Inspection Output (IOR)

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Inspection Information

Inspection Name	8290 PSE Snohomish Standard Comprehensive	Operator(s)	PUGET SOUND ENERGY (22189)	Plan Submitted	05/05/2021
		Lead	Darren Tinnerstet	Plan Approval	05/06/2021 by Joe Subsits
Status	PLANNED	Observer(s)	Scott Rukke, David Cullom, Dennis Ritter, Lex Vinsel, Anthony Dorrough, Derek Norwood, Scott Anderson	All Activity Start	07/12/2021
Start Year	2021	Supervisor	Joe Subsits	All Activity End	--
System Type	GD	Director	Sean Mayo	Inspection Submitted	--
Protocol Set ID	WA.GD.2020.02			Inspection Approval	--

Inspection Summary

Inspection Scope and Summary

This is a PSE Unit inspection for the Snohomish County District (WUTC Inspection #8290)

Records are physically located in the Georgetown office but were reviewed virtually.

There were no issues noted with this inspection.

Facilities visited and Total AFOD

Pre-audit field : 5/18/21 to 5/20/2021 = 3 AFOD days

Virtual records and field : 7/12/21 to 7/15/21 (records); 8/3/21 to 8/5/21 (field) = 7 AFOD days (exit interview was conducted on 8/5/21)

Summary of Significant Findings
(DO NOT Discuss Enforcement options)

No issues noted

Primary Operator contacts and/or participant

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Scope (Assets)

#	Short Label	Long Label	Asset Type	Asset IDs	Excluded Topics	Planned	Required	Total Inspected	Required % Complete
1.	90870 (1642)	Puget Sound Energy-SNOHOMISH	unit	90870	--	146	146	146	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.	90870 (1642)	Baseline Records (Form 2), Baseline Pipeline Field Inspection (Form 2)	PRO, PRR, FR, GDIM, MMLPGIM, MISCTOPICS, GENERIC	P, R, O, S	Detail

Plan Implementations

#	Activity Name	SMART Act#	Start Date End Date	Focus Directives	Involved Groups/Subgroups	Assets	Qst Type(s)	Planned	Required	Total Inspected	Required % Complete
1.	PSE Snohomish	--	07/12/2021 --	n/a	all planned questions	all assets	all types	146	146	146	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	PSE Snohomish	STARTED	--	PSE Snohomish	90870 (1642)

Results (all values, 146 results)

151 (instead of 146) 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: 90870 (1642)

Result Notes: Reviewed incident notification records for 2018-2020. 18 total state reportable incidents and zero federal.

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: 90870 (1642)

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: 90870 (1642)

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: 90870 (1642)

Result Notes: 2020 submitted 3/12/2021

2019 submitted 3/12/2020

2018 submitted 3/14/2019

5. Question Result, ID, References: Sat, RPT.RR.UTCANNUALREPORTS.R,

Question Text: *Have complete and accurate annual reports been submitted to the commission?*

Assets Covered: 90870 (1642)

Result Notes: 2020 submitted 3/15/2021

2019 submitted 3/13/2020

2018 submitted 3/14/02019

6. Question Result, ID, References: Sat, RPT.RR.MISDATAREPORTS.R,

Question Text: *Has the operator submitted a copy of DOT Drug and Alcohol Testing MIS Data Collection Form to the commission when required?*

Assets Covered: 90870 (1642)

Result Notes: 2018 submitted 3/6/2019

2019 submitted 3/6/2020

2020 submitted 3/9/2021

7. 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: 90870 (1642)

Result Notes: Reviewed mechanical failure reports for 2018-2020. There were 10 failures submitted for audit period from Snohomish County. No trends or outstanding areas of concern.

8. Question Result, ID, References: Sat, RPT.RR.SRCR.R, 191.23(a) (191.23(b), 191.25(a), 191.25(c))

Question Text: *Do records indicate safety-related condition reports were filed as required?*

Assets Covered: 90870 (1642)

Result Notes: Reviewed 4/30/2018 Lynnwood MAOP exceedance. Only one SRC for audit period.

9. Question Result, ID, References: NA, 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: 90870 (1642)

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

10. Question Result, ID, References: Sat, RPT.RR.THIRTYDAYRPT.R,

Question Text: *Has the operator submitted a written report within 30 days following each reportable incident?*

Assets Covered: 90870 (1642)

Result Notes: Reviewed 18 state reportable incidents. All 30 day reports were submitted within timeframe.

11. 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: 90870 (1642)

Result Notes: Reviewed 2018-2020 customer newsletters which are sent via mail and e-mail every February to customers.

12. 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: 90870 (1642)

Result Notes: Reviewed construction activity email log. No issues..

13. Question Result, ID, References: Sat, RPT.RR.PIPELINEMAPPING.R,

Question Text: *Has the operator provided accurate maps (or updates) of all pipelines operating over 250 psig to specifications developed by the commission sufficient to meet the needs of first responders?*

Assets Covered: 90870 (1642)

Result Notes: Reviewed 3/15/2021 map submittal for Golden Givens Project (above 250 psig)

PRR.CORROSION: Corrosion Control

14. 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: 90870 (1642)

Result Notes: Reviewed OQ records for Michelle Gallardov - PSE Corrosion Engineer. All corrosion OQ are up to date and valid.

15. 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: 90870 (1642)

Result Notes: Reviewed SAP system records for CP. Also viewed Corrosion control layer in GIS system ESRI for Snohomish County.

16. 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 90870 (1642)

Result Notes Reviewed power source and test site inspection records for 2018-2020. Spot checked records for equipment calibration. Spot checked remediation for deficiencies found during power source checks (G3 work orders in SAP). No issues identified.

17. 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 90870 (1642)

Result Notes Reviewed Exposed Pipe Condition Reports (EPCR) 1,282 recorded EPCR's in audit period, 32 had low PSP reads. Spot checked remediation work orders for audit period. No issues.

18. 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 90870 (1642)

Result Notes Reviewed test site inspection records for 2018-2020 audit period. See #4 response for EPCR records of PSP on exposed pipe. Spot checked remediation checks of discrepancies. No issues identified. Also reviewed calibration records for CP tech Thane Sunde's CP equipment (half cell, MM).

19. 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 90870 (1642)

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

20. 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 90870 (1642)

Result Notes Reviewed CP records for 2018-2020 audit period. Spot checked that remediations were conducted within 90 days. There were 3 that exceeded the 120 day requirement which were due to permitting and COVID issues in 2020.

21. Question Result, ID, References NA, 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 90870 (1642)

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

22. Question Result, ID, References Sat, 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 90870 (1642)

Result Notes Reviewed 195 casing test site inspections during audit period. 12 low reads, all remediated within 120 days.

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 90870 (1642)

Result Notes Reviewed GOS 2525.1900 Casing procedure.

Reviewed as-built for casing installation which contained the required information regarding sealing of casing endsends.

24. 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 90870 (1642)

Result Notes Reviewed CP records for audit period. Spot checked remediation of discrepancies. No issues.

25. Question Result, ID, References Sat, TD.CP.CASINGINSPECT.R,

Question Text *Do records indicate that annual casing inspections have been performed to ensure electrical isolation from the pipeline?*

Assets Covered 90870 (1642)

Result Notes Reiviewed CP casing inspection records for audit period. No issues.

26. 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 90870 (1642)

Result Notes Reviewed GIS CP map layer in ESRI which show locations of test stations and casings.

27. 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 90870 (1642)

Result Notes Reviewed GOS 2600.1200 for test lead installation procedures. Also view as-builts and GIS CP maps to confirm.

28. Question Result, ID, References Sat, 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 90870 (1642)

Result Notes Operator has regular contact with other utility operators to compare and remediate any interference issues. There were no interference issues documented for 2018-2020 audit period in Snohomish County.

29. 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 90870 (1642)

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

30. 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 90870 (1642)

Result Notes Reviewed two EPCR's for internal corrosion during 2018-2020. Also reviewed remediation records. No issues detected.

31. 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 90870 (1642)

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

32. 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 90870 (1642)

Result Notes reviewed leak survey maps, and patrolling records. (Bridges, slides, exposed pipe is all included). No issues or outstanding concerns.

33. 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 90870 (1642)

Result Notes Reviewed as-built for 6" main extension in Everett (2019). Reviewed material work order for project to verify pipe used is properly coated. No issues.

34. 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 90870 (1642)

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

35. 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 90870 (1642)

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

PRR.PT: Pressure Test

36. 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 90870 (1642)

Result Notes All records and pressure charts included calibration dates and serial model.

Reviewed the following projects:

Lyons Gate (11/14/2018)

Patrick Crosby (4/11/2019) - 2" main extension

Castlewood (9/24/2019) - 2" main extension

Whiskey Ridge Views (5/15/2020) - 2" main extension

RS-2821 Mill Creek (7/23/2018) - Reg station

Mountlake Terrace Reconstruction (9/23/2018) - 6" IP main relocate

Everett Reinforcement project (5/16/2018) - 2" IP main

Dupont Pipe Replacement Bothell (2/26/2020) - 2" main extension

RS-2819 Sultan (8/23/2018) - Reg Station

Dupont pipe Replacement Everett (4/9/2019) - 2" IP main

Dupont Pipe Replacement Edmonds (1/20/2020) - 2" IP main

Everett main relocate (5/23/2019) - 6" HP main relocate

Dupont pipe replacement Mountlake Terrace (3/18/2020) - 2" IP main

Lake Forrest Park Main Extension (5/8/2019) - 1.25" main

Everett main replacement (7/26/2019) - Shallow main replacement 2"

37. 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: 90870 (1642)
Result Notes: Included in question #1

38. 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: 90870 (1642)
Result Notes: included in question #1

39. 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: 90870 (1642)
Result Notes: included in question #1

PRR.UPRATE: Uprating

40. 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: 90870 (1642)
Result Notes: No such event occurred, or condition existed, in the scope of inspection review.

41. 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: 90870 (1642)
Result Notes: No such event occurred, or condition existed, in the scope of inspection review.

42. 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: 90870 (1642)
Result Notes: No such event occurred, or condition existed, in the scope of inspection review.

43. Question Result, ID, References: NA, MO.GOUPRATE.MAOPINCREASECASTDUCTILE.R, 192.553(b) (192.553(c), 192.557(d))
Question Text: *Do records indicate that requirements were followed for increasing the MAOP for cast iron or ductile iron pipe where records are inadequate for evaluating the level of safety of the pipeline when operating at the proposed increased pressure?*
Assets Covered: 90870 (1642)
Result Notes: No such event occurred, or condition existed, in the scope of inspection review.

PRR.OM: Operations And Maintenance

44. Question Result, ID, References: Sat, MO.GO.OMANNUALREVIEW.R, 192.605(a)
Question Text: *Have annual reviews of the written procedures or processes in the manual been conducted as required?*
Assets Covered: 90870 (1642)

Result Notes Reviewed submitalls to Commission. No issues.

Reviewed 2018- 2021 Gas Operating Standards (GOS) new and rescinded standards.

2018-2021 Gas Field Procedures (GFP) new and rescinded standards.

2021 Welding Manual

45. 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 90870 (1642)

Result Notes Gas standards manuals available via web portal on PSE intranet

Image Search (internal PSE database) - digital records of all construction records.

ESRI (PSE internal map database) -

Reviewed MRT compliance dashboard for 2018-2020. 2018 and 2019 were in compliance, 2020 saw significant increases in delayed updating of construction activity (due to COVID restrictions)

46. 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 90870 (1642)

Result Notes External reviews (IFS contractor) - reviewed Gas High Pressure Inspection QAI reports. Also reviewed QAI data spreadsheet which compiled data for audit period.

Internal reviews (PSE) - reviewed Quality Control Investigation Reports for audit period.

47. Question Result, ID, References Sat, MO.GOABNORMAL.ABNORMALREVIEW.R, 192.605(a) (192.605(c)(4))

Question Text *Do records indicate periodic review of work done by operator personnel to determine the effectiveness of the abnormal operation processes and corrective action taken where deficiencies are found?*

Assets Covered 90870 (1642)

Result Notes Reviewed Corrective Action Report (CAR) for North Bend low pressure incident in 2019. Corrective actions were implemented involving notifications to Capacity Planning prior to approval. Operator used root cause analysis to determine appropriate corrective action. Reviewed updated procedure which included the new implemented notifications.

48. 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 90870 (1642)

Result Notes Reviewed 2021 PSE Damage Prevention Plan. GOS 2425.1600, section 3.2 is standard for subscribing to 811 locating service. Reviewed QC report for locating contractor (ELM) which notes a 97% locating completion within two business days. Reviewed PSE High Profile (4" one way feed or larger) report which is a daily report from ELM to operator. Reviewed contractor letter that is sent out to excavator's who damage PSE gas facilities. Reviewed DIRT submission spreadsheet (GREMLIN). 301,988 gas locates performed in 2020.

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

Question Text *Do records indicate performance of the required study whenever the population along a pipeline increased or there was an indication that the pipe hoop stress was not commensurate with the present class location?*

Assets Covered 90870 (1642)

Result Notes All distribution systems are built to class 4 specifications. No studies have been conducted or required due to this construction process being in place.

50. Question Result, ID, References Sat, EP.ERG.POSTEVNTREVIEW.R, 192.605(a) (192.615(b)(1), 192.615(b)(3))

Question Text *Do records indicate review of employee activities to determine whether the procedures were effectively followed in each emergency?*

Assets Covered 90870 (1642)

Result Notes Reviewed Emergency Information and Leak Reporting records for incidents that occurred in 2018-2020. No noted follow ups for 2018-2020. Did review follow up recommendations for incident in 2021 where supervisor requested more detailed information be added to reports from field techs to make records more comprehensible.

51. 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 90870 (1642)

Result Notes Reviewed Emergency response training documents. Training records are incorporated with OQ records. Spot checked GFR OQ records for appropriate emergency procedures training. Refresher training is conducted every 3 years.

52. Question Result, ID, References Sat, EP.ERG.LIAISON.R, 192.605(a) (192.615(c)(1), 192.615(c)(2), 192.615(c)(3), 192.615(c)(4), 192.616(c), ADB-05-03) (also presented in: 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 90870 (1642)

Result Notes Question #9 in OM r

53. 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 90870 (1642)

Result Notes PA plan section 6.3.3 identifies percentages which need to be met to produce messages in alternate languages. There are currently no counties in PSE;s service territory which meet or exceed 15%. Basic safety materials are prepared in 11 different languages. DP brochure "know whats below" is provided in English and Spanish.

54. Question Result, ID, References Sat, PD.PA.EVALEFFECTIVENESS.R, 192.616(c) (API RP 1162 Section 8.4) (also presented in: 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 90870 (1642)

Result Notes Four effectiveness study was completed in June 2021. Data is still being evaluated and analyzed. Reviewed Emergency Responder results. Will review this evaluation in more depth during PA inspection the week of July 20th 2021. Add inspection number.

55. Question Result, ID, References NA, PD.PA.MSTRMETER.R, 192.616(j) (192.616(h), API RP 1162 Section 2.7 (Step 12), API RP 1162 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 90870 (1642)

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

56. Question Result, ID, References Sat, 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 90870 (1642)

Result Notes Reviewed mechanical fitting failure reports

2018-2020 PSE Snohomish County Failure report. 46 failures were documented for audit period. Randomly selected several failures for further analysis. In house testing and examinations are routinely conducted. No external laboratory examinations were conducted during audit period.

57. Question Result, ID, References: Sat, MO.GOMAOP.MAOPDETERMINE.R, 192.619(a) (192.619(b), 192.621(a), 192.621(b), 192.623(a), 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: 90870 (1642)

Result Notes: Reviewed as-builts for:

6" HP main relocate in Everett (5/23/2019). As built contains system MAOP of 250 psig.

Dupont Pipe Replacement Bothell (2/26/2020). As built contains system MAOP of 60 psig. Test pressure was 100 psig.

58. 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: 90870 (1642)

Result Notes: Reviewed records for 2018-2020. No levels above .800 requiring follow up.

59. 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: 90870 (1642)

Result Notes: No such requirement existed in the scope of inspection review.

60. 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: 90870 (1642)

Result Notes: No such requirement existed in the scope of inspection review.

61. 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: 90870 (1642)

Result Notes: reviewed records for 2018-2020. AC inspections done every 3 years in conjunction with patrolling. No significant follow ups. Corrosion levels were level 2 only.

62. Question Result, ID, References: Sat, MO.RW.LEAKFOLLOW.R,

Question Text: *Do records indicate that a follow-up inspection was performed not more than thirty days following a repair where residual gas remained in the ground?*

Assets Covered: 90870 (1642)

Result Notes: Reviewed follow up records for selected leak repairs. No issues.

63. Question Result, ID, References: Sat, MO.RW.DOWNGRADELEAKREPAIR.R,

Question Text: *Do records indicate that leaks that have been downgraded are repaired within twenty-one months?*

Assets Covered: 90870 (1642)

Result Notes: Reviewed follow up records for selected leak repairs. No issues.

64. 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: 90870 (1642)

Result Notes: All leaks repair records were within the required timeframes.

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

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

Assets Covered 90870 (1642)

Result Notes review leak repair records for the following leaks:

N00393347 (2018)

N0113080 (2018)

N0120725 (2018)

N0122083 (2018)

N0124924 (2018)

N0126167 (2019)

N0126580 (2019)

N0126644 (2019)

N0126679 (2019)

N0126698 (2019)

NO127589 (2019)

NO127632 (2019)

NO127793 (2019)

NO127804 (2020)

NO129433 (2020)

66. 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 90870 (1642)

Result Notes

Reviewed maps for 2018-2020 for the following locations

115.071 Collins Salifu (OQ 4/6/2016) instrument #9101551022 6/26/2019 (2019) (PR - every 3 years)

116.085 (2018-2020)

116.086 (2018-2020) Randell Starr (OQ 12/5/2019) #9101551029 3/31/2020

119.075 (2020) (PR Only)

119.076 (2020) (PR Only)

119.077 (2020) (PR)

125.100 (2018-2020)

125.101 (2018-2020)

130.088 (2020)

130.089 (2020) Chad Zamzow (OQ 10/23/2018) #9101733015 1/10/20

130.090 (2020)

135.084 (2018-2020)

135.085 (2018-2020)

135.086 (2018-2020)

140.094 (2019)

140.095 (2019 PR; 2020 Annual)

140.096 (2019 PR)

150.071 (2018 PR)

150.072 (2018-2020)

150.073 (2018-2020)

165.067 (2018-2020)

165.068 (2018-2020)

165.069 (2018-2020)

67. Question Result, ID, References: Sat, MO.RW.CASINGLEAKSURVEY.R,

Question Text: *Do records indicate shorted casings were leak surveyed as required?*

Assets Covered: 90870 (1642)

Result Notes: One shorted casing located at 84th St. and hwy 9 in Marysville. 8" HP STW in 20" casing. Reviewed leak survey records for 2018-2020 for this shorted casing. No issues.

68. Question Result, ID, References: Sat, MO.RW.MARKERSURVEY.R,

Question Text: *Do records indicate that pipeline marker surveys were completed in the timeframe specified by WAC 480-93-124?*

Assets Covered: 90870 (1642)

Result Notes: reviewed records for 2018-2020. Reviewed bridge crossing patrols timeframes (conducted quarterly)

69. Question Result, ID, References: Sat, MO.RW.MARKERREPLACE.R,

Question Text: *Do records indicate that damaged or missing markers were replaced within forty-five days of discovery?*

Assets Covered: 90870 (1642)

Result Notes: Reviewed pipeline marker replacement records. All markers were replaced within 45 days of discovery on records reviewed.

70. Question Result, ID, References: NA, 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: 90870 (1642)

Result Notes: Operator does not do temporary disconnects of service lines. They replace the service.

71. 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: 90870 (1642)

Result Notes: Reviewed Dupont Pipeline Replacement Bothell (2019). Replacement construction notes detail de-activation procedures and references applicable operating standards.

72. 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: 90870 (1642)

Result Notes: Reviewed 2018-2020 Reg station and valve maintenance records. No remediations were discovered during audit period. Reviewed OQ's for pressure control tech Eric Cannon(covered task PSE 192-1803.01 Pressure regulating, limiting, relief devices,) expires 12/31/2023. Also Stephen Gray, expires 2023.

73. Question Result, ID, References: Sat, MO.GMOPP.PRESSREGCAP.R, 192.709(c) (192.743(a), 192.743(b), 192.743(c))

Question Text: *Do records indicate testing or review of the capacity of each pressure relief device at each pressure limiting station and pressure regulating station as required?*

Assets Covered: 90870 (1642)

Result Notes: Reviewed the following relief device capacity records:

RS-2819 Sultan (11/19/2020)

RS-0084 Kenmore (7/1/2020)

RS-1602 Snohomish (7/1/2020)

74. Question Result, ID, References: Sat, DC.METERREGSVC.REGTEST.R,

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: 90870 (1642)

Result Notes: Reviewed GFR records for service regulators installed, operated, maintained and test in 2018-2020. No issues or failures noted.

75. 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 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: 90870 (1642)

Result Notes: Valve maintenance is organized by evacuation concern and hard to reach locations. No valves needed repair or failed inspections during audit years 2018-2020. Reviewed emergency section valve records (performed annually) - no issues or failed inspections noted.

76. Question Result, ID, References: NA, FS.FG.VAULTINSPECT.R, 192.709(c) (192.749(a), 192.749(b), 192.749(c), 192.749(d))

Question Text: *Do records document the adequacy of inspections of all vaults having an internal volume â‰¥200 cubic feet (5.66 cubic meters) that house pressure regulating/limiting equipment?*

Assets Covered: 90870 (1642)

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

77. 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: 90870 (1642)

Result Notes: Reviewed GFP 0100.1040 procedure for Conducting an Emergency Assessment. GOS 2575.2000. Reviewed PSE Form 1284 for recent Seattle Incident (Monday 7/12/21) which documents steps taken during emergency operations and leak responses.

78. Question Result, ID, References: NA, MO.GM.BELLSPIGOTJOINT.R, 192.603(b) (192.753(a), 192.753(b))

Question Text: *Do records indicate that caulked bell and spigot joints were correctly sealed?*

Assets Covered: 90870 (1642)

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

79. Question Result, ID, References: Sat, DC.DPC.FLANGE.R, 192.147(a) (192.147(b), 192.147(c))

Question Text: *Do records indicate flanges and flange accessories meet the requirements of 192.147?*

Assets Covered: 90870 (1642)

Result Notes: Reviewed 2021 PSE Gas Bolt Kit Catalog for specifications.

Reviewed 6" Everett main relocate as-builts. 8" 30FFV(X) flange assembly was used for 8" bind flange.

80. 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: 90870 (1642)

Result Notes: Welding procedures were qualified in 1995 under WNG (see transmission audit for details)

Previous procedure for wire feed is being brought back into manual and welders will be re-qualified under this procedure in 2021. This is not a new procedure but a previously qualified one that was not being used.

81. Question Result, ID, References: Sat, DC.WELDPROCEDURE.ESSENTIAL.R,

Question Text: *Do records indicate that essential variables were measured and documented when welders and procedures were qualified?*

Assets Covered: 90870 (1642)

Result Notes: Reviewed Weld Test Inspection Reports - form used for both procedure and welder qualifications.

Reviewed Harely Mauck Procedure test conducted for Arc II on 6/9/2021. Stan Bouchard is technical trainer for welding procedures.

82. 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: 90870 (1642)

Result Notes: Welder OQ's are performed by PSE (even for IFS)

Reviewed records for:

Bill Root (IFS)

Cody Rutkowski (IFS)

Michael Whaley (IFS)

No Appendix C welders for audit period in Snohomish County

83. 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: 90870 (1642)

Result Notes: Reviewed NDT records for:

RS-2819 Sultan - Nicole May (Radiographic) from OWL (Oregon Washington Laboratories) (2019). OQ recertified 4/14/2017 expires 4/30/2022

Everett 6" HP main relocate - Nicholas Rossiello (Mag Particle) from OWL (2019), OQ re-certified 1/6/2017 expires 12/31/2022.

84. 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: 90870 (1642)

Result Notes: Same response as #37

85. 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: 90870 (1642)

Result Notes: Same response as #39. Also reviewed Robert Ly (IFS) fuser OQ for annual re-qualification.

86. Question Result, ID, References: Sat, DC.CO.PLASTICJOINTINSP.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: 90870 (1642)

Result Notes: Reviewed IFS foreman Tyler Smith OQ

87. Question Result, ID, References: Sat, DC.CO.PLASTICPIPESEP.R,

Question Text: *Do records indicate minimum separation requirements are met for plastic pipelines?*

Assets Covered: 90870 (1642)

Result Notes: Reviewed as-built for Lyons Gate I project (2" main extension). 12" separation is documented in trench detail schematic on as-built.

88. Question Result, ID, References: Sat, MO.GM.EQUIPPLASTICJOINT.R, 192.603(b) (192.756)

Question Text: *Do records indicate equipment used in joining plastic pipe was maintained in accordance with the manufacturer's recommended practices or with written procedures that have been proven by test and experience to produce acceptable joints?*

Assets Covered: 90870 (1642)

Result Notes: Reviewed maintenance records for joining equipment provided by contractor (IFS). Reviewed calibration records for electrofusion machine.

89. 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: 90870 (1642)

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

90. Question Result, ID, References: NA, MO.GM.MOVEANDLOWER.R,

Question Text: *Do records indicate that a study was prepared before moving or lowering a steel gas pipeline as required?*

Assets Covered: 90870 (1642)

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

91. 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 90870 (1642)

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

92. 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 90870 (1642)

Result Notes Reviewed GOS 2525.2500, Table 4-1 for pipeline marker requirements for buried pipelines.

Reviewed Everett 6" HP relocate as-builts. References GOS 2525.2500 and provides.

Reviewed GIS map layer with PLM (pipeline maker) notations.

FR.FIELDPIPE: Pipeline Inspection (Field)

93. 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 90870 (1642)

Result Notes Examined pipe and component materials at Everett station on 8/5/21.

94. 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 90870 (1642)

Result Notes Examined pipe and component materials at Everett station on 8/5/21.

95. 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 90870 (1642)

96. Question Result, ID, References Sat, DC.CO.PLASTICPIPEPROC.O,

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

Assets Covered 90870 (1642)

Result Notes Examined pipe and component materials at Everett station on 8/5/21.

97. 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 90870 (1642)

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

98. 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 90870 (1642)

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

99. Question Result, ID, References NA, DC.CO.PLASTICBACKFILL.O,

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

Assets Covered 90870 (1642)

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

100. Question Result, ID, References Sat, DC.CO.PLASTICSQUEEZING.O,

Question Text *Verify that the operator has limits in place for squeezing plastic pipe.*

Assets Covered 90870 (1642)

101. Question Result, ID, References Sat, DC.METERREGSVC.CUSTMETERREGLOC.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 90870 (1642)

102. Question Result, ID, References Sat, DC.METERREGSVC.CUSTMETERREGPROT.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 90870 (1642)

103. Question Result, ID, References Sat, DC.METERREGSVC.CUSTMETERREGINSTALL.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 90870 (1642)

104. Question Result, ID, References NA, DC.METERREGSVC.CUSTMETEROPPRESS.O, 192.351 (192.359(a), 192.359(b), 192.359(c))

Question Text *Are customer meter operating pressures consistent with the requirements of 192.359?*

Assets Covered 90870 (1642)

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

105. 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 90870 (1642)

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

106. Question Result, ID, References Sat, 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 90870 (1642)

107. 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 90870 (1642)

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

108. Question Result, ID, References Sat, 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)

Question Text *Are customer service lines being installed constructed appropriately for the types of materials used?*

Assets Covered 90870 (1642)

109. 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 90870 (1642)

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

110. Question Result, ID, References Sat, 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 90870 (1642)

111. Question Result, ID, References NA, DC.METERREGSVC.REGTEST.O,

Question Text *Are service regulators operated, maintained, installed and tested during the initial turn-on in accordance with manufacturerâ€™s recommendations and WAC requirements?*

Assets Covered 90870 (1642)

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

112. Question Result, ID, References NA, DC.WELDPROCEDURE.ONSITE.O,

Question Text *Are qualified written welding procedures located onsite where welding is being performed?*

Assets Covered 90870 (1642)

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

113. Question Result, ID, References NA, DC.WELDPROCEDURE.ESSENTIAL.O,

Question Text *Does the operator document essential variables when qualifying welders and weld procedures?*

Assets Covered 90870 (1642)

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

114. 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 90870 (1642)

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

115. Question Result, ID, References Sat, TD.CPMONITOR.MONITORCRITERIA.O, 192.465(a) (192.463(b), 192.463(c), 192.463(a))

Question Text *Are methods used for taking CP monitoring readings that allow for the application of appropriate CP monitoring criteria?*

Assets Covered 90870 (1642)

Result Notes See Form R for field observation records of CP equipment calibrations and testing results.

116. 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 90870 (1642)

Result Notes See Form R for field observation records of rectifier and galvanic system testing results.

117. 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 90870 (1642)

118. Question Result, ID, References Sat, TD.CP.CASINGINSPECT.O,

Question Text *Are casings electrically isolated from the pipeline?*

Assets Covered 90870 (1642)

Result Notes See Form R for field observation records of casing test results.

119. 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 90870 (1642)

120. 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 90870 (1642)

121. Question Result, ID, References Sat, 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 90870 (1642)

122. Question Result, ID, References Sat, 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 90870 (1642)

123. 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 90870 (1642)

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

124. 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 90870 (1642)

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

125. Question Result, ID, References NA, TD.ICP.PIPEBOTTLE.O, 192.475(c)

Question Text *Is gas containing more than 0.25 grain of hydrogen sulfide per 100 standard cubic feet (5.8 milligrams/m3) at standard conditions (4 parts per million) being stored in pipe-type or bottle-type holders?*

Assets Covered 90870 (1642)

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

126. Question Result, ID, References Sat, TD.ATM.ATMCORRODEINSP.O, 192.481(b) (192.481(c), 192.479(a), 192.479(b), 192.479(c))

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

Assets Covered 90870 (1642)

Result Notes See Form R for field observation records of above ground bridge crossing inspections.

127. 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 90870 (1642)

128. Question Result, ID, References NA, TD.CP.GRAPHITIZE.O, 192.489(a) (192.489(b))

Question Text *Has there been adequate remediation for the graphitization of cast iron or ductile iron pipe?*

Assets Covered 90870 (1642)

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

129. 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 90870 (1642)

Result Notes See Form R for field observation records of Odorization tests conducted during audit.

130. 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 90870 (1642)

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

131. 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)

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

Assets Covered 90870 (1642)

132. 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)

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

Assets Covered 90870 (1642)

133. 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 90870 (1642)

Result Notes See Form R for field observation records of regulator stations tested during field audit. Observed lock up and relief testing for six regulator stations.

134. 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 90870 (1642)

135. 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 90870 (1642)

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

Question Text *Is proper inspection 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 90870 (1642)

Result Notes See Form R for field observation records of valves checked and partially operated during field audit.

137. 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 90870 (1642)

138. 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 90870 (1642)

139. Question Result, ID, References NA, FS.FG.VAULTINSPECT.O, 192.749(a) (192.749(b), 192.749(c), 192.749(d))

Question Text *Are inspections of selected vaults with internal volume â‰¥200 cubic feet (5.66 cubic meters) housing pressure regulating/limiting equipment adequate?*

Assets Covered 90870 (1642)

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

140. 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 90870 (1642)

141. Question Result, ID, References: NA, MO.GM.BELLSPIGOTJOINT.O, 192.753(a) (192.753(b))

Question Text: *Do records indicate that caulked bell and spigot joints were correctly sealed?*

Assets Covered: 90870 (1642)

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

142. Question Result, ID, References: NA, MO.GM.CASTIRONPROTECT.O, 192.755(a) (192.755(b))

Question Text: *Is adequate protection in place for segments of a buried cast-iron pipeline for which support has been disturbed?*

Assets Covered: 90870 (1642)

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

143. Question Result, ID, References: Sat, MO.GM.EQUIPPLASTICJOINT.O, 192.756

Question Text: *Is proper maintenance being performed on equipment used in joining plastic pipe in accordance with the manufacturer's recommended practices or with written procedures that have been proven by test and experience to produce acceptable joints?*

Assets Covered: 90870 (1642)

144. 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: 90870 (1642)

Result Notes: PSE Pressure control personnell had hard copies onsite of regulator data sheets, schematics, and procedures for each regulator station inspected.

145. Question Result, ID, References: Sat, AR.PTI.EQUIPCALIB.O,

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

Assets Covered: 90870 (1642)

Result Notes: See Form R for field observation records of pressure testing equipment calibrations.

146. Question Result, ID, References: NA, AR.PTI.PLASTICPRESSURETEST.O,

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

Assets Covered: 90870 (1642)

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

GDIM.IMPL: GDIM Implementation

147. 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: 90870 (1642)

Result Notes: Reviewed mechanical failure reports for 2018-2020. There were 10 failures submitted for audit period from Snohomish County. No trends or outstanding areas of concern.

MISCTOPICS.PUBAWARE: Public Awareness Program Effectiveness

148. 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: 90870 (1642)

Result Notes: Question #9 in OM r

149. 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: 90870 (1642)

Result Notes: PA plan section 6.3.3 identifies percentages which need to be met to produce messages in alternate languages. There are currently no counties in PSE;s service territory which meet or exceed 15%. Basic safety materials are prepared in 11 different languages. DP brochure "know whats below" is provided in English and Spanish.

150. 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: 90870 (1642)

Result Notes: Four effectiveness study was completed in June 2021. Data is still being evaluated and analyzed. Reviewed Emergency Responder results. Will review this evaluation in more depth during PA inspection the week of July 20th 2021. Add inspection number.

151. Question Result, ID, References: NA, PD.PA.MSTRMETER.R, 192.616(j) (192.616(h), API RP 1162 Section 2.7 (Step 12), API RP 1162 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: 90870 (1642)

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

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.