices?*  
 Assets Covered **88991 (1519)**  
 Result Notes **Viewed construction as-built from 2006.**
71. Question Result, ID, References **NA, DC.DPC.VALVESPACE.R, 192.179(a) (192.179(a)(1), 192.179(a)(2), 192.179(a)(3), 192.179(a)(4), 192.179(b), 192.179(c), 192.179(d))**  
 Question Text *Do records indicate that transmission line valve spacing is in accordance with 192.179(a)?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**
- Past inspections: Class 1 location, 3.25 mi pipeline length.**
72. Question Result, ID, References **NA, DC.DPC.VALVESPACE.O, 192.141 (192.179(a), 192.179(b), 192.179(c), 192.179(d))**  
 Question Text *Are transmission line valves being installed as required by §192.179?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**

## DC.CCPROT: Corrosion Control and Cathodic Protection

73. Question Result, ID, References **NA, DC.CCPROT.INTCORRODE.R, 192.476(d) (192.476(b), 192.476(c), 192.476(a))**  
 Question Text *Do records demonstrate the transmission line project has features incorporated into its design and construction to reduce the risk of internal corrosion, as required of 192.476?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**
74. Question Result, ID, References **NA, DC.CCPROT.INTCORRODE.O, 192.476(a) (192.476(b), 192.476(c))**  
 Question Text *Does the transmission project's design and construction comply with 192.476?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such activity/condition was observed during the inspection.**

75. Question Result, ID, References **NA, DC.CCPROT.COATLOWER.R, 192.143(b) (192.461(c))** (also presented in: DC.CO)  
 Question Text *Do records indicate that each pipe segment with external protective coating was inspected just prior to lowering into the ditch and backfilling, and any damage detrimental to effective corrosion control was repaired?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such activity/condition was observed during the inspection.**
76. Question Result, ID, References **NA, DC.CCPROT.COATINGASSESS.O, 192.461(c) (192.319(d))**  
 Question Text *For an onshore steel gas transmission pipeline project with a continuous backfill length greater than or equal to 1000 feet, do field observations confirm pipe protective coating is adequately surveyed promptly after backfilling?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such activity/condition was observed during the inspection.**
77. Question Result, ID, References **Sat, DC.CCPROT.COATBORING.R, 192.143(b) (192.461(e))**  
 Question Text *Do records indicate that precautions were taken to minimize damage to the coating during installation, if coated pipe is installed by boring, driving, or other similar method?*  
 Assets Covered **88991 (1519)**  
 Result Notes **Reviewed 2006 Construction Specifications - Located on page 1-11**
78. Question Result, ID, References **NA, DC.CCPROT.ELECTRICALISOL.R, 192.467(c) (192.143(b))**  
 Question Text *Do operator's records indicate that each pipeline was electrically isolated from metallic casings that are a part of the underground system?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**
79. Question Result, ID, References **NA, DC.CCPROT.ELECTRICALISOL.O, 192.467(c) (192.143(b))**  
 Question Text *Do field observations confirm that each pipeline was electrically isolated from metallic casings that are a part of the underground system?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**

## DC.MO: Maintenance and Operations

80. Question Result, ID, References **NA, DC.MO.ICEXAMINE.R, 192.491(c) (192.475(a), 192.475(b), 192.475(c))**  
 Question Text *Do records indicate examination of removed pipe for evidence of internal corrosion?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such activity/condition was observed during the inspection.**
81. Question Result, ID, References **NA, DC.MO.ICEXAMINE.O, 192.475(a) (192.475(b), 192.475(c))**  
 Question Text *Is examination of removed pipe conducted to determine any evidence of internal corrosion?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such activity/condition was observed during the inspection.**
82. Question Result, ID, References **NA, DC.MO.MAOPLIMIT.O, 192.605(b)(5)**  
 Question Text *During startup or shut-in, is it assured that the pressure limitations on the pipeline were not exceeded?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such activity/condition was observed during the inspection.**
83. Question Result, ID, References **NA, DC.MO.RECORDUPDATE.R,**  
 Question Text *Do records indicate that records, maps, and drawings of gas facilities are updated not later than six months from completion of construction activity and made available to appropriate personnel?*

Assets Covered 88991 (1519)

Result Notes No such activity/condition was observed during the inspection.

## DC.PT: Pressure Testing

84. Question Result, ID, Sat, DC.PT.PRESSTEST.R, 192.503(a) (192.503(b), 192.503(c), 192.503(d), 192.503(e)) (also presented References in: DC.PTLOWPRESS)

Question Text *Do records indicate that pressure testing is conducted in accordance with 192.503?*

Assets Covered 88991 (1519)

Result Notes Tested at 1820 psig for 8.5 hours.

85. Question Result, ID, NA, DC.PT.PRESSTEST.O, 192.503(a) (192.503(b), 192.503(c), 192.503(d), 192.503(e)) (also presented References in: DC.PTLOWPRESS)

Question Text *Is pressure testing conducted in accordance with 192.503?*

Assets Covered 88991 (1519)

Result Notes No such activity/condition was observed during the inspection.

86. Question Result, ID, NA, DC.PT.PRESSTESTHIGHSTRESS.R, 192.505(a) (192.143(a), 192.517(a), 192.505(b), 192.505(c), References 192.505(d), 192.143(b), 192.143(c))

Question Text *Do records indicate that the sections of a pipeline operating at a hoop stress equal to or greater than 30% of SMYS were strength tested in accordance with the requirements of 192.505?*

Assets Covered 88991 (1519)

Result Notes No such activity/condition was observed during the inspection.

Past inspections: Max. SMYS is 22.8 %

87. Question Result, ID, NA, DC.PT.PRESSTESTHIGHSTRESS.O, 192.505(a) (192.143(a), 192.505(b), 192.505(c), 192.505(d), References 192.143(b), 192.143(c))

Question Text *Do field observations confirm that sections of a pipeline operating at a hoop stress equal to or greater than 30% of SMYS are strength tested in accordance with the requirements of 192.505?*

Assets Covered 88991 (1519)

Result Notes No such activity/condition was observed during the inspection.

88. Question Result, ID, Sat, DC.PT.PRESSTESTENVIRON.P, 192.515(b) (192.629(a), 192.629(b)) (also presented in: DC.SPT, References DC.PTLOWPRESS)

Question Text *Does the process require that, as applicable to the project, while conducting tests under Subpart J – Test Requirements, the test medium will be disposed of in a manner that will minimize damage to the environment?*

Assets Covered 88991 (1519)

Result Notes Located in O&M Section 7.2 - Personnel/Environmental Protection.

89. Question Result, ID, NA, DC.PT.PRESSTESTENVIRON.R, 192.515(b) (192.629(a), 192.629(b), 192.603(b)) (also presented in: References DC.SPT, DC.PTLOWPRESS)

Question Text *Do records indicate while conducting tests under Subpart J – Test Requirements, the test medium disposal was conducted in a manner that minimized damage to the environment?*

Assets Covered 88991 (1519)

Result Notes No such activity/condition was observed during the inspection.

90. Question Result, ID, NA, DC.PT.PRESSTESTENVIRON.O, 192.515(b) (192.629(a), 192.629(b)) (also presented in: DC.SPT, References DC.PTLOWPRESS)

Question Text *Do field observations confirm while conducting tests under Subpart J – Test Requirements, the test medium was disposed of in an environmentally sound manner?*

Assets Covered 88991 (1519)

Result Notes No such activity/condition was observed during the inspection.

91. Question Result, ID, Sat, DC.PT.PRESSTESTSAFETY.P, 192.515(a) (192.629(a), 192.629(b)) (also presented in: DC.SPT, References DC.PTLOWPRESS)

Question Text *Does the process require that, as applicable to the project, while conducting tests under Subpart J – Test Requirements, every reasonable precaution is taken to protect its employees and the general public throughout the testing?*

Assets Covered 88991 (1519)

Result Notes Located in O&M Section 7.2 - Personnel/Environmental Protection.

92. Question Result, ID, **NA, DC.PT.PRESSTESTSAFETY.R, 192.515(a) (192.629(a), 192.629(b))** (also presented in: DC.SPT, References DC.PTLOWPRESS)  
Question Text *Do records indicate while conducting tests under Subpart J – Test Requirements, every reasonable precaution was taken to protect its employees and the general public throughout the testing?*  
Assets Covered **88991 (1519)**  
Result Notes **No such activity/condition was observed during the inspection.**
93. Question Result, ID, **NA, DC.PT.PRESSTESTSAFETY.O, 192.515(a) (192.629(a), 192.629(b))** (also presented in: DC.SPT, References DC.PTLOWPRESS)  
Question Text *Do field observations confirm while conducting tests under Subpart J – Test Requirements, every reasonable precaution is taken to protect its employees and the general public throughout the testing?*  
Assets Covered **88991 (1519)**  
Result Notes **No such activity/condition was observed during the inspection.**
94. Question Result, ID, **Sat, DC.PT.PRESSTESTRECORD.P, 192.517(a) (192.517(b))** (also presented in: DC.SPT, References DC.PTLOWPRESS)  
Question Text *Does the process require that, as applicable to the project, creation and retention of a record of each Subpart J test for the required duration?*  
Assets Covered **88991 (1519)**  
Result Notes **Located in Section 4.8 - Hydrostatic Test Records**
95. Question Result, ID, **Sat, DC.PT.PRESSTESTRECORD.R, 192.517(a) (192.517(b))** (also presented in: DC.SPT, References DC.PTLOWPRESS)  
Question Text *Do records indicate creation and retention of a record for each Subpart J test performed for the required duration?*  
Assets Covered **88991 (1519)**  
Result Notes **Reviewed original 2006 Hydrostatic Test Record**
96. Question Result, ID, References **Sat, DC.PT.EQUIPMENTCALIBRATION.R,**  
Question Text *Do records indicate that pressure testing equipment is maintained and calibrated at appropriate intervals in accordance with the manufacturer's recommendations?*  
Assets Covered **88991 (1519)**  
Result Notes **Reviewed original calibration records from 2006 Hydrostatic Test report.**

## **DC.SPT: Spike Hydrotest**

97. Question Result, ID, References **Sat, DC.SPT.SPIKEPRESSTEST.P, 192.605(b) (192.506)**  
Question Text *Do the operator's procedures provide adequate instruction for conducting a Spike hydrotest, if applicable, according to the regulations?*  
Assets Covered **88991 (1519)**  
Result Notes **Located in O&M Section 17.4 - Transmission Lines: Spike Hydrostatic Test**
98. Question Result, ID, References **NA, DC.SPT.SPIKEPRESSTEST.R, 192.709 (192.506, 192.517)**  
Question Text *Do records indicate that spike pressure testing is/was conducted in accordance with §192.506?*  
Assets Covered **88991 (1519)**  
Result Notes **No such activity/condition was observed during the inspection.**
99. Question Result, ID, References **NA, DC.SPT.SPIKEPRESSTEST.O, 192.506 (192.503)**  
Question Text *Do field observations verify pressure testing is conducted in accordance with §192.506?*  
Assets Covered **88991 (1519)**  
Result Notes **No such activity/condition was observed during the inspection.**

## **DC.PTLOWPRESS: Pressure Testing - Low Pressure**

100. Question Result, ID, **NA, DC.PTLOWPRESS.PRESSTESTLOWSTRESS.R, 192.507 (192.505, 192.515, 192.517, ANSI/GPTC Z380.1-2018 Appendix G-192-9)**  
 Question Text *Do records indicate that, as applicable to the project, sections of a pipeline operating at a hoop stress less than 30% of SMYS and at or above 100 psig were tested in accordance with the requirements of 192.507?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such activity/condition was observed during the inspection.**
101. Question Result, ID, **NA, DC.PTLOWPRESS.PRESSTESTLOWSTRESS.O, 192.507 (192.505, 192.515, ANSI/GPTC Z380.1-2018 Appendix G-192-9)**  
 Question Text *Do field observations confirm that sections of a pipeline operating at a hoop stress less than 30% of SMYS and at or above 100 psig are tested in accordance with the requirements of 192.507?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such activity/condition was observed during the inspection.**
102. Question Result, ID, **NA, DC.PTLOWPRESS.PRESSTEST100PSIG.R, 192.509 (192.143, 192.517)**  
 Question Text *Do records indicate that the sections of a pipeline operated below 100 psig were leak tested in accordance with the section requirements of 192.509 (except for service lines and plastic pipelines)?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such activity/condition was observed during the inspection.**
103. Question Result, ID, **NA, DC.PTLOWPRESS.PRESSTEST100PSIG.O, 192.509 (192.143)**  
 Question Text *Do field observations confirm that sections of a pipeline operated below 100 psig are leak tested in accordance with the requirements of 192.509 (except for service lines and plastic pipelines)?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such activity/condition was observed during the inspection.**

## DC.TQ: Training and Qualification

104. Question Result, ID, **Sat, DC.TQ.ABNORMAL.R, 192.807(a) (192.803)**  
 Question Text *Do records show evaluation of qualified individuals for recognition and reaction to AOCs?*  
 Assets Covered **88991 (1519)**  
 Result Notes **Everline personnel do all inspections on the pipeline.**
- Jonathan Lemon - Field Operations Supervisor - thru 4/22/27**
- Tim Blume - Field Tech - thru 4/3/28**
- Cardinal Personnel**
- Steven Godlewski - Engineering Manager - thru 9/19/27**
- Chris Town - Maintenance Superintendent - thru 9/25/27**
- Micah Young - Mechanical Engineer - thru 10/10/27**
105. Question Result, ID, **Sat, DC.TQ.OQCONTRACTOR.R, 192.807(a) (Operators OQ program manual)**  
 Question Text *Are qualification records maintained for contractor personnel?*  
 Assets Covered **88991 (1519)**  
 Result Notes **Reviewed qualification training for Tim Blume and Jonathan Lemon both are valid until 2026 & 2027**
106. Question Result, ID, **Sat, DC.TQ.RECORDS.R, 192.807(a) (Operators OQ program manual)**  
 Question Text *Are qualification records maintained for operator personnel?*  
 Assets Covered **88991 (1519)**

Result Notes Cardinal Personnel

Steven Godlewski - Engineering Manager - thru 9/19/27

Chris Town - Maintenance Superintendent - thru 9/25/27

Micah Young - Mechanical Engineer - thru 10/10/27

107. Question Result, ID, References Sat, DC.TQ.EXCAVATE.R, 192.807(a) (ADB-2006-01)

Question Text *Do records demonstrate individuals who oversee marking, trenching and backfilling operations are qualified?*

Assets Covered 88991 (1519)

Result Notes Cardinal Personnel

Steven Godlewski - Engineering Manager - thru 9/19/27

Chris Town - Maintenance Superintendent - thru 9/25/27

Micah Young - Mechanical Engineer - thru 10/10/27

Everline personnel do all inspections on the pipeline.

Jonathan Lemon - Field Operations Supervisor - thru 4/22/27

Tim Blume - Field Tech - thru 4/3/28

108. Question Result, ID, References NA, DC.TQ.HOTTAP.R, 192.807(a) (192.627)

Question Text *Do records document the qualification of personnel performing hot taps?*

Assets Covered 88991 (1519)

Result Notes No such activity/condition was observed during the inspection.

There have been no repairs on this pipeline to date.

## EP.ERG: Emergency Response

109. Question Result, ID, References Sat, EP.ERG.REVIEW.R, 192.605(a) (192.9(d), 192.9(e))

Question Text *Have annual reviews been conducted of the emergency plans and procedures as required, and any updates completed as appropriate?*

Assets Covered 88991 (1519)

Result Notes Located in Section 19 - Emergency Response Plan

Reviewed the revision log. Last review was 7/15/25

110. Question Result, ID, References Sat, EP.ERG.LOCATION.O, 192.615(b)(1) (192.9(d), 192.9(e))

Question Text *Are supervisors provided the applicable portions of the emergency plan and procedures?*

Assets Covered 88991 (1519)

Result Notes Reviewed email with latest revision sent on 8/1/2025

111. Question Result, ID, References NA, EP.ERG.NOTICES.R, 192.615(a)(1) (192.9(d), 192.9(e))

Question Text *Do records indicate receiving, identifying, classifying and communication of notices of events requiring immediate response in accordance with procedures?*

Assets Covered 88991 (1519)

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

112. Question Result, ID, References **NA, EP.ERG.NOTIFY911.R, 192.615(a) (192.615(a)(8), 192.9(d), 192.9(e), NTSB P-11-9)**  
 Question Text *Do records indicate that immediate and direct notification was made to 911 emergency call centers (or local emergency responder agency) for the communities and jurisdictions in which pipelines were located for situations when an emergency or possible rupture of a pipeline was indicated?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such activity/condition was observed during the inspection.**
113. Question Result, ID, References **NA, EP.ERG.POSTEVNTREVIEW.R, 192.605(a) (192.615(b)(1), 192.615(b)(3), 192.9(d), 192.9(e))**  
 Question Text *Do records indicate review of employee activities to determine whether the procedures were effectively followed in each emergency?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such activity/condition was observed during the inspection.**
114. Question Result, ID, References **Sat, EP.ERG.LIAISON.R, 192.603(b) (192.615(c)(1), 192.615(c)(2), 192.615(c)(3), 192.615(c)(4), 192.616(c), 192.9(d), 192.9(e), ADB-2005-03) (also presented in: PD.PA)**  
 Question Text *Do records indicate that liaison has been established and maintained with appropriate fire, police, other public officials, and 911 emergency call centers?*  
 Assets Covered **88991 (1519)**  
 Result Notes **Reviewed handout/packet, and contact log list, Emergency Response Drill roster, and MS Teams invite accepted list for online participants**
115. Question Result, ID, References **NA, EP.ERG.VALVESHUTOFF.R, 192.605(b) (192.636(b))**  
 Question Text *Do the records demonstrate RMVs or AETs were shut-off in accordance with §192.636(b) following identification of a release?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such activity/condition was observed during the inspection.**
116. Question Result, ID, References **NA, EP.ERG.NOTIFPOTRUPTURE.R, 192.635**  
 Question Text *Do the records indicate the operator properly identified and notified operator's personnel of a potential rupture?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such activity/condition was observed during the inspection.**

## EP.FII: Failure & Incident Investigation

117. Question Result, ID, References **NA, EP.FII.INCIDENTANALYSIS.R, 192.617(d)**  
 Question Text *Do records indicate pipeline incidents were analyzed to determine their causes?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such activity/condition was observed during the inspection.**
118. Question Result, ID, References **NA, EP.FII.FAILUREANALYSIS.R, 192.617(d)**  
 Question Text *Do records indicate pipeline failures were analyzed to determine their causes?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such activity/condition was observed during the inspection.**

## IM.CA: Continual Evaluation and Assessment

119. Question Result, ID, References **NA, IM.CA.REASSESSINTERVAL.R, 192.947(d) (192.937(a), 192.939(a), 192.939(b), 192.913(c))**  
 Question Text *Do records demonstrate that reassessment intervals were established consistent with the requirements of the operator's processes?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such activity/condition was observed during the inspection.**

## IM.PM: Preventive and Mitigative Measures

120. Question Result, ID, References **NA, IM.PM.PMMGENERAL.R, 192.947 (192.935(a), 192.935(f))**  
Question Text *Do records demonstrate that additional measures have been identified and implemented (or scheduled) beyond those already required by Part 192 to prevent a pipeline failure and to mitigate the consequences of a pipeline failure in an HCA?*  
Assets Covered **88991 (1519)**  
Result Notes **No such activity/condition was observed during the inspection.**

## IM.QA: Quality Assurance

121. Question Result, ID, References **NA, IM.QA.IMMOC.P, 192.911(k) (192.13(d), 192.909(a), 192.909(b))** (also presented in: MO.GO)  
Question Text *Is the process for management of changes that may impact pipeline integrity adequate?*  
Assets Covered **88991 (1519)**  
Result Notes **No such activity/condition was observed during the inspection.**

## MO.GC: Conversion to Service

122. Question Result, ID, References **Sat, MO.GC.CONVERSION.P, 192.14(a) (192.14(b), 192.14(c))**  
Question Text *If any pipelines were converted into Part 192 service, was a process developed addressing all the applicable requirements?*  
Assets Covered **88991 (1519)**  
Result Notes **Located in Section 3.5 - Conversion to Service**

**Cardinal has not converted any pipelines that meet this criteria.**

123. Question Result, ID, References **NA, MO.GC.CONVERSION.R, 192.14(a) (192.14(b), 192.14(c))**  
Question Text *Do records indicate the process was followed for converting any pipelines into Part 192 service?*  
Assets Covered **88991 (1519)**  
Result Notes **No such activity/condition was observed during the inspection.**

## MO.GOABNORMAL: Gas Pipeline Abnormal Operations

124. Question Result, ID, References **Sat, MO.GOABNORMAL.ABNORMAL.P, 192.605(a) (192.605(c)(1))**  
Question Text *Does the process fully address the responsibilities during and after an abnormal operation?*  
Assets Covered **88991 (1519)**  
Result Notes **Staff verified the manual includes procedures for handling abnormal operations.**
125. Question Result, ID, References **NA, MO.GOABNORMAL.ABNORMAL.R, 192.605(a) (192.605(c)(1))**  
Question Text *Did personnel respond to indications of abnormal operations as required by the process?*  
Assets Covered **88991 (1519)**  
Result Notes **No such activity/condition was observed during the inspection.**
126. Question Result, ID, References **Sat, MO.GOABNORMAL.ABNORMALCHECK.P, 192.605(a) (192.605(c)(2))**  
Question Text *Does the process include requirements for checking variations from normal operation after abnormal operation has ended at sufficient critical locations in the system to determine continued integrity and safe operation?*  
Assets Covered **88991 (1519)**  
Result Notes **Located in Section 13.10 - Rules and Responsibilities**

127. Question Result, ID, References **Sat, MO.GOABNORMAL.ABNORMALNOTIFY.P, 192.605(a) (192.605(c)(3))**  
 Question Text *Does the process include requirements for notifying responsible operator personnel when notice of an abnormal operation is received?*  
 Assets Covered **88991 (1519)**  
 Result Notes **Located in Section 13.1 - Rules and Responsibilities.**
128. Question Result, ID, References **Sat, MO.GOABNORMAL.ABNORMALREVIEW.P, 192.605(a) (192.605(c)(4))**  
 Question Text *Does the process include requirements for periodically reviewing the response of operator personnel to determine the effectiveness of the processes controlling abnormal operation and taking corrective action where deficiencies are found?*  
 Assets Covered **88991 (1519)**  
 Result Notes **Located in Section 13.9 - Reviewing Abnormal Operation Response.**
129. Question Result, ID, References **Sat, MO.GOABNORMAL.ABNORMALREVIEW.R, 192.605(a) (192.605(c)(4))**  
 Question Text *Do records indicate periodic review of work done by operator personnel to determine the effectiveness of the abnormal operation processes and corrective action taken where deficiencies are found?*  
 Assets Covered **88991 (1519)**  
 Result Notes **Reviewed when looking at OQ qualifications for Cardinal and Everline personnel, identification of AOC are built into each covered task.**

## MO.GOCLASS: Gas Pipeline Class Location

130. 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, or indicates that the hoop stress corresponding to the established maximum allowable operating pressure for a segment of existing pipeline is not commensurate with the present class location?*  
 Assets Covered **88991 (1519)**  
 Result Notes **Located in Section 8.1 - Change in Class Location: required Study.**
131. Question Result, ID, References **Sat, MO.GOCLASS.CLASSLOCATESTUDY.R, 192.605(b)(1) (192.609(a), 192.609(b), 192.609(c), 192.609(d), 192.609(e), 192.609(f))**  
 Question Text *Do records indicate performance of the required study whenever the population along a pipeline increased or there was an indication that the pipe hoop stress was not commensurate with the present class location?*  
 Assets Covered **88991 (1519)**  
 Result Notes **Cardinal does a class location study each year regardless of population change.**  
  
**Reviewed Class Location Study for 2023, 2024. and field survey for 2025.**  
  
**Note: There was a change in centerline that added .19 mi after correction and sent addendum to UTC annual report 7/31/25 and resubmission to NPMS.**
132. Question Result, ID, References **Sat, MO.GOCLASS.CLASSLOCATEREV.P, 192.605(b)(1) (192.609, 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 **Located in Section 8.2 - Change in Class Location: Confirmation / Revision of MAOP.**
133. Question Result, ID, References **Sat, MO.GOCLASS.CLASSLOCATEREV.R, 192.605(b)(1) (192.609, 192.611(a), 192.611(b), 192.611(c), 192.611(d))**  
 Question Text *Was the MAOP in a pipeline segment confirmed or revised within 24 months as required?*  
 Assets Covered **88991 (1519)**  
 Result Notes **Confirmed based off of review of a report created by Cardinal which shows calculation that verifies MAOP, since they could not find the historic record. Will use this moving forward.**

134. Question Result, ID, References **Sat, MO.GOCLASS.CLASSLOCATEREV.O, 192.611(a) (192.609)**  
Question Text *Do field observations verify that current population density and operator-determined class locations are consistent?*  
Assets Covered **88991 (1519)**  
Result Notes **Staff reviewed selected areas to confirm class location process has been properly applied.**

## MO.GOMAOP: Gas Pipeline MAOP

135. Question Result, ID, References **Sat, MO.GOMAOP.MAOPDETERMINE.P, 192.605(b)(1) (192.619(a), 192.619(b), 192.619(c), 192.619(f), 192.8(b), 192.8(c)(4), 192.9(d), 192.9(e)(2), 192.9(f)(1))**  
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 **Located in O&M Section 9.2 - Establishing MAOP**
136. Question Result, ID, References **Sat, MO.GOMAOP.MAOPLIMIT.P, 192.605(a) (192.605(b)(5), 192.8(b), 192.8(c)(4), 192.9(d), 192.9(e)(2), 192.9(f)(1))**  
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 **Located in O&M Section 3.2 Start-UP New Pipeline Procedures**
137. Question Result, ID, References **Sat, MO.GOMAOP.MAOPDETERMINE.R, 192.709(c) (192.619(a), 192.619(b), 192.619(c), 192.619(f), 192.517, 192.8(b), 192.8(c)(4), 192.9(d), 192.9(e)(2), 192.9(f)(1))**  
Question Text *Do records indicate determination of the MAOP of pipeline segments in accordance with 192.619 and limiting of the operating pressure as required?*  
Assets Covered **88991 (1519)**  
Result Notes **Confirmed based off of review of a report created by Cardinal which shows calculation that verifies MAOP, since they could not find the historic record. Will use this moving forward.**
138. Question Result, ID, References **NA, MO.GOMAOP.MAOPLIMIT.R, 192.603(b) (192.605(b)(5), 192.619(a), 192.8(b), 192.8(c)(4), 192.9(d), 192.9(e)(2), 192.9(f)(1))**  
Question Text *Do records indicate operation within MAOP limits, plus the build-up allowed for operation of pressure-limiting and control devices, was assured while starting up and shutting down any part of the pipeline?*  
Assets Covered **88991 (1519)**  
Result Notes **No such activity/condition was observed during the inspection.**

## MO.GM: Gas Pipeline Maintenance

139. Question Result, ID, References **Sat, MO.GM.RECORDS.P, 192.605(b)(1) (192.709(a), 192.709(b), 192.709(c))** (also presented in: **MO.GMOPP**)  
Question Text *Does the process include a requirement that the operator maintain a record of each pipe/"other than pipe" repair, NDT required record, and (as required by subparts L or M) patrol, survey, inspection or test?*  
Assets Covered **88991 (1519)**  
Result Notes **Located in )&M Section 4.2 - Record Retention**
140. Question Result, ID, References **Sat, MO.GM.RECORDS.R, 192.605(b)(1) (192.243(f), 192.709(a), 192.709(b), 192.709(c))** (also presented in: **MO.GMOPP**)  
Question Text *Do records indicate that records are maintained of each pipe/"other than pipe" repair, NDT required record, and (as required by subparts L or M) patrol, survey, inspection or test?*  
Assets Covered **88991 (1519)**  
Result Notes **Cardinal keeps records in Ignite & PipeSafe - Staff reviewed selected records from 2006 to present**
141. 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 Located in O&M Section 12.1 - Accidental Ignition Prevention

142. Question Result, ID, References NA, MO.GM.IGNITION.R, 192.709 (192.751(a), 192.751(b), 192.751(c))  
Question Text *Do records indicate personnel followed processes for minimizing the danger of accidental ignition where the presence of gas constituted a hazard of fire or explosion?*  
Assets Covered 88991 (1519)  
Result Notes No such activity/condition was observed during the inspection.
143. Question Result, ID, References Sat, MO.GM.IGNITION.O, 192.751(a) (192.751(b), 192.751(c))  
Question Text *Are the operator's precautionary measures adequate on a gas transmission line where there exists the potential for accidental ignition?*  
Assets Covered 88991 (1519)  
Result Notes Staff reviewed pipeline facilities: including warning signs, lockout tags, removal of ignition sources and firefighting equipment availability.
144. Question Result, ID, References Sat, MO.GM.VALVEINSPECT.P, 192.605(b)(1) (192.745(a), 192.745(b))  
Question Text *Are there processes for inspecting and partially operating each transmission line 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 Located in O&M Section 11.1 - Valve Inspections
145. Question Result, ID, References Sat, MO.GM.VALVEINSPECT.R, 192.709(c) (192.745(a), 192.745(b))  
Question Text *Do records indicate proper inspection and partial operation of transmission line valves that may be required during an emergency as required and prompt remedial actions taken if necessary?*  
Assets Covered 88991 (1519)  
Result Notes Reviewed Valve Inspection records Aug-2023, Aug-2024, Jurisdiction ends at Valve #12
146. Question Result, ID, References NA, MO.GM.VALVEINSPECT.O, 192.745(a) (192.745(b))  
Question Text *Are field inspection and partial operation of transmission line valves adequate?*  
Assets Covered 88991 (1519)  
Result Notes No such activity/condition was observed during the inspection.
147. Question Result, ID, References Sat, MO.GM.TRAPSAFETY.P, 192.750 (192.605(b), 192.801, 192.805) (also presented in: DC.DPCOPP)  
Question Text *Do the procedures require all launchers and receivers to have adequate safety devices in accordance with 192.750 and to ensure the safety devices are working properly just prior to each use?*  
Assets Covered 88991 (1519)  
Result Notes Located in O&M Section 9.16 - Launcher & Receiver Safety
148. Question Result, ID, References NA, MO.GM.TRAPSAFETY.R, 192.750 (192.605(b), 192.801, 192.805) (also presented in: DC.DPCOPP)  
Question Text *Does the operator have records to demonstrate whether all launchers and receivers have safety devices that were utilized prior to each use?*  
Assets Covered 88991 (1519)  
Result Notes No such activity/condition was observed during the inspection.  
  
Cardinal launcher has not been used.
149. Question Result, ID, References Sat, MO.GM.TRAPSAFETY.O, 192.750 (192.605(b), 192.801, 192.805) (also presented in: DC.DPCOPP)  
Question Text *Do field observations confirm selected launchers and receivers have safety devices installed and whether the safety devices were inspected prior to each use?*  
Assets Covered 88991 (1519)  
Result Notes Staff verified there are vents, safety devices, and pressure relieving facilities as part of both launcher/receiver locations.

150. Question Result, ID, References **Sat, MO.GM.AETREQUIREMENT.P, 192.605(b) (192.745(d))**  
 Question Text *Do the procedures specify the requirements necessary to be achieved when operator installs an AET?*  
 Assets Covered **88991 (1519)**  
 Result Notes **Located in O&M Section 11.1 - Valve Inspections - Transmission Lines**
151. Question Result, ID, References **NA, MO.GM.AETREQUIREMENT.R, 192.709(c) (192.709(b), 192.745(d))**  
 Question Text *Do the records demonstrate that the operator complied with the requirements for AET response drills?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such activity/condition was observed during the inspection.**
152. Question Result, ID, References **Sat, MO.GM.RMVREMEDIAL.P, 192.605(b) (192.179, 192.745(e))**  
 Question Text *Do the procedures adequately describe the remedial measures required for RMVs or AETs found inoperable or unable to maintain shut-off?*  
 Assets Covered **88991 (1519)**  
 Result Notes **Located in O&M Section 11.1 - Valve Inspections - Transmission Lines**
153. Question Result, ID, References **NA, MO.GM.RMVREMEDIAL.R, 192.709(b) (192.179, 192.745(e))**  
 Question Text *Do the records demonstrate the remedial measure requirements for RMVs or AETs were met?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such activity/condition was observed during the inspection.**
154. Question Result, ID, References **Sat, MO.GM.ASVSHUTINPRESS.P, 192.605(b) (192.636(f), 192.745(f))**  
 Question Text *Do the procedures adequately describe the process for confirming ASV shut-in pressures?*  
 Assets Covered **88991 (1519)**  
 Result Notes **Located in O&M Section 11.1 - Valve Inspections - Transmission Lines**
155. Question Result, ID, References **NA, MO.GM.ASVSHUTINPRESS.R, 192.709(b) (192.636(f), 192.745(f))**  
 Question Text *Do the records demonstrate the process for confirming ASV shut-in pressures?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such activity/condition was observed during the inspection.**

## MO.GOODOR: Gas Pipeline Odorization

156. Question Result, ID, References **Sat, MO.GOODOR.ODORIZE.P, 192.605(b)(1) (192.625(a), 192.625(b), 192.625(c), 192.625(d), 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 **Located in O&M Section 7.10 - Odorization of Gas**
157. Question Result, ID, References **Sat, MO.GOODOR.ODORIZE.R, 192.709(c) (192.625(a), 192.625(b), 192.625(c), 192.625(d), 192.625(e), 192.625(f))**  
 Question Text *Do records indicate appropriate odorization of its combustible gases in accordance with its processes and conduct of the required testing to verify odorant levels met requirements?*  
 Assets Covered **88991 (1519)**  
 Result Notes **Cardinal does monthly odorization checks (Form 19)**  
  
**Staff reviewed all forms for Inst.#2000650003 2023, Inst. #2000650003 2024**
158. Question Result, ID, References **Sat, MO.GOODOR.ODORIZE.O, 192.625(f)**  
 Question Text *Is sampling of combustible gases adequate using an instrument capable of determining the percentage of gas in air at which it becomes readily detectable?*  
 Assets Covered **88991 (1519)**

Result Notes Staff observed the operator's personnel conduct a sampling of its combustible gases.

## MO.GO: Gas Pipeline Operations

159. Question Result, ID, **Sat, MO.GO.CONTSURVEILLANCE.P, 192.605(e) (192.613(a), 192.613(b), 192.703(b), 192.703(c))** (also References presented in: MO.GOCLASS, PD.RW)  
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 **Located in O&M Section 8.3 - Continuing Surveillance**
160. Question Result, ID, **Sat, MO.GO.CONTSURVEILLANCE.R, 192.709(c) (192.613(a), 192.613(b), 192.703(b), 192.703(c))** (also References presented in: MO.GOCLASS, PD.RW)  
Question Text *Do records indicate performance of continuing surveillance of facilities as required, and also the reconditioning, phasing out, or MAOP reduction in any pipeline segment that was determined to be in unsatisfactory condition but on which no immediate hazard existed?*  
Assets Covered **88991 (1519)**  
Result Notes **Reviewed bi-annual all around compliance performance reviews for Jun-2023, Oct-2023, Apr-2024, Nov-2024 , May-2025,**
161. Question Result, ID, **NA, MO.GO.CONTSURVEILLANCE.O, 192.613(a) (192.613(b), 192.703(a), 192.703(b), 192.703(c))** (also References presented in: MO.GOCLASS, PD.RW)  
Question Text *Are unsatisfactory conditions being captured and addressed by continuing surveillance of facilities and the pipeline as required by 192.613?*  
Assets Covered **88991 (1519)**  
Result Notes **No such activity/condition was observed during the inspection.**
162. Question Result, ID, **Sat, MO.GO.CONTSURVINSPECTION.P, 192.605 (192.613(c)(1))**  
References  
Question Text *Do operator's procedures detail performing initial inspections of pipeline facilities after an extreme weather event or natural disaster?*  
Assets Covered **88991 (1519)**  
Result Notes **Located in O&M Section 8.3 - Continuing Surveillance**
163. Question Result, ID, **NA, MO.GO.CONTSURVINSPECTION.R, 192.603(b) (192.613(c)(1))**  
References  
Question Text *Do the records show that operator assessed the nature of an event after an extreme weather event or natural disaster, including initial inspections?*  
Assets Covered **88991 (1519)**  
Result Notes **No such activity/condition was observed during the inspection.**
164. Question Result, ID, **Sat, MO.GO.CONTSURVTIMING.P, 192.605 (192.613(c)(2))**  
References  
Question Text *Are operator's procedures for performing inspections of pipeline facilities after an extreme weather event or natural disaster, including appropriate response times and PHMSA notification complete?*  
Assets Covered **88991 (1519)**  
Result Notes **Located in O&M Section 8 - Class Location**
165. Question Result, ID, **NA, MO.GO.CONTSURVTIMING.R, 192.605 (192.613(c)(2))**  
References  
Question Text *Do records show that operator performed an inspection of pipeline facilities after an extreme weather event or natural disaster, or notification of delayed response to appropriate PHMSA Regional Director within 72 hours ?*  
Assets Covered **88991 (1519)**  
Result Notes **No such activity/condition was observed during the inspection.**
166. Question Result, ID, **Sat, MO.GO.CONTSURVASSESS.P, 192.605 (192.613(c)(3))**  
References  
Question Text *Do the operator's procedures detail performing prompt and appropriate remedial actions of pipeline facilities after an extreme weather event or natural disaster?*  
Assets Covered **88991 (1519)**

Result Notes Located in O&M Section 8 - Class Location

167. Question Result, ID, References NA, MO.GO.CONTSURVASSESS.R, 192.603(b) (192.613(c)(3))  
Question Text *Do records show that operator performed prompt and appropriate remedial response after an extreme weather event or natural disaster?*  
Assets Covered 88991 (1519)  
Result Notes No such activity/condition was observed during the inspection.
168. Question Result, ID, References NA, MO.GO.CONTSURV.O, 192.613(c)  
Question Text *Are the pipeline facilities that were affected by an extreme weather or natural disaster event back to a safe operating condition?*  
Assets Covered 88991 (1519)  
Result Notes No such activity/condition was observed during the inspection.
169. Question Result, ID, References Sat, MO.GO.PURGE.P, 192.605(b)(1) (192.629(a), 192.629(b))  
Question Text *Does the process include requirements for purging of pipelines in accordance with 192.629?*  
Assets Covered 88991 (1519)  
Result Notes Located in O&M Section 15.7 - Purging Pipelines
170. 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 Located in O&M Section 2.1 - Manual Review
171. Question Result, ID, References Sat, MO.GO.OMANNUALREVIEW.R, 192.605(a)  
Question Text *Has the operator conducted annual reviews of the written procedures or processes in the manual as required?*  
Assets Covered 88991 (1519)  
Result Notes Reviewed record of revisions from 2023 thru 2025.
172. 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 Located in O&M Section 1.6 - Operating Personnel Review
173. Question Result, ID, References Sat, MO.GO.OMEFFECTREVIEW.R, 192.605(a) (192.605(b)(8))  
Question Text *Do records indicate periodic review of 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 Reviewed 2023 - 2024 OQ's, and Emergency Response Drills.
174. 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 Located in O&M Section 4.2 - Record Retention
175. Question Result, ID, References Sat, MO.GO.OMHISTORY.R, 192.605(a) (192.605(b)(3))  
Question Text *Are construction records, maps, and operating history available to appropriate operating personnel?*

Assets Covered 88991 (1519)  
Result Notes Reviewed Centerline profiles and maps in SP3 (SafePipe 3)

176. Question Result, ID, References Sat, MO.GO.OMHISTORY.O, 192.605(b)(3)  
Question Text *Are construction records, maps and operating history available to appropriate operating personnel?*  
Assets Covered 88991 (1519)  
Result Notes Reviewed Centerline profiles and maps in SP3 (SafePipe 3)
177. Question Result, ID, References Sat, MO.GO.OMLOCATION.O, 192.605(a)  
Question Text *Are appropriate parts of the manual kept at locations where operations and maintenance activities are conducted?*  
Assets Covered 88991 (1519)  
Result Notes Reviewed Centerline profiles and maps in SP3 (SafePipe 3)
178. 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 Located in O&M Section 19.7 - Unintended Release of Natural Gas
179. Question Result, ID, References Sat, MO.GO.UPRATE.P, 192.13(c) (192.553(a), 192.553(b), 192.553(c), 192.553(d))  
Question Text *Is the pressure uprating process consistent with the requirements of 192.553?*  
Assets Covered 88991 (1519)  
Result Notes Located in O&M Pressure Control Section 9.13, 9.14 & 9.15 Executing The Uprating Plan
180. Question Result, ID, References NA, MO.GO.UPRATE.R, 192.553(b) (192.553(a), 192.553(c), 192.553(d))  
Question Text *Do records indicate the pressure uprating process was implemented per the requirements of 192.553?*  
Assets Covered 88991 (1519)  
Result Notes No such activity/condition was observed during the inspection.
181. Question Result, ID, References Sat, MO.GO.CLASSCHNGVALVSPACE.P, 192.605(b) (192.610)  
Question Text *Does the process include the installation of RMVs or AETs whenever pipe replacements occur due to a class location change?*  
Assets Covered 88991 (1519)  
Result Notes Located in O&M Section 8.4 - Change in Class Location Change in Valve Spacing
182. Question Result, ID, References NA, MO.GO.CLASSCHNGVALVSPACE.R, 192.709(c) (192.610)  
Question Text *Do records indicate the installation of RMVs or AETs occurred whenever pipe replacements occurred due to a class location change?*  
Assets Covered 88991 (1519)  
Result Notes No such activity/condition was observed during the inspection.
183. Question Result, ID, References NA, MO.GO.CLASSCHNGVALVSPACE.O, 192.709(c) (192.610)  
Question Text *Do field observations verify RMVs or AETs were installed whenever pipe replacements occurred due to a class location change?*  
Assets Covered 88991 (1519)  
Result Notes No such activity/condition was observed during the inspection.
184. Question Result, ID, References Sat, MO.GO.MOC.P, 192.13(d) (192.909(a), 192.909(b))  
Question Text *Is the procedure for management of changes that may impact pipeline safety adequate?*  
Assets Covered 88991 (1519)  
Result Notes Located in O&M Section 4.18 - Management of Change Process

185. Question Result, ID, References **Sat, MO.GO.MOC.R, 192.13**  
Question Text *Do records demonstrate that changes that may impact pipeline integrity are being managed as required?*  
Assets Covered **88991 (1519)**  
Result Notes **Covered Task Change - On Form 25 dated 9/24/2024 - Trained Micah Young 9/24/2024**

## **MO.GMOPP: Gas Pipeline Overpressure Protection**

186. 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 **Located in O&M Pressure Control Section 9.11 Pressure Safety Device Capacity Reviews**

187. Question Result, ID, References **NA, MO.GMOPP.PRESSREGCAP.R, 192.709(c) (192.743(a), 192.743(b), 192.743(c))**  
Question Text *Do records indicate testing or review of the capacity of each pressure relief device at each pressure limiting station and pressure regulating station as required?*  
Assets Covered **88991 (1519)**  
Result Notes **No such activity/condition was observed during the inspection.**

**Relief valve is located on non-jurisdictional pipeline**

188. Question Result, ID, References **Sat, 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 Notes **Located in O&M Pressure Control Section 9.10 - Pressure Limiting Device Inspection**

189. Question Result, ID, References **Sat, MO.GMOPP.PRESSREGTEST.R, 192.709(c) (192.739(a), 192.739(b))**  
Question Text *Do records indicate inspection and testing of pressure limiting, relief devices, and pressure regulating stations?*  
Assets Covered **88991 (1519)**  
Result Notes **Reviewed OPP records Aug-2023, & Oct-2024**

190. Question Result, ID, References **Sat, MO.GMOPP.PRESSREGTEST.O, 192.739(a) (192.739(b), 192.743)**  
Question Text *Are field or bench tests or inspections of regulating stations, pressure limiting stations or relief devices adequate?*  
Assets Covered **88991 (1519)**  
Result Notes **Staff verified that pressure relieving facility was installed with fittings and connections that can be tested and maintained.**

## **MO.RW: ROW Markers, Patrols, Leakage Survey and Monitoring**

191. Question Result, ID, References **Sat, MO.RW.PATROL.P, 192.705(a) (192.705(b), 192.705(c))**  
Question Text *Does the process adequately cover the requirements for patrolling the ROW and conditions reported?*  
Assets Covered **88991 (1519)**  
Result Notes **Located in O&M Leak Detection Section 7.1 - Pipeline Patrol: Transmission Lines**

192. Question Result, ID, References **Sat, MO.RW.PATROL.R, 192.709(c) (192.705(a), 192.705(b), 192.705(c))**  
Question Text *Do records indicate that ROW surface conditions have been patrolled as required?*  
Assets Covered **88991 (1519)**  
Result Notes **Reviewed ROW patrol records for 2023 Mar, Sep - 2024 Mar, Sep - Mar, Jul 2025**

Cardinal operates the line as if it were in a Class 3 location - So surveys 4x yearly

193. Question Result, ID, References Sat, MO.RW.ROWMARKER.O, 192.707(a) (192.707(b), 192.707(c), 192.707(d), 192.9(d), 192.9(e))  
Question Text *Are line markers placed and maintained as required?*  
Assets Covered 88991 (1519)  
Result Notes Staff was able to verify line markers were placed and maintained as close as practical over pipeline facilities.
194. Question Result, ID, References Sat, MO.RW.ROWCONDITION.O, 192.705(a) (192.705(c))  
Question Text *Are the ROW conditions acceptable for the type of patrolling used?*  
Assets Covered 88991 (1519)  
Result Notes Staff was able to verify that ROW areas were clear of excessive debris.
195. Question Result, ID, References Sat, MO.RW.ROWMARKER.P, 192.707(a) (192.707(b), 192.707(c), 192.707(d))  
Question Text *Does the process adequately cover the requirements for placement of ROW markers?*  
Assets Covered 88991 (1519)  
Result Notes Located in O&M Damage Prevention Section 18.2 - Pipeline Markers
196. Question Result, ID, References Sat, MO.RW.MARKERSURVEY.P,  
Question Text *Are procedures in place to survey pipeline markers at specified intervals?*  
Assets Covered 88991 (1519)  
Result Notes Located in O&M Damage Prevention Section 18.2 - Pipeline Markers
197. Question Result, ID, References Sat, MO.RW.MARKERSURVEY.R,  
Question Text *Do records indicate that pipeline marker surveys were completed in the timeframe specified by WAC 480-93-124?*  
Assets Covered 88991 (1519)  
Result Notes Reviewed patrols that contain marker survey data - Sep-2023, Mar-2024, Sep-2024, Mar-2025
198. Question Result, ID, References Sat, MO.RW.LEAKAGE.P, 192.706 (192.706(a), 192.706(b), 192.935(d))  
Question Text *Does the process require leakage surveys to be conducted?*  
Assets Covered 88991 (1519)  
Result Notes Located in O&M Leak Detection Section 7.4 - Leakage Surveys
199. Question Result, ID, References Sat, MO.RW.LEAKAGE.R, 192.709(c) (192.706, 192.706(a), 192.706(b), 192.935(d), 192.703(c))  
Question Text *Do records indicate leakage surveys conducted as required?*  
Assets Covered 88991 (1519)  
Result Notes Reviewed survey records for:  
  
Sep-2023  
  
Equipment #8212208009 calibrated 9/7/23  
  
Sep-2024  
  
Equipment #8212208009 calibrated 9/5/24
200. Question Result, ID, References NA, MO.RW.LEAKAGE.O, 192.706 (192.706(a), 192.706(b), 192.703(c))  
Question Text *Are leakage surveys being implemented as required?*  
Assets Covered 88991 (1519)  
Result Notes No such activity/condition was observed during the inspection.

201. 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.**
202. Question Result, ID, References **NA, MO.RW.CASINGLEAKSURVEY.R,**  
 Question Text *Do records indicate shorted casings were leak surveyed as required?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**
203. Question Result, ID, References **Sat, MO.RW.SPECIALLEAKSURVEY.P,**  
 Question Text *Is there a process to conduct special leak surveys as required by WAC 480-93-188?*  
 Assets Covered **88991 (1519)**  
 Result Notes **Located in O&M Leak Detection Section 7.6 - Leak Survey**
204. Question Result, ID, References **NA, MO.RW.SPECIALLEAKSURVEY.R,**  
 Question Text *Do records indicate that special leak surveys have been conducted as required by WAC 480-93-188?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such activity/condition was observed during the inspection.**
205. Question Result, ID, References **NA, MO.RW.LEAKAGE30SMYS.P, 192.935(d) (192.935(b)(1)(i), 192.935(b)(1)(iii))**  
 Question Text *For pipelines operating below 30% SMYS in a Class 3 or 4 locations, but not in an HCA, is there a process for performing leak surveys?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such activity/condition was observed during the inspection.**
206. Question Result, ID, References **NA, MO.RW.LEAKAGE30SMYS.R, 192.935(d) (192.935(b)(1)(i), 192.935(b)(1)(iii))**  
 Question Text *For pipelines operating below 30% SMYS in a Class 3 or 4 locations, but not in an HCA, do records indicate performance of leak surveys?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such activity/condition was observed during the inspection.**
207. Question Result, ID, References **Sat, 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 **Located in O&M Leak Detection Section 7.8 - Leak Classification**
208. Question Result, ID, References **NA, MO.RW.LEAKGRADE.R,**  
 Question Text *Do records indicate that the operator has graded leaks and determined the extent of each leak?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such activity/condition was observed during the inspection.**
209. Question Result, ID, References **Sat, 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 **Located in O&M Leak Detection Section 7.13 - Determining Leak Spread**
210. Question Result, ID, References **Sat, MO.RW.LEAKFOLLOWUP.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 Located in O&M Leak Detection Section 7.8 - Leak Classification

211. Question Result, ID, References **NA, MO.RW.LEAKFOLLOWUP.R,**  
Question Text *Do records indicate that a follow-up inspection was performed not more than thirty days following a repair where residual gas remained in the ground?*  
Assets Covered **88991 (1519)**  
Result Notes **No such activity/condition was observed during the inspection.**
212. Question Result, ID, References **NA, MO.RW.DOWNGRADELEAKREPAIR.R,**  
Question Text *Do records indicate that leaks that have been downgraded are repaired within twenty-one months?*  
Assets Covered **88991 (1519)**  
Result Notes **No such activity/condition was observed during the inspection.**
213. Question Result, ID, References **NA, MO.RW.LEAKREPAIRTIME.R,**  
Question Text *Do records indicate that leaks were repaired and re-evaluated within the timeframes specified in WAC 480-93-18601?*  
Assets Covered **88991 (1519)**  
Result Notes **No such activity/condition was observed during the inspection.**
214. Question Result, ID, References **Sat, MO.RW.LEAKRECORDS.P,** (also presented in: PD.RW)  
Question Text *Does the operator have procedures to prepare and maintain gas leak records containing all information required by WAC 480-93-178?*  
Assets Covered **88991 (1519)**  
Result Notes **Located in O&M Leak Detection Section 7.12 - Gas Leak Records**
215. Question Result, ID, References **NA, MO.RW.LEAKRECORDS.R,**  
Question Text *Have gas leak records been prepared and maintained as required?*  
Assets Covered **88991 (1519)**  
Result Notes **No such activity/condition was observed during the inspection.**
216. Question Result, ID, References **Sat, MO.RW.LEAKCALIBRATE.P,**  
Question Text *Is there a process to maintain and calibrate gas detection instruments in accordance with the manufacturer's recommendations?*  
Assets Covered **88991 (1519)**  
Result Notes **Located in O&M Leak Detection Section 7.4 - Leakage Surveys**
217. Question Result, ID, References **Sat, MO.RW.LEAKCALIBRATE.R,**  
Question Text *Do records indicate that gas detection equipment has been maintained and calibrated in accordance with the manufacturer's recommendations?*  
Assets Covered **88991 (1519)**  
Result Notes **Reviewed equipment calibration records for the years covered by this audit.**

## **MO.MCA: Moderate Consequence Areas (MCA)**

218. Question Result, ID, References **Sat, MO.MCA.MCADEF.P, 192.624(a)(2) (192.710(a)(2), 192.3)**  
Question Text *Is the operator's MCA definition consistent with the §192.3 Definition?*  
Assets Covered **88991 (1519)**  
Result Notes **Located in O&M Definitions Section 1.7**
219. Question Result, ID, References **Sat, MO.MCA.MCAIDENTIF.P, 192.624(a)(2) (192.710(a)(2))**  
Question Text *What is the methodology being used for identifying MCAs?*  
Assets Covered **88991 (1519)**

Result Notes Located in O&M Definitions Section 1.7

220. Question Result, ID, References Sat, MO.MCA.MCAIDENTIF.R, 192.624(a)(2) (192.710(a)(2))  
Question Text *Do the records demonstrate MCAs are properly identified and documented with the physical characteristics/attributes, operating conditions, and surrounding environmental conditions of the pipeline?*  
Assets Covered 88991 (1519)  
Result Notes Reviewed class location HCA & MCA Analysis survey study
221. Question Result, ID, References NA, MO.MCA.MCAIDENTIF.O, 192.624(a)(2) (192.710(a)(2))  
Question Text *Do field observations of select locations indicate MCAs in the field are consistent with operator's most recent documented MCAs?*  
Assets Covered 88991 (1519)  
Result Notes No such activity/condition was observed during the inspection.
222. Question Result, ID, References Sat, MO.MCA.MCAIDENTIFROAD.R, 192.3 (192.624, 192.712)  
Question Text *Do records demonstrate the operator properly identified and applied "covered" roadways that could be affected by the PIR, and therefore considered a "pipeline with an MCA"?*  
Assets Covered 88991 (1519)  
Result Notes Reviewed in class location HCA & MCA Analysis survey study.
223. Question Result, ID, References Sat, MO.MCA.MCAPIR.P, 192.903 (192.3, 192.624(a)(2), 192.710)  
Question Text *Is the process for calculating and applying potential impact radius (PIR) for establishment of Moderate Consequence Areas (MCAs) consistent with the requirements of 192.3 and 192.903?*  
Assets Covered 88991 (1519)  
Result Notes Located in O&M Definitions Section 1.7
224. Question Result, ID, References Sat, MO.MCA.MCAPIR.R, 192.903 (192.3, 192.624(a)(2), 192.710)  
Question Text *Do records demonstrate the application of potential impact radius (PIR) for establishment of Moderate Consequence Areas (MCAs) is consistent with the requirements of 192.3 and 192.903?*  
Assets Covered 88991 (1519)  
Result Notes Reviewed in class location HCA & MCA Analysis survey study.
225. Question Result, ID, References Sat, MO.MCA.MCANEW.P, 192.613(a) (192.624(a)(2), 192.903, 192.5(d), 192.3)  
Question Text *Does the process include a requirement for periodic evaluation of new information that creates a new Moderate Consequence Area?*  
Assets Covered 88991 (1519)  
Result Notes Located in O&M Class Location Section 8.1 - Change in Class Location which refers to Section 1.7
226. Question Result, ID, References NA, MO.MCA.MCANEW.R, 192.613(a) (192.624(a)(2), 192.903, 192.5(d), 192.3)  
Question Text *Do records demonstrate new information that creates a new Moderate Consequence Area was periodically collected and evaluated?*  
Assets Covered 88991 (1519)  
Result Notes No such activity/condition was observed during the inspection.
227. Question Result, ID, References Sat, MO.MCA.MAOPRECONFIRM.P, 192.624(a)(2) (192.632(a))  
Question Text *What is the written procedure for identifying legacy (grandfathered) pipeline segments affecting MCAs which must have their MAOP reconfirmed?*  
Assets Covered 88991 (1519)  
Result Notes Located in O&M Pressure Control Section 9.5 - Engineering Critical Assessment for MAOP Confirmation
228. Question Result, ID, References NA, MO.MCA.MAOPRECONFIRM.R, 192.624(d) (192.603(b), 192.605(b)(1), 192.624(a)(2), 192.632(a))  
Question Text *Do the records adequately identify legacy (grandfathered) pipeline segments affecting MCAs which must have their MAOP reconfirmed?*

Assets Covered 88991 (1519)

Result Notes No such activity/condition was observed during the inspection.

## MO.RECONFMTV: Verification of Materials Properties

229. Question Result, ID, References Sat, MO.RECONFMTV.PROGRAM.P, 192.607 (192.613, 192.619, 192.624, 192.632, 192.712)  
Question Text *What is the process (or program) for determining and collecting material verification records for line pipe to meet the requirements of §§ 192.619(a)(4), 192.624, 192.607, and 192.712?*  
Assets Covered 88991 (1519)  
Result Notes Located in O&M Recordkeeping Section 4.13 - Verification of Pipeline Materials & Attributes
230. Question Result, ID, References Sat, MO.RECONFMTV.PROGRAM.R, 192.607(b)  
Question Text *Does the line pipe material verification documentation (records) of material properties and attributes demonstrate compliance with §192.607(b)?*  
Assets Covered 88991 (1519)  
Result Notes Reviewed all MTR documents for all pipelines (pipe only)
231. Question Result, ID, References Sat, MO.RECONFMTV.COMPONENTS.P, 192.607(f) (192.607, 192.624, 192.712)  
Question Text *Does the process (or program) include determining which mainline pipeline components other than line pipe are subject to the verification of material properties and attributes requirements of 192.607(f)?*  
Assets Covered 88991 (1519)  
Result Notes Located in O&M Recordkeeping Section 4.13 - Verification of Pipeline Materials & Attributes
232. Question Result, ID, References Sat, MO.RECONFMTV.COMPONENTS.R, 192.607(f)  
Question Text *Does the verification documentation (records) of material properties and attributes for mainline pipeline components other than line pipe demonstrate compliance with §192.607(f)?*  
Assets Covered 88991 (1519)  
Result Notes Staff reviewed construction records at the Cardinal FG during the facility portion of the inspection.
233. Question Result, ID, References Sat, MO.RECONFMTV.OPPORTUNISTIC.P, 192.607(c) (192.607, 192.624, 192.632, 192.712)  
Question Text *Do the procedures define when an open excavation requires material verification and when it does not? (i.e., what meets the criteria of an opportunistic dig?)*  
Assets Covered 88991 (1519)  
Result Notes Located in O&M Recordkeeping Section 4.13 - Verification of Pipeline Materials & Attributes
234. Question Result, ID, References NA, MO.RECONFMTV.OPPORTUNISTIC.O, 192.607(c) (192.607, 192.624, 192.632, 192.712)  
Question Text *Do field observations indicate that the opportunistic digs and testing conducted in the field meet the requirements of the procedures?*  
Assets Covered 88991 (1519)  
Result Notes No such activity/condition was observed during the inspection.
235. Question Result, ID, References Sat, MO.RECONFMTV.TESTMETHODS.P, 192.607(c) (192.607(d), 192.624, 192.712)  
Question Text *What type(s) of NDT or destructive testing methods (i.e., ILI, in situ testing, etc.) is/are included in the procedures?*  
Assets Covered 88991 (1519)  
Result Notes Located in O&M Recordkeeping Section 4.13 - Verification of Pipeline Materials & Attributes
236. Question Result, ID, References NA, MO.RECONFMTV.TESTMETHODS.R, 192.607(b)  
Question Text *Do the records indicate the type(s) of NDT or destructive testing methods used to comply with the procedures?*  
Assets Covered 88991 (1519)  
Result Notes No such activity/condition was observed during the inspection.

237. Question Result, ID, References **Sat, MO.RECONFMATV.POPULGROUPS.P, 192.607(e) (192.624, 192.607, 192.712)**  
 Question Text *If the operator plans to establish population groups, does the method employed meet the requirements of 192.607(e)?*  
 Assets Covered **88991 (1519)**  
 Result Notes **Located in O&M Recordkeeping Section 4.13 - Verification of Pipeline Materials & Attributes**
238. Question Result, ID, References **NA, MO.RECONFMATV.POPULGROUPS.R, 192.607(e)**  
 Question Text *Where the operator has established population groups, do the records support operator's approved methods and comply with 192.607(e)?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such activity/condition was observed during the inspection.**

## **MO.RECONF: MAOP Reconfirmation**

239. Question Result, ID, References **Sat, MO.RECONF.MAOPMETHODORIG.R, 192.619 (192.624(a))**  
 Question Text *Do records demonstrate what method(s) from §192.619 were used to determine the pipeline original MAOP on a segment-by-segment basis?*  
 Assets Covered **88991 (1519)**  
 Result Notes **Reviewed MAOP determination document prepared by Cardinal engineer, everything is modeled at 1000 psig**
240. Question Result, ID, References **Sat, MO.RECONF.RECONFIRMAPPLIC.P, 192.624(a) (192.619(f))**  
 Question Text *Do procedures indicate the pipeline segments for which MAOP reconfirmation is applicable and must be conducted as required by §192.624(a)?*  
 Assets Covered **88991 (1519)**  
 Result Notes **Located in O&M Pressure Control Section 9.3 & 9.4**  
  
**Does not apply to Cardinal pipeline**
241. Question Result, ID, References **Sat, MO.RECONF.RECONFIRMTIMING.P, 192.624(b) (192.18)**  
 Question Text *Have the procedures been developed and implemented for pipeline segments determined to require MAOP reconfirmation, including timeline and complete dates, as required by §192.624(b)?*  
 Assets Covered **88991 (1519)**  
 Result Notes **Located in O&M Pressure Control Section 9.3 & 9.4**  
  
**Does not apply to Cardinal pipeline**
242. Question Result, ID, References **NA, MO.RECONF.RECONFIRMTIMING.R, 192.624(b) (192.614(a))**  
 Question Text *Do the records indicate that the operator is making adequate progress towards their implementation timeline / schedule as required by §192.624(b)?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such activity/condition was observed during the inspection.**
243. Question Result, ID, References **Sat, MO.RECONF.RECONFIRMMETHODS.P, 192.624(c) (192.18, 192 Subpart J, 192.619(a)(2), 192.632)**  
 Question Text *Are the procedures for conducting MAOP reconfirmation adequate for the methods used (or intended to be used) as required by §192.624(c)?*  
 Assets Covered **88991 (1519)**  
 Result Notes **Located in O&M Pressure Control Section 9.3 & 9.4**  
  
**Does not apply to Cardinal pipeline**
244. Question Result, ID, References **Sat, MO.RECONF.COMPONENTS.P, 192.624 (192.607(e), 192.607(f), 192.619)**

Question Text *Do the MAOP reconfirmation methods for the applicable portions of the facilities (i.e., Compressor Stations, Meter & Regulating Stations) ensure that material properties are available to support the MAOP?*

Assets Covered 88991 (1519)

Result Notes Located in O&M Pressure Control Section 9.3 & 9.4

Does not apply to Cardinal pipeline

245. Question Result, ID, References NA, MO.RECONF.COMPONENTS.R, 192.624 (192.607(e), 192.607(f), 192.619)

Question Text *Do the records identify all non-line pipe components requiring MAOP reconfirmation (e.g., compressor and meter stations)?*

Assets Covered 88991 (1519)

Result Notes No such activity/condition was observed during the inspection.

246. Question Result, ID, References Sat, MO.RECONF.RECONFIRMRECORDS.P, 192.624(b) (192.624(d), 192.619(f))

Question Text *Do the MAOP reconfirmation procedures require recordkeeping in accordance with §192.624(d) for the life of the pipeline?*

Assets Covered 88991 (1519)

Result Notes Located in O&M Pressure Control Section 9.3 & 9.4

Does not apply to Cardinal pipeline

247. Question Result, ID, References NA, MO.RECONF.RECONFIRMRECORDS.R, 192.624(d) (192.517, 192.624(b), 192.619(f))

Question Text *Do the MAOP reconfirmation records meet the requirements of §192.624(d) and are they retained for the life of the pipeline?*

Assets Covered 88991 (1519)

Result Notes No such activity/condition was observed during the inspection.

248. Question Result, ID, References Sat, MO.RECONF.RECONFIRMATION.O, 192.624(c) (192.505, 192.506, 192.607)

Question Text *Do field observations of selected MAOP reconfirmation method(s) or related activities verify that the method employed conforms with the operator-established procedures?*

Assets Covered 88991 (1519)

Result Notes Located in O&M Pressure Control Section 9.3 & 9.4

Does not apply to Cardinal pipeline

## MO.RECONFM1: MAOP Reconfirmation - Method 1

249. Question Result, ID, References Sat, MO.RECONFM1.METHOD1.P, 192.624(c)(1) (192.18, 192 Subpart J, 192.619(c))

Question Text *Where the operator has elected Method 1 for the MAOP reconfirmation, do the procedures for conducting a pressure test for MAOP reconfirmation meet the requirements of §192.624(c)(1)?*

Assets Covered 88991 (1519)

Result Notes Located in O&M Pressure Control Section 9.4 MAOP Reconfirmation Methods

Does not apply to Cardinal pipeline

250. Question Result, ID, References NA, MO.RECONFM1.METHOD1.R, 192.624(d) (192.624(c)(1), 192 Subpart J, 192.619(c))

Question Text *Where the operator has elected Method 1 for the MAOP reconfirmation, are the records adequate for a pressure test for MAOP reconfirmation as required by §192.624(c)(1)?*

Assets Covered 88991 (1519)

Result Notes No such activity/condition was observed during the inspection.

## MO.RECONFM2: MAOP Reconfirmation - Method 2

251. Question Result, ID, References **Sat, MO.RECONFM2.METHOD2.P, 192.624(c)(2) (192.18, 192 Subpart J, 192.619(c))**  
Question Text *Where the operator has elected Method 2 for the MAOP reconfirmation, do the procedures for conducting a pressure reduction for MAOP reconfirmation meet the requirements of §192.624(c)(2)?*  
Assets Covered **88991 (1519)**  
Result Notes **Located in O&M Pressure Control Section 9.4 MAOP Reconfirmation Methods**

Does not apply to Cardinal pipeline

252. Question Result, ID, References **NA, MO.RECONFM2.METHOD2.R, 192.624(d) (192.624(c)(2), 192 Subpart J, 192.18, 192.619(c))**  
Question Text *Where the operator has elected Method 2 for the MAOP reconfirmation, do the records confirm the pressure reduction for MAOP reconfirmation meet the requirements of §192.624(c)(2)?*  
Assets Covered **88991 (1519)**  
Result Notes **No such activity/condition was observed during the inspection.**

### **MO.RECONFM3: MAOP Reconfirmation - Method 3 (ECA)**

253. Question Result, ID, References **Sat, MO.RECONFM3.ECAASSESSMENT.P, 192.632**  
Question Text *When the operator elects to use ECA for MAOP reconfirmation (per §192.624(c)(3)), do the procedures provide sufficient detail to ensure the ECA Assessment is conducted in accordance with §192.632?*  
Assets Covered **88991 (1519)**  
Result Notes **Located in O&M Pressure Control Section 9.4 & 9.5 MAOP Reconfirmation Methods**

Does not apply to Cardinal pipeline

254. Question Result, ID, References **Sat, MO.RECONFM3.ECAANALYSIS1.P, 192.632(a) (192.624(c), 192.712)**  
Question Text *When the operator elects to use ECA for MAOP reconfirmation (per §192.624(c)(3)), do the procedures provide sufficient detail to ensure the ECA Analysis is conducted in accordance with §192.632(a) for methods and data collection?*  
Assets Covered **88991 (1519)**  
Result Notes **Located in O&M Pressure Control Section 9.4 & 9.5 MAOP Reconfirmation Methods**

Does not apply to Cardinal pipeline

255. Question Result, ID, References **Sat, MO.RECONFM3.ECAANALYSIS2.P, 192.632(a) (192.624(c), 192.712)**  
Question Text *When the operator elects to use ECA for MAOP reconfirmation (per §192.624(c)(3)), do the procedures provide sufficient detail to ensure the ECA Analysis is conducted in accordance with §192.632(a) for crack analysis and predicted failure pressure (including Charpy V-notch)?*  
Assets Covered **88991 (1519)**  
Result Notes **Located in O&M Pressure Control Section 9.4 & 9.5 MAOP Reconfirmation Methods**

Does not apply to Cardinal pipeline

256. Question Result, ID, References **Sat, MO.RECONFM3.ECAREMAINDEFECTS.P, 192.632(b) (192.624(c), 192.712)**  
Question Text *When the operator elects to use ECA for MAOP reconfirmation (per §192.624(c)(3)), do the procedures provide sufficient detail to ensure the ECA Assessment is conducted in accordance with §192.632(b) for determining remaining defects?*  
Assets Covered **88991 (1519)**  
Result Notes **Located in O&M Pressure Control Section 9.4 & 9.5 MAOP Reconfirmation Methods**

Does not apply to Cardinal pipeline

257. Question Result, ID, References **Sat, MO.RECONFM3.ECAREMAINDEFECTSILI.P, 192.632(c) (192.624(c), 192.712)**

Question Text *When the operator elects to use ECA for MAOP reconfirmation (per §192.624(c)(3)), do the procedures provide sufficient detail to ensure the ECA Analysis is conducted in accordance with §192.632(c) for selecting appropriate ILI tools?*

Assets Covered 88991 (1519)

Result Notes Located in O&M Pressure Control Section 9.4 & 9.5 MAOP Reconfirmation Methods

Does not apply to Cardinal pipeline

258. Question Result, ID, References Sat, MO.RECONFM3.ECAREMAINPIPELINELIFE.P, 192.632(d) (192.624(c), 192.712)

Question Text *When the operator elects to use ECA for MAOP reconfirmation (per §192.624(c)(3)), do the procedures provide sufficient detail to ensure the ECA Analysis is performed in accordance with §192.632(d) for estimating remaining life of the pipeline?*

Assets Covered 88991 (1519)

Result Notes Located in O&M Pressure Control Section 9.4 & 9.5 MAOP Reconfirmation Methods

Does not apply to Cardinal pipeline

259. Question Result, ID, References NA, MO.RECONFM3.ECAASSESSMENT.R, 192.632

Question Text *When the operator elects to use ECA for MAOP reconfirmation (per §192.624(c)(3)), do the records indicate the ECA Analysis was conducted in accordance with their procedures and §192.632?*

Assets Covered 88991 (1519)

Result Notes No such activity/condition was observed during the inspection.

260. Question Result, ID, References NA, MO.RECONFM3.ECAANALYSIS1.R, 192.632(a) (192.624(c), 192.712)

Question Text *When the operator elects to use ECA for MAOP reconfirmation (per §192.624(c)(3)), do the records indicate the ECA Analysis was conducted in accordance with §192.632(a) for methods and data collection?*

Assets Covered 88991 (1519)

Result Notes No such activity/condition was observed during the inspection.

261. Question Result, ID, References NA, MO.RECONFM3.ECAANALYSIS2.R, 192.632(a) (192.624(c), 192.712)

Question Text *When the operator elects to use ECA for MAOP reconfirmation (per §192.624(c)(3)), do the records indicate the ECA Analysis was conducted in accordance with §192.632(a) for crack analysis and predicted failure pressure (including Charpy V-notch)?*

Assets Covered 88991 (1519)

Result Notes No such activity/condition was observed during the inspection.

262. Question Result, ID, References NA, MO.RECONFM3.ECAREMAINDEFECTS.R, 192.632(b) (192.624(c), 192.712)

Question Text *When the operator elects to use ECA for MAOP reconfirmation (per §192.624(c)(3)), do the records indicate the ECA Assessment was conducted in accordance with §192.632(b) for determining remaining defects?*

Assets Covered 88991 (1519)

Result Notes No such activity/condition was observed during the inspection.

263. Question Result, ID, References NA, MO.RECONFM3.ECAREMAINDEFECTSILI.R, 192.632(c) (192.624(c), 192.712)

Question Text *When the operator elects to use ECA for MAOP reconfirmation (per §192.624(c)(3)), do the records indicate the ECA Analysis was conducted in accordance with §192.632(c) for selecting appropriate ILI tools?*

Assets Covered 88991 (1519)

Result Notes No such activity/condition was observed during the inspection.

264. Question Result, ID, References NA, MO.RECONFM3.ECAREMAINPIPELINELIFE.R, 192.632(d) (192.624(c), 192.712)

Question Text *When the operator elects to use ECA for MAOP reconfirmation (per §192.624(c)(3)), do the records indicate the ECA Analysis was performed in accordance with §192.632(d) for estimating remaining life of the pipeline?*

Assets Covered 88991 (1519)

Result Notes No such activity/condition was observed during the inspection.

## MO.RECONFM5: MAOP Reconfirmation - Method 5

265. Question Result, ID, References Sat, MO.RECONFM5.METHOD5.P, 192.624(c)(5) (192.18, 192 Subpart J, 192.619(c))  
Question Text *Where the operator has elected Method 5 for the MAOP reconfirmation, do the procedures for conducting a pressure reduction for pipeline segments with small PIR meet the requirements of §192.624(c)(5)?*  
Assets Covered 88991 (1519)  
Result Notes Located in O&M Pressure Control Section 9.4 MAOP Reconfirmation Methods
- Does not apply to Cardinal pipeline
266. Question Result, ID, References NA, MO.RECONFM5.METHOD5.R, 192.624(d) (192.624(c)(5), 192.18, 192 Subpart J, 192.619(c))  
Question Text *Where the operator has elected Method 5 for the MAOP reconfirmation, are the records for pressure reduction on pipeline segments with a small PIR for MAOP reconfirmation adequate as required by §192.624(c)(5)?*  
Assets Covered 88991 (1519)  
Result Notes No such activity/condition was observed during the inspection.

## MO.RECONFM6: MAOP Reconfirmation - Method 6

267. Question Result, ID, References Sat, MO.RECONFM6.METHOD6.P, 192.624(c)(6) (192.18, 192 Subpart J, 192.619(c))  
Question Text *Where the operator has elected Method 6 for the MAOP reconfirmation, do the procedures for the alternative technical evaluation process meet the requirements of §192.624(c)(6)?*  
Assets Covered 88991 (1519)  
Result Notes Located in O&M Pressure Control Section 9.4 MAOP Reconfirmation Methods
- Does not apply to Cardinal pipeline
268. Question Result, ID, References NA, MO.RECONFM6.METHOD6.R, 192.624(d) (192.624(c)(6), 192.18, 192.619(c))  
Question Text *Where the operator has elected Method 6 for the MAOP reconfirmation, do the records for the alternative technical evaluation process meet the requirements of §192.624(c)(6)?*  
Assets Covered 88991 (1519)  
Result Notes No such activity/condition was observed during the inspection.

## PD.DP: Damage Prevention

269. Question Result, ID, References Sat, PD.DP.EXCAVATEMARK.R, 192.614(c)(5)  
Question Text *Do records indicate that marking proposed excavation sites was completed within two business days and in accordance with RCW 19.122?*  
Assets Covered 88991 (1519)  
Result Notes Staff reviewed email & time sheet records and documents which verified that Cardinal/Everline were able to complete marking within two business days.
270. Question Result, ID, References NA, PD.DP.ONECALL.O, 192.614(c)(3)  
Question Text *Observe operator process a "One Call" ticket.*  
Assets Covered 88991 (1519)  
Result Notes No such activity/condition was observed during the inspection.
271. Question Result, ID, References Sat, PD.DP.PDPROGRAM.R, 192.614(c) (Appendix F to Part 112)  
Question Text *Does the damage prevention program meet minimum requirements specified in 192.614(c)?*  
Assets Covered 88991 (1519)

Result Notes Reviewed Foreign Line Crossing documents

7/31/24 - @MP 1.742, @MP 1.815, @MP 1.938, @MP 1.970

8/1/24 - @MP 2.066

6/10/25 - @MP 2.312

272. Question Result, ID, References Sat, PD.DP.DPINFOGATHER.R, 192.947(b) (192.917(b), 192.935(b)(1)(ii))

Question Text *Do records demonstrate that critical damage prevention information is being gathered and recorded during pipeline patrols, leakage surveys, and integrity assessments?*

Assets Covered 88991 (1519)

Result Notes Reviewed Form 3(a) - Pipeline Patrol Survey - 12/13/23 which included the information, and Pipeline Patrol Survey - 3/7/24

273. Question Result, ID, References NA, PD.DP.NOTICETOEXCAVATOR.R,

Question Text *Do records indicate that the operator provides the required information to excavators who damage pipeline facilities?*

Assets Covered 88991 (1519)

Result Notes No such activity/condition was observed during the inspection.

274. Question Result, ID, References NA, PD.DP.COMMISSIONREPORT.R,

Question Text *Do records indicate the operator reports to the commission when the operator or its contractor observes or becomes aware of the activities described in WAC 480-93-200(9)?*

Assets Covered 88991 (1519)

Result Notes No such activity/condition was observed during the inspection.

275. Question Result, ID, References NA, PD.DP.REBURIALINSPECT.R,

Question Text *When a third party exposes a pipeline owned by the operator, does the operator have a record showing they examined the pipeline for damage in the vicinity of the excavation?*

Assets Covered 88991 (1519)

Result Notes No such activity/condition was observed during the inspection.

## PD.PA: Public Awareness

276. Question Result, ID, References Sat, PD.PA.LANGUAGE.R, 192.616(g) (API RP 1162 Section 2.3.1)

Question Text *Were materials and messages developed and delivered in other languages commonly understood by a significant number and concentration of non-English speaking populations in the operator's areas?*

Assets Covered 88991 (1519)

Result Notes Reviewed 2023 & 2024 questionnaires and mailers (in Spanish)

Cardinal determined Spanish based on MLA of 5% or greater - PA Manual revised 7/15/25

## PD.SP: Special Permits

277. Question Result, ID, References NA, PD.SP.REPAIR.R, 190.341(d)(2)

Question Text *If the operator operates a pipeline under a special permit, do records indicate that required repairs were performed?*

Assets Covered 88991 (1519)

Result Notes No such activity/condition was observed during the inspection.

## RPT.NR: Notices and Reporting

278. Question Result, ID, References **Sat, RPT.NR.CONTACTUPDATE.R,**  
 Question Text *Do records indicate that the operator submits updated name, address, and phone numbers of emergency contacts/responsible officials to the commission and appropriate officials of ALL municipalities in which the company has pipeline facilities?*  
 Assets Covered **88991 (1519)**  
 Result Notes **Reviewed emails sent to UTC of attached manuals with up-to-date information on 3/3/24, and 7/30/25.**
279. Question Result, ID, References **Sat, RPT.NR.19218NOTIF.P, 192.18(c) (192.506(b), 192.607(e)(4), 192.607(e)(5), 192.624(c)(2)(iii), 192.624(c)(6), 192.632(b)(3), 192.710(c)(7), 192.712(d)(3)(iv), 192.712(e)(2)(i)(E), 192.921(a)(7), 192.937(c)(7), 191.1(a), 192.8(b)(2), 192.9(g), 192.9(h))**  
 Question Text *Do the procedures include provisions for each of the required types of notifications to PHMSA per §192.18?*  
 Assets Covered **88991 (1519)**  
 Result Notes **Cardinal has it located in O&M in most of the Sections, reviewed by staff during audit.**
280. Question Result, ID, References **Sat, RPT.NR.19218NOTIF.R, 192.18(c) (192.506(b), 192.607(e)(4), 192.607(e)(5), 192.624(c)(2)(iii), 192.624(c)(6), 192.632(b)(3), 192.710(c)(7), 192.712(d)(3)(iv), 192.712(e)(2)(i)(E), 192.921(a)(7), 192.937(c)(7), 191.1(a), 192.8(b)(2), 192.9(g), 192.9(h), 192.909(b), 192.805(i))**  
 Question Text *Do the records indicate proper and timely notifications to PHMSA for each notification type as required by §192.18(c)?*  
 Assets Covered **88991 (1519)**  
 Result Notes **Reviewed Annual Report submissions Mar-2023, Mar 14, 2024, Feb 12, 2025, Supplemental with updated pipeline mileage 7/31/25.**
281. Question Result, ID, References **NA, RPT.NR.CONSTRUCTIONREPORT.R,**  
 Question Text *Do records indicate the operator has filed a proposed construction report for construction or replacement of any segment of gas transmission pipeline of at least 100 feet in length?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such activity/condition was observed during the inspection.**
282. Question Result, ID, References **NA, RPT.NR.PRESSURETESTNOTIFY.R,**  
 Question Text *Do records indicate that the operator notified the commission 3 days prior to commencement of any pressure test of a gas pipeline that will have a MAOP that produces a hoop stress of twenty percent or more of the specified minimum yield strength?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such activity/condition was observed during the inspection.**
283. Question Result, ID, References **NA, RPT.NR.PROXIMITYREQUEST.R,**  
 Question Text *Do records demonstrate that the operator is in compliance with the proximity consideration requirements in WAC 480-93-020?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such activity/condition was observed during the inspection.**

## **RPT.RR: Regulatory Reporting (Traditional)**

284. Question Result, ID, References **Sat, RPT.RR.ANNUALREPORT.R, 191.17(a) (191.1(a), 192.8(c)(3), 192.8(c)(4), 192.8)**  
 Question Text *Have complete and accurate Annual Reports utilizing the most recent form F 7 100.2-1 been submitted?*  
 Assets Covered **88991 (1519)**  
 Result Notes **Reviewed most recent report due to modification of pipeline mileage.**
285. Question Result, ID, References **NA, RPT.RR.CONSTRUCTIONDEFECTS.R,**  
 Question Text *Do records indicate that the operator has submitted timely and complete reports of construction defects and material failures that resulted in leaks?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such activity/condition was observed during the inspection.**

286. Question Result, ID, References **NA, RPT.RR.IMMEDREPORT.R, 191.5(a) (191.7(a), 191.1(a), 192.8(c)(3))**  
 Question Text *Do records indicate immediate notifications of incidents were made in accordance with §191.5?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such activity/condition was observed during the inspection.**
287. Question Result, ID, References **NA, RPT.RR.INCIDENTREPORT.R, 191.15(a) (192.624(a)(1), 192.624(a)(2), 191.1(a), 192.8(c)(3))**  
 Question Text *Do records indicate reportable incidents were identified and reports were submitted to DOT on the most recent Form within the required timeframe?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such activity/condition was observed during the inspection.**
288. Question Result, ID, References **NA, RPT.RR.INCIDENTREPORTSUPP.R, 191.15(d) (191.1(a), 192.8(c)(3))**  
 Question Text *Do records indicate accurate supplemental incident reports were filed as soon as practicable with a clear reference by date to the original report?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such activity/condition was observed during the inspection.**
289. Question Result, ID, References **NA, RPT.RR.FAILUREANALYSIS.R,**  
 Question Text *Do records indicate that the operator submits failure analysis reports within 5 days of completion for incidents or hazardous conditions due to construction defects or material failures?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such activity/condition was observed during the inspection.**
290. Question Result, ID, References **NA, RPT.RR.SRCR.R, 191.23(a) (191.23(b), 191.25(a), 191.25(b), 191.25(c), 191.1(a), 192.8(c)(3))**  
 Question Text *Do records indicate Safety-Related Condition Reports were filed as required?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such activity/condition was observed during the inspection.**
291. Question Result, ID, References **Sat, RPT.RR.NPMSANNUAL.R, 191.29(a) (191.29(b))**  
 Question Text *Do records indicate NPMS submissions were completed each year, on or before March 15, representing all in service, idle and retired assets as of December 31 of the previous year (excludes distribution lines and gathering lines) occurred, and that if no modifications occurred, an email was submitted stating that fact?*  
 Assets Covered **88991 (1519)**  
 Result Notes **Reviewed submissions for 1/25/2023, 3/7/2025, 2/12/2025, resubmission 8/5/25.**
292. Question Result, ID, References **NA, RPT.RR.PIPELINEMAPPING.R,**  
 Question Text *Do records indicate that accurate maps (or updates) are provided for pipelines operating over 250 PSIG to specifications developed by the commission and sufficient to meet the needs of first responders?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such activity/condition was observed during the inspection.**
293. Question Result, ID, References **NA, RPT.RR.OPID.R, 191.22(a) (191.22(c), 191.22(d), 191.1(a), 192.8(c)(3))**  
 Question Text *Do records indicate appropriate obtaining, and control of, Operator Identification Numbers (OPIDs), including changes in entity, acquisition/divestiture, and construction/update/uprate?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such activity/condition was observed during the inspection.**
294. Question Result, ID, References **NA, RPT.RR.DIRTREPORTS.R,**  
 Question Text *Do records indicate that the operator has submitted reports of damage to the commission using the damage information reporting tool (DIRT) within 45 days?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such activity/condition was observed during the inspection.**

## TD.ATM: Atmospheric Corrosion

295. Question Result, ID, References **Sat**, TD.ATM.ATMCORRODE.R, 192.491(c) (192.479(a), 192.479(b), 192.479(c), 192.9(f)(1), 192.453)  
Question Text *Do records document the protection of above ground pipe from atmospheric corrosion?*  
Assets Covered **88991 (1519)**  
Result Notes **Reviewed record for 7/20/25 at Williams facility**
296. Question Result, ID, References **Sat**, TD.ATM.ATMCORRODEINSP.R, 192.491(c) (192.481(a), 192.481(b), 192.481(c), 192.481(d), 192.9(f)(1), 192.453)  
Question Text *Do records document inspection of aboveground pipe for atmospheric corrosion?*  
Assets Covered **88991 (1519)**  
Result Notes **Reviewed record for 7/20/25 at Williams facility**
297. Question Result, ID, References **Sat**, TD.ATM.ATMCORRODEINSP.O, 192.481(b) (192.481(c), 192.479(a), 192.479(b), 192.479(c), 192.481(d), 192.9(f)(1), 192.453, 192.491)  
Question Text *Is pipe that is exposed to atmospheric corrosion protected?*  
Assets Covered **88991 (1519)**  
Result Notes **Staff was able to verify that exposed pipe was adequately protected from corrosion.**

## TD.CPMONITOR: External Corrosion - CP Monitoring

298. Question Result, ID, References **Sat**, TD.CPMONITOR.MONITORCRITERIA.R, 192.491(c) (192.463(a), 192.9(f)(1), 182.452, 192.453, 192.491)  
Question Text *Do records document that the CP monitoring criteria used was acceptable?*  
Assets Covered **88991 (1519)**  
Result Notes **Reviewed CP Surveys for external corrosion 4/11/23, 4/11/24, 5/15/25**
299. Question Result, ID, References **Sat**, TD.CPMONITOR.MONITORCRITERIA.O, 192.465(a) (192.463(a), 192.463(b), 192.463(c), Part 192, Appendix D)  
Question Text *Are methods used for taking CP monitoring readings that allow for the application of appropriate CP monitoring criteria?*  
Assets Covered **88991 (1519)**  
Result Notes **Staff was able to verify that pipe-to-soil potential measurements were performed correctly and the testing equipment was properly calibrated.**
300. Question Result, ID, References **Sat**, TD.CPMONITOR.TEST.R, 192.491(c) (192.465(a), 192.9(f)(1), 192.452, 192.453, 192.491)  
Question Text *Do records adequately document cathodic protection monitoring tests have occurred as required?*  
Assets Covered **88991 (1519)**  
Result Notes **Reviewed CP Surveys for external corrosion 4/11/23, 4/11/24, 5/15/25**
301. Question Result, ID, References **NA**, TD.CPMONITOR.CURRENTTEST.R, 192.491(c) (192.465(b), 192.9(f)(1), 192.452, 192.453, 192.491)  
Question Text *Do records document details of electrical checks of sources of rectifiers or other impressed current sources?*  
Assets Covered **88991 (1519)**  
Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**  
  
**Cardinal uses sacrificial anodes.**
302. Question Result, ID, References **NA**, TD.CPMONITOR.CURRENTTEST.O, 192.465(b)  
Question Text *Are impressed current sources properly maintained and are they functioning properly?*  
Assets Covered **88991 (1519)**  
Result Notes **No such activity/condition was observed during the inspection.**
303. Question Result, ID, References **NA**, TD.CPMONITOR.REVCURRENTTEST.R, 192.491(c) (192.465(c), 192.9(f)(1), 192.452, 192.453, 192.491)  
Question Text *Do records document details of electrical checks interference bonds, diodes, and reverse current switches?*

Assets Covered 88991 (1519)

Result Notes No such activity/condition was observed during the inspection.

304. Question Result, ID, References NA, TD.CPMONITOR.REVCURRENTTEST.O, 192.465(c)

Question Text *Are interference bonds, diodes, and reverse current switches properly maintained and are they functioning properly?*

Assets Covered 88991 (1519)

Result Notes No such activity/condition was observed during the inspection.

305. Question Result, ID, References NA, TD.CPMONITOR.DEFICIENCYEXTENT.R, 192.491(c) (192.465(d), 192.465(f))

Question Text *For onshore gas transmission pipelines, does the remedial action plan adequately document actions taken to determine the extent of inadequate cathodic protection, and correct any identified deficiencies in corrosion control?*

Assets Covered 88991 (1519)

Result Notes No such activity/condition was observed during the inspection.

306. Question Result, ID, References NA, TD.CPMONITOR.DEFICIENCYEXTENT.O, 192.465(f) (192.465(d))

Question Text *Is the extent of inadequate cathodic protection identified, and if found, corrected?*

Assets Covered 88991 (1519)

Result Notes No such activity/condition was observed during the inspection.

307. Question Result, ID, References NA, TD.CPMONITOR.DEFICIENCY.R, 192.491(c) (192.465(d), 192.9(f)(1), 192.452, 192.453, 192.491)

Question Text *Do records adequately document actions taken to correct any identified deficiencies in corrosion control?*

Assets Covered 88991 (1519)

Result Notes No such activity/condition was observed during the inspection.

308. Question Result, ID, References NA, TD.CPMONITOR.DEFICIENCYGT.R, 192.491(c) (192.465(d))

Question Text *For onshore gas transmission pipelines, do records adequately document actions taken to correct any identified deficiencies in corrosion control found during inspections/testing?*

Assets Covered 88991 (1519)

Result Notes No such activity/condition was observed during the inspection.

309. Question Result, ID, References Sat, TD.CPMONITOR.TESTSTATION.R, 192.469 (192.9(f)(1), 192.452, 192.453, 192.491)

Question Text *Do records identify the location of test stations and show a sufficient number of test stations?*

Assets Covered 88991 (1519)

Result Notes Reviewed CP Survey spreadsheet (16 Test Stations)

310. Question Result, ID, References Sat, TD.CPMONITOR.TESTLEAD.R, 192.491(c) (192.471(a), 192.471(b), 192.471(c), 192.9(f)(1), 192.452, 192.453, 192.491)

Question Text *Do records document that pipelines with cathodic protection have electrical test leads installed in accordance with requirements of Subpart I?*

Assets Covered 88991 (1519)

Result Notes Cardinal only has original construction documents (Pg. 1-14) but they do not have detailed test lead documentation.

311. Question Result, ID, References NA, TD.CPMONITOR.INTFRCURRENT.R, 192.491(c) (192.473(a), 192.9(f)(1), 192.452, 192.453, 192.491)

Question Text *For pipelines other than onshore gas transmission, do records document an effective program is in place to minimize detrimental effects of interference currents and that detrimental effects of interference currents from CP systems on other underground metallic structures are minimized?*

Assets Covered 88991 (1519)

Result Notes No such activity/condition was observed during the inspection.

312. Question Result, ID, References NA, TD.CPMONITOR.INTFRCURRENT.O, 192.473(a)

Question Text *Are areas of potential stray current identified, and if found, the detrimental effects of stray currents minimized?*

Assets Covered 88991 (1519)

Result Notes No such activity/condition was observed during the inspection.

313. Question Result, ID, References NA, TD.CPMONITOR.INTFRCURRENTDES.R, 192.491(c) (192.473(b))

Question Text *Do records for the design and installation of cathodic protection systems demonstrate the operator reduced the detrimental effects of interference currents on existing adjacent metallic structures?*

Assets Covered 88991 (1519)

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

314. Question Result, ID, References NA, TD.CPMONITOR.INTFRCURRENTSURV.R, 192.491(c) (192.473(c)(1), 192.473(c)(2))

Question Text *For onshore gas transmission pipelines, do records document an effective program to identify and analyze interference currents by performing interference and monitoring surveys to detect the presence and level of any electrical stray current?*

Assets Covered 88991 (1519)

Result Notes No such activity/condition was observed during the inspection.

315. Question Result, ID, References NA, TD.CPMONITOR.INTFRCURRENTREM.R, 192.491(c) (192.473(c)(3), 192.473(c)(4))

Question Text *For onshore gas transmission pipelines, do records document an effective program is in place to minimize detrimental effects of interference currents and that detrimental effects of interference currents from CP systems on other underground metallic structures are minimized?*

Assets Covered 88991 (1519)

Result Notes No such activity/condition was observed during the inspection.

## TD.CP: External Corrosion - Cathodic Protection

316. Question Result, ID, References Sat, TD.CP.POST1971.R, 192.491(c) (192.455(a), 192.457(a), 192.452(a), 192.452(b), 192.455(f), 192.455(g), 192.9(f)(1), 192.452, 192.453, 192.491)

Question Text *Do records document that each buried or submerged pipeline installed after July 31, 1971, has been 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 Cardinal installed anodes shortly after the pipeline was installed in 2006.

317. Question Result, ID, References NA, TD.CP.PRE1971.O, 192.457(b)

Question Text *Are bare or coated pipes in compressor, regulator or meter stations installed before August 1, 1971 (except for cast and ductile iron lines) cathodically protected in areas where active corrosion was found in accordance with Subpart I of Part 192?*

Assets Covered 88991 (1519)

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

318. Question Result, ID, References NA, TD.CP.UNPROTECT.R, 192.491(c) (192.465(e), 192.9(f)(1), 192.452, 192.453, 192.491)

Question Text *Do records adequately document the re-evaluation of non-cathodically protected buried pipelines for areas of active corrosion?*

Assets Covered 88991 (1519)

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

319. Question Result, ID, References NA, TD.CP.ELECISOLATE.R, 192.491(c) (192.467(a), 192.467(b), 192.467(c), 192.467(d), 192.467(e), 192.9(f)(1), 192.452, 192.453, 192.491)

Question Text *Do records adequately document electrical isolation of 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 No such activity/condition was observed during the inspection.

320. Question Result, ID, References **NA, TD.CP.ELECISOLATE.O, 192.467(a) (192.467(b), 192.467(c), 192.467(d), 192.467(e))**  
 Question Text *Are measures performed to ensure electrical isolation of 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 **No such activity/condition was observed during the inspection.**
321. Question Result, ID, References **Sat, TD.CP.ELECISOLATETEST.R, 192.491(c) (192.467(d), 192.9(f)(1), 192.452, 192.453, 192.491)**  
 Question Text *Do records adequately document the inspection and electrical testing performed to ensure that electrical isolation is adequate?*  
 Assets Covered **88991 (1519)**  
 Result Notes **Reviewed CP Survey spreadsheet (16 Test Stations)**
322. Question Result, ID, References **NA, TD.CP.CASINGINSPECT.R,**  
 Question Text *Do records indicate that annual casing inspections have been performed 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.**
323. Question Result, ID, References **NA, TD.CP.CASINGINSPECT.O,**  
 Question Text *Are casings electrically isolated from the pipeline?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**
324. Question Result, ID, References **Sat, TD.CP.RECORDS.R, 192.491(a) (192.491(b), 192.491(c), 192.9(f)(1), 192.452, 192.453) (also presented in: TD.CPMONITOR, TD.CPEXPOSED)**  
 Question Text *Do records indicate the location of all corrosion control items listed in §192.491(a)?*  
 Assets Covered **88991 (1519)**  
 Result Notes **Reviewed CP Survey spreadsheet (16 Test Stations)**

## **TD.COAT: External Corrosion - Coatings**

325. Question Result, ID, References **NA, TD.COAT.NEWPIPE.R, 192.491(c) (192.455(a)(1), 192.461(a), 192.461(b), 192.483(a), 192.9(f)(1), 192.452, 192.453, 192.491)**  
 Question Text *Do records document that each buried or submerged pipeline installed after July 31, 1971 has been externally coated with a suitable coating material?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**
326. Question Result, ID, References **NA, TD.COAT.NEWPIPEINSTALL.R, 192.491(c) (192.461(c), 192.461(d), 192.461(e), 192.483(a), 192.9(f)(1), 192.452, 192.453, 192.491)**  
 Question Text *Do records document that acceptable external protective coating materials have been used and the application and inspection was done in accordance with the written procedures?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**
327. Question Result, ID, References **NA, TD.COAT.ASSESS.R, 192.491(c) (192.461(f), 192.461(g), 192.461(h), 192.461(i))**  
 Question Text *For onshore steel gas transmission pipelines with a continuous backfill length greater than or equal to 1000 feet, do records document an assessment for external coating damage promptly but no later than 6 months after the transmission line was backfilled?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**
328. Question Result, ID, References **NA, TD.COAT.ASSESS.O, 192.461(c)**

Question Text *For onshore steel gas transmission pipelines with a continuous backfill length greater than or equal to 1000 feet, do field observations confirm pipe protective coating is adequately surveyed promptly after backfilling?*

Assets Covered 88991 (1519)

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

## TD.CPEXPOSED: External Corrosion - Exposed Pipe

329. Question Result, ID, NA, TD.CPEXPOSED.EXPOSEINSPECT.R, 192.491(c) (192.459, 192.9(f)(1), 192.452, 192.453, 192.491)  
References

Question Text *Do records adequately document that exposed buried piping was examined for corrosion and deteriorated coating?*

Assets Covered 88991 (1519)

Result Notes No such activity/condition was observed during the inspection.

330. Question Result, ID, NA, TD.CPEXPOSED.EXPOSEINSPECT.O, 192.459  
References

Question Text *Is exposed buried piping examined for corrosion and deteriorated coating?*

Assets Covered 88991 (1519)

Result Notes No such activity/condition was observed during the inspection.

331. Question Result, ID, NA, TD.CPEXPOSED.EXTCORRODEEVAL.R, 192.491(c) (192.485(a), 192.485(b), 192.485(c), 192.9(f)(1),  
References 192.452, 192.453, 192.491, 192.712(b))

Question Text *Do records adequately document the evaluation of externally corroded pipe?*

Assets Covered 88991 (1519)

Result Notes No such activity/condition was observed during the inspection.

332. Question Result, ID, NA, TD.CPEXPOSED.EXTCORRODREPAIR.R, 192.491(c) (192.485(a), 192.485(b), 192.485(c),  
References 192.9(f)(1), 192.452, 192.453, 192.491)

Question Text *Do records document the repair or replacement of pipe that has been externally corroded to an extent that there is not sufficient remaining pipe wall strength?*

Assets Covered 88991 (1519)

Result Notes No such activity/condition was observed during the inspection.

## TD.ICCG: Internal Corrosion - Corrosive Gas

333. Question Result, ID, NA, TD.ICCG.CORRGAS.R, 192.491(c) (192.475, 192.9(f)(1), 192.452, 192.453, 192.491, 192.477,  
References 192.478(a), 192.478(b))

Question Text *Do records document the actions taken when corrosive gas is being transported by pipeline?*

Assets Covered 88991 (1519)

Result Notes No such activity/condition was observed during the inspection.

334. Question Result, ID, NA, TD.ICCG.CORRCONSTMONIT.R, 192.491(c) (192.478(a), 192.478(b)(1), 192.478(b)(2))  
References

Question Text *For onshore gas transmission, do operator records indicate monitoring the gas stream for corrosive constituents, effectively mitigating as necessary?*

Assets Covered 88991 (1519)

Result Notes No such activity/condition was observed during the inspection.

335. Question Result, ID, NA, TD.ICCG.GTEVAL.R, 192.491(c) (192.478(b)(3))  
References

Question Text *For onshore gas transmission pipelines, do records indicate the operator performed an internal corrosion management evaluation at least once per calendar year, not to exceed 15 months?*

Assets Covered 88991 (1519)

Result Notes No such activity/condition was observed during the inspection.

336. Question Result, ID, NA, TD.ICCG.CORRGASREVIEW.R, 192.491(c) (192.478(c))  
References

Question Text *For onshore gas transmission pipelines, has the operator conducted annual reviews of the internal corrosion monitoring and mitigation program as required?*

Assets Covered 88991 (1519)

Result Notes No such activity/condition was observed during the inspection.

## TD.ICP: Internal Corrosion - Preventive Measures

337. Question Result, ID, References NA, TD.ICP.EXAMINE.R, 192.491(c) (192.475(a), 192.475(b), 192.9(f)(1), 192.452, 192.453, 192.491)

Question Text *Do records document examination of removed pipe for evidence of internal corrosion?*

Assets Covered 88991 (1519)

Result Notes No such activity/condition was observed during the inspection.

338. Question Result, ID, References NA, TD.ICP.EXAMINE.O, 192.475(a) (192.475(b))

Question Text *Is removed pipe examined for evidence of internal corrosion?*

Assets Covered 88991 (1519)

Result Notes No such activity/condition was observed during the inspection.

339. Question Result, ID, References NA, TD.ICP.EVALUATE.R, 192.491(c) (192.9(f)(1), 192.452, 192.453, 192.485(a), 192.485(c), 192.491, 192.712(b))

Question Text *Do records document adequate evaluation of internally corroded pipe?*

Assets Covered 88991 (1519)

Result Notes No such activity/condition was observed during the inspection.

340. Question Result, ID, References NA, TD.ICP.REPAIRINT.R, 192.485(a) (192.485(b), 192.9(f)(1), 192.452, 192.453, 192.491)

Question Text *Do records document the repair or replacement of pipe that has been internally corroded to an extent that there is not sufficient remaining strength in the pipe wall?*

Assets Covered 88991 (1519)

Result Notes No such activity/condition was observed during the inspection.

## TQ.PROT9: OQ Protocol 9

341. Question Result, ID, References NA, TQ.PROT9.CORRECTION.O, 192.801(a) (192.809(a))

Question Text *Have potential issues identified by the OQ plan inspection process been corrected at the operational level?*

Assets Covered 88991 (1519)

Result Notes No such activity/condition was observed during the inspection.

342. Question Result, ID, References Sat, TQ.PROT9.TASKPERFORMANCE.O, 192.801(a) (192.809(a))

Question Text *Verify the qualified individuals performed the observed covered tasks in accordance with the operator's processes or operator approved contractor processes.*

Assets Covered 88991 (1519)

Result Notes Reviewed earlier in the OQ section.

343. Question Result, ID, References Sat, TQ.PROT9.QUALIFICATIONSTATUS.O, 192.801(a) (192.809(a))

Question Text *Verify the individuals performing the observed covered tasks are currently qualified to perform the covered tasks.*

Assets Covered 88991 (1519)

Result Notes Staff was able to verify review the qualification records and AOC recognition abilities of all personnel who performed covered tasks.

344. Question Result, ID, References Sat, TQ.PROT9.AOCRECOG.O, 192.801(a) (192.809(a))

Question Text *Verify the individuals performing covered tasks are cognizant of the AOCs that are applicable to the tasks observed.*

Assets Covered 88991 (1519)

Result Notes Staff was able to verify review the qualification records and AOC recognition abilities of all personnel who performed covered tasks.

345. Question Result, ID, References Sat, TQ.PROT9.VERIFYQUAL.O, 192.801(a) (192.809(a))

Question Text *Observe in the field (job site, local office, etc.) that the foreman/supervisor/manager has verified the qualification of the individual performing the task, that the qualification records are current, and ensure the personal identification of all individuals performing covered tasks are checked, prior to task performance.*

Assets Covered 88991 (1519)

Result Notes Staff was able to verify qualification of supervisors, crew foremen or other persons in charge of personnel who performed covered tasks.

## TQ.OQ: Operator Qualification

346. Question Result, ID, References Sat, TQ.OQ.OQCONTRACTOR.R, 192.807(a) (192.807(b))

Question Text *Are adequate records containing the required elements maintained for contractor personnel?*

Assets Covered 88991 (1519)

Result Notes Records are located in SP3 and forms.

347. Question Result, ID, References Sat, TQ.OQ.RECORDS.R, 192.807

Question Text *Do records document the evaluation and qualifications of individuals performing covered tasks, and can the qualification of individuals performing covered tasks be verified?*

Assets Covered 88991 (1519)

Result Notes Records are located in SP3 and forms.

348. Question Result, ID, References Sat, TQ.OQ.TRAINING.R, 192.807(a) (192.807(b))

Question Text *Does the operator have records for initial qualification, re-training and re-evaluation of individuals performing covered tasks?*

Assets Covered 88991 (1519)

Result Notes Reviewed EWN records for all qualified individuals for 2023-2025

349. Question Result, ID, References Sat, TQ.OQ.ABNORMAL.R, 192.807(a) (192.807(b), 192.803)

Question Text *Do records document evaluation of qualified individuals for recognition and reaction to AOCs?*

Assets Covered 88991 (1519)

Result Notes Reviewed EWN records for all qualified individuals for 2023-2025

## TQ.QU: Qualification of Personnel - Specific Requirements

350. Question Result, ID, References Sat, TQ.QU.CORROSION.R, 192.453 (192.807(a), 192.807(b))

Question Text *Do records indicate qualification of personnel implementing pipeline corrosion control methods?*

Assets Covered 88991 (1519)

Result Notes Reviewed Everline OQ personnel administering CP

351. Question Result, ID, References Sat, TQ.QU.EXCAVATE.R, 192.807(a) (192.807(b), ADB-2006-01, 192.801, 192.328)

Question Text *Do records indicate qualification of individuals who oversee marking, trenching, and backfilling operations?*

Assets Covered 88991 (1519)

Result Notes Reviewed Jonathan G. & Tim B. records 2024-2025

## TQ.QUOMCONST: Qualification of Personnel - Specific Requirements (O and M Construction)

352. Question Result, ID, References **NA, TQ.QUOMCONST.NDT.R, 192.243(b)(2) (192.807(a), 192.807(b), 192.328(a), 192.328(b))**  
 Question Text *Do records indicate the qualification of nondestructive testing personnel?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such activity/condition was observed during the inspection.**
353. Question Result, ID, References **NA, TQ.QUOMCONST.WELDER.R, 192.227(a) (192.227(b), 192.229(a), 192.229(b), 192.229(c), 192.229(d), 192.328(a), 192.328(b), 192.807(a), 192.807(b))**  
 Question Text *Do records indicate that welders are adequately qualified?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such activity/condition was observed during the inspection.**

## **TQ.TR: Training of Personnel**

354. Question Result, ID, References **Sat, TQ.TR.TRAINING.R, 192.615(b)(2) (192.807(a), 192.807(b))**  
 Question Text *Is training for emergency response personnel documented?*  
 Assets Covered **88991 (1519)**  
 Result Notes **Reviewed Emergency Response Drills 8/18/2023, 10/30/24**

## **DC.CO: Construction**

355. Question Result, ID, References **NA, DC.CCPROT.COATLOWER.R, 192.143(b) (192.461(c))** (also presented in: DC.CCPROT)  
 Question Text *Do records indicate that each pipe segment with external protective coating was inspected just prior to lowering into the ditch and backfilling, and any damage detrimental to effective corrosion control was repaired?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such activity/condition was observed during the inspection.**

## **DC.DPCOPP: Design of Pipe - Overpressure Protection**

356. Question Result, ID, References **Sat, MO.GM.TRAPSAFETY.P, 192.750 (192.605(b), 192.801, 192.805)** (also presented in: MO.GM)  
 Question Text *Do the procedures require all launchers and receivers to have adequate safety devices in accordance with 192.750 and to ensure the safety devices are working properly just prior to each use?*  
 Assets Covered **88991 (1519)**  
 Result Notes **Located in O&M Section 9.16 - Launcher & Receiver Safety**
357. Question Result, ID, References **NA, MO.GM.TRAPSAFETY.R, 192.750 (192.605(b), 192.801, 192.805)** (also presented in: MO.GM)  
 Question Text *Does the operator have records to demonstrate whether all launchers and receivers have safety devices that were utilized prior to each use?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such activity/condition was observed during the inspection.**  
  
**Cardinal launcher has not been used.**
358. Question Result, ID, References **Sat, MO.GM.TRAPSAFETY.O, 192.750 (192.605(b), 192.801, 192.805)** (also presented in: MO.GM)  
 Question Text *Do field observations confirm selected launchers and receivers have safety devices installed and whether the safety devices were inspected prior to each use?*  
 Assets Covered **88991 (1519)**  
 Result Notes **Staff verified there are vents, safety devices, and pressure relieving facilities as part of both launcher/receiver locations.**

## **DC.SPT: Spike Hydrotest**

359. Question Result, ID, **Sat, DC.PT.PRESSTESTENVIRON.P, 192.515(b) (192.629(a), 192.629(b))** (also presented in: DC.PT, References DC.PTLOWPRESS)  
 Question Text *Does the process require that, as applicable to the project, while conducting tests under Subpart J – Test Requirements, the test medium will be disposed of in a manner that will minimize damage to the environment?*  
 Assets Covered **88991 (1519)**  
 Result Notes **Located in O&M Section 7.2 - Personnel/Environmental Protection.**
360. Question Result, ID, **NA, DC.PT.PRESSTESTENVIRON.R, 192.515(b) (192.629(a), 192.629(b), 192.603(b))** (also presented in: References DC.PT, DC.PTLOWPRESS)  
 Question Text *Do records indicate while conducting tests under Subpart J – Test Requirements, the test medium disposal was conducted in a manner that minimized damage to the environment?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such activity/condition was observed during the inspection.**
361. Question Result, ID, **NA, DC.PT.PRESSTESTENVIRON.O, 192.515(b) (192.629(a), 192.629(b))** (also presented in: DC.PT, References DC.PTLOWPRESS)  
 Question Text *Do field observations confirm while conducting tests under Subpart J – Test Requirements, the test medium was disposed of in an environmentally sound manner?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such activity/condition was observed during the inspection.**
362. Question Result, ID, **Sat, DC.PT.PRESSTESTSAFETY.P, 192.515(a) (192.629(a), 192.629(b))** (also presented in: DC.PT, References DC.PTLOWPRESS)  
 Question Text *Does the process require that, as applicable to the project, while conducting tests under Subpart J – Test Requirements, every reasonable precaution is taken to protect its employees and the general public throughout the testing?*  
 Assets Covered **88991 (1519)**  
 Result Notes **Located in O&M Section 7.2 - Personnel/Environmental Protection.**
363. Question Result, ID, **NA, DC.PT.PRESSTESTSAFETY.R, 192.515(a) (192.629(a), 192.629(b))** (also presented in: DC.PT, References DC.PTLOWPRESS)  
 Question Text *Do records indicate while conducting tests under Subpart J – Test Requirements, every reasonable precaution was taken to protect its employees and the general public throughout the testing?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such activity/condition was observed during the inspection.**
364. Question Result, ID, **NA, DC.PT.PRESSTESTSAFETY.O, 192.515(a) (192.629(a), 192.629(b))** (also presented in: DC.PT, References DC.PTLOWPRESS)  
 Question Text *Do field observations confirm while conducting tests under Subpart J – Test Requirements, every reasonable precaution is taken to protect its employees and the general public throughout the testing?*  
 Assets Covered **88991 (1519)**  
 Result Notes **No such activity/condition was observed during the inspection.**
365. Question Result, ID, References **Sat, DC.PT.PRESSTESTRECORD.P, 192.517(a) (192.517(b))** (also presented in: DC.PT, DC.PTLOWPRESS)  
 Question Text *Does the process require that, as applicable to the project, creation and retention of a record of each Subpart J test for the required duration?*  
 Assets Covered **88991 (1519)**  
 Result Notes **Located in Section 4.8 - Hydrostatic Test Records**
366. Question Result, ID, References **Sat, DC.PT.PRESSTESTRECORD.R, 192.517(a) (192.517(b))** (also presented in: DC.PT, DC.PTLOWPRESS)  
 Question Text *Do records indicate creation and retention of a record for each Subpart J test performed for the required duration?*  
 Assets Covered **88991 (1519)**  
 Result Notes **Reviewed original 2006 Hydrostatic Test Record**

## **DC.PTLOWPRESS: Pressure Testing - Low Pressure**

367. Question Result, ID, **Sat, DC.PT.PRESSTEST.R, 192.503(a) (192.503(b), 192.503(c), 192.503(d), 192.503(e))** (also presented in: DC.PT) References in: DC.PT)

Question Text *Do records indicate that pressure testing is conducted in accordance with 192.503?*

Assets Covered 88991 (1519)

Result Notes Tested at 1820 psig for 8.5 hours.

368. Question Result, ID, NA, DC.PT.PRESSTEST.O, 192.503(a) (192.503(b), 192.503(c), 192.503(d), 192.503(e)) (also presented References in: DC.PT)

Question Text *Is pressure testing conducted in accordance with 192.503?*

Assets Covered 88991 (1519)

Result Notes No such activity/condition was observed during the inspection.

369. Question Result, ID, Sat, DC.PT.PRESSTESTENVIRON.P, 192.515(b) (192.629(a), 192.629(b)) (also presented in: DC.PT, References DC.SPT)

Question Text *Does the process require that, as applicable to the project, while conducting tests under Subpart J – Test Requirements, the test medium will be disposed of in a manner that will minimize damage to the environment?*

Assets Covered 88991 (1519)

Result Notes Located in O&M Section 7.2 - Personnel/Environmental Protection.

370. Question Result, ID, NA, DC.PT.PRESSTESTENVIRON.R, 192.515(b) (192.629(a), 192.629(b), 192.603(b)) (also presented in: References DC.PT, DC.SPT)

Question Text *Do records indicate while conducting tests under Subpart J – Test Requirements, the test medium disposal was conducted in a manner that minimized damage to the environment?*

Assets Covered 88991 (1519)

Result Notes No such activity/condition was observed during the inspection.

371. Question Result, ID, NA, DC.PT.PRESSTESTENVIRON.O, 192.515(b) (192.629(a), 192.629(b)) (also presented in: DC.PT, References DC.SPT)

Question Text *Do field observations confirm while conducting tests under Subpart J – Test Requirements, the test medium was disposed of in an environmentally sound manner?*

Assets Covered 88991 (1519)

Result Notes No such activity/condition was observed during the inspection.

372. Question Result, ID, Sat, DC.PT.PRESSTESTSAFETY.P, 192.515(a) (192.629(a), 192.629(b)) (also presented in: DC.PT, References DC.SPT)

Question Text *Does the process require that, as applicable to the project, while conducting tests under Subpart J – Test Requirements, every reasonable precaution is taken to protect its employees and the general public throughout the testing?*

Assets Covered 88991 (1519)

Result Notes Located in O&M Section 7.2 - Personnel/Environmental Protection.

373. Question Result, ID, NA, DC.PT.PRESSTESTSAFETY.R, 192.515(a) (192.629(a), 192.629(b)) (also presented in: DC.PT, References DC.SPT)

Question Text *Do records indicate while conducting tests under Subpart J – Test Requirements, every reasonable precaution was taken to protect its employees and the general public throughout the testing?*

Assets Covered 88991 (1519)

Result Notes No such activity/condition was observed during the inspection.

374. Question Result, ID, NA, DC.PT.PRESSTESTSAFETY.O, 192.515(a) (192.629(a), 192.629(b)) (also presented in: DC.PT, References DC.SPT)

Question Text *Do field observations confirm while conducting tests under Subpart J – Test Requirements, every reasonable precaution is taken to protect its employees and the general public throughout the testing?*

Assets Covered 88991 (1519)

Result Notes No such activity/condition was observed during the inspection.

375. Question Result, ID, Sat, DC.PT.PRESSTESTRECORD.P, 192.517(a) (192.517(b)) (also presented in: DC.PT, DC.SPT) References

Question Text *Does the process require that, as applicable to the project, creation and retention of a record of each Subpart J test for the required duration?*

Assets Covered 88991 (1519)

Result Notes Located in Section 4.8 - Hydrostatic Test Records

376. Question Result, ID, References **Sat, DC.PT.PRESSTESTRECORD.R, 192.517(a) (192.517(b))** (also presented in: DC.PT, DC.SPT)  
Question Text *Do records indicate creation and retention of a record for each Subpart J test performed for the required duration?*  
Assets Covered **88991 (1519)**  
Result Notes **Reviewed original 2006 Hydrostatic Test Record**

## MO.GOCLASS: Gas Pipeline Class Location

377. Question Result, ID, References **Sat, MO.GO.CONTSURVEILLANCE.P, 192.605(e) (192.613(a), 192.613(b), 192.703(b), 192.703(c))** (also presented in: MO.GO, PD.RW)  
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 **Located in O&M Section 8.3 - Continuing Surveillance**

378. Question Result, ID, References **Sat, MO.GO.CONTSURVEILLANCE.R, 192.709(c) (192.613(a), 192.613(b), 192.703(b), 192.703(c))** (also presented in: MO.GO, PD.RW)  
Question Text *Do records indicate performance of continuing surveillance of facilities as required, and also the reconditioning, phasing out, or MAOP reduction in any pipeline segment that was determined to be in unsatisfactory condition but on which no immediate hazard existed?*  
Assets Covered **88991 (1519)**  
Result Notes **Reviewed bi-annual all around compliance performance reviews for Jun-2023, Oct-2023, Apr-2024, Nov-2024 , May-2025,**

379. Question Result, ID, References **NA, MO.GO.CONTSURVEILLANCE.O, 192.613(a) (192.613(b), 192.703(a), 192.703(b), 192.703(c))** (also presented in: MO.GO, PD.RW)  
Question Text *Are unsatisfactory conditions being captured and addressed by continuing surveillance of facilities and the pipeline as required by 192.613?*  
Assets Covered **88991 (1519)**  
Result Notes **No such activity/condition was observed during the inspection.**

## MO.GO: Gas Pipeline Operations

380. Question Result, ID, References **NA, IM.QA.IMMOC.P, 192.911(k) (192.13(d), 192.909(a), 192.909(b))** (also presented in: IM.QA)  
Question Text *Is the process for management of changes that may impact pipeline integrity adequate?*  
Assets Covered **88991 (1519)**  
Result Notes **No such activity/condition was observed during the inspection.**

## MO.GMOPP: Gas Pipeline Overpressure Protection

381. Question Result, ID, References **Sat, MO.GM.RECORDS.P, 192.605(b)(1) (192.709(a), 192.709(b), 192.709(c))** (also presented in: MO.GM)  
Question Text *Does the process include a requirement that the operator maintain a record of each pipe/"other than pipe" repair, NDT required record, and (as required by subparts L or M) patrol, survey, inspection or test?*  
Assets Covered **88991 (1519)**  
Result Notes **Located in )&M Section 4.2 - Record Retention**

382. Question Result, ID, References **Sat, MO.GM.RECORDS.R, 192.605(b)(1) (192.243(f), 192.709(a), 192.709(b), 192.709(c))** (also presented in: MO.GM)  
Question Text *Do records indicate that records are maintained of each pipe/"other than pipe" repair, NDT required record, and (as required by subparts L or M) patrol, survey, inspection or test?*  
Assets Covered **88991 (1519)**  
Result Notes **Cardinal keeps records in Ignite & PipeSafe - Staff reviewed selected records from 2006 to present**

## PD.PA: Public Awareness

383. Question Result, ID, [Sat, EP.ERG.LIAISON.R, 192.603\(b\) \(192.615\(c\)\(1\), 192.615\(c\)\(2\), 192.615\(c\)\(3\), 192.615\(c\)\(4\), 192.616\(c\), 192.9\(d\), 192.9\(e\), ADB-2005-03\)](#) (also presented in: EP.ERG)  
Question Text *Do records indicate that liaison has been established and maintained with appropriate fire, police, other public officials, and 911 emergency call centers?*  
Assets Covered [88991 \(1519\)](#)  
Result Notes [Reviewed handout/packet, and contact log list, Emergency Response Drill roster, and MS Teams invite accepted list for online participants](#)

## PD.RW: ROW Markers, Patrols, Monitoring

384. Question Result, ID, [Sat, MO.GO.CONTSURVEILLANCE.P, 192.605\(e\) \(192.613\(a\), 192.613\(b\), 192.703\(b\), 192.703\(c\)\)](#) (also presented in: MO.GO, MO.GOCLASS)  
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 [Located in O&M Section 8.3 - Continuing Surveillance](#)
385. Question Result, ID, [Sat, MO.GO.CONTSURVEILLANCE.R, 192.709\(c\) \(192.613\(a\), 192.613\(b\), 192.703\(b\), 192.703\(c\)\)](#) (also presented in: MO.GO, MO.GOCLASS)  
Question Text *Do records indicate performance of continuing surveillance of facilities as required, and also the reconditioning, phasing out, or MAOP reduction in any pipeline segment that was determined to be in unsatisfactory condition but on which no immediate hazard existed?*  
Assets Covered [88991 \(1519\)](#)  
Result Notes [Reviewed bi-annual all around compliance performance reviews for Jun-2023, Oct-2023, Apr-2024, Nov-2024, May-2025,](#)
386. Question Result, ID, [NA, MO.GO.CONTSURVEILLANCE.O, 192.613\(a\) \(192.613\(b\), 192.703\(a\), 192.703\(b\), 192.703\(c\)\)](#) (also presented in: MO.GO, MO.GOCLASS)  
Question Text *Are unsatisfactory conditions being captured and addressed by continuing surveillance of facilities and the pipeline as required by 192.613?*  
Assets Covered [88991 \(1519\)](#)  
Result Notes [No such activity/condition was observed during the inspection.](#)
387. Question Result, ID, [Sat, MO.RW.LEAKRECORDS.P](#), (also presented in: MO.RW)  
Question Text *Does the operator have procedures to prepare and maintain gas leak records containing all information required by WAC 480-93-178?*  
Assets Covered [88991 \(1519\)](#)  
Result Notes [Located in O&M Leak Detection Section 7.12 - Gas Leak Records](#)

## TD.CPMONITOR: External Corrosion - CP Monitoring

388. Question Result, ID, [Sat, TD.CP.RECORDS.R, 192.491\(a\) \(192.491\(b\), 192.491\(c\), 192.9\(f\)\(1\), 192.452, 192.453\)](#) (also presented in: TD.CP, TD.CPEXPOSED)  
Question Text *Do records indicate the location of all corrosion control items listed in §192.491(a)?*  
Assets Covered [88991 \(1519\)](#)  
Result Notes [Reviewed CP Survey spreadsheet \(16 Test Stations\)](#)

## TD.CPEXPOSED: External Corrosion - Exposed Pipe

389. Question Result, ID, [Sat, TD.CP.RECORDS.R, 192.491\(a\) \(192.491\(b\), 192.491\(c\), 192.9\(f\)\(1\), 192.452, 192.453\)](#) (also presented in: TD.CP, TD.CPMONITOR)  
Question Text *Do records indicate the location of all corrosion control items listed in §192.491(a)?*  
Assets Covered [88991 \(1519\)](#)  
Result Notes [Reviewed CP Survey spreadsheet \(16 Test Stations\)](#)

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.