

# 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	8610 - Northwest Natural Gas - Transmission - Intr	Operator(s)	NORTHWEST NATURAL GAS CO (13840) Lead David Cullom	Plan Submitted	01/19/2023
Status	PLANNED	Observer(s)	Lex Vinsel, Anthony Dorrough, Derek Norwood, Scott Anderson, Tom Green	Plan Approval	01/19/2023 by Dennis Ritter
Start Year	2023	Supervisor	Dennis Ritter	All Activity Start	09/07/2023
System Type	GT	Director	Scott Rukke	All Activity End	09/22/2023
Protocol Set ID	WA.GT.2022.02			Inspection Submitted	--
				Inspection Approval	--

## Inspection Summary

### Inspection Scope and Summary

The Camas Feeder (P-04) MAOP is 400 psig at 26.2% SMYS. The line operates at around 370 psig and had been originally hydro tested to 850 psig in 1956. The materials used were 8.625" diameter ERW, Grade B, .188" WT, coal tar coated pipe. It is 3.56 miles in length and contains 1.8 miles of HCA and 0.85 miles of MCA. Integrity assessments performed in the past were a 2005 ECDA, a 2011 ECDA, and a 2016 ECDA. NW Natural plans to do an upcoming ILI run in November 2023 and is moving away from using EDCA as the primary assessment method. This was the most significant change since the last assessment. There will need to be some line modifications to be made to the line so it can be successfully evaluated using ILI technologies. This is the only pipeline in NW Natural's Washington State transmission system.

### Facilities visited and Total AFOD

This inspection consisted of 2 days of program plan and procedures review and 1 field day. The exit interview was conducted on September 22, 2023.

### Summary of Significant Findings

There were no probable violations or areas of concern

### Primary Operator contacts and/or participants

Samantha Rookstool - Compliance Specialist

Scott Lundgren - Integrity Management Supervisor

Ryan Truair - Compliance Supervisor

Lisa Sherer - Compliance Specialist

Additional participants detailed in the attached attendance form

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

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Report Filters: Results: all

Jon G. Huddleston

Vice President of Engineering and Utility Operations

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Additional Items

WA GT Protocol Set Directive: WUTC Standard Inspection Form D to be completed in QB

## Scope (Assets)

#	Short Name	Long Name	Asset Type	Asset IDs	Excluded Topics	Planned	Required	Total Inspected	Required % Complete
1.	88966 (1,879)	Northwest Natural-TRANSMISSION	unit	88966	Gas Storage Field (Aboveground) Offshore GOM OCS Cast or Ductile Iron Copper Pipe Aluminum/Amphoteric AMAOP Abandoned Compressor Stations Bottle/Pipe - Holders Service Line Plastic Pipe	153	153	153	100.0%

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

## Plans

#	Plan Assets	Focus Directives	Involved Groups/Subgroups	Qst Type(s)	Extent Notes
1.	88966 (1,879)	WUTC Standard Inspection	AR, CR, DC, EP, FS, IM, MO, PD, RPT, SRN, TD, TQ, UNGS, 114, GENERIC	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	Total Inspected	Required % Complete
1	Records and Field	--	09/07/2023	--		all planned questions	all assets	all types	153	153	153	100.0%

1. Since questions may be implemented in multiple activities, but answered only once, questions may be represented more than once in this table.

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

## Forms

No.	Entity	Form Name	Status	Date Completed	Activity Name	Asset
1.	Attendance List	Records and Field	COMPLETED	10/11/2023	Records and Field	88966 (1,879)

8610 - Northwest Natural Gas - Transmission - Intra

## Results (all values, 153 results)

176 (instead of 153) results are listed due to re-presentation of questions in more than one sub-group.

### AR.PTI: Integrity Assessment Via Pressure Test

1. 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 **88966 (1,879)**  
Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
2. 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 **88966 (1,879)**  
Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
3. 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 **88966 (1,879)**  
Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**

### AR.RMP: Repair Methods and Practices

4. Question Result, ID, References **NA, 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 **88966 (1,879)**  
Result Notes **No such activity/condition was observed during the inspection.**
5. Question Result, ID, References **NA, AR.RMP.WELDTTEST.O, 192.719(a) (192.719(b))**  
Question Text *Does the operator properly test replacement pipe and repairs made by welding on transmission lines?*  
Assets Covered **88966 (1,879)**  
Result Notes **No such activity/condition was observed during the inspection.**

### DC.CO: Construction

6. 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 **88966 (1,879)**  
Result Notes **No such relevant facilities/equipment existed in the scope of inspection review. No new casings for ILI upfit project.**
7. Question Result, ID, References **NA, DC.CO.REPAIR.R, 192.303 (192.309)**  
Question Text *Do records demonstrate that repairs to steel pipe are being made in accordance with §192.309?*  
Assets Covered **88966 (1,879)**  
Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**

## DC.WELDINSP: Construction Weld Inspection

8. Question Result, ID, References **Sat, DC.WELDINSP.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 **88966 (1,879)**  
Result Notes **Xrays were reviewed for the:**
- Lacamas Regional Station 400 MAOP to 250 HP
- Station 1-019-055-RS-02 SR 500 & SE Lake Rd, Camas, WA
- 1/5/2021 work date MPI Acuren by Daniel Hubbard MT exp 1/25/2022 NDT Level II qualifications requested and reviewed including visual acuity 11/11/2011.
- RT date was 1/15/21. Christopher Hatfield Level II RT Exp 12-12-2021 Eye exam 11/23/2021. I reviewed MPI and RT records. No rejected welds or welds requiring repair.
- 2020 and 2021 welder qualifications for Matthew Chames DOQ-16001 shows essential variables that were reviewed for the 6010/8010 and 7018H4R for 2021.
- As built was signed off in March 2021. 2020 records were shown for June 19,2020 for Low Hydrogen and 6010/8010 (both had the same dates) This is in the coaching report.
9. Question Result, ID, References **Sat, DC.WELDINSP.WELDNDT.R, 192.243**  
Question Text *Do records indicate that NDT and interpretation are in accordance with 192.243?*  
Assets Covered **88966 (1,879)**  
Result Notes **This was addressed in the previous question regarding qualifications. The number of NDT tests for this project were also suitable.**
10. Question Result, ID, References **NA, DC.WELDINSP.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 **88966 (1,879)**  
Result Notes **No repairs were noted in the projects reviewed. No such event occurred, or condition existed, in the scope of inspection review.**

## DC.WELDPROCEDURE: Construction Welding Procedures

11. Question Result, ID, References **Sat, 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 **88966 (1,879)**  
Result Notes **Welding procedures, all coupons, and test reports are in the submitted manuals.**
12. Question Result, ID, References **Sat, 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 **88966 (1,879)**  
Result Notes **Welder certs with qualification records**
- LaCamas Meter Station Rebuild - AS-built reviewed for 3-15-2021. 2020 and 2021 welder qualifications for Matthew Chames DOQ-16001 were reviewed. 2020 and 2021 welder qualifications for Matthew Chames DOQ-16001 shows essential variables that were reviewed for the 6010/8010 and 7018H4R for 2021. As built was signed off in March 2021. 2020 records were shown for June 19,2020 for Low Hy and 6010/8010 (both had the same dates) This is in the coaching report.

13. 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 **88966 (1,879)**  
Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**

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

14. 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 **88966 (1,879)**  
Documents Reviewed **1. -- -- -- Last 3 years capacity calculations**  
  
Result Notes **Relief and capacity calculations were reviewed for this unit. Records are in Sharepoint as well.**
15. Question Result, ID, References **NA, 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 **88966 (1,879)**  
Result Notes **No such activity/condition was observed during the inspection.**
16. Question Result, ID, References **Sat, 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 **88966 (1,879)**  
Result Notes **Records reviewed for the last 3 years. There were no issues.**
17. 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 **88966 (1,879)**  
Result Notes **Please see field notes for set points and as found readings. No issues.**
18. Question Result, ID, References **Sat, 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 **88966 (1,879)**  
Result Notes **Records reviewed for 2020-23 Clark County Reg-Relief Audit.pdfs, which are in SharePoint, and contain the Transmission reliefs.**
19. 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 **88966 (1,879)**  
Result Notes **Please see field notes for set points and as found readings. No issues.**
20. 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 **88966 (1,879)**  
Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**

## DC.DPC: Design of Pipe Components

21. Question Result, ID, References **Sat, DC.DPC.ILIPASS.R, 192.150 (192.150(a), 192.150(c))**  
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 **88966 (1,879)**  
Result Notes **The regional as-built references the engineering standards. Fittings removed plug valves from both sides of the Lacamas Lake crossing.**
22. Question Result, ID, References **Sat, 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 **88966 (1,879)**  
Result Notes **This line is 3.56 miles long and not in a class 4 location so it has adequate valve spacing.**
23. 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 **88966 (1,879)**  
Result Notes **No such activity/condition was observed during the inspection.**
24. Question Result, ID, References **Sat, DC.DPC.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 **88966 (1,879)**  
Result Notes **SPW 459 discusses the inspection for internal corrosion. No unnecessary sag bends are used and no drips needed. IC has not been noted on exposed pipe condition reports.**
25. Question Result, ID, References **Sat, DC.DPC.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 **88966 (1,879)**  
Result Notes **Observations during the DTC (crew) inspections and during the field portion of this inspection did not reveal any design issues that would increase internal corrosion.**
26. Question Result, ID, References **Sat, DC.DPC.CCPROTCOATLOWER.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 **88966 (1,879)**  
Result Notes **No "jeeping" records for this inspection time period.**
27. Question Result, ID, References **Sat, DC.DPC.CCELECTRICALISOL.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 **88966 (1,879)**  
Result Notes **Reviewed 3 years records. There were no isolation issues noted.**
28. Question Result, ID, References **Sat, DC.DPC.CCELECTRICALISOL.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 **88966 (1,879)**  
Result Notes **There were no issues during the field with shorted casings.**

## DC.MO: Maintenance and Operations

29. Question Result, ID, References **Sat, 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 **88966 (1,879)**  
 Result Notes **Pipeline inspection report reviewed for Everett St 2/23/2021 conducted by Paul Nannini.**
30. 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 **88966 (1,879)**  
 Result Notes **No such activity/condition was observed during the inspection.**
31. 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 **88966 (1,879)**  
 Result Notes **No such activity/condition was observed during the inspection.**
32. Question Result, ID, References **Sat, 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 **88966 (1,879)**  
 Result Notes **Reviewed as-built as submitted to the GIS for Lacamas Regional Station. 6/10/2021 it was in the GIS. Station work was completed on 3/15/2021.**

## DC.PT: Pressure Testing

33. Question Result, ID, References **Sat, DC.PT.PRESSTEST.R, 192.503(a) (192.503(b), 192.503(c), 192.503(d), 192.503(e))** (also presented in: DC.PTLOWPRESS)  
 Question Text *Do records indicate that pressure testing is conducted in accordance with 192.503?*  
 Assets Covered **88966 (1,879)**  
 Result Notes **3007 NE Everett Station Rebuild 8 hours #Test ID 2535 Max TP 1100 Min TP 638 Pressure chart calibrations ID#11190625 Test date 1-4-21 Cal exp August 4 2021. Operating MAOP 400 psig. Certified to a 425 psig MAOP. Test# 2536**
34. Question Result, ID, References **NA, DC.PT.PRESSTEST.O, 192.503(a) (192.503(b), 192.503(c), 192.503(d), 192.503(e))** (also presented in: DC.PTLOWPRESS)  
 Question Text *Is pressure testing conducted in accordance with 192.503?*  
 Assets Covered **88966 (1,879)**  
 Result Notes **No such activity/condition was observed during the inspection.**
35. Question Result, ID, References **NA, DC.PT.PRESSTESTHIGHSTRESS.R, 192.505(a) (192.143(a), 192.517(a), 192.505(b), 192.505(c), 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 **88966 (1,879)**  
 Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**
36. Question Result, ID, References **NA, DC.PT.PRESSTESTHIGHSTRESS.O, 192.505(a) (192.143(a), 192.505(b), 192.505(c), 192.505(d), 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 **88966 (1,879)**  
 Result Notes **No such activity/condition was observed during the inspection.**
37. Question Result, ID, References **Sat, DC.PT.PRESSTESTENVIRON.R, 192.515(b) (192.629(a), 192.629(b))** (also presented in: 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 88966 (1,879)

Result Notes For example, the procedure for discharge in Environmental Operating requirements <500 gallons. For example for pressure test #2535, 156 gallons was discharged.

38. 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 88966 (1,879)

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

39. 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 88966 (1,879)

Result Notes No such event occurred, or condition existed, in the scope of inspection review. Max TP 28.3% of SYMS for the work done on the Everett Station.

40. 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 88966 (1,879)

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

41. 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 88966 (1,879)

Result Notes 3007 NE Everett Station Rebuild 8 hours #Test ID 2535 Max TP 1100 Min TP 638 Pressure chart calibrations ID#11190625 Test date 1-4-21 Cal exp August 4 2021. Operating MAOP 400 psig Certified to a MAOP of 425 psig Test# 2536

42. Question Result, ID, Sat, DC.PT.EQUIPMENTCALIBRATION.R, References

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 88966 (1,879)

Result Notes Everett Station Rebuild - Test ID #2535 - Pressure chart calibrations ID#11190625 Test date 1-4-21 Calibration expires August 4 2021

## DC.PTLOWPRESS: Pressure Testing - Low Pressure

43. Question Result, ID, Sat, DC.PTLOWPRESS.PRESSTESTLOWSTRESS.R, 192.507 (192.505, 192.515, 192.517, ANSI/GPTC References 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 88966 (1,879)

Result Notes 3007 NE Everett Station Rebuild 8 hours #Test ID 2535 Max TP 1100 Min TP 638 Pressure chart calibrations ID#11190625 Test date 1-4-21 Cal exp August 4 2021. Operating MAOP 400 psig. Certified to a 425 psig MAOP. Test# 2536

44. Question Result, ID, NA, DC.PTLOWPRESS.PRESSTESTLOWSTRESS.O, 192.507 (192.505, 192.515, ANSI/GPTC Z380.1-2018 References 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 88966 (1,879)

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



45. Question Result, ID, References **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 **88966 (1,879)**  
 Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**
46. Question Result, ID, References **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 **88966 (1,879)**  
 Result Notes **No such activity/condition was observed during the inspection.**

## DC.TQ: Training and Qualification

47. Question Result, ID, References **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 **88966 (1,879)**  
 Result Notes **This is done for OQ. Paul Nannini AOCs are a covered task on their own. QA inspection by James Gregor performed as well on the Lacamas Station rebuild on 1/20/31 and 1/13/21.**
48. Question Result, ID, References **Sat, DC.TQ.RECORDS.R, 192.807(a) (Operators OQ program manual)**  
 Question Text *Are qualification records maintained for operator personnel?*  
 Assets Covered **88966 (1,879)**  
 Result Notes **Reviewed Paul Nanninis OQs and also during a DTC inspection of Mike Morgan and Nate Dobson.**

## EP.ERG: Emergency Response

49. Question Result, ID, References **Sat, EP.ERG.REVIEW.R, 192.605(a)**  
 Question Text *Have annual reviews been conducted of the emergency plans and procedures as required, and any updates completed as appropriate?*  
 Assets Covered **88966 (1,879)**  
 Result Notes **The ERP are reviewed every year. 2023 update reviewed and the change log for the last 3 years was reviewed.**
50. Question Result, ID, References **Sat, EP.ERG.LOCATION.O, 192.615(b)(1)**  
 Question Text *Are supervisors provided the applicable portions of the emergency plan and procedures?*  
 Assets Covered **88966 (1,879)**  
 Result Notes **Supervisors have copies of the EP&P with them in the field.**
51. Question Result, ID, References **NA, EP.ERG.POSTEVNTREVIEW.R, 192.605(a) (192.615(b)(1), 192.615(b)(3))**  
 Question Text *Do records indicate review of employee activities to determine whether the procedures were effectively followed in each emergency?*  
 Assets Covered **88966 (1,879)**  
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
52. Question Result, ID, References **Sat, EP.ERG.LIAISON.R, 192.605(a) (192.615(c)(1), 192.615(c)(2), 192.615(c)(3), 192.615(c)(4), 192.616(c), ADB-05-03) (also presented in: PD.PA)**  
 Question Text *Do records indicate that liaison has been established and maintained with appropriate fire, police, public officials, and utility owners?*  
 Assets Covered **88966 (1,879)**  
 Result Notes **This was reviewed in The Dalles and then filtered to review liaison records for this localized area.**

## FS.FG: Facilities General

53. Question Result, ID, **NA**, FS.FG.VAULTINSPECT.R, 192.709(c) (192.749(a), 192.749(b), 192.749(c), 192.749(d)) (also References presented in: MO.GM)  
Question Text *Do records document the adequacy of inspections of all vaults having an internal volume =200 cubic feet (5.66 cubic meters) that house pressure regulating/limiting equipment?*  
Assets Covered **88966 (1,879)**  
Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**

## MO.GC: Conversion to Service

54. Question Result, ID, **NA**, MO.GC.CONVERSION.R, 192.14(a) (192.14(b), 192.14(c))  
References  
Question Text *Do records indicate the process was followed for converting any pipelines into Part 192 service?*  
Assets Covered **88966 (1,879)**  
Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**

## MO.GOABNORMAL: Gas Pipeline Abnormal Operations

55. Question Result, ID, **NA**, MO.GOABNORMAL.ABNORMAL.R, 192.605(a) (192.605(c)(1))  
References  
Question Text *Did personnel respond to indications of abnormal operations as required by the process?*  
Assets Covered **88966 (1,879)**  
Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
56. Question Result, ID, **Sat**, MO.GOABNORMAL.ABNORMALREVIEW.R, 192.605(a) (192.605(c)(4))  
References  
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 **88966 (1,879)**  
Result Notes **This was addressed previously and is accomplished during QA inspections.**

## MO.GOCLASS: Gas Pipeline Class Location

57. Question Result, ID, **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))  
References  
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 **88966 (1,879)**  
Result Notes **These are done every 3 years. The last one was performed in 2020. The next one will be conducted this fall. The SPs and FOMs have tasks for patrols and leakage and they check to see if the study needs to be initiated between those intervals.**

## MO.GOMAOP: Gas Pipeline MAOP

58. Question Result, ID, **Sat**, MO.GOMAOP.MAOPDETERMINE.R, 192.709(c) (192.619(a), 192.619(b), 192.619(f), 192.517)  
References  
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 **88966 (1,879)**  
Result Notes **Original hydrotests are available and have been reviewed in prior inspections.**

## MO.GM: Gas Pipeline Maintenance

59. Question Result, ID, **Sat**, MO.GM.RECORDS.R, 192.605(b)(1) (192.243(f), 192.709(a), 192.709(b), 192.709(c)) (also References 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 88966 (1,879)

Result Notes Records are available for the life of the pipe. No pipeline repairs within the timeframe of this inspection.

60. Question Result, ID, References Sat, 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 88966 (1,879)

Result Notes QA inspection forms were reviewed and they contain entries for minimizing accidental ignition.

61. 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 88966 (1,879)

Result Notes Records checked for past 3-4 years and no issues noted.

NWN ID: 1-019-055-L-08 8" PLUG VALVE

15WCL SE Everett & 153S of 35th, Camas

4/7/2023 Mark McClelland

3/3/2022 Joe Reynosa

2/10/2021 Joe Reynosa

1/22/2020 Joe Reynosa

NWN ID: 1-019-055-L-09 8" PLUG VALVE

15WCL SE EVERETT & 390S, Camas

3/27/2023 Mark McClelland

3/10/2022 Joe Reynosa

3/3/2021 Joe Reynosa

1/22/2020 Joe Reynosa

62. Question Result, ID, References Sat, 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 88966 (1,879)

Result Notes There were no issues. Details available in the attached Form R.

## MO.GOODOR: Gas Pipeline Odorization

63. 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 88966 (1,879)

Result Notes 2020-2023 records reviewed and are available in the attachments.

64. 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 **88966 (1,879)**  
 Result Notes **I observed several odorant readings in the field and they were readily detectable within the limits of 1/5 the LEL (5% gas/air) for this operator.**

## MO.GO: Gas Pipeline Operations

65. Question Result, ID, References **NA, MO.GO.CONTSURVEILLANCE.R, 192.709(c) (192.613(a), 192.613(b), 192.703(b), 192.703(c))** (also presented in: 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 **88966 (1,879)**  
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
66. 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.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 **88966 (1,879)**  
 Result Notes **No such activity/condition was observed during the inspection.**
67. 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 **88966 (1,879)**  
 Result Notes **Annual manual reviews were checked for 2020-2023 during this inspection cycle.**
68. 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 **88966 (1,879)**  
 Result Notes **QA inspections are conducted by the operator throughout the year and this includes contractor performance reviews. For example, Paul Nannini reviewed work for the Lacamas Station rebuild.**
69. 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 **88966 (1,879)**  
 Result Notes **These manuals and records are contained on employee's trucks along with access to the IQGeo GIS system.**
70. 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 **88966 (1,879)**  
 Result Notes **These manuals and records are contained on employee's trucks along with access to the IQGeo GIS system.**
71. 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 **88966 (1,879)**

Result Notes These manuals and records are contained on employee's trucks along with access to the IQGeo GIS system.

72. 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 88966 (1,879)  
Result Notes No such event occurred, or condition existed, in the scope of inspection review.

## MO.GMOPP: Gas Pipeline Overpressure Protection

73. Question Result, ID, References Sat, 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 88966 (1,879)  
Result Notes Both records for NWN and the Williams OPP records for reviewed for 2020 to 2023.
74. 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 88966 (1,879)  
Result Notes Both records for NWN and the Williams OPP records for reviewed for 2020 to 2023.
75. 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 88966 (1,879)  
Result Notes There were no issues. Please see the attached Form "R" for details of assets reviewed.

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

76. Question Result, ID, References Sat, MO.RW.PATROL.R, 192.709(c) (192.705(a), 192.705(b), 192.705(c)) (also presented in: PD.RW)  
Question Text Do records indicate that ROW surface conditions have been patrolled as required?  
Assets Covered 88966 (1,879)  
Result Notes Patrols were reviewed that included ROW and assets:  
  
NWN WUTC Transmission Patrolling Inspections Crossings 2020-2023  
  
NWN WUTC Transmission Patrolling Inspections 2020-2023  
  
NWN WUTC Transmission Bridgeline Inspections 2020-2023
77. Question Result, ID, References Sat, MO.RW.ROWMARKER.O, 192.707(a) (192.707(b), 192.707(c), 192.707(d)) (also presented in: PD.RW)  
Question Text Are line markers placed and maintained as required?  
Assets Covered 88966 (1,879)  
Result Notes No issues with markers noted in the field portion or records review.
78. Question Result, ID, References Sat, MO.RW.ROWCONDITION.O, 192.705(a) (192.705(c)) (also presented in: PD.RW)  
Question Text Are the ROW conditions acceptable for the type of patrolling used?  
Assets Covered 88966 (1,879)  
Result Notes ROW conditions are suitable for walking patrols.

79. 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 **88966 (1,879)**  
 Result Notes **Records were suitable and attached to this inspection. Marker surveys are contained in:**  
**NWN WUTC Transmission Patrolling Inspections 2020-2023**
80. Question Result, ID, References **Sat, MO.RW.LEAKAGE.R, 192.709(c) (192.706, 192.706(a), 192.706(b), 192.935(d))**  
 Question Text *Do records indicate leakage surveys conducted as required?*  
 Assets Covered **88966 (1,879)**  
 Result Notes **Records were reviewed for:**  
**NWN WUTC Transmission Main Survey Annual Inspections 2020-2023**
81. Question Result, ID, References **NA, MO.RW.CASINGLEAKSURVEY.R,**  
 Question Text *Do records indicate shorted casings were leak surveyed as required?*  
 Assets Covered **88966 (1,879)**  
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
82. 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 **88966 (1,879)**  
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review. For the round about job on .....NWN had company personnel on site.**
83. 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 **88966 (1,879)**  
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
84. 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 **88966 (1,879)**  
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
85. 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 **88966 (1,879)**  
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
86. 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 **88966 (1,879)**  
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
87. Question Result, ID, References **NA, MO.RW.LEAKRECORDS.R,**  
 Question Text *Have gas leak records been prepared and maintained as required?*  
 Assets Covered **88966 (1,879)**

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

88. 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 88966 (1,879)  
Result Notes 9/8/2021 01-Trans Leak Survey - WA Sherry Tubbs MOBILE 8211934006, 9101937012 Completed by Erick Tobias  
  
w/Heath 8211934006 Self Test on 9/8/2021 PASS  
  
DPIR 9101937012 Self Test on 9/8/2021 was requested and provided. Passed

## PD.DP: Damage Prevention

89. Question Result, ID, References Sat, PD.DP.ONECALL.O, 192.614(c)(3)  
Question Text *Observe operator process a "One Call" ticket.*  
Assets Covered 88966 (1,879)  
Result Notes This processing and locating was reviewed during the 2023 The Dalles/Gorge inspection. I watched a locate being performed after it was processed by HQ and sent to the local district to hand off to the locating contractor for completion. The same process and personnel are used for this inspection unit.
90. Question Result, ID, References Sat, PD.DP.PDPROGRAM.R, 192.614(c)  
Question Text *Does the damage prevention program meet minimum requirements specified in 192.614(c)?*  
Assets Covered 88966 (1,879)  
Result Notes SP 605 DP and SP 615 procedures. No damages - No records.  
  
There is a separate mailer that is sent out annually to stakeholder groups. Last two mailer dates mailing lists requested and reviewed for last two cycles. There was 4 additional addresses added in 2022 that were not on the 2021 list.
91. 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 88966 (1,879)  
Result Notes I reviewed the patrol records for the last 3 years that showed that excavation damage and encroachments are being checked.
92. 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 88966 (1,879)  
Result Notes No such event occurred, or condition existed, in the scope of inspection review.
93. 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 88966 (1,879)  
Result Notes No such event occurred, or condition existed, in the scope of inspection review.

## PD.PA: Public Awareness

94. 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 88966 (1,879)

Result Notes Social media campaign brochures reviewed. The General safety brochure is several languages which goes out to every customer.

## PD.SP: Special Permits

95. 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 88966 (1,879)

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

## RPT.NR: Notices and Reporting

96. 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 88966 (1,879)

Result Notes The emergency contacts are sent to the Commission annually. The Camas list was reviewed and it appears up to date.

97. 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 88966 (1,879)

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

98. 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 88966 (1,879)

Result Notes No such event occurred, or condition existed, in the scope of inspection review. N/A for this inspection time period.

99. 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 88966 (1,879)

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

## RPT.RR: Regulatory Reporting (Traditional)

100. Question Result, ID, References Sat, RPT.RR.ANNUALREPORT.R, 191.17(a)

Question Text *Have complete and accurate Annual Reports utilizing the most recent form F 7 100.2-1 been submitted?*

Assets Covered 88966 (1,879)

Result Notes Annual reports were submitted and reviewed.

101. 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 88966 (1,879)

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

102. Question Result, ID, References NA, RPT.RR.IMMEDREPORT.R, 191.5(a) (191.7(a))

Question Text *Do records indicate immediate notifications of incidents were made in accordance with 191.5?*

Assets Covered 88966 (1,879)

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

103. Question Result, ID, References NA, RPT.RR.INCIDENTREPORT.R, 191.15(a) (192.624(a)(1), 192.624(a)(2))

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 88966 (1,879)

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

104. Question Result, ID, References NA, RPT.RR.INCIDENTREPORTSUPP.R, 191.15(d)

Question Text *Do records indicate accurate supplemental incident reports were filed and within the required timeframe using the most recent Form?*

Assets Covered 88966 (1,879)

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

105. 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 88966 (1,879)

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

106. Question Result, ID, References NA, RPT.RR.SRCR.R, 191.23(a) (191.23(b), 191.25(a), 191.25(b), 191.25(c))

Question Text *Do records indicate Safety-Related Condition Reports were filed as required?*

Assets Covered 88966 (1,879)

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

107. 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 88966 (1,879)

Result Notes 2022 Submitted 2/27/23 and 2021 submitted 2/22/22

108. 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 88966 (1,879)

Result Notes 2022 records were sent . 2021 records were sent. 2023 records reviewed.

109. Question Result, ID, References Sat, RPT.RR.OPID.R, 191.22(a) (191.22(c), 191.22(d))

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 88966 (1,879)

Result Notes An OPID has been obtained by this operator.

110. 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 **88966 (1,879)**  
Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**

## **TD.ATM: Atmospheric Corrosion**

111. Question Result, ID, References **Sat, TD.ATM.ATMCORRODE.R, 192.491(c) (192.479(a), 192.479(b), 192.479(c))**  
Question Text *Do records document the protection of above ground pipe from atmospheric corrosion?*  
Assets Covered **88966 (1,879)**  
Result Notes **Records reviewed for the Lacamas Station rebuild during this inspection time period indicated suitable coating was applied.**
112. Question Result, ID, References **Sat, TD.ATM.ATMCORRODEINSR.R, 192.491(c) (192.481(a), 192.481(b), 192.481(c), 192.481(d))**  
Question Text *Do records document inspection of aboveground pipe for atmospheric corrosion?*  
Assets Covered **88966 (1,879)**  
Result Notes **No issues. NWN WUTC Transmission Regional Station Inspections 2020-2023 were reviewed and contain atmospheric corrosion inspection information.**
113. Question Result, ID, References **Sat, TD.ATM.ATMCORRODEINSR.O, 192.481(b) (192.481(c), 192.479(a), 192.479(b), 192.479(c), 192.481(d))**  
Question Text *Is pipe that is exposed to atmospheric corrosion protected?*  
Assets Covered **88966 (1,879)**  
Result Notes **Coating and SAI (Soil to Air Interface) was suitable.**

## **TD.CPMONITOR: External Corrosion - CP Monitoring**

114. Question Result, ID, References **Sat, TD.CPMONITOR.MONITORCRITERIA.R, 192.491(c) (192.463(a))**  
Question Text *Do records document that the CP monitoring criteria used was acceptable?*  
Assets Covered **88966 (1,879)**  
Result Notes **CP criteria was suitable. Isolation criteria is 200mV. IR drop was discussed with the operator after reviewing the report. (Off) readings were taken in the field and there were no low readings or low carrier/casing isolation readings. Records are: NWN WUTC Transmission Casing Inspections 2020-2023 (contains carrier readings as well)**
115. 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 **88966 (1,879)**  
Result Notes **Readings in the field used "Instant Offs" to show the -850mV polarized potentials. No issues with any low readings. See the attached Form R for more detail.**
116. Question Result, ID, References **Sat, TD.CPMONITOR.TEST.R, 192.491(c) (192.465(a))**  
Question Text *Do records adequately document cathodic protection monitoring tests have occurred as required?*  
Assets Covered **88966 (1,879)**  
Result Notes **Test did not exceed the required intervals.**
117. Question Result, ID, References **Sat, TD.CPMONITOR.CURRENTTEST.R, 192.491(c) (192.465(b))**  
Question Text *Do records document details of electrical checks of sources of rectifiers or other impressed current sources?*  
Assets Covered **88966 (1,879)**

Result Notes Rectifier inspection dates are in the attached NWN WUTC Transmission Rectifier Inspections 2020-2023. No issues or exceedances.

118. Question Result, ID, References Sat, TD.CPMONITOR.CURRENTTEST.O, 192.465(b)  
Question Text *Are impressed current sources properly maintained and are they functioning properly?*  
Assets Covered 88966 (1,879)  
Result Notes Rectifiers were working properly. See the attached Form R for more detail.
119. Question Result, ID, References NA, TD.CPMONITOR.REVCURRENTTEST.R, 192.491(c) (192.465(c))  
Question Text *Do records document details of electrical checks interference bonds, diodes, and reverse current switches?*  
Assets Covered 88966 (1,879)  
Result Notes No such relevant facilities/equipment existed in the scope of inspection review.
120. 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 88966 (1,879)  
Result Notes No such relevant facilities/equipment existed in the scope of inspection review.
121. Question Result, ID, References Sat, TD.CPMONITOR.DEFICIENCY.R, 192.491(c) (192.465(d))  
Question Text *Do records adequately document actions taken to correct any identified deficiencies in corrosion control?*  
Assets Covered 88966 (1,879)  
Result Notes Broken test leads at the Camas Gate Station in 2020 WO #3611149 4/17/2020 Completed 5/4/2020 A Corrosion Problem Report was reviewed.
122. Question Result, ID, References Sat, TD.CPMONITOR.TESTSTATION.R, 192.469  
Question Text *Do records identify the location of test stations and show a sufficient number of test stations?*  
Assets Covered 88966 (1,879)  
Result Notes Casings are where the test stations are located.
123. Question Result, ID, References Sat, TD.CPMONITOR.TESTLEAD.R, 192.491(c) (192.471(a), 192.471(b), 192.471(c))  
Question Text *Do records document that pipelines with cathodic protection have electrical test leads installed in accordance with requirements of Subpart I?*  
Assets Covered 88966 (1,879)  
Result Notes See previous question discussing broken test leads and repairs in TD.CPMONITOR.DEFICIENCY.R
124. Question Result, ID, References NA, TD.CPMONITOR.INTFRCURRENT.R, 192.491(c) (192.473(a))  
Question Text *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 88966 (1,879)  
Result Notes No such event occurred, or condition existed, in the scope of inspection review.

## TD.CP: External Corrosion - Cathodic Protection

125. 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))  
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 88966 (1,879)  
Result Notes The pipeline has had CP on it before the 1970 compliance date.

126. 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 **88966 (1,879)**  
 Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**
127. Question Result, ID, References **NA, TD.CP.UNPROTECT.R, 192.491(c) (192.465(e))**  
 Question Text *Do records adequately document the re-evaluation of non-cathodically protected buried pipelines for areas of active corrosion?*  
 Assets Covered **88966 (1,879)**  
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
128. Question Result, ID, References **Sat, TD.CP.ELECISOLATE.R, 192.491(c) (192.467(a), 192.467(b), 192.467(c), 192.467(d), 192.467(e))**  
 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 **88966 (1,879)**  
 Result Notes **Isolation was previously discussed, but it is recorded in this document. NWN WUTC Transmission Casing Inspections 2020-2023.pdf (attached)**
129. Question Result, ID, References **Sat, 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 **88966 (1,879)**  
 Result Notes **There were no issues with isolation. See the attached Form R for more detail.**
130. Question Result, ID, References **Sat, 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 **88966 (1,879)**  
 Result Notes **No issues - It is recorded in this document. NWN WUTC Transmission Casing Inspections 2020-2023.pdf (attached)**
131. Question Result, ID, References **Sat, TD.CP.CASINGINSPECT.O,**  
 Question Text *Are casings electrically isolated from the pipeline?*  
 Assets Covered **88966 (1,879)**  
 Result Notes **See the attached Form R for more detail.**
132. Question Result, ID, References **Sat, TD.CP.RECORDS.R, 192.491(a) (192.491(b), 192.491(c)) (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 **88966 (1,879)**  
 Result Notes **This is in tabular form and in IQGeo. (GIS)**

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

133. Question Result, ID, References **Sat, TD.COAT.NEWPIPE.R, 192.491(c) (192.455(a)(1), 192.461(a), 192.461(b), 192.483(a))**  
 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 **88966 (1,879)**  
 Result Notes **Coating is suitable for underground service.**

## TD.CPEXPOSED: External Corrosion - Exposed Pipe

134. Question Result, ID, References **Sat**, TD.CPEXPOSED.EXPOSEINSPECT.R, 192.491(c) (192.459)  
Question Text *Do records adequately document that exposed buried piping was examined for corrosion and deteriorated coating?*  
Assets Covered **88966 (1,879)**  
Result Notes **The only documents, EPCRs for the Lacamas Regional Station, were reviewed.**
135. Question Result, ID, References **NA**, TD.CPEXPOSED.EXPOSEINSPECT.O, 192.459  
Question Text *Is exposed buried piping examined for corrosion and deteriorated coating?*  
Assets Covered **88966 (1,879)**  
Result Notes **No such activity/condition was observed during the inspection.**
136. Question Result, ID, References **NA**, TD.CPEXPOSED.EXTCORRODREPAIR.R, 192.491(c) (192.485(a), 192.485(b), 192.485(c))  
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 **88966 (1,879)**  
Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**

## TD.ICP: Internal Corrosion - Preventive Measures

137. Question Result, ID, References **Sat**, TD.ICP.EXAMINE.R, 192.491(c) (192.475(a), 192.475(b))  
Question Text *Do records document examination of removed pipe for evidence of internal corrosion?*  
Assets Covered **88966 (1,879)**  
Result Notes **This was on the Paul Nannini job for the LRS (Lacamas Regional Station)**
138. 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 **88966 (1,879)**  
Result Notes **No such activity/condition was observed during the inspection.**
139. Question Result, ID, References **NA**, TD.ICP.EVALUATE.R, 192.491(c) (192.485(c))  
Question Text *Do records document adequate evaluation of internally corroded pipe?*  
Assets Covered **88966 (1,879)**  
Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
140. Question Result, ID, References **NA**, TD.ICP.REPAIRINT.R, 192.485(a) (192.485(b))  
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 **88966 (1,879)**  
Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**

## TQ.PROT9: OQ Protocol 9

141. 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 **88966 (1,879)**  
Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
142. 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 88966 (1,879)

Result Notes No task performance issues were noted in the field.

143. 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 88966 (1,879)

Result Notes Caesar Marroquin DOQ-80004 Inspect and Test Regulators exp 6/29/2024 DOQ-80401 Inspect and Test Reliefs exp 6/29/2024

Andrew Mogil DOQ-80004 Inspect and Test Regulators exp 6/26/2024 DOQ-80401 Inspect and Test Reliefs exp 6/26/2024

0-1000 psig gauge serial #1205 Exp 1/26/2024

0-300 psig gauge serial #S180222005-01-02 Exp 1/26/2024

0-600 psig gauge serial #S14078006-05-02 Exp 1/26/2024

144. 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 88966 (1,879)

Result Notes This was done via discussion in the field with operator staff and they were aware of AOCs.

145. 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 88966 (1,879)

Result Notes Supervisor's provided OQ records and reviewed them with the UTC inspection team prior to work being performed.

## TQ.OQ: Operator Qualification

146. 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 88966 (1,879)

Result Notes 9/8/2021 01-Trans Leak Survey - WA Sherry Tubbs MOBILE 8211934006, 9101937012 Completed by

Erick Tobias w/Heath 8211934006 Self Test on 9/8/2021 PASS

Clayton Frisby 10.3.22 OQ records provided and reviewed

147. 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 88966 (1,879)

Result Notes CP readings taken by:

John Goebel

DOQ-20001 Exp 11-6-24

DOQ-20101 Exp 11-6-24

DOQ-20102 Exp 11-6-24

(Rectifier checks, PSP readings, Electrical Isolation)

Logan Whitmore OQ

DOQ-83001 Inspect and maintain valves. Exp 11/06/23

Keith Perkins OQ

DOQ-12001 Patrol Bridge Crossings Exp 11/7/23

Caeser Marroquin DOQ-80004 Inspect and Test Regulators exp 6/29/2024

DOQ-80401 Inspect and Test Reliefs exp 6/29/2024

Andrew Mogil DOQ-80004 Inspect and Test Regulators exp 6/26/2024

DOQ-80401 Inspect and Test Reliefs exp 6/26/2024

Michael Frilot OQ

DOQ-70001 Odorant Sampling exp 5/31/2024

148. 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 88966 (1,879)

Result Notes 12/2/2022 Joel Shelton DOQ-12001 Patrolling exp 5/10/2024 (3 year requal) Except AOCs annual.

- OQ Records checked
  - Erick Tobias 9.8.20 & 9.8.21
  - Chuck Tuell 3.20.20
  - Mark Barnes 6.15.20
  - Clayton Frisby 10.3.22

149. 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 88966 (1,879)

Result Notes AOCs are in the task list for multiple task types in the OQ program and checked in the field and in the OQ records provided in the previous question for:

12/2/2022 Joel Shelton DOQ-12001 Patrolling exp 5/10/2024 (3 year requal) Except AOCs annual.

- OQ Records checked
  - Erick Tobias 9.8.20 & 9.8.21
  - Chuck Tuell 3.20.20
  - Mark Barnes 6.15.20
  - Clayton Frisby 10.3.22

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

150. 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 88966 (1,879)  
Result Notes NACE II certifications reviewed for the corrosion control manager and are contained in the 2023 NWN Gorge/The Dalles inspection.

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

151. Question Result, ID, References Sat, 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 88966 (1,879)  
Result Notes NDT Records reviewed for Daniel Hubbard and Christopher Hatfield. Please see LaCamas Region Station (LRS) eye tests for RT and MPI.
152. Question Result, ID, References Sat, 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 88966 (1,879)  
Result Notes Welders qualifications were reviewed: No rejected welds or welds requiring repair. 2020 and 2021 welder qualifications for Matthew Chames DOQ-16001 shows essential variables that were reviewed for the 6010/8010 and 7018H4R for 2021. As built was signed off in March 2021. 2020 records were shown for June 19,2020 for Low Hydrogen and 6010/8010 (both had the same dates) This is in the coaching report.

## TQ.TR: Training of Personnel

153. 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 88966 (1,879)  
Result Notes Training spanning from 2020-2023 reviewed for emergency response.

## DC.CO: Construction

154. Question Result, ID, References Sat, DC.DPC.CCPROTCOATLOWER.R, 192.143(b) (192.461(c)) (also presented in: DC.DPC)  
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 88966 (1,879)  
Result Notes No "jeeping" records for this inspection time period.

## DC.SPT: Spike Hydrotest

155. Question Result, ID, References Sat, DC.PT.PRESSTESTENVIRON.R, 192.515(b) (192.629(a), 192.629(b)) (also presented in: 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 88966 (1,879)  
Result Notes For example, the procedure for discharge in Environmental Operating requirements <500 gallons. For example for pressure test #2535, 156 gallons was discharged.
156. Question Result, ID, References NA, DC.PT.PRESSTESTENVIRON.O, 192.515(b) (192.629(a), 192.629(b)) (also presented in: DC.PT, 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 88966 (1,879)

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

157. 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 88966 (1,879)

Result Notes No such event occurred, or condition existed, in the scope of inspection review. Max TP 28.3% of SYMS for the work done on the Everett Station.

158. 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 88966 (1,879)

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

159. 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 88966 (1,879)

Result Notes 3007 NE Everett Station Rebuild 8 hours #Test ID 2535 Max TP 1100 Min TP 638 Pressure chart calibrations ID#11190625 Test date 1-4-21 Cal exp August 4 2021. Operating MAOP 400 psig Certified to a MAOP of 425 psig Test# 2536

## DC.PTLOWPRESS: Pressure Testing - Low Pressure

160. Question Result, ID, References 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)

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

Assets Covered 88966 (1,879)

Result Notes 3007 NE Everett Station Rebuild 8 hours #Test ID 2535 Max TP 1100 Min TP 638 Pressure chart calibrations ID#11190625 Test date 1-4-21 Cal exp August 4 2021. Operating MAOP 400 psig. Certified to a 425 psig MAOP. Test# 2536

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

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

Assets Covered 88966 (1,879)

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

162. Question Result, ID, References Sat, DC.PT.PRESSTESTENVIRON.R, 192.515(b) (192.629(a), 192.629(b)) (also presented in: 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 88966 (1,879)

Result Notes For example, the procedure for discharge in Environmental Operating requirements <500 gallons. For example for pressure test #2535, 156 gallons was discharged.

163. Question Result, ID, References NA, DC.PT.PRESSTESTENVIRON.O, 192.515(b) (192.629(a), 192.629(b)) (also presented in: DC.PT, 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 88966 (1,879)

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

164. 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 **88966 (1,879)**  
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review. Max TP 28.3% of SYMS for the work done on the Everett Station.**
165. 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 **88966 (1,879)**  
 Result Notes **No such activity/condition was observed during the inspection.**
166. Question Result, ID, **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 **88966 (1,879)**  
 Result Notes **3007 NE Everett Station Rebuild 8 hours #Test ID 2535 Max TP 1100 Min TP 638 Pressure chart calibrations ID#11190625 Test date 1-4-21 Cal exp August 4 2021. Operating MAOP 400 psig Certified to a MAOP of 425 psig Test# 2536**

## MO.GOCLASS: Gas Pipeline Class Location

167. Question Result, ID, **NA, MO.GO.CONTSURVEILLANCE.R, 192.709(c) (192.613(a), 192.613(b), 192.703(b), 192.703(c))** (also presented in: MO.GO)  
 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 **88966 (1,879)**  
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
168. 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)  
 Question Text *Are unsatisfactory conditions being captured and addressed by continuing surveillance of facilities and the pipeline as required by 192.613?*  
 Assets Covered **88966 (1,879)**  
 Result Notes **No such activity/condition was observed during the inspection.**

## MO.GM: Gas Pipeline Maintenance

169. Question Result, ID, **NA, FS.FG.VAULTINSPECT.R, 192.709(c) (192.749(a), 192.749(b), 192.749(c), 192.749(d))** (also presented in: FS.FG)  
 Question Text *Do records document the adequacy of inspections of all vaults having an internal volume =200 cubic feet (5.66 cubic meters) that house pressure regulating/limiting equipment?*  
 Assets Covered **88966 (1,879)**  
 Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**

## MO.GMOPP: Gas Pipeline Overpressure Protection

170. Question Result, ID, **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 **88966 (1,879)**  
 Result Notes **Records are available for the life of the pipe. No pipeline repairs within the timeframe of this inspection.**

## PD.PA: Public Awareness

171. Question Result, ID, Sat, EP.ERG.LIAISON.R, 192.605(a) (192.615(c)(1), 192.615(c)(2), 192.615(c)(3), 192.615(c)(4),  
References 192.616(c), ADB-05-03) (also presented in: EP.ERG)  
Question Text *Do records indicate that liaison has been established and maintained with appropriate fire, police, public officials, and utility owners?*  
Assets Covered 88966 (1,879)  
Result Notes This was reviewed in The Dalles and then filtered to review liaison records for this localized area.

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

172. Question Result, ID, Sat, MO.RW.PATROL.R, 192.709(c) (192.705(a), 192.705(b), 192.705(c)) (also presented in: MO.RW)  
References  
Question Text *Do records indicate that ROW surface conditions have been patrolled as required?*  
Assets Covered 88966 (1,879)  
Result Notes Patrols were reviewed that included ROW and assets:  
  
NWN WUTC Transmission Patrolling Inspections Crossings 2020-2023  
  
NWN WUTC Transmission Patrolling Inspections 2020-2023  
  
NWN WUTC Transmission Bridgeline Inspections 2020-2023
173. Question Result, ID, Sat, MO.RW.ROWMARKER.O, 192.707(a) (192.707(b), 192.707(c), 192.707(d)) (also presented in:  
References MO.RW)  
Question Text *Are line markers placed and maintained as required?*  
Assets Covered 88966 (1,879)  
Result Notes No issues with markers noted in the field portion or records review.
174. Question Result, ID, Sat, MO.RW.ROWCONDITION.O, 192.705(a) (192.705(c)) (also presented in: MO.RW)  
References  
Question Text *Are the ROW conditions acceptable for the type of patrolling used?*  
Assets Covered 88966 (1,879)  
Result Notes ROW conditions are suitable for walking patrols.

## TD.CPMONITOR: External Corrosion - CP Monitoring

175. Question Result, ID, Sat, TD.CP.RECORDS.R, 192.491(a) (192.491(b), 192.491(c)) (also presented in: TD.CP,  
References TD.CPEXPOSED)  
Question Text *Do records indicate the location of all corrosion control items listed in §192.491(a)?*  
Assets Covered 88966 (1,879)  
Result Notes This is in tabular form and in IQGeo. (GIS)

## TD.CPEXPOSED: External Corrosion - Exposed Pipe

176. Question Result, ID, Sat, TD.CP.RECORDS.R, 192.491(a) (192.491(b), 192.491(c)) (also presented in: TD.CP,  
References TD.CPMONITOR)  
Question Text *Do records indicate the location of all corrosion control items listed in §192.491(a)?*  
Assets Covered 88966 (1,879)  
Result Notes This is in tabular form and in IQGeo. (GIS)

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.

**FORM D: Intrastate GT Standard Records & Field 8610**

UTC Standard Comprehensive Inspection Report  
Intrastate GAS Transmission  
FORM D: State-Specific Requirements

**\*\* THIS FORM IS REQUIRED FOR USE FOR ALL INTRASTATE GAS TRANSMISSION OPERATORS. USE IN CONJUNCTION WITH THE "BASELINE RECORDS" and "BASELINE FIELD OBSERVATIONS" MODULES IN THE MOST CURRENT WA-SPECIFIC GT QUESTION SET**

### Inspector and Operator Information

<b>Inspection Link</b> 8610	<b>Inspector - Lead</b> Cullom, David	<b>Inspector - Assist</b> Hoxit, Jason
<b>Operator</b> Northwest Natural	<b>Unit</b> Transmission	<b>Records Location - City &amp; State</b> Portland, Oregon
<b>Inspection Start Date</b> 09-07-2023	<b>Inspection Exit Interview Date</b> 09-22-2023	<b>Engineer Submit Date</b> 10-12-2023

You must include the following in your inspection summary:

- \* Inspection Scope
- \* Facilities visited and Total AFOD
- \* Summary of Significant Findings

#### Inspection Scope and Summary

The Camas Feeder (P-04) MAOP is 400 psig at 26.2% SMYS. The line operates at around 370 psig and had been originally hydro tested to 850 psig in 1956. The materials used were 8.625" diameter ERW, Grade B, .188" WT, coal tar coated pipe. It is 3.56 miles in length and contains 1.8 miles of HCA and 0.85 miles of MCA. Integrity assessments performed in the past were a 2005 ECDA, a 2011 ECDA, and a 2016 ECDA. NW Natural plans to do an upcoming ILI run in November 2023 and is moving away from using EDCA as the primary assessment method. This was the most significant change since the last assessment. There will need to be some line modifications to be made to the line so it can be successfully evaluated using ILI technologies. This is the only pipeline in NW Natural's Washington State transmission system.

#### Facilities visited and Total AFOD

This inspection consisted of 2 days of program plan and procedures review and 1 field day. The exit interview was conducted on September 22, 2023.

#### Summary of Significant Findings

There were no probable violations or areas of concern

#### Primary Operator contacts and/or participants

Samantha Rookstool - Compliance Specialist

Scott Lundgren - Integrity Management Supervisor

Ryan Truair - Compliance Supervisor

Lisa Sherer - Compliance Specialist

Additional participants detailed in the attached attendance form

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

Jon G. Huddleston

Vice President of Engineering and Utility Operations

250 Southwest Taylor Street, Portland, Oregon 97204

### Instructions and Ratings Definitions

INSTRUCTIONS	INSPECTION RESULTS		
<b>S - Satisfactory</b>	<b>Satisfactory Responses</b> 5	<b>Satisfactory List</b> 1,2,3,4,8,	<b>Unanswered Questions</b> 0
<b>U - Unsatisfactory</b>	<b>Unsatisfactory Responses</b> 0	<b>Unsatisfactory List</b>	
<b>Area Of Concern</b>	<b>Area of Concern Responses</b> 0	<b>Area of Concern List</b>	
<b>N/A - Not Applicable (does not apply to this operator or system)</b>	<b>Not Applicable Responses</b> 3	<b>Not Applicable List</b> 5,6,7,	
<b>N/C - Not Checked/Evaluated (was not inspected during this inspection)</b>	<b>Not Checked / Evaluated Responses</b> 0	<b>Not Checked / Evaluated List</b>	

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

### INTRASTATE GT RECORDS REVIEW

#### MAPPING RECORDS

#### REPORTING RECORDS

##### Question 1

Do records indicate that the operator filed with the commission, not later than March 15 of each year, applicable to the preceding calendar year: a copy of every Pipeline and Hazardous Materials Safety Administration (PHMSA) F-7100.2-1 annual report?

##### Q8 Reference

WAC 480-93-200(10)

##### Q1 Result

Satisfactory

##### Q1 Notes

Annual reports were submitted for 2020-2023 and were reviewed. No issues noted. 1.8 HCA miles for the last 2 years. Was 1.7 miles in the 2020 filing (for 2019). HCA mileage has stayed realitively consistent.

### DAMAGE PREVENTION RECORDS

##### Question 2

Do records indicate that the operator's locating and excavation practices are in compliance with all RCW 19.122 requirements for facility operators? Does the records sample indicate that locates are made within two business days?

##### Q9 Reference

RCW 19.122

##### Q2 Result

Satisfactory

##### Q2 Notes

I reviewed several locates during this inspection and/or the The Dalles-Gorge unit inspection for 2023 and locates were being made within the timeframe and following RCW 19.122.

##### Question 3

Do records indicate that the operator uses a quality assurance program for monitoring the locating and marking of facilities? Does the operator conduct regular field audits of the performance of locators/contractors and implement appropriate corrective action when necessary?

##### Q3 Reference

PHMSA State Program Question

##### Q3 Result

Satisfactory

##### Q3 Notes

NWN has a QA program that evaluates covered task items. Several examples were reviewed.

##### Question 4

Do records indicate that the operator's (organic or contracted) locator and excavator personnel are properly qualified in accordance with the operator's OQ plan and with state OQ requirements?

**Q4 Reference**  
WAC 480-93-013

**Q4 Result**  
Satisfactory

**Q4 Notes**  
All locators are qualified under NWN's OQ program and I verified this in the field during 2023 in the Dalles/Gorge inspection. No locates were being performed during the field portion of this inspection.

**Question 5**

Do records indicate that the operator is meeting requirements in RCW 19.122.035 with respect to their duties after notice of excavation? Are examinations of uncovered pipe conducted prior to reburial? Does the operator immediately notify local first responders and the commission of any blowing gas leak that has ignited or represents a probable hazard to persons or property?

**Q5 Reference**  
RCW 19.122.035

**Q5 Result**  
Not Applicable

**Q5 Notes**  
No instances of this activity or damages during this inspection time period. There was exposed pipe condition reports for the Lacamas Regional Station rebuild, but there was no damage that initiated that examination.

**Question 6**

Do records indicate that the operator reviews records of accidents and failures caused by excavation damage to ensure the causes of those failures are addressed to minimize the possibility of reoccurrence?

**Q6 Reference**  
PHMSA State Programs Emphasis - no link

**Q6 Result**  
Not Applicable

**Q6 Notes**  
No instances of this activity or damages during this inspection time period.

## DESIGN/CONSTRUCTION RECORDS

**Question 7**

Do construction/installation records indicate that the operator is complying with WAC 480-93-115 requirements to seal the casing ends of any transmission line installed in a casing or conduit? If casings are installed, is the operator installing only bare steel casings?

**Q21 Reference**  
WAC 480-93-115

**Q7 Result**  
Not Applicable

**Q7 Notes**  
The operator has not installed any new transmission line casing during the 2020-2023 time period.

## CORROSION CONTROL RECORDS

## OPERATIONS & MAINTENANCE RECORDS

**Question 8**

Do odorization records demonstrate appropriate odorization levels, testing, instrumentation, calibration, and adherence to applicable intervals in accordance with WAC 480-93-015? Does the operator retain records of tests performed and equipment calibration for 5 years? Does the operator take prompt action to investigate and remediate odorant concentrations not meeting the minimum requirements (as applicable)?

**Q8 Reference**  
WAC 480-93-015

**Q8 Result**  
Satisfactory

**Q8 Notes**  
This question is in IA under MO.GODOR.ODORIZE.R.  
2020-2023 records were reviewed and are available in the attachments in IA and in SharePoint. Odorant levels and sniff tests were suitable.

## RECORDS: SUMMARY OF REQUIRED COMMENTS

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

## INTRASTATE GT: FIELD OBSERVATIONS

## FIELD: SUMMARY OF REQUIRED COMMENTS

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