

Inspection Output (IOR)

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Inspection Information

Inspection Name	NWN (Clark) Intrastate Records & Field Inspection	Operator(s)	NORTHWEST NATURAL GAS CO (13840)	Plan Submitted	--
		Lead	Scott Anderson	Plan Approval	--
		Observer(s)	Denise Crawford	All Activity Start	04/30/2018
Status	STARTED	Supervisor	Joe Subsits	All Activity End	05/04/2018
Start Year	2018	Director	Sean Mayo	Inspection Submitted	--
System Type	GD			Inspection Approval	--
Protocol Set ID	WA.GD.2017.01				

Inspection Summary

This was a standard inspection of Northwest Natural Gas Company (NWN) gas distribution system. It involved pre-field days, records review, and field verification. The operator was prepared for the inspection with the required leak surveys, pressure monitoring, OQ records, valve maintenance, marker surveys, odorant testing, and other required tasks were performed as indicated in the O&M manual within the required time frames. The OQ portion of the inspection with the operators performing the covered tasks with knowledge and confidence went well. They were aware of what abnormal operating conditions could arise and how to mitigate these potential safety hazards.

Scope (Assets)

Short # Label	Long Label	Asset Type	Asset IDs	Excluded Topics	Planned	Required	Total Inspected	Required % Complete
1. NWN	Northwest Natural Gas Company	other	13840	Compressor Stations Storage Fields Bottle/Pipe - Holders Offshore GOM OCS Cast or Ductile Iron Copper Pipe Aluminum pipe	126	126	126	100.0%

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

Plans

#	Plan Assets	Focus Directives	Involved Groups/Subgroups	Qst Type(s)	Extent	Notes
1.	NWN	n/a	PRR	P, R, O, S	Detail	
2.	NWN	n/a	FR	P, R, O, S	Detail	

Plan Implementations

Activity #	Activity Name	SMAR T Act#	Start Date	End Date	Focus Directive s	Involved Groups/Subgroup s	Asset s	Qst Type(s)	Planned	Required	Total Inspected	Required % Complete
1	Records & Field	--	04/30/2018	05/04/2018	n/a	all planned questions	NWN	R, O, P	126	126	126	100.0%

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

Forms

No.	Entity	Form Name	Status	Date Completed	Activity Name	Asset
1.	Attendance List	Records & Field	COMPLETED	05/14/2018	Records & Field	NWN

Results (all values, 126 results)

134 (instead of 126) results are listed due to re-presentation of questions in more than one sub-group.

PRR.REPORT: Reporting

- 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**

Result Notes: **7 for 2015 notifications, 3 notifications for 2016, 2 notifications for 2017. Notifications were made in the proper timeframe. No issues.**
- 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**

Result Notes: **NWN has only had 1 mechanical fitting failure since 2015, reviewed the report # MF 15-050. No issues**
- 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 7100.2 (01-2002) within the required timeframe?*

Assets Covered: **NWN**

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

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

Result Notes: **Reviewed NWN annual reports from 2015-2017, 4-7-16 submitted for 2015 annual report, submitted 4-10-17 for 2016, submitted 4-12-18 for 2017. No issues**

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**
 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**
 Result Notes **NWN includes a letter titled Residential and Small-Commercial Customers letter to all new customers. No issues**
8. Question Result, ID, References **Sat, RPT.RR.MAOPINCREASENOTIFY.R,**
 Question Text *Do records indicate submittal of a written plan of procedures to the commission at least forty-five days before uprating to a MAOP greater than 60 psig?*
 Assets Covered **NWN**
 Result Notes **NWN uprated approx. 3.5 miles of pipe from 160 to 250 psig in Ridgefield, WA. Any leaks found were repaired. Submittal of a written plan was submitted months prior to the uprate.**
9. Question Result, ID, References **Sat, RPT.RR.DAILYCONSTRUCTIONRPT.R,**
 Question Text *Do records indicate daily construction and repair activities were emailed to the commission no later than 10 AM each day work is scheduled?*
 Assets Covered **NWN**
 Result Notes **Daily construction reports have been sent in before 10 AM everyday in this inspection timeframe. No issues**

PRR.CORROSION: Corrosion Control

10. 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**
 Result Notes **Reviewed NWN employee David Maynard Corrosion Technician, he is qualified to do corrosion control for CP. No issues**
11. 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**
 Result Notes **NWN does not have any foreign line crossings in WA, reviewed NWN O&M procedure SPW 467 External Corrosion Control: Electrical Isolation. Also reviewed the NWN casing report. No issues.**
12. 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**
 Result Notes **All NWN CP related records list addresses where CP equipment is located. The information is also provided via Mapframe, located on field staff computers in their vehicles, no issues.**
13. 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**
 Result Notes **Reviewed NWN O&M procedure SP 459 for Inspection of Exposed pipe and Internal Pipe Surfaces. Also reviewed NWN Completed Pipe Inspection reports that are filled out whenever any pipe is exposed. No issues.**

14. 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**
 Result Notes **Reviewed NWN rectifier records from 2015 to part of 2018, they are checking rectifiers within the proper time interval.**
15. 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**
 Result Notes **Reviewed NWN CP Annual Site Inspection for 2015 to part of 2018, monitoring tests are occurring as required**
16. 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**
 Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**
17. 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**
 Result Notes **Reviewed NWN form Corrosion Problem Report records for problem sites 103131 NWN site ID 100147, 102860 NWN site ID 100350, 103138 NWN site ID 124042. Any deficiencies were corrected within the required timeframes. No issues.**
18. 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**
 Result Notes **Reviewed NWN O&M procedure SP 459 for Inspection of Exposed pipe and Internal Pipe Surfaces. Also reviewed NWN Completed Pipe Inspection reports that are filled out whenever any pipe is exposed. No issues.**
19. 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 **NWN**
 Result Notes **Reviewed NWN CP Annual Site Inspection list for 2015 to part of 2018. The list gives the address of the, approximately 500 test stations in the Clark County District, there is a sufficient amount. No issues**
20. 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 **NWN**
 Result Notes **Reviewed NWN full system map for documentation of test lead locations. Reviewed NWN O&M manual section SWP 469 CP Test Stations an Test Leads for installing test leads. No issues**
21. 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 **NWN**
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**

22. Question Result, ID, References **NA, FS.FG.CASINGTESTLEAD.R,**
 Question Text *Do records indicate that all casings without vents installed after September 5, 1992 had separate test lead wires installed?*
 Assets Covered **NWN**
 Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**
23. Question Result, ID, References **Sat, FS.FG.CASINGSEALS.R,**
 Question Text *Do records indicate that mains and service lines installed in casing or conduit are sealed at the ends as required?*
 Assets Covered **NWN**
 Result Notes **Reviewed NWN Field Operations Manual for installing steel pipe in a casing, item 13 of the list has to do with sealing both ends of the casing or conduit.**
24. Question Result, ID, References **NA, TD.ICP.CORRGAS.R, 192.491(c) (192.475(a))**
 Question Text *Do the records demonstrate that the corrosive effect of the gas in the pipeline has been investigated and if determined to be corrosive, steps be taken to minimize internal corrosion?*
 Assets Covered **NWN**
 Result Notes **No such activity/condition was observed during the inspection.**
25. 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**
 Result Notes **Although natural gas in WA state is clean tariff quality gas. Reviewed NWN O&M procedure SPW 459 3.2 for internal inspection of pipe and pipe inspection report**
26. Question Result, ID, References **NA, TD.ICP.CORRGASACTION.R, 192.491(c) (192.477)**
 Question Text *Do records document the actions taken when corrosive gas is being transported by pipeline?*
 Assets Covered **NWN**
 Result Notes **No such activity/condition was observed during the inspection.**
27. 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**
 Result Notes **Reviewed NWN O&M procedure SPW 480 for atmospheric corrosion control. Reviewed report records from a sample of sites listed in NWN Atmospheric Corrosion Remediation report, all was remediated within the required time frame. No issues**
28. 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**
 Result Notes **Reviewed NWN O&M procedure SPW 455 section 4 Corrosion Control Requirements. Also Field Operating Manual procedure for applying wax wrap and tape coating. All new installed NWN piping is FBE. Reviewed a sampling of NWN Standard Construction Completion reports, this report includes a section for wrapping joints.**
29. 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**
 Result Notes **No such activity/condition was observed during the inspection.**
30. 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**

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

PRR.PT: Pressure Test

31. 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**

Result Notes **Reviewed NWN O&M procedure SWP 511 Testing New Class B pipelines. Also Field Operating Procedure for class B pipelines. Reviewed a sampling of construction records from 2015-2017, all reports include the required information.**

32. 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**

Result Notes **Reviewed NWN O&M procedure SWP 511 Testing New Class B pipelines. Also Field Operating Procedure for class B pipelines. Reviewed a sampling of construction records from 2015-2017, all reports include the required information.**

33. 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**

Result Notes **Reviewed NWN O&M procedure SWP 511 Testing New Class B pipelines. Also Field Operating Procedure for class B pipelines. Reviewed a sampling of construction records from 2015-2017, all reports include the required information.**

34. 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**

Result Notes **Reviewed NWN O&M procedure SWP 511 Testing New Class B pipelines. Also Field Operating Procedure for class B pipelines. Reviewed a sampling of construction records from 2015-2017, all reports include the required information.**

PRR.UPRATE: Uprating

35. Question Result, ID, References **Sat, 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**

Result Notes **Reviewed records regarding uprate for a portion of NWN's gas system in the Clark County District. The uprate occurred in March of 2018. The records showed that increases in MAOP were determined with accordance to 192.553.**

36. Question Result, ID, References **Sat, 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 192.519 and 192.621?*

Assets Covered **NWN**

Result Notes **Reviewed NWN O&M procedure SWP 555 that has to do with uprating. Records did indicate that increases in MAOP are limited in accordance with 192.619 and 192.621**

37. Question Result, ID, References **Sat, 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**

Result Notes Reviewed NWN records of existing MAOP, operating, and maintenance history of the segments of pipe that was to be updated. No issues

PRR.OM: Operations And Maintenance

38. 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: 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
Result Notes Reviewed NWN record of addresses for appropriate fire, police and other public officials and utility owners. Also reviewed NWN O&M SWP 619 Customer and Public Education.
39. Question Result, ID, Sat, MO.GO.OMANNUALREVIEW.R, 192.605(a)
References
Question Text *Has the operator conducted annual reviews of the written procedures or processes in the manual as required?*
Assets Covered NWN
Result Notes Reviewed WA Standard Practice Review Signatures form for annual review of procedures. No issues.
40. Question Result, ID, Sat, MO.RW.MARKERREPLACE.R,
References
Question Text *Do records indicate that damaged or missing markers were replaced within forty-five days of discovery?*
Assets Covered NWN
Result Notes Reviewed NWN Pipeline Marker Crossing List for 2008 to part of 2018. Markers listed are at the required crossings. Markers that were replaced, were replaced within the 45 day time frame. Also reviewed Standard Construction Completion forms that filled out when markers are replaced.
41. Question Result, ID, Sat, PD.PA.EVALEFFECTIVENESS.R, 192.616(c) (API RP 1162 Section 8.4) (also presented in:
References MISCTOPICS.PUBAWARE)
Question Text *Have effectiveness evaluation(s) of the program been performed for all stakeholder groups in all notification areas along all systems covered by the program?*
Assets Covered NWN
Result Notes Reviewed NWN PA effectiveness evaluations for all stakeholder groups in all notification areas along all systems covered by the program for 2016 and 2017. The evaluation is done yearly in-house. No issues.
42. Question Result, ID, Sat, PD.PA.LANGUAGE.R, 192.616(g) (API RP 1162 Section 2.3.1) (also presented in:
References 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
Result Notes Reviewed PA plan section 5.1.2.1, stating that the materials and messages sent out are sent in English and Spanish. Asian and Russian are also sent out upon request. Reviewed a mailer in Spanish.
43. Question Result, ID, NA, PD.PA.MSTRMETER.R, 192.616(j) (192.616(h), API RP 1162 Section 2.7 (Step 12), API RP 1162
References Section 8.5) (also presented in: MISCTOPICS.PUBAWARE)
Question Text *Do records indicate the public awareness program for a master meter or petroleum gas system operator has met the requirements of Part 192?*
Assets Covered NWN
Result Notes No such relevant facilities/equipment existed in the scope of inspection review.
44. Question Result, ID, Sat, MO.GO.OMHISTORY.R, 192.605(a) (192.605(b)(3))
References
Question Text *Are construction records, maps and operating history available to appropriate operating personnel?*
Assets Covered NWN
Result Notes All NWN company vehicles have FieldSmart on a laptop in their company vehicles which have construction records, maps and operating history available. No issues.
45. Question Result, ID, Sat, MO.GO.OMEFFECTREVIEW.R, 192.605(a) (192.605(b)(8))
References

- 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**
- Result Notes **Reviewed NWN QA inspection reports from 2015-2017. Construction crews are checked at random by NWN QA department.**
46. 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**
- Result Notes **Reviewed NWN patrolling records for 2017 and 2018 for mains and services.**
47. 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**
- Result Notes **Reviewed NWN annual and 5 year leak survey records. No issues**
48. Question Result, ID, References **Sat, MO.RW.MARKERSMAPSDRAW.R,**
- Question Text *Are records sufficient to indicate class location and other areas where pipeline markers are required?*
- Assets Covered **NWN**
- Result Notes **Reviewed NWN Pipeline Marker Crossing List for 2008 to part of 2018. Markers listed are at the required crossings and class locations.**
49. Question Result, ID, References **Sat, MO.RW.MARKERSURVEY.R,**
- Question Text *Do records indicate that pipeline marker surveys were completed and completed in the timeframe specified by WAC 480-93-124?*
- Assets Covered **NWN**
- Result Notes **Reviewed NWN Pipeline Marker Crossing List for 2008 to part of 2018. Markers listed are at the required crossings. Markers are surveyed within the required timeframe.**
50. Question Result, ID, References **NA, MO.RW.TRANSLEAKAGE.R, 192.709(c) (192.706, 192.706(a), 192.706(b))**
- Question Text *Do records indicate transmission leakage surveys conducted as required?*
- Assets Covered **NWN**
- Result Notes **Not a transmission Inspection**
51. Question Result, ID, References **NA, MO.RW.TRANSPATROL.R, 192.709(c) (192.705(a), 192.705(b), 192.705(c))**
- Question Text *Do records indicate that transmission line ROW surface conditions have been patrolled as required?*
- Assets Covered **NWN**
- Result Notes **Not a transmission Inspection**
52. Question Result, ID, References **NA, MO.GOABNORMAL.ABNORMALREVIEW.R, 192.605(a) (192.605(c)(4))**
- Question Text *Do records indicate periodic review of work done by operator personnel to determine the effectiveness of the abnormal operation processes and corrective action taken where deficiencies are found?*
- Assets Covered **NWN**
- Result Notes **NWN Field operating manual for types of AOCs, Reviewed NWN QA inspection reports from 2015-2017. No issues**
53. 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**
- Result Notes **NWN O&M SPW 605 Excavation Damage Prevention Program. NWN is part of the One-Call program. Reviewed lists of contractors that are notified about NWN. Locating is performed by a Locating, Inc. a**

third party contractor. Reviewed dig tickets 15052321, 15093439, 15126238 from 2015. 16025554, 16207438, 16244170, from 2016. 17095459, 17095641 from 2017. No issues.

54. Question Result, ID, NA, MO.GOCLASS.CLASSLOCATESTUDY.R, 192.605(b)(1) (192.609(a), 192.609(b), 192.609(c),
References 192.609(d), 192.609(e), 192.609(f))
Question Text *Do records indicate performance of the required study whenever the population along a pipeline increased or there was an indication that the pipe hoop stress was not commensurate with the present class location?*
Assets Covered NWN
Result Notes NWN completed a class location study 9-27-16. There has been one class location change in the Camas area where the transmission line is. Due to this not being a transmission inspection this is not applicable.
55. Question Result, ID, Sat, EP.ERG.POSTEVTREVIEW.R, 192.605(a) (192.615(b)(1), 192.615(b)(3))
References
Question Text *Do records indicate review of employee activities to determine whether the procedures were effectively followed in each emergency?*
Assets Covered NWN
Result Notes Reviewed NWN QA inspection reports for emergencies, the procedures were effectively followed in each emergency. No issues
56. Question Result, ID, Sat, EP.ERG.TRAINING.R, 192.605(a) (192.615(b)(2))
References
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
Result Notes Reviewed NWN Emergency Response Training list. Field staff is notified through company personnel that emergency response training is due. No issues.
57. Question Result, ID, NA, EP.ERG.INCIDENTANALYSIS.R, 192.605(a) (192.617)
References
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
Result Notes No such activity/condition was observed during the inspection.
58. Question Result, ID, Sat, MO.GOMAOP.MAOPDETERMINE.R, 192.619(a) (192.619(b), 192.621(a), 192.621(b), 192.623(a),
References 192.623(b))
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 NWN
Result Notes Reviewed MAOP calculations for multiple construction jobs for 2016. Calculations were correct. No issues
59. Question Result, ID, Sat, MO.GOODOR.ODORIZE.R, 192.709(c) (192.625(a), 192.625(b), 192.625(c), 192.625(d),
References 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
Result Notes Reviewed NWN Monthly Odorometer Inspections list for 2015 to part of 2018. Odorant levels and inspection intervals meet requirements.
60. Question Result, ID, Sat, AR.RMP.TESTREINSTATE.R, 192.603(b) (192.725(a), 192.725(b))
References
Question Text *From the review of records, did the operator properly test disconnected service lines?*
Assets Covered NWN
Result Notes Reviewed NWN records showing that reinstated service lines were pressure tested. No issues.
61. Question Result, ID, NA, MO.GM.MOVEANDLOWER.R,
References
Question Text *Do records indicate that a study was prepared before moving or lowering a steel gas pipeline as required?*
Assets Covered NWN
Result Notes No such event occurred, or condition existed, in the scope of inspection review.

62. Question Result, ID, References **NA, MO.GM.MOVEANDLOWERSURVEY.R,**
 Question Text *Do records indicate that a leak survey was conducted not more than thirty days after moving and/or lowering a metallic pipeline?*
 Assets Covered **NWN**
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
63. Question Result, ID, References **Sat, MO.GM.ABANDONPIPE.R, 192.709(c) (192.727(a), 192.727(b), 192.727(c), 192.727(d), 192.727(e), 192.727(f), 192.727(g))**
 Question Text *Do records indicate pipelines and facilities were abandoned or deactivated in accordance with requirements?*
 Assets Covered **NWN**
 Result Notes **Reviewed NWN records for deactivation or abandonment of facilities, all that were done were in accordance with the requirements. NWN O&M SPW 727 Abandonment or Deactivation of Gas Facilities**
64. 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 as required and at the specified intervals?*
 Assets Covered **NWN**
 Result Notes **Reviewed NWN District Regulator records, all regulators are inspected/tested as required and done in the specified intervals.**
65. 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 and a new or additional device installed if determined to have insufficient capacity?*
 Assets Covered **NWN**
 Result Notes **Reviewed NWN capacity reports for 2015-2017. Capacity is determined from manufacturers recommendations. No issues.**
66. 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**
 Result Notes **Reviewed NWN records for distribution valve inspections and high pressure distribution valve inspections from 2015 to part of 2018. Any valves that are to be repaired, work orders are already in place for the work to be done.**
67. Question Result, ID, References **NA, FS.FG.VAULTINSPECTFAC.R, 192.709(c) (192.749(a), 192.749(b), 192.749(c), 192.749(d))**
 Question Text *Do records document inspections at the required interval of all vaults having a volumetric internal content of 200 cubic feet (5.66 cubic meters) or more that house pressure regulating/limiting equipment?*
 Assets Covered **NWN**
 Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**
68. 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**
 Result Notes **NWN O&M SWP 751 Preventing Accidental Ignition. Also Reviewed QA QC records from jobs that required fire extinguishers, gas monitors, etc.**
69. 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**

- Result Notes NWN O&M SPW 221 General Welding and Welding Qualifications Test. All welders are certified under API 1104. Reviewed weld tests from Greg Humphry (Brothers Construction), Kyle Rose (NWN), Ben Stiles (NWN). All are API 1104 certified welders
70. Question Result, ID, Sat, TQ.QUOMCONST.WELDER.R, 192.227(a) (192.227(b), 192.229(a), 192.229(b), 192.229(c),
References 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
Result Notes NWN O&M SPW 221 General Welding and Welding Qualifications Test. All welders are certified under API 1104. Reviewed weld tests from Greg Humphry (Brothers Construction), Kyle Rose (NWN), Ben Stiles (NWN). All are API 1104 certified welders. Appendix C welders are re-qualified twice a year
71. Question Result, ID, Sat, TQ.QUOMCONST.NDT.R, 192.243(b)(2) (192.807(a), 192.807(b), 192.328(a), 192.328(b))
References
Question Text *Do records indicate the qualification of nondestructive testing personnel?*
Assets Covered NWN
Result Notes NWN uses third party vendor OWL (Oregon, Washington Laboratories). Reviewed employees Grant Morgan, level 2 technician, Nicole Madden, level 2 technician. Mary Miller level 2 technician. All qualifications expire 2020
72. Question Result, ID, Sat, DC.CO.PLASTICJOINTPROCEDURE.R, 192.273(b) (192.283(a), 192.283(b), 192.283(c), 192.283(d))
References
Question Text *Have plastic pipe joining procedures been qualified in accordance with 192.283?*
Assets Covered NWN
Result Notes NWN O&M SPW 250 Joining of Plastic Pipe and Fittings. NWN joining procedure are qualified in accordance with 192.283.
73. Question Result, ID, Sat, DC.CO.PLASTICJOINTQUAL.R, 192.285(d) (192.285(a), 192.285(b), 192.285(c), 192.807(a),
References 192.807(b))
Question Text *Do records indicate persons making joints in plastic pipelines are qualified in accordance with 192.285?*
Assets Covered NWN
Result Notes Reviewed Employee qualifications for Joe Reynosa qualification expiration 2020, Randy Boespflug qualification expiration 2018
74. Question Result, ID, Sat, DC.CO.PLASTICJOINTINSR.R, 192.287 (192.807(a), 192.807(b))
References
Question Text *Do records indicate persons inspecting the making of plastic pipe joints have been qualified?*
Assets Covered NWN
Result Notes Reviewed multiple NWN field staff qualification tests for fusion, all were good. James Greger does all the fusion testing for NWN employees he is certified.
75. Question Result, ID, Sat, DC.CO.PLASTICPIPESEP.R,
References
Question Text *Do records indicate minimum separation requirements are met for plastic pipelines?*
Assets Covered NWN
Result Notes Reviewed NWN O&M SPW 160 3.5.2. Reviewed NWN Standard Construction Completion forms for construction projects. Depth/Separation Information is a field that is required to be filled out when there is a joint trench.
76. Question Result, ID, Sat, DC.METERREGSVC.REGTEST.R,
References
Question Text *Do records indicate that service regulators have been installed, operated, maintained, tested during initial turn-on and tested when customers experience pressure problems?*
Assets Covered NWN
Result Notes Reviewed NWN Meter Add Completion Form for multiple construction projects
77. Question Result, ID, Sat, MO.RW.LEAKFOLLOW.R,
References
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 NWN

Result Notes Reviewed NWN leak history. Follow-up inspections were performed not more than thirty days following a repair where residual gas remained in the ground. No issues

78. 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 NWN

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

79. Question Result, ID, References Sat, MO.RW.LEAKREPAIRTIME.R,

Question Text Do records indicate that leaks were repaired and re-evaluated in the timeframes specified in WAC 480-93-18601?

Assets Covered NWN

80. Question Result, ID, References Sat, MO.RW.LEAKRECORDS.R,

Question Text Have gas leak records been prepared and maintained as required?

Assets Covered NWN

Result Notes Reviewed NWN Individual Leak History Report, the report has been prepared and maintained as required.

81. 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

Result Notes Not a transmission inspection

FR.FIELDPIPE: Pipeline Inspection (Field)

82. 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

Result Notes All NWN assets are properly marked

83. Question Result, ID, References NA, 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

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

84. 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

Result Notes Where observed, meters and service regulators were located consistent with the requirements of 192.353

85. 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

Result Notes Where observed, meters and service regulators were protected from damage consistent with the requirements of 192.355

86. 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.FIELDPCS)

Question Text Are line markers placed and maintained as required?

Assets Covered NWN

Result Notes Line markers are placed and maintained as required. Any missing or damaged marker is replaced within 45 days.

87. Question Result, ID, [Sat, MO.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.FIELDPCS)
References
Question Text *Are line markers placed and maintained as required for above ground pipelines?*
Assets Covered **NWN**
88. Question Result, ID, [Sat, DC.METERREGSVC.CUSTOMETERREGINSTALL.O, 192.351](#) (192.357(a), 192.357(b), 192.357(c), 192.357(d))
References
Question Text *Are meters and service regulators being installed consistent with the requirements of 192.357?*
Assets Covered **NWN**
Result Notes **Where observed, meters and service regulators are being installed consistent with the requirements of 192.357**
89. Question Result, ID, [NA, DC.METERREGSVC.CUSTOMETEROPPRESS.O, 192.351](#) (192.359(a), 192.359(b), 192.359(c))
References
Question Text *Are customer meter operating pressures consistent with the requirements of 192.359?*
Assets Covered **NWN**
Result Notes **No such activity/condition was observed during the inspection.**
90. Question Result, ID, [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))
References
Question Text *Are customer service lines being installed consistent with the requirements of 192.361?*
Assets Covered **NWN**
Result Notes **No such activity/condition was observed during the inspection.**
91. Question Result, ID, [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))
References
Question Text *Are customer service line valves being installed meeting the valve and locations requirements of 192.363 and 192.365?*
Assets Covered **NWN**
Result Notes **No such activity/condition was observed during the inspection.**
92. Question Result, ID, [NA, DC.METERREGSVC.SVCLINECONNECT.O, 192.351](#) (192.367(a), 192.367(b), 192.369(a), 192.369(b))
References
Question Text *Are customer service lines being installed with connections meeting the requirements of 192.367 and 192.369?*
Assets Covered **NWN**
Result Notes **No such activity/condition was observed during the inspection.**
93. Question Result, ID, [NA, DC.METERREGSVC.SVCLINEMATERIAL.O, 192.351](#) (192.371, 192.373(a), 192.373(b), 192.373(c), 192.375(a), 192.375(b), 192.377)
References
Question Text *Are customer service lines being installed constructed appropriately for the types of materials used?*
Assets Covered **NWN**
Result Notes **No such activity/condition was observed during the inspection.**
94. Question Result, ID, [NA, DC.METERREGSVC.NEWSVCLINENOTUSED.O, 192.351](#) (192.379, 192.379(a), 192.379(b), 192.379(c))
References
Question Text *Are new customer service lines not in use configured in accordance with the requirements of 192.379?*
Assets Covered **NWN**
Result Notes **No such activity/condition was observed during the inspection.**
95. Question Result, ID, [NA, DC.METERREGSVC.EXCSFLOWVLVLOCATE.O, 192.351](#) (192.381(c), 192.381(d), 192.381(e))
References
Question Text *Are service line excess flow valves located and identified in accordance with the requirements of 192.381?*
Assets Covered **NWN**
Result Notes **No such activity/condition was observed during the inspection.**

96. Question Result, ID, References **Sat, DC.METERREGSVC.REGTEST.O,**
 Question Text *Are service regulators operated, maintained, installed and tested during the initial turn-on in accordance with manufacturer's recommendations and WAC requirements?*
 Assets Covered **NWN**
97. Question Result, ID, References **Sat, 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**
98. 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**
99. 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**
 Result Notes **Where Observed, impressed current sources were properly maintained and functioning properly.**
100. Question Result, ID, References **NA, TD.CP.ELECISOLATE.O, 192.467(a) (192.467(b), 192.467(c), 192.467(d), 192.467(e))**
 Question Text *Are measures performed to ensure electrical isolation of each buried or submerged pipeline from other metallic structures unless they electrically interconnect and cathodically protect the pipeline and the other structures as a single unit?*
 Assets Covered **NWN**
 Result Notes **No such activity/condition was observed during the inspection.**
101. Question Result, ID, References **Sat, TD.CPMONITOR.TESTSTATION.O, 192.469**
 Question Text *Do cathodically protected pipelines have a sufficient number of test stations?*
 Assets Covered **NWN**
 Result Notes **NWN has an adequate number of test stations. Approximately 500 in the Clark County District**
102. Question Result, ID, References **Sat, TD.CPMONITOR.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**
103. Question Result, ID, References **Sat, FS.FG.CASING.O,**
 Question Text *Are all casings bare steel and do they have test leads installed on new casings without vents?*
 Assets Covered **NWN**
104. Question Result, ID, References **Sat, FS.FG.CASESEAL.O,**
 Question Text *Does the operator seal both ends of casings/conduits for mains and transmission lines and seal the end nearest the building for service lines?*
 Assets Covered **NWN**
105. Question Result, ID, References **NA, TD.CPMONITOR.INTFRCURRENT.O, 192.473(a)**
 Question Text *Are areas of potential stray current identified, and if found, the detrimental effects of stray currents minimized?*
 Assets Covered **NWN**
 Result Notes **No such activity/condition was observed during the inspection.**

106. Question Result, ID, References **NA, TD.CP.ADJACENTMETAL.O, 192.473(b)**
 Question Text *Are impressed current type cathodic protection systems and galvanic anode systems installed so as to minimize any adverse effect on existing adjacent underground metallic structures?*
 Assets Covered **NWN**
 Result Notes **No such activity/condition was observed during the inspection.**
107. Question Result, ID, References **NA, TD.ICP.CORRGASPRVNT.O, 192.475(a)**
 Question Text *If the transportation of corrosive gas is not allowed, is the transportation of corrosive gas prevented?*
 Assets Covered **NWN**
 Result Notes **No such activity/condition was observed during the inspection.**
108. Question Result, ID, References **NA, TD.ICP.CORRGASACTION.O, 192.477**
 Question Text *Are adequate actions taken when corrosive gas is being transported by pipeline?*
 Assets Covered **NWN**
 Result Notes **No such activity/condition was observed during the inspection.**
109. Question Result, ID, References **Sat, TD.ATM.ATMCORRODEINSP.O, 192.481(b) (192.481(c), 192.479(a), 192.479(b), 192.479(c))** (also presented in: **ATT1FR.FIELDCS**)
 Question Text *Is pipe that is exposed to atmospheric corrosion protected?*
 Assets Covered **NWN**
110. Question Result, ID, References **Sat, AR.RCOM.REMEDIATIONOM.O, 192.487(a) (192.487(b))**
 Question Text *Is anomaly remediation and documentation of remediation adequate for all segments?*
 Assets Covered **NWN**
111. 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**
 Result Notes **Where used, gas monitors were adequate.**
112. Question Result, ID, References **NA, MO.GO.PURGE.O, 192.629(a) (192.629(b))**
 Question Text *Are lines being purged in accordance with 192.629?*
 Assets Covered **NWN**
 Result Notes **No such activity/condition was observed during the inspection.**
113. 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**
114. Question Result, ID, References **Sat, 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**
115. Question Result, ID, References **Sat, MO.GMOPP.MULTIPRESSREG.O,**
 Question Text *Are regulator stations installed in a manner to provide protection between regulator stages?*
 Assets Covered **NWN**
116. 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**

117. Question Result, ID, References **NA, MO.GM.VAULTINSPECT.O, 192.749(a) (192.749(b), 192.749(c), 192.749(d))**

Question Text *Are vault inspections adequate?*

Assets Covered **NWN**

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

118. 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 **NWN**

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

119. Question Result, ID, References **NA, AR.PTI.PLASTICPRESSURETEST.O,**

Question Text *Is plastic pipe installed and backfilled prior to pressure testing?*

Assets Covered **NWN**

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

120. Question Result, ID, References **NA, AR.PTI.EQUIPCALIB.O,**

Question Text *Is pressure testing equipment calibrated according to calibration schedules and procedures?*

Assets Covered **NWN**

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

121. Question Result, ID, References **Sat, DC.CO.PLASTICPIPEPROC.O,**

Question Text *Is plastic pipe handled, stored and installed in accordance with manufacturer's recommendations, including maximum ultraviolet exposure?*

Assets Covered **NWN**

Result Notes **Walked through NWN Clark County yard. All pipe is no older than 2016**

122. Question Result, ID, References **NA, DC.CO.PLASTICWEAKLINK.O,**

Question Text *Is a weak link installed when pulling plastic pipe by mechanical means?*

Assets Covered **NWN**

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

123. Question Result, ID, References **NA, DC.CO.PLASTICPIPESEP.O,**

Question Text *Are plastic pipelines installed with the minimum separation from other utilities as required?*

Assets Covered **NWN**

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

124. Question Result, ID, References **Sat, DC.CO.PLASTICBACKFILL.O,**

Question Text *Is plastic pipe buried in essentially rock-free material or material recommended by the pipe manufacturer?*

Assets Covered **NWN**

125. Question Result, ID, References **NA, DC.CO.PLASTICSQUEEZING.O,**

Question Text *Is the number of times plastic pipe can be squeezed and how far from fittings plastic pipe can be squeezed limited?*

Assets Covered **NWN**

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

126. Question Result, ID, References **Sat, MO.GM.ONSITEPROCS.O,**
Question Text *Are procedures applicable to the work being done located onsite where the work is being done?*
Assets Covered **NWN**
Result Notes **All procedures are available to NWN field staff**

ATT1FR.FIELDCS: Compressor Stations Inspection (Field)

127. 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**
Result Notes **Line markers are placed and maintained as required. Any missing or damaged marker is replaced within 45 days.**
128. 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**
129. Question Result, ID, References **Sat, 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**

GDIM.IMPL: GDIM Implementation

130. 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**
Result Notes **NWN has only had 1 mechanical fitting failure since 2015, reviewed the report # MF 15-050. No issues**

MISCTOPICS.PUBAWARE: Public Awareness Program Effectiveness

131. 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: 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**
Result Notes **Reviewed NWN record of addresses for appropriate fire, police and other public officials and utility owners. Also reviewed NWN O&M SWP 619 Customer and Public Education.**
132. Question Result, ID, References **Sat, PD.PA.EVALEFFECTIVENESS.R, 192.616(c) (API RP 1162 Section 8.4)** (also presented in: PRR.OM)
Question Text *Have effectiveness evaluation(s) of the program been performed for all stakeholder groups in all notification areas along all systems covered by the program?*
Assets Covered **NWN**
Result Notes **Reviewed NWN PA effectiveness evaluations for all stakeholder groups in all notification areas along all systems covered by the program for 2016 and 2017. The evaluation is done yearly in-house. No issues.**
133. Question Result, ID, References **Sat, PD.PA.LANGUAGE.R, 192.616(g) (API RP 1162 Section 2.3.1)** (also presented in: PRR.OM)
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**
Result Notes **Reviewed PA plan section 5.1.2.1, stating that the materials and messages sent out are sent in English and Spanish. Asian and Russian are also sent out upon request. Reviewed a mailer in Spanish.**

134. Question Result, ID, [NA, PD.PA.MSTRMETER.R, 192.616\(j\) \(192.616\(h\), API RP 1162 Section 2.7 \(Step 12\), API RP 1162](#)
References [Section 8.5](#) (also presented in: [PRR.OM](#))

Question Text *Do records indicate the public awareness program for a master meter or petroleum gas system operator has met the requirements of Part 192?*

Assets Covered [NWN](#)

Result Notes [No such relevant facilities/equipment existed in the scope of inspection review.](#)

Report Parameters: Results: all

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