

Inspection Output (IOR)

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Inspection Information

Inspection Name	NWN Columbia Gorge 8056	Operator(s)	NORTHWEST NATURAL GAS CO (13840)	Plan Submitted	08/17/2020
Status	PLANNED	Lead	Scott Rukke	Plan Approval	08/17/2020 by Joe Subsits
Start Year	2020	Team Members	David Cullom, Dennis Ritter, Lex Vinsel, Anthony Dorrough, Derek Norwood, Scott Anderson, Darren Tinnerstet	All Activity Start	01/01/2020
System Type	GD	Observer(s)	Deborah Becker, Rell Koizumi	All Activity End	12/31/2020
Protocol Set ID	GD.2019.01	Supervisor	Joe Subsits	Inspection Submitted	--
		Director	Sean Mayo	Inspection Approval	--

Inspection Summary

Northwest Natural Gas Co Columbia Gorge Inspection Unit.

NWN records location and headquarters mailing executive:

Primary Compliance contact:

Jaimie Lemke

Jaime.lemke@nwnatural.com

NW Natural – Code Compliance Specialist

503.226.4211 x4316

Back up:

Samantha Rookstool

samantha.rookstool@nwnatural.com

Off: (503) 226-4211 x4366

Field pre-inspection week July 20-23, 2020

During the pre-field Gorge inspection a field work form was created of various locations and questions and will be sent to NWN for further exam of records. .

Drove the entire Gorge District and visited each small system. Field days - 4

Records that would normally be reviewed in the operators office were reviewed electronically due to Covid-19 concerns. These were done July 28 - 30, 2020.

Records that would normally be reviewed in the operators office were reviewed electronically due to Covid-19 concerns. These were done August 4, 2020.

Field facility inspections were done Monday Aug 10 - Wednesday Aug 12th, 2020.

Field work with NWN personnel was conducted 8/10-12, 2020.

Exit interview date was 08/17/2020.

Scope (Assets)

#	Short Label	Long Label	Asset Type	Asset IDs	Excluded Topics	Planned	Required	Inspected	Total	Required % Complete
1.	NWN Gorge 8056	Northwest Natural Gas Columbia Gorge 8056	other	--	Compressor Stations Storage Fields Bottle/Pipe - Holders Vault Offshore GOM OCS Cast or Ductile Iron Copper Pipe Aluminum pipe Abandoned	93	93	93	93	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.	NWN Gorge 8056	n/a	PRR.PT, PRR.REPORT, TO.QU.CORROSION.R, TD.CPMONITOR.TESTSTATION.R, TD.CPMONITOR.TESTLEAD.R, TD.CPMONITOR.INTFRCURRENT.R, TD.ICP.EXAMINE.R, TD.ATM.ATMCORRODEINSP.R, TD.COAT.NEWPIPE.R, TD.ICP.REPAIR.R, TD.ICP.EVALUATE.R, TD.CP.RECORDS.R, TD.CPMONITOR.CURRENTTEST.R, TD.CPEXPOSED.EXPOSEINSPECT.R, TD.CPMONITOR.TEST.R, TD.CPMONITOR.REVCURRENTTEST.R, TD.CPMONITOR.DEFICIENCY.R, TD.CP.UNPROTECT.R, TD.CP.ELECISOLATE.R, MO.GOUPRATE.MAOPINCREASE.R, MO.GOUPRATE.MAOPINCREASELIMIT.R, MO.GOUPRATE.MAOPINCREASEPREP.R, MO.GO.OMANNUALREVIEW.R, PD.PA.LANGUAGE.R, EP.ERG.INCIDENTANALYSIS.R, MO.GOODOR.ODORIZE.R, MO.RW.DISTPATROL.R, MO.RW.DISTPATROLLEAKAGE.R, MO.GO.OMHISTORY.R, AR.RMP.TESTREINSTATE.R, MO.GMOPP.PRESSREGTEST.R,	P, R, O, S	Detail

# Plan Assets	Focus Directives	Involved Groups/Subgroups	Qst Type(s)	Extent Notes
		MO.GMOPP.PRESSREGCAP.R, MO.GM.DISTVALVEINSPECT.R, FS.FG.VAULTINSPECTFAC.R, MO.GM.IGNITION.R, DC.WELDPROCEDURE.WELD.R, MO.GO.OMEFFECTREVIEW.R, TQ.QUOMCONST.WELDER.R, TQ.QUOMCONST.NDT.R, DC.CO.PLASTICJOINTPROCEDURE.R, DC.CO.PLASTICJOINTQUAL.R, DC.CO.PLASTICJOINTINSP.R, MO.GM.RECORDS.R, MO.GOABNORMAL.ABNORMALREVIEW.R, PD.OC.PDPROGRAM.R, EP.ERG.POSTEVNTREVIEW.R, EP.ERG.TRAINING.R, EP.ERG.LIAISON.R, GDIM.RA.NEWPIPEDATA.P, GDIM.RA.NEWPIPEDATA.R, GDIM.RR.MECHANICALFITTINGDATAIMPL.R, GDIM.RR.MECHANICALFITTINGRPTIMPL.R, GDIM.RA.DEMOUNDERSTANDINGIMPL.O, GDIM.RA.NEWPIPEIMPL.R, DC.MA.MARKING.O, DC.METERREGSVC.SVCLINECONNECT.O, DC.METERREGSVC.NEWSVCLINENOTUSED.O, DC.METERREGSVC.EXCSFLOWVLVLOCATE.O, TD.COAT.NEWPIPEINSTALL.O, TD.CPMONITOR.MONITORCRITERIA.O, TD.CPMONITOR.CURRENTTEST.O, TD.CP.ELECSOLATE.O, TD.CPMONITOR.TESTSTATION.O, TD.CPMONITOR.TESTLEAD.O, DC.DPC.FLANGE.O, TD.CPMONITOR.INTFRCURRENT.O, TD.ATM.ATMCORRODEINSP.O, MO.GOODOR.ODORIZE.O, DC.DPC.GDVALVEPLACEMENT.O, MO.RW.ROWMARKER.O, MO.RW.ROWMARKERABOVE.O, MO.GMOPP.PRESSREGTEST.O, MO.GMOPP.PRESSREGMETER.O, MO.GM.DISTVALVEINSPECT.O, AR.RMP.IGNITION.O, DC.METERREGSVC.CUSTOMETERREGLOC.O, DC.METERREGSVC.CUSTOMETERREGPROT.O, DC.METERREGSVC.CUSTOMETERREGINSTALL.O, DC.METERREGSVC.SVCLINEINSTALL.O, DC.METERREGSVC.SVCLINEVLVLOCATEREQT.O, TQ.PROT9.QUALIFICATIONSTATUS.O, TQ.PROT9.TASKPERFORMANCE.O, TQ.PROT9.AOCRECOG.O, TQ.OO.RECORDS.R, TQ.OO.ABNORMAL.O, TQ.OO.OOPLAN.O, EP.ERG.LIAISON.R, PD.PA.LANGUAGE.R		

Plan Implementations

# Activity Name	SMAR T Act#	Start Date	Focus Directives	Involved Groups/Subgroups	Qst Asset Types	Planned	Required	Total Inspected	Required % Complete
1. Office Procedures and Records, Field	--	01/01/2020 12/31/2020	n/a	all planned questions	all asset types	93	93	93	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	Field Inspection	COMPLETED	08/12/2020	Office Procedures and Records, Field	NWN Gorge 8056
2.	Attendance List	Office Procedures and Records August 3, 2020	COMPLETED	08/17/2020	Office Procedures and Records, Field	NWN Gorge 8056

Results (all values, 93 results)

99 (instead of 93) results are listed due to re-presentation of questions in more than one sub-group.

PRR.REPORT: Reporting

1. Question Result, ID, References **Sat, RPT.RR.IMMEDREPORT.R, 191.5(a) (191.7(a), 191.7(d))**
Question Text *Do records indicate immediate notifications of incidents were made in accordance with 191.5?*
Assets Covered **NWN Gorge 8056**
Result Notes **Two state reportable incidents. Reviewed documents.**
2. Question Result, ID, References **NA, RPT.RR.INCIDENTREPORT.R, 191.9(a)**
Question Text *Do records indicate reportable incidents were identified and reports were submitted to DOT on Form 7100.1 within the required time frame?*
Assets Covered **NWN Gorge 8056**
Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
3. Question Result, ID, References **NA, RPT.RR.INCIDENTREPORTSUPP.R, 191.9(b)**
Question Text *Do records indicate accurate supplemental incident reports were filed and within the required timeframe?*
Assets Covered **NWN Gorge 8056**
Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
4. Question Result, ID, References **Sat, RPT.RR.ANNUALREPORT.R, 191.11(a)**
Question Text *Have complete and accurate Annual Reports been submitted?*
Assets Covered **NWN Gorge 8056**
Result Notes **Annual reports for 2017, 2018 and 2019 were reviewed and appear accurate.**
5. Question Result, ID, References **Sat, GDIM.RR.MECHANICALFITTINGDATAIMPL.R, 192.1009 (191.12)** (also presented in: **GDIM.IMPL**)
Question Text *Have accurate records been maintained documenting mechanical fitting failures that resulted in hazardous leaks?*
Assets Covered **NWN Gorge 8056**
Result Notes **Reviewed reports for 2017, 2018 and 2019. 2019 had 8 defects resulting in leaks. All were PE.**
6. Question Result, ID, References **NA, RPT.RR.SRCR.R, 191.23(a) (191.23(b), 191.25(a), 191.25(b))**
Question Text *Do records indicate safety-related condition reports were filed as required?*
Assets Covered **NWN Gorge 8056**
Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
7. Question Result, ID, References **Sat, MO.GO.CUSTNOTIFY.R, 192.16(d) (192.16(a), 192.16(b), 192.16(c))**
Question Text *Do records indicate the customer notification process satisfies the requirements of 192.16?*
Assets Covered **NWN Gorge 8056**
Result Notes **Good. Reviewed notification.**

The rights and responsibilities are sent annually and all new customer packets.

PRR.CORROSION: Corrosion Control

8. 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 **NWN Gorge 8056**
Result Notes **Dave Maynard, OQ. Responsible for CP reads.**
9. Question Result, ID, References **Sat, TD.CP.RECORDS.R, 192.491(a)**
Question Text *Do records indicate the location of all items listed in 192.491(a)?*
Assets Covered **NWN Gorge 8056**

Result Notes (a) Each operator shall maintain records or maps to show the location of cathodically protected piping, cathodic protection facilities, galvanic anodes, and neighboring structures bonded to the cathodic protection system. Records or maps showing a stated number of anodes, installed in a stated manner or spacing, need not show specific distances to each buried anode.

Records and maps were all good.

10. 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 NWN Gorge 8056

Result Notes Reviewed records of rectifiers for 2017 to 2020.

Included were:

White Salmon

Goldendale

North Bonneville

Carson

Klickitat

11. 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?*

Assets Covered NWN Gorge 8056

Result Notes Reviewed a sampling of pipe inspection reports.

12. 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 NWN Gorge 8056

Result Notes All records provided indicate tests were completed on time.

13. 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 NWN Gorge 8056

Result Notes No such relevant facilities/equipment existed in the scope of inspection review. None in system.

14. 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 NWN Gorge 8056

15. Question Result, ID, References Sat, TD.CP.UNPROTECT.R, 192.491(c) (192.465(e))

- Question Text *Do records adequately document that exposed buried piping was examined for corrosion and deteriorated coating?*
- Assets Covered **NWN Gorge 8056**
- Result Notes **Reviewed a sampling of exposed pipe condition reports**
16. 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 **NWN Gorge 8056**
- Result Notes **Casing survey records were reviewed for 2017 to 2020 and there were no shorted casings.**
17. Question Result, ID, References **Sat, TD.CP.MONITOR.TESTSTATION.R, 192.469**
- Question Text *Do records identify the location of test stations and show a sufficient number of test stations?*
- Assets Covered **NWN Gorge 8056**
- Result Notes **Reviewed their GIS with test point locations on a map layer. Reviewed Dallesport.**
18. Question Result, ID, References **Sat, TD.CP.MONITOR.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 **NWN Gorge 8056**
19. Question Result, ID, References **NA, TD.CP.MONITOR.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 **NWN Gorge 8056**
- Result Notes **No such event occurred, or condition existed, in the scope of inspection review. No known interference currents.**
20. 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 **NWN Gorge 8056**
- Result Notes **This is recorded on the exposed pipe condition reports. No internal pipe corrosion was noted on the reports that were reviewed.**
21. Question Result, ID, References **Sat, TD.ATM.ATMCORRODEINSP.R, 192.491(c) (192.481(a), 192.481(b), 192.481(c))**
- Question Text *Do records document inspection of aboveground pipe for atmospheric corrosion?*
- Assets Covered **NWN Gorge 8056**
22. Question Result, ID, References **Sat, TD.COAT.NEWPIPE.R, 192.491(c) (192.455(a), 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 **NWN Gorge 8056**
23. Question Result, ID, References **NA, TD.ICP.REPAIR.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 **NWN Gorge 8056**
- Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
24. 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 **NWN Gorge 8056**

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

PRR.PT: Pressure Test

25. Question Result, ID, References Sat, DC.PTLOWPRESS.PRESSTESTLOWSTRESS.R, 192.517(a) (192.507(a), 192.507(b), 192.507(c))

Question Text *Do records indicate that pressure testing is conducted in accordance with 192.507?*

Assets Covered NWN Gorge 8056

Result Notes

\$192.507 Test requirements for pipelines to operate at a hoop stress less than 30 percent of SMYS and at or above 100 p.s.i. (689 kPa) gage.

Reviewed the two examples in this district.

4-inch steel main - tested to min of 600 psig 1 hr.

1-inch steel service.

26. Question Result, ID, References Sat, DC.PTLOWPRESS.PRESSTEST100PSIG.R, 192.517(b) (192.509(a), 192.509(b))

Question Text *Do records indicate that pressure testing is conducted in accordance with 192.509(a)?*

Assets Covered NWN Gorge 8056

Result Notes Reviewed a sampling.

2-inch poly tested to 103 for 2hrs.

2-inch steel tested to 105 for 2 hrs.

27. Question Result, ID, References Sat, DC.PT.SERVICELINE.R, 192.517(b) (192.511(a), 192.511(b), 192.511(c))

Question Text *Do records indicate that pressure testing is conducted in accordance with 192.511?*

Assets Covered NWN Gorge 8056

Result Notes

\$192.511 Test requirements for service lines.

1-inch steel service - tested at 100 psig for 3 hrs.

28. Question Result, ID, References Sat, DC.PT.PRESSTESTPLASTIC.R, 192.517(b) (192.513(a), 192.513(b), 192.513(c), 192.513(d))

Question Text *Do records indicate that pressure testing is conducted in accordance with 192.513?*

Assets Covered NWN Gorge 8056

Result Notes

\$192.513 Test requirements for plastic pipelines.

1-inch poly - 100 psig 10 mins

PRR.UPRATE: Uprating

29. Question Result, ID, References **NA, MO.GOUPRATE.MAOPINCREASE.R, 192.553(a) (192.553(b), 192.553(c))**
Question Text *Do records indicate that increases in MAOP of pipeline were determined in accordance with 192.553?*
Assets Covered **NWN Gorge 8056**
Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
30. Question Result, ID, References **NA, MO.GOUPRATE.MAOPINCREASELIMIT.R, 192.553(b) (192.553(c), 192.553(d), 192.557(a))**
Question Text *Do records indicate that increases in MAOP are limited in accordance with 192.619 and 192.621?*
Assets Covered **NWN Gorge 8056**
Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
31. Question Result, ID, References **NA, MO.GOUPRATE.MAOPINCREASEPREP.R, 192.553(b) (192.553(c), 192.553(a), 192.557(b), 192.557(c))**
Question Text *Do records indicate that increases in MAOP were preceded by the actions specified in 192.557?*
Assets Covered **NWN Gorge 8056**
Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**

PRR.OM: Operations And Maintenance

32. 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 **NWN Gorge 8056**
Result Notes **Reviewed the annual log of O&M reviews and changes.**
33. 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 **NWN Gorge 8056**
Result Notes **All in mapframe and added to GIS. All field have mapframe available through their laptop in the field.**
34. 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 **NWN Gorge 8056**
Result Notes **Quality assurance checklist.**

QA Inspection Reports are done randomly on field personnel.

Reviewed one unsat QA inspection and the follow up.
35. Question Result, ID, References **Sat, MO.GO.ABNORMAL.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 **NWN Gorge 8056**
Result Notes **Reviewed QA reports for crews responding to damaged lines and odor calls. Reports were well detailed.**

36. Question Result, ID, References **Sat, PD.OC.PDPROGRAM.R, 192.614(c)**
 Question Text *Does the damage prevention program meet minimum requirements specified in 192.614(c)?*
 Assets Covered **NWN Gorge 8056**
 Result Notes **SP 605 describes their program. All elements appear to be present.**
37. Question Result, ID, References **Sat, EP.ERG.POSTEVTREVIEW.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 **NWN Gorge 8056**
 Result Notes **Uses their QA form and an incident review form.**
38. Question Result, ID, References **Sat, EP.ERG.TRAINING.R, 192.605(a) (192.615(b)(2))**
 Question Text *Has the operator trained the appropriate operating personnel on emergency procedures and verified that the training was effective in accordance with its procedures?*
 Assets Covered **NWN Gorge 8056**
 Result Notes **Reviewed the Dalles records of training.**
39. 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: **MISCTOPICS.PUBAWARE**)
 Question Text *Do records indicate liaisons established and maintained with appropriate fire, police and other public officials and utility owners in accordance with procedures?*
 Assets Covered **NWN Gorge 8056**
 Result Notes **Reviewed a record of public official contacts. Fire departments are contacted on an annual basis.**
40. Question Result, ID, References **Sat, PD.PA.LANGUAGE.R, 192.616(g) (API RP 1162 Section 2.3.1)** (also presented in: **MISCTOPICS.PUBAWARE**)
 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 **NWN Gorge 8056**
 Result Notes **PA section 5.1.2.1 details other language areas. Mainly Spanish with contacts for other languages.**
41. Question Result, ID, References **NA, EP.ERG.INCIDENTANALYSIS.R, 192.605(a) (192.617)**
 Question Text *Do records indicate actions initiated to analyze accidents and failures, including the collection of appropriate samples for laboratory examination to determine the causes of the failure and minimize the possibility of recurrence, in accordance with its procedures?*
 Assets Covered **NWN Gorge 8056**
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
42. 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 **NWN Gorge 8056**
 Result Notes **Odorization records for 2017 to 2020 were reviewed.**
43. Question Result, ID, References **Sat, MO.RW.DISTPATROL.R, 192.603(b) (192.721(a), 192.721(b))**
 Question Text *Do records indicate distribution patrolling was conducted as required?*
 Assets Covered **NWN Gorge 8056**
 Result Notes **The last 3 patrols were reviewed.**
44. Question Result, ID, References **Sat, MO.RW.DISTPATROLLEAKAGE.R, 192.603(b) (192.723(a), 192.723(b))**
 Question Text *Do records indicate distribution leakage surveys were conducted as required?*
 Assets Covered **NWN Gorge 8056**
 Result Notes **Leak surveys were conducted in 2008, 2013 and 2018.**

45. Question Result, ID, References Sat, AR.RMP.TESTREINSTATE.R, 192.603(b) (192.725(a), 192.725(b))
 Question Text *From the review of records, did the operator properly test disconnected service lines?*
 Assets Covered NWN Gorge 8056
 Result Notes Yes. A sampling of damaged services records were reviewed and services were pressure tested from point of damage to the MSA.
46. 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 NWN Gorge 8056
 Result Notes Primary service regs, NWN requirement of every two years - good.

 Regulator stations, annual - good.

 Gate stations, annual - good
47. 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 NWN Gorge 8056
 Result Notes Capacity checks were reviewed for 2017, 2018 and 2019.
48. Question Result, ID, References Sat, MO.GM.DISTVALVEINSPECT.R, 192.603(b) (192.747(a), 192.747(b))
 Question Text *Do records indicate proper inspection and partial operation of each distribution system valve that might be required in an emergency at intervals not exceeding 15 months, but at least once each calendar year, and prompt remedial action to correct any valve found inoperable?*
 Assets Covered NWN Gorge 8056
 Result Notes Valve operation records were reviewed from 2017 to 2020
49. 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 NWN Gorge 8056
 Result Notes Found in Standard Practice SPW 751. Not directly observed in the field and no records to verify during this inspection.
50. Question Result, ID, References Sat, DC.WELDPROCEDURE.WELD.R, 192.225(a) (192.225(b))
 Question Text *Do records indicate weld procedures are being qualified in accordance with 192.225?*
 Assets Covered NWN Gorge 8056
 Result Notes Standard Practice SPW 221.
51. 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 adequate qualification of welders?*
 Assets Covered NWN Gorge 8056
 Result Notes Reviewed OQ of arc welders and oxy acetylene welders.

52. 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 **NWN Gorge 8056**
 Result Notes **NWN uses Oregon WA Labs, now Acuren, as their NDT contractor. Their qualification records were reviewed.**
53. Question Result, ID, References **Sat, DC.CO.PLASTICJOINTPROCEDURE.R, 192.273(b) (192.283(a), 192.283(b), 192.283(c), 192.283(d))**
 Question Text *Have plastic pipe joining procedures been qualified in accordance with 192.283?*
 Assets Covered **NWN Gorge 8056**
 Result Notes **Standard Practice SPW 251**
- Polyethylene joining procedures for heat fusion applications are adopted from the Plastics Pipe Institute (PPI) Generic Butt fusion procedures (TR-33). The scope of this procedure includes technical justification so 'Pipeline operators could consider the recommendations and testing performed by PPI in their effort to comply with the fusion procedure qualification requirements of 49 CFR 192.283.' Plastic joining procedures for mechanical fittings have been qualified by the pipe and fitting manufacturers.*
54. Question Result, ID, References **Sat, DC.CO.PLASTICJOINTQUAL.R, 192.285(d) (192.285(a), 192.285(b), 192.285(c), 192.807(a), 192.807(b))**
 Question Text *Do records indicate persons making joints in plastic pipelines are qualified in accordance with 192.285?*
 Assets Covered **NWN Gorge 8056**
 Result Notes **Reviewed a sampling of The Dalles District fusion personnel. Fusers are qualified twice per year.**
55. Question Result, ID, References **Sat, DC.CO.PLASTICJOINTINSR.R, 192.287 (192.807(a), 192.807(b))**
 Question Text *Do records indicate persons inspecting the making of plastic pipe joints have been qualified?*
 Assets Covered **NWN Gorge 8056**
 Result Notes **Fusion qualified individuals inspect their own fuses and it is part of NWN's operator qualification program.**
56. Question Result, ID, References **NA, MO.GM.RECORDS.R, 192.605(b)(1) (192.243(f), 192.709(a), 192.709(b), 192.709(c))**
 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 **NWN Gorge 8056**
 Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**

No transmission during this inspection.

FR.FIELDPIPE: Pipeline Inspection (Field)

57. Question Result, ID, References **Sat, DC.MA.MARKING.O, 192.63(a) (192.63(b), 192.63(c), 192.63(d))**
 Question Text *Are pipe, valves, and fittings properly marked for identification?*
 Assets Covered **NWN Gorge 8056**
58. Question Result, ID, References **Sat, DC.DPC.FLANGE.O, 192.141 (192.147(a), 192.147(b), 192.147(c))**
 Question Text *Do flanges and flange accessories meet the requirements of 192.147?*
 Assets Covered **NWN Gorge 8056**
 Result Notes **Flanges and components observed in the field were marked with their ratings and were commensurate for the intended MAOP.**
59. Question Result, ID, References **Sat, DC.DPC.GDVALVEPLACEMENT.O, 192.141 (192.181(a), 192.181(b), 192.181(c))**
 Question Text *Are distribution line valves being installed as required of 192.181?*
 Assets Covered **NWN Gorge 8056**
60. Question Result, ID, References **Sat, DC.METERREGSVC.CUSTOMETERREGLOC.O, 192.351 (192.353(a), 192.353(b), 192.353(c), 192.353(d))**

Question Text *Are meters and service regulators being located consistent with the requirements of 192.353?*
Assets Covered **NWN Gorge 8056**

61. Question Result, ID, References **Sat, DC.METERREGSVC.CUSTOMETERREGPROT.O, 192.351 (192.355(a), 192.355(b), 192.355(c))**
Question Text *Are meters and service regulators being protected from damage consistent with the requirements of 192.355?*
Assets Covered **NWN Gorge 8056**
62. Question Result, ID, References **Sat, DC.METERREGSVC.CUSTOMETERREGINSTALL.O, 192.351 (192.357(a), 192.357(b), 192.357(c), 192.357(d))**
Question Text *Are meters and service regulators being installed consistent with the requirements of 192.357?*
Assets Covered **NWN Gorge 8056**
63. Question Result, ID, References **NA, DC.METERREGSVC.SVCLINEINSTALL.O, 192.351 (192.361(a), 192.361(b), 192.361(c), 192.361(d), 192.361(e), 192.361(f), 192.361(g))**
Question Text *Are customer service lines being installed consistent with the requirements of 192.361?*
Assets Covered **NWN Gorge 8056**
Result Notes **No such activity/condition was observed during the inspection. No service installs were observed.**
64. Question Result, ID, References **NA, DC.METERREGSVC.SVCLINEVLVLOCATEREQT.O, 192.351 (192.363(a), 192.363(b), 192.363(c), 192.365(a), 192.365(b), 192.365(c))**
Question Text *Are customer service line valves being installed meeting the valve and locations requirements of 192.363 and 192.365?*
Assets Covered **NWN Gorge 8056**
Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**
65. Question Result, ID, References **NA, DC.METERREGSVC.SVCLINECONNECT.O, 192.351 (192.367(a), 192.367(b), 192.369(a), 192.369(b))**
Question Text *Are customer service lines being installed with connections meeting the requirements of 192.367 and 192.369?*
Assets Covered **NWN Gorge 8056**
Result Notes **No such activity/condition was observed during the inspection.**
66. Question Result, ID, References **NA, DC.METERREGSVC.NEWSVCLINENOTUSED.O, 192.351 (192.379, 192.379(a), 192.379(b), 192.379(c))**
Question Text *Are new customer service lines not in use configured in accordance with the requirements of 192.379?*
Assets Covered **NWN Gorge 8056**
Result Notes **No such activity/condition was observed during the inspection.**
67. Question Result, ID, References **NA, DC.METERREGSVC.EXCSFLOWVLVLOCATE.O, 192.351 (192.381(c), 192.381(d), 192.381(e))**
Question Text *Are service line excess flow valves located and identified in accordance with the requirements of 192.381?*
Assets Covered **NWN Gorge 8056**
Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**
68. Question Result, ID, References **NA, TD.COAT.NEWPIPEINSTALL.O, 192.461(d)**
Question Text *Is external protective coating being protected from damage that could result from adverse ditch conditions or supporting blocks?*
Assets Covered **NWN Gorge 8056**
Result Notes **No such activity/condition was observed during the inspection.**
69. Question Result, ID, References **Sat, TD.CPMONITOR.MONITORCRITERIA.O, 192.465(a) (192.463(b), 192.463(c))**
Question Text *Are methods used for taking CP monitoring readings that allow for the application of appropriate CP monitoring criteria?*
Assets Covered **NWN Gorge 8056**
70. 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 **NWN Gorge 8056**

71. 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 **NWN Gorge 8056**

Result Notes **All isolators tested were functioning properly.**

72. Question Result, ID, References **Sat, TD.CP.MONITOR.TESTSTATION.O, 192.469**

Question Text *Do cathodically protected pipelines have a sufficient number of test stations?*

Assets Covered **NWN Gorge 8056**

73. Question Result, ID, References **Sat, TD.CP.MONITOR.TESTLEAD.O, 192.471(a)**

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

Assets Covered **NWN Gorge 8056**

74. Question Result, ID, References **NA, TD.CP.MONITOR.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 **NWN Gorge 8056**

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

75. Question Result, ID, References **NA, TD.ATM.ATMCORRODEINSP.O, 192.481(b) (192.481(c), 192.479(a), 192.479(b), 192.479(c)) (also presented in: ATT1FR.FIELDSCS)**

Question Text *Is pipe that is exposed to atmospheric corrosion protected?*

Assets Covered **NWN Gorge 8056**

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

76. Question Result, ID, References **Sat, MO.GOODOR.ODORIZE.O, 192.625(a) (192.625(c), 192.625(d), 192.625(e), 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 **NWN Gorge 8056**

Result Notes **Two odorant test sites were tested in two different distribution systems. An XYZ odorometer was utilized.**

77. Question Result, ID, References **Sat, MO.RW.ROWMARKER.O, 192.707(a) (192.707(b), 192.707(d), CGA Best Practices, v4.0, Practice 2-5, CGA Best Practices, v4.0, Practice 4-20) (also presented in: ATT1FR.FIELDSCS)**

Question Text *Are line markers placed and maintained as required?*

Assets Covered **NWN Gorge 8056**

78. Question Result, ID, References **Sat, MO.RW.ROWMARKERABOVE.O, 192.707(c) (CGA Best Practices, v4.0, Practice 2-5, CGA Best Practices, v4.0, Practice 4-20) (also presented in: ATT1FR.FIELDSCS)**

Question Text *Are line markers placed and maintained as required for above ground pipelines?*

Assets Covered **NWN Gorge 8056**

79. Question Result, ID, References **Sat, MO.GMOPP.PRESSREGTEST.O, 192.739(a) (192.739(b))**

Question Text *Are field or bench tests or inspections of regulating stations, pressure limiting stations or relief devices adequate?*

Assets Covered **NWN Gorge 8056**

80. Question Result, ID, References **NA, MO.GMOPP.PRESSREGMETER.O, 192.741(a) (192.741(b), 192.741(c))**

Question Text *Are telemetering or recording gauges properly utilized as required for distribution systems?*

Assets Covered **NWN Gorge 8056**

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

81. Question Result, ID, References Sat, MO.GM.DISTVALVEINSPECT.O, 192.747(a) (192.747(b))

Question Text *Is proper inspection and partial operation being performed for each distribution system valve that might be required in an emergency, and prompt remedial action to correct any valves found inoperable?*

Assets Covered NWN Gorge 8056

82. 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 NWN Gorge 8056

ATT1FR.FIELDPCS: Compressor Stations Inspection (Field)

83. Question Result, ID, References NA, TD.ATM.ATMCORRODEINSP.O, 192.481(b) (192.481(c), 192.479(a), 192.479(b), 192.479(c)) (also presented in: FR.FIELDPIPE)

Question Text *Is pipe that is exposed to atmospheric corrosion protected?*

Assets Covered NWN Gorge 8056

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

84. Question Result, ID, References Sat, MO.RW.ROWMARKER.O, 192.707(a) (192.707(b), 192.707(d), CGA Best Practices, v4.0, Practice 2-5, CGA Best Practices, v4.0, Practice 4-20) (also presented in: FR.FIELDPIPE)

Question Text *Are line markers placed and maintained as required?*

Assets Covered NWN Gorge 8056

85. Question Result, ID, References Sat, MO.RW.ROWMARKERABOVE.O, 192.707(c) (CGA Best Practices, v4.0, Practice 2-5, CGA Best Practices, v4.0, Practice 4-20) (also presented in: FR.FIELDPIPE)

Question Text *Are line markers placed and maintained as required for above ground pipelines?*

Assets Covered NWN Gorge 8056

GDIM.KN: Knowledge of the System

86. Question Result, ID, References Sat, GDIM.RA.NEWPIPEDATA.P, 192.1007(a)(5)

Question Text *Do the procedures require the capture and retention of data on any new pipeline installed?*

Assets Covered NWN Gorge 8056

87. Question Result, ID, References Sat, GDIM.RA.NEWPIPEDATA.R, 192.1007(a)(5)

Question Text *Does the data required for capture and retention include, at a minimum, the location where the new pipeline is installed and the material from which it is constructed?*

Assets Covered NWN Gorge 8056

GDIM.IMPL: GDIM Implementation

88. Question Result, ID, References Sat, GDIM.RA.NEWPIPEIMPL.R, 192.1007(a)(5)

Question Text *Have required data on any new pipeline installations since August 2, 2011 been captured (e.g., location, wall thickness/SDR, manufacturer, lot/production number)?*

Assets Covered NWN Gorge 8056

Result Notes Reviewed samples of as-builts that contained all the data necessary to document the type of facility.

89. Question Result, ID, References Sat, GDIM.RA.DEMOUNDERSTANDINGIMPL.O, 192.1007(a)

Question Text *Do operator personnel in the field understand their responsibilities under the DIMP plan?*

Assets Covered NWN Gorge 8056

Result Notes Field personnel are cognizant of their responsibilities for gathering and recording DIMP information.

90. Question Result, ID, References **Sat, GDIM.RR.MECHANICALFITTINGDATAIMPL.R, 192.1009 (191.12)** (also presented in: PRR.REPORT)
Question Text *Have accurate records been maintained documenting mechanical fitting failures that resulted in hazardous leaks?*
Assets Covered **NWN Gorge 8056**
Result Notes **Reviewed reports for 2017, 2018 and 2019. 2019 had 8 defects resulting in leaks. All were PE.**

91. Question Result, ID, References **Sat, GDIM.RR.MECHANICALFITTINGRPTIMPL.R, 192.1009 (191.12)**
Question Text *Did the operator report all mechanical fitting failures that resulted in a hazardous leak for the previous calendar year to PHMSA and State authorities, as appropriate, by March 15th of the next calendar year, and did the reports contain the information required by Department of Transportation Form PHMSA F-7100.1-2?*
Assets Covered **NWN Gorge 8056**

MISCTOPICS.PROT9: OQ Field Inspection

92. 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 **NWN Gorge 8056**
Result Notes **All field employees observed performing covered tasks were qualified. In addition a sampling of personnel who signed records were OQ reviewed and they were qualified.**

93. 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 procedures or operator approved contractor procedures.*
Assets Covered **NWN Gorge 8056**

94. 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 **NWN Gorge 8056**
Result Notes **AOC questions were asked during the performance of covered tasks. No issues.**

MISCTOPICS.OPTRQUAL: Operator Qualification

95. Question Result, ID, References **Sat, TQ.OQ.OQPLAN.O, 192.805(h)**
Question Text *Do individuals performing covered tasks demonstrate adequate skills, knowledge, and ability?*
Assets Covered **NWN Gorge 8056**

96. 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 **NWN Gorge 8056**
Result Notes **All qualifications and requalification dates were confirmed and on site when covered tasks were performed.**

97. Question Result, ID, References **Sat, TQ.OQ.ABNORMAL.O, 192.803**
Question Text *Do individuals performing covered tasks have adequate knowledge to recognize and react to abnormal operating conditions?*
Assets Covered **NWN Gorge 8056**

MISCTOPICS.PUBAWARE: Public Awareness Program Effectiveness

98. 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: PRR.OM)
Question Text *Do records indicate liaisons established and maintained with appropriate fire, police and other public officials and utility owners in accordance with procedures?*
Assets Covered NWN Gorge 8056
Result Notes Reviewed a record of public official contacts. Fire departments are contacted on an annual basis.

99. Question Result, ID, Sat, PD.PA.LANGUAGE.R, 192.616(g) (API RP 1162 Section 2.3.1) (also presented in: PRR.OM)
References
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 NWN Gorge 8056
Result Notes PA section 5.1.2.1 details other language areas. Mainly Spanish with contacts for other languages.

Report Parameters: Results: all

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.