

Inspection Output (IOR)

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Report Filters

Assets Puget Sound Energy- KING EAST / 90868 (1881)

Results All

Inspection Information

Inspection Name	8449 - PSE - King County East	Operator(s)	PUGET SOUND ENERGY (22189)	Plan Submitted	02/03/2022
Status	PLANNED	Lead	David Cullom	Plan Approval	02/04/2022 by Scott Rukke
Start Year	2022	Team Members	Derek Norwood	All Activity Start	06/07/2022
System Type	GD	Supervisor	Scott Rukke	All Activity End	06/17/2022
Protocol Set ID	WA.GD.2021.02	Director	Sean Mayo	Inspection Submitted	--
				Inspection Approval	--

Inspection Summary

Inspection Scope and Summary

This inspection was standard inspection that occurs every three years and consisted of a records, several procedures, and field review.

There was (1) NOPV for not having records of OQ credentials for personnel to perform odorant sniff tests. The rest of the inspection for the records and field portion went smoothly.

Facilities visited and Total AFOD

Regulator stations, Valves, Odorant test sites, CP test sites

Total AFODs - 7

Summary of Significant Findings

There was (1) NOPV for not having records of OQ credentials available for personnel to perform odorant sniff tests. The rest of the inspection for the records and field portion went smoothly.

Primary Operator contacts and/or participants

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Scope (Assets)

#	Short Name	Long Name	Asset Type	Asset IDs	Excluded Topics	Planned	Required	Inspected	Total	Required % Complete
1.	90868 (1881)	Puget Sound Energy-KING EAST	unit	90868	Storage Fields Bottle/Pipe - Holders Offshore GOM OCS Cast or Ductile Iron Copper Pipe Abandoned Aluminum/Amphoteric	145	145	145	145	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.	90868 (1881)	WUTC Standard	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	Inspected	Total	Required % Complete
1	Records and Field	--	06/07/2022	06/17/2022	WUTC Standard Inspection	PRO, PRR, FR, GDIM, MMLPGIM, MISCTOPICS, GENERIC	90868 (1881)	all types	145	145	145	145	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".
- 3. Question counts and completion percents are filtered to include only questions planned for and results applied to the filtered Assets.

Forms

No items matched the search conditions.

Results (all values, 145 results)

150 (instead of 145) results are listed due to re-presentation of questions in more than one sub-group.

PRO.SUBLNORMOPS: Normal Operating And Maintenance

1. Question Result, ID, References Sat, MO.GO.ODDOR.P, 192.605(a) (192.605(b)(11))
Question Text *Does the process require prompt response to the report of a gas odor inside or near a building?*
Assets Covered 90868 (1881)
Result Notes GOS 2425.1400 Section 4.3 contains the steps and actions when receiving notice of an odor call. Other field procedures exist for detailed steps in FP 4625.1160.

Also 2475.1000 has the notice requirements. This was reviewed in the Kittitas inspection.

PRR.REPORT: Reporting

2. Question Result, ID, References NA, 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 90868 (1881)
Result Notes No such event occurred, or condition existed, in the scope of inspection review. There was one in West King on 10-11-2019. NA for East King.
3. 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 90868 (1881)
Result Notes No such event occurred, or condition existed, in the scope of inspection review.
4. 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 90868 (1881)
Result Notes No such event occurred, or condition existed, in the scope of inspection review. No supplemental reports during this inspection timeframe.
5. Question Result, ID, References Sat, RPT.RR.ANNUALREPORT.R, 191.11(a)
Question Text *Have complete and accurate Annual Reports been submitted?*
Assets Covered 90868 (1881)
Result Notes Annual reports are to be reviewed during our Annual Review inspection which will also cover Section 114 items this year.
6. Question Result, ID, References Sat, RPT.RR.UTCANNUALREPORTS.R,
Question Text *Have complete and accurate annual reports been submitted to the commission?*
Assets Covered 90868 (1881)
Result Notes Annual reports will be evaluated during the annual review inspection occurring later within this inspection year.
7. 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 90868 (1881)
Result Notes The operator has submitted the MIS reports for the inspection time period.

8. 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 **90868 (1881)**
 Result Notes **Submitted annually to PHMSA on annual report beginning in 2021, 2019 and 2020 were submitted as events occurred**

Submitted all leaks to UTC by March 15 and hazardous leaks are submitted within 5 days of analysis

Reviewed annual submissions for 2019, 2020 and 2021
9. Question Result, ID, References **NA, 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 **90868 (1881)**
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
10. 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 **90868 (1881)**
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review. Derek Koo and Erik Engels looked for uprates. There were none.**
11. 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 **90868 (1881)**
 Result Notes **The operator has been diligent on submitting the 30 day follow-up reports.**
12. 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 **90868 (1881)**
 Result Notes **In 2021, PSE enhanced their customer notification pamphlet for new customers. Messages were shown prior for 2019 and 2020. They showed brochures and mailers for new customers indicating their responsibility for lines not maintained by the operator. This was reviewed in the Kittitas unit during this inspection cycle.**
13. 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 **90868 (1881)**
 Result Notes **PSE has not had any issues with daily crew sheet reporting. They submit their reports on time and they are accurate as to the crews location.**
14. 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 **90868 (1881)**
 Result Notes **I looked at the OSAVE submission for 2/18/2022 covering last years changes during the Kittitas unit inspection this year.**

PRR.CORROSION: Corrosion Control

15. 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 90868 (1881)
Result Notes Scott Husted - PSE 192-0501.03 5/21/2018 12/31/22 exp PSE 192-0505.01 7/10/2018-12/31/2022 Please see the Quickbase Form R linked in this inspection for additional CP tech qualifications.

16. 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 90868 (1881)

Result Notes SAP stores much of the information. Maps are also used. Debbie Larson presented this and stated they are also in GIS or on the D-4 cards.

17. Question Result, ID, References Sat, TD.CP.MONITOR.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 90868 (1881)

Result Notes 2056227 G3 was reviewed. The rectifiers, GA IC TSs and The 9 year reads (~10,000 records) looked good and there were no issues. We also discussed at the method to check inserted steel in cast iron.

18. Question Result, ID, References Sat, TD.CP.EXPOSED.EXPOSEINSPECT.R, 192.491(c) (192.459)

Question Text *Do records adequately document that exposed buried piping was examined for corrosion?*
Assets Covered 90868 (1881)

Result Notes There were 171 EPCRs for this inspection time period. Several were reviewed.

19. Question Result, ID, References Sat, TD.CP.MONITOR.TEST.R, 192.491(c) (192.465(a))

Question Text *Do records adequately document cathodic protection monitoring tests have occurred as required?*
Assets Covered 90868 (1881)

Result Notes Records were reviewed, were numerous for this unit, and completed on time.

20. Question Result, ID, References NA, TD.CP.MONITOR.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 90868 (1881)

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

21. Question Result, ID, References Sat, TD.CP.MONITOR.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 90868 (1881)

Result Notes We reviewed records showing remediation and, for example M-5s, for too much CP current being applied.

22. 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 90868 (1881)

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

23. 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 90868 (1881)

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

24. 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 90868 (1881)
- Result Notes This is checked during the construction inspections and is in the procedure. The forms that were reviewed did not have an explicit place to store entries for sealing or "foaming".
25. 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 90868 (1881)
- Result Notes The CP records contain fields and values to document isolation for casings and were reviewed.
26. 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 90868 (1881)
- Result Notes These records were reviewed for 2019-2021 and there were no issues.
27. Question Result, ID, References Sat, TD.CP.MONITOR.TESTSTATION.R, 192.469
- Question Text *Do records identify the location of test stations and show a sufficient number of test stations?*
- Assets Covered 90868 (1881)
- Result Notes In East King there were for both IC and GA test sites. ~11278 locations were reviewed and several G3s were checked in greater detail. The G3s are created if there is an issue with a G1. The G1 is the scheduled task that is done first to meet a compliance timeframe.
28. Question Result, ID, References Sat, TD.CP.MONITOR.TESTLEAD.R, 192.491(c) (192.471(a), 192.471(b), 192.471(c))
- Question Text *Do records document that pipelines with cathodic protection have electrical test leads installed in accordance with requirements of Subpart I?*
- Assets Covered 90868 (1881)
- Result Notes PSEs lines have test leads and typically 2 leads for the carrier and 2 leads for a casing for redundancy.
29. Question Result, ID, References NA, TD.CP.MONITOR.INTFRCURRENT.R, 192.491(c) (192.473(a))
- Question Text *Do records document an effective program is in place to minimize detrimental effects of interference currents and that detrimental effects of interference currents from CP systems on other underground metallic structures are minimized?*
- Assets Covered 90868 (1881)
- Result Notes No such event occurred, or condition existed, in the scope of inspection review.
30. Question Result, ID, References Sat, 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 90868 (1881)
- Result Notes If pipe is removed it is documented on the EPCR for internal corrosion.
31. 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 90868 (1881)
- Result Notes We reviewed EPCRs for abandonment and there were no entries for IC.
32. 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 90868 (1881)

Result Notes No such event occurred, or condition existed, in the scope of inspection review. GSI monitors for this. There are not any RNG sources that are not checked for gas quality and internal corrosion checks for cutouts are captured on the EPCRs. The gas supplier has been constant.

33. 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 90868 (1881)

Result Notes

- PSE conducts leak surveys that are normally 5 years every 3 years and perform atmospheric corrosion checks while conducting the leak surveys. For pressure limiting and regulation station atmospheric corrosion checks, they are done every year. Bridges are evaluated every year.

During the pressure limiting station records portion of this inspection I reviewed the atmospheric corrosion evaluation records.

34. Question Result, ID, References NA, 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 90868 (1881)

Result Notes No such relevant facilities/equipment existed in the scope of inspection review. Records reviewed were for PE systems this inspection cycle.

35. Question Result, ID, References NA, TD.ICP.EVALUATE.R, 192.491(c) (192.487)

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

Assets Covered 90868 (1881)

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

36. Question Result, ID, References NA, AR.RCOM.REPAIR.R, 192.487 (192.489)

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 90868 (1881)

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

PRR.PT: Pressure Test

37. 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 90868 (1881)

Result Notes Most records selected for review were IP systems and the details are in the following question. One HP job was reviewed. Job #109123828 8" STW HP Relocation. MAOP of 250.

38. 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) (except for service lines and plastic pipelines)?

Assets Covered 90868 (1881)

Result Notes We reviewed GIS information that contains many of the required variables but the master record is still contained in the as-built. D-4 for services and the as-built drawing for the main installations.

Jobs reviewed:

107055685

1. Gas pipeline company's name, PSE
2. Employee's name, Degraafe, Peter 253-310-1000 107055685 Black Diamond & ten Trails Pkwy Black Diamond Plat PUB19-0020
3. Test medium used, Air
4. Test pressure, 100

5. Test duration, 24.5 hrs 5/30/2019 to 5/31/2019
6. Line pipe size and length, 1203' 8" and 6"
7. Dates and time, and
8. Test results. "P" is checked

107056796

1. Gas pipeline company's name, PSE
2. Employee's name, Testing (Andy Kaperick) (Foreman) Green, Anthony 253-320-1200
107056796 3933 S Brandon St Seattle 1.00 Main Install 389805
3. Test medium used, Air
4. Test pressure, 102
5. Test duration, 1 hr
6. Line pipe size and length, 2" 78'
7. Dates and time, and 5/6/2019
8. Test results. "P" is checked

109136163

1. Gas pipeline company's name,
2. Employee's name, (Tester Colin Henkin) Larson, Nate 206-681-5234 109136163 424 S
Henderson St Seattle 1.00 Main Replacement SUUMP0000119
3. Test medium used, Air
4. Test pressure, 100
5. Test duration, 1 hour
6. Line pipe size and length, 4" 56' and 6" 2'
7. Dates and time, and 7/19/2021
8. Test results. "P" is checked

186060144

This was a Dupont Pipe replacement and it was a repair on 6/25/2021, but it was not tested until later under another work order.

109113839

Segment #1 - Sheet 3

1. Gas pipeline company's name, PSE
2. Employee's name, On Sheet 1 Cody Baxter
3. Test medium used, Air
4. Test pressure, 110
5. Test duration, 8hr
6. Line pipe size and length, Some 6" and some 2" ~2440'
7. Dates and time, and 8/20/21
8. Test results. Pass

39. 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 90868 (1881)

Result Notes D-4s reviewed:

109107300 1-18-2019 Pressure 100psig 20 min 1 1/8" PE 130 total feet. The tester was Tim Hyatt. EFV installed. Air was the medium. Test Passed

109118617 2-19-2019 Pressure 100psig 15 min 1 1/8" PE 62 total feet. The tester was Sequoia Depoe. EFV 775 installed. Air was the medium. Passed

109132478 10-28-2020 Pressure 110psig 15 min 1 1/8" PE 140 total feet. The tester was L Garbish. EFV 2600 installed. Air was the medium. Passed

40. 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 **90868 (1881)**
 Result Notes **The pressure testing records were reviewed in the construction job review portion.**

PRR.UPRATE: Uprating

41. 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 **90868 (1881)**
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review. During this audit period, none have occurred.**
42. 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 **90868 (1881)**
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review. During this audit period, none have occurred.**
43. 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 **90868 (1881)**
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review. During this audit period, none have occurred.**

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 **90868 (1881)**
 Result Notes **Reviewed records for 2019, 2020 and 2021 showing that PSE reviews were performed.**
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 **90868 (1881)**
 Result Notes **The GFRs use Tensing and can have downloaded maps on their computer.**
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 **90868 (1881)**
 Result Notes **Several examples include, near misses are now documented in GERFs (new in 2019), 30 Day Follow-up review, leak survey self assessments conducted by QMS. There is also annual personnel review.**
47. Question Result, ID, References **NA, 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 **90868 (1881)**
 Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**

48. Question Result, ID, References **Sat, EP.ERG.POSTEVTREVIEW.R, 192.605(a) (192.615(b)(1), 192.615(b)(3))**
 Question Text *Do records indicate review of employee activities to determine whether the procedures were effectively followed in each emergency?*
 Assets Covered **90868 (1881)**
 Result Notes **As part of PSMS they fill out Gas Event Review Forms. There were 5 examples in 2019 and one in 2020. I reviewed several examples. It is a new program from 2019.**
49. 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 **90868 (1881)**
 Result Notes **The (GERFs) from the previous question can help evaluate for emergency response to verify training and the OQ Records reviewed for GFRs. GZinke is a GFR and we looked at emergency response training for a broken service for 6-23-2020 for George Zinke.**

Valentine Dikov OQ for ES Valve and Robert Lemon was requested. He had practical broken service scenario training on 7-23-20. Evaluated by Daniel Perdue. Robert Lemon had practical broken service scenario training performed on 6-22-20. Also, evaluated by Daniel Perdue.
50. 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 **90868 (1881)**
 Result Notes **List of public officials developed by PAPA, PSE develops and maintains emergency official contacts. Baseline emails sent in September each year by PAPA.**

PSE also sends supplemental emails and contacts emergency officials by phone each year
51. 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 **90868 (1881)**
 Result Notes **Materials developed in 11 other languages, information to excavators provided in English, Spanish and Russian**
52. 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 **90868 (1881)**
 Result Notes **Every 4 years there is a effectiveness 2017 and 2021. It was been completed by Escalent for the past several cycles. The questions were changed and then benchmarked with (DPAC) Distribution Public Awareness Council.**
53. 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 **90868 (1881)**
 Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**
54. 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 **90868 (1881)**

Result Notes They have mechanical fitting failures (contained in a prior IA question) that they determine the probable cause from, which is subset of this question.

Foreign leak letters sent were looked into by PSE compliance staff. When a Form 1192 cannot be handed to an adult person, letters are sent out. Example shown on was a CO ppm 2000+ on a furnace exhaust reading. Another from Dec 30, 2019 showed a leak from a foreign source. Sept 29, 2020 another unsafe gas equipment red tag was shown. There were 12 items total provided.

55. Question Result, ID, References Sat, PD.DP.PDPROGRAM.R, 192.614(c)

Question Text *Does the damage prevention program meet minimum requirements specified in 192.614(c)?*

Assets Covered 90868 (1881)

Result Notes Emails sent two times per year to excavators for damage prevention purposes, reviewed records for 2019, 2020 and 2021. Email list developed from excavators listed on dig tickets. PSE is also using risk based software to identify higher risk excavations and excavators to send personnel onsite to observe and communicate with contractors. Program is called Urbint

56. 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 90868 (1881)

Result Notes Job #109123828 8" STW HP Relocation. MAOP of 250. We reviewed components to review their design pressure and they showed the materials sheet. System MAOPs are maintained in a spreadsheet with main IDs. The test pressure for the segment is recorded and that determines the system MAOP.

57. 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 90868 (1881)

Result Notes Machines for odorant testing include:
2000852010, 2000852005, 2000852001, 2001032014, 2001032015

Gas odorant readings had no exceedances and the odorant had no AOCs for not enough odorant

58. 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 90868 (1881)

Result Notes Please see the attached spreadsheet for the leak surveys reviewed.

Patrols were reviewed for PBS

The leak self assessment was performed. The leak survey self audits are done every three years. Records were reviewed for 10/14/2021. Josie Conzemius did the review of the GFR H2RL leak surveys ~3400. There were some items that PSE inspected for and provided feedback to their staff.

Slides were reviewed for this inspection.

PBS-0263 was reviewed for the last three years and they met the quarterly and annual requirements.

PBS-0226 was reviewed for the last three years and they met the quarterly and annual requirements.

59. 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 90868 (1881)

Result Notes N0121938 7/01/21 Leaking a service tee W/O 5 doesn't indicate any residual gas. It was a C leak from the beginning to the end. I reviewed the prior years to make sure it was evaluated.

N0119770 Leak W/O 4 2/11/2021 repaired with a leak clamp. Checked once per year. No residuals. Was a C leak the entire time I reviewed the dates and it was evaluated each year.

N0127523 W/O 1 10/29/19 It was B1 leak on a valve. Reported on 10/1/19 repaired on 10/29/19. Reported by Hydro Max.

N0127695 W/O 2 1/18/2021 Grade C It was an old gas light. 11/30/2020 was the original W/O. It was discovered in a HUSA (Hydro Max) survey.

N0129447 W/O 1 Leaking service tee. Installed a punch tee cap. 6/26/2020 and it was repaired 6/26/2020

N0129100 3/20/2020 W/O 1 Tightened cap to complete the repair and reported by HydroMax the same day.

N0129941 FU with 15% LEL 10/12/2020 came back out 11/9/2020. 0%

N0129876 FU with greased valve 11/4/2020 50% gas and they still had gas 11/30/2020 2%, 12/18/2020 2%, and 12/30/2020 0%

N0129822 FU leaking weld that was repaired and had 3/10/2021 2% LEL 4/6/2021 and they found 2% gas 5/3/2021 0% gas

60. 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 90868 (1881)

Result Notes There were 3 examples:

N0129552 In Seattle. It was a BA leak. Aspirated from 45% GOM (gas) down to 0% at one location and 5% at another. It was regraded from a BA to B1. The time to repair after the downgraded 7/17/2020. On 1/26/2021 it was repaired.

N0129944 In Auburn. It was a B1 to start then to BA then to a A then a BA. Total time was: Found on 10/12/2020 and repaired on 11/6/2020.

N0129781 In Bellevue. The initial report was a HydroMax leak downgraded from a B1 to a B2. Then upgraded to a B2. 2/26/2021 downgrade on 9/15/2021 and then repaired on 10/18/2021.

61. 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 90868 (1881)

Result Notes No leaks reviewed exceeded the repair time frames allowed.

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

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

Assets Covered 90868 (1881)

Result Notes Leak records had no issues.

63. 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 90868 (1881)

Result Notes The plats reviewed are attached in the Excel file.

64. Question Result, ID, References Sat, MO.RW.CASINGLEAKSURVEY.R,

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

Assets Covered 90868 (1881)

Result Notes Shorted casings were leak surveyed and maps were presented during the leak survey portion. The I-405 casing, among others, was reviewed.

65. 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 90868 (1881)

Result Notes I chose the plats and markers below to verify.

PM-04791 on PT-01038 performed 8/20/14 and 5/9/2019

PM-05295 on PT-01097 performed 8/27/14 and 7/26/2019

PM-04663 on PT-01020 performed 8/14/14 and 5/1/2019

PM-08726 on PT-00930 performed 10/7/14 and 4/24/2019

66. Question Result, ID, References NA, MO.RW.MARKERREPLACE.R,

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

Assets Covered 90868 (1881)

Result Notes None noted in this area for this inspection time period. No such event occurred, or condition existed, in the scope of inspection review.

67. Question Result, ID, References Sat, AR.RMP.TESTREINSTATE.R, 192.603(b) (192.725(a), 192.725(b))

Question Text *From the review of records, did the operator properly test disconnected service lines?*

Assets Covered 90868 (1881)

Result Notes I reviewed a service in LMS of a disconnected line:

Leak Number N0132022 23202 109th ST CT E Buckley where 1' was cut in and they retested to 102 psig from the break location downstream. They bar hole tested back to the main.

Leak Number N0132107 100 15 min test 117' test. Installed 3 feet 5/8" PE

68. 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 90868 (1881)

Result Notes 171 total stations and we reviewed the annual inspection dates for 3 years 2019-21 and the annual checks appeared to meet the deadlines. I reviewed numerous station lockup and over pressure protection testing records.

69. 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 90868 (1881)

Result Notes List presented by operator of all DRs. When it is designed they do the calculations. Each year they perform the review.

For RS-2737 I looked at the original. Tony Sayavong reviewed on August 17, 2021.

For RS-2709 I looked at the original. Tony Sayavong reviewed on August 18, 2021.

For RS-2485 I looked at the original. Erik Engels reviewed on July 28, 2021.

For RS-1768 I looked at the original. Erik Engels reviewed on July 13, 2021.

70. 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 **90868 (1881)**
 Result Notes **Poor pressure orders (9) were provided across the system for industrial meter. #3001900333 was reviewed for the Moore Hotel. PSE was delivering .28lbs with all equipment running. #3001931816 was also reviewed. Customer was having lower pressure delivery than was expected. #300971709 at 3903 Factoria Blvd SE was reviewed. The valve was found partially closed and was adjusted back to full open.**
Service turn on manometer testing is part of the procedure, but no records were available explicitly for that task.
71. 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 **90868 (1881)**
 Result Notes **In East King there are 725 Emergency Section Valves, we reviewed those and looked at 287 records for valves other than HOS and regulator station inlet/outlets. No valve issues noted on the annual inspections from 2019-2021.**
72. 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 =200 cubic feet (5.66 cubic meters) that house pressure regulating/limiting equipment?*
 Assets Covered **90868 (1881)**
 Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**
73. 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 **90868 (1881)**
 Result Notes **Prevention of Accidental Ignition GOS 2575.2000 is the standard. Grounding, bonding cables, fire extinguisher use, maintenance requirements for fire extinguishers. Static electricity mitigation is in GOS 4700.1900. JHAs were reviewed for 107055685 and it identifies safety steps. It was a PE job. 4/24/2019, 4/25/2019, 4/26/2019, 5/31/2019. The 5/31/2019 had grounding for purging operations.**
74. 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 **90868 (1881)**
 Result Notes **These are documented on as-built drawings. We reviewed a job for RS-2834 that had the flanges on it.**
75. Question Result, ID, References **NA, 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 **90868 (1881)**
 Result Notes **No new procedures were qualified during this inspection time period. The existing welding procedures are contained in the welding manual. No such event occurred, or condition existed, in the scope of inspection review.**
76. 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 **90868 (1881)**
 Result Notes **OQ records requested for welders RS-2834 (9-21-2021) showing the qualification test of the welders. Mike Whaley's test date was reviewed and time of travel was recorded on the top cap (3 pass .250 WT) of 7.2 IPM (5-18IPM in standard) in the butt qualifications 3-23-2021. Fillet had no IPM**

travel. The sleeve had a top cap (pass 3) IPM of 6.7 IPM nothing for the other 2 passes .250 WT. PSE was verbally reminded that they need to record time of travel for all passes per the WAC and their welding procedure. Not just the top caps.

77. 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 90868 (1881)
Result Notes Welder qualification records were reviewed during the construction records portion of this inspection.
78. 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 90868 (1881)
Result Notes 4/22/2019 109103160 1633 6in STW 98034 IP was requested. It was not an HP job so the operator provided an alternate job. The job was #109123828. The person performing the Mag Particle MPI was Nicole May from OWL. The radiograph butt welds were done by the same technician. The date of the job was 2-10-2020 (completion date) 4-14-2017 4-30-2022 Those were quals for radiography. The MPI qual is certified on 1-14-2019 and expires on 1-31-2024. Then visual acuity test is from 2-8-2019. The work she performed was on 2-3-2020.

11/4/2019 109117453 250psig MAOP. Acuren on 10/31/19 Xray date. 2 Xrays done by Steve Lancaster 10/19/2017-10/17/2020 (10/11/2019-10/11/2020) The eye test was 10/11/2019.
79. Question Result, ID, References NA, 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 90868 (1881)
Result Notes No new plastic pipe joining procedures were developed during this inspection time frame. Records of previously qualified procedures are available, but are on hard copy.
80. 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 90868 (1881)
Result Notes Peter Degraafe 5/31/2019 No lapse since 6/12 2017 in qualifications for 192-1003.01.

Andy Kaperick 5/6/2019 job date No lapse since 6/12 2017 in qualifications for 192-1003.01.

Cody Baxter manual 192-1003.01 11/21/19 exp 11/21/2020 requal 11/24/2020 11/24/2021 Hydraulic 11/21/19 exp 11/21/2020 requal 11/24/2020 11/24/2021 job 8/20/21

Colin Hankins manual 192-1003.01 5/22/2019 5/19/2020 5/26/2020 requalified job date 7/16/2021
81. Question Result, ID, References Sat, DC.CO.PLASTICJOINTINSR.R, 192.287 (192.807(a), 192.807(b))
Question Text *Do records indicate persons inspecting the making of plastic pipe joints have been qualified?*
Assets Covered 90868 (1881)
Result Notes Robert Ells fusion inspector qualified 3/27/2018 to 12/31/2020.

Calton Boop fusion inspector qualified 3/27/2018 to 12/31/2022.

Joel Bruzas fusion inspector qualified 3/26/2018 to 12/31/2022.
82. Question Result, ID, References Sat, DC.CO.PLASTICPIPESEP.R,
Question Text *Do records indicate minimum separation requirements are met for plastic pipelines?*
Assets Covered 90868 (1881)
Result Notes The joint trench installation jobs for East King in the Villages (job 107055685) was reviewed and it contained separation distances from power and communications. It was a job that we reviewed pressure testing information for from the jobs I selected.

83. 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 **90868 (1881)**
 Result Notes **Equipment from the jobs we reviewed we requested fusion machine equipment from IFS. An electrofusion unit #35948 from 4-22-2019 Groebner Tech #23890 5-15-19 35554 5-15-2019 10-13-2020. The checks are done every two years. Rolling 28 2-8" RM09 7-9-20. 9-24-20 the RM09 RM12 6-18-21 RM-12 3-17-21 RM-12 12-11-20**
84. 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 **90868 (1881)**
 Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**
85. 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 **90868 (1881)**
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review. During this audit period, none have occurred.**
86. 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 **90868 (1881)**
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
87. 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 **90868 (1881)**
 Result Notes **They are managed in SAP. The inspections are scheduled by plats. They are not in GIS yet. There are accurate locations, however, in SAP.**

FR.FIELDPIPE: Pipeline Inspection (Field)

88. Question Result, ID, References **NA, 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 in accordance with the requirements of 192.63?*
 Assets Covered **90868 (1881)**
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
89. Question Result, ID, References **NA, 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 **90868 (1881)**
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
90. 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 **90868 (1881)**
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
91. Question Result, ID, References **NA, 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 90868 (1881)
 Result Notes No such activity/condition was observed during the inspection.
92. 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 90868 (1881)
 Result Notes No such activity/condition was observed during the inspection.
93. 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 90868 (1881)
 Result Notes No such activity/condition was observed during the inspection.
94. 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 90868 (1881)
 Result Notes No such activity/condition was observed during the inspection.
95. Question Result, ID, References NA, DC.CO.PLASTICSQUEEZING.O,
 Question Text *Verify that the operator has limits in place for squeezing plastic pipe.*
 Assets Covered 90868 (1881)
 Result Notes No such event occurred, or condition existed, in the scope of inspection review.
96. Question Result, ID, References NA, 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 90868 (1881)
 Result Notes No such activity/condition was observed during the inspection.
97. 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 90868 (1881)
 Result Notes Facilities observed were protected from damage.
98. Question Result, ID, References NA, DC.METERREGSVC.CUSTOMETERREGINSTALL.O, 192.351 (192.357(a), 192.357(b), 192.357(c), 192.357(d))
 Question Text *Are meters and service regulators being installed consistent with the requirements of 192.357?*
 Assets Covered 90868 (1881)
 Result Notes No such event occurred, or condition existed, in the scope of inspection review.
99. Question Result, ID, References NA, DC.METERREGSVC.CUSTOMETEROPPRESS.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 90868 (1881)
 Result Notes No such event occurred, or condition existed, in the scope of inspection review.
100. 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 90868 (1881)
 Result Notes No such event occurred, or condition existed, in the scope of inspection review.

101. Question Result, ID, [NA, DC.METERREGSVC.SVCLINEVLVLOCATEREQT.O](#), 192.351 (192.363(a), 192.363(b), 192.363(c),
References [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 [90868 \(1881\)](#)
Result Notes *No such event occurred, or condition existed, in the scope of inspection review.*
102. 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 [90868 \(1881\)](#)
Result Notes *No such event occurred, or condition existed, in the scope of inspection review.*
103. Question Result, ID, [NA, DC.METERREGSVC.SVCLINEMATERIAL.O](#), 192.351 (192.371, 192.373(a), 192.373(b), 192.373(c),
References [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 [90868 \(1881\)](#)
Result Notes *No such event occurred, or condition existed, in the scope of inspection review.*
104. Question Result, ID, [NA, DC.METERREGSVC.NEWSVCLINENOTUSED.O](#), 192.351 (192.379, 192.379(a), 192.379(b),
References [192.379\(c\)](#))
Question Text *Are new customer service lines not in use configured in accordance with the requirements of 192.379?*
Assets Covered [90868 \(1881\)](#)
Result Notes *No such event occurred, or condition existed, in the scope of inspection review.*
105. 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 [90868 \(1881\)](#)
Result Notes *No such event occurred, or condition existed, in the scope of inspection review.*
106. Question Result, ID, [NA, DC.METERREGSVC.REGTEST.O](#),
References
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 [90868 \(1881\)](#)
Result Notes *No such event occurred, or condition existed, in the scope of inspection review.*
107. Question Result, ID, [NA, DC.WELDPROCEDURE.ONSITE.O](#),
References
Question Text *Are qualified written welding procedures located onsite where welding is being performed?*
Assets Covered [90868 \(1881\)](#)
Result Notes *No such event occurred, or condition existed, in the scope of inspection review.*
108. Question Result, ID, [NA, DC.WELDPROCEDURE.ESSENTIAL.O](#),
References
Question Text *Does the operator document essential variables when qualifying welders and weld procedures?*
Assets Covered [90868 \(1881\)](#)
Result Notes *No such event occurred, or condition existed, in the scope of inspection review.*
109. Question Result, ID, [NA, TD.COAT.NEWPIPEINSTALL.O](#), 192.461(d)
References
Question Text *Is external protective coating being protected from damage that could result from adverse ditch conditions or supporting blocks?*
Assets Covered [90868 \(1881\)](#)
Result Notes *No such event occurred, or condition existed, in the scope of inspection review.*
110. Question Result, ID, [Sat, TD.CPMONITOR.MONITORCRITERIA.O](#), 192.465(a) (192.463(b), 192.463(c), 192.463(a))
References

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

Assets Covered 90868 (1881)

Result Notes Yes, as with the other inspections performed with PSE this inspection cycle, the power source was interrupted to negate IR drop.

111. Question Result, ID, References Sat, TD.CP.MONITOR.CURRENTTEST.O, 192.465(b)

Question Text *Are impressed current sources properly maintained and are they functioning properly?*

Assets Covered 90868 (1881)

Result Notes Power sources are maintained properly and there were no issues noted, other than a scheduled power outage that happened to occur during our inspection. The rectifier was up and running later in the day at that location. It is noted in the Form "R" in Quickbase located here at: <https://utc-9183.quickbase.com/db/bpqsa9g4?a=td> . There are 3 forms this inspection due to the number of assets visited.

112. Question Result, ID, References Sat, TD.CP.ELECSOLATE.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 90868 (1881)

Result Notes Isolation was checked between the carrier and other structures. It is noted in the Form "R" in Quickbase located here at: <https://utc-9183.quickbase.com/db/bpqsa9g4?a=td> . There are 3 forms this inspection due to the number of assets visited.

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

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

Assets Covered 90868 (1881)

Result Notes Isolation was checked between the carrier and other structures. It is noted in the Form "R" in Quickbase located here at: <https://utc-9183.quickbase.com/db/bpqsa9g4?a=td> . There are 3 forms this inspection due to the number of assets visited.

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

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

Assets Covered 90868 (1881)

Result Notes The number of stations is suitable for the present system.

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

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

Assets Covered 90868 (1881)

Result Notes Test leads were installed for the assets chosen during this inspection.

116. Question Result, ID, References NA, TD.CP.MONITOR.INTFCURRENT.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 90868 (1881)

Result Notes No such event occurred, or condition existed, in the scope of inspection review. No stray current was noticed during the CP testing portion. No current mitigation devices were observed either.

117. 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 90868 (1881)

Result Notes No such event occurred, or condition existed, in the scope of inspection review. No installation was observed and no signs of issues with PSE's system causing interference with other protected systems.

118. Question Result, ID, References **Sat, 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 **90868 (1881)**
 Result Notes **PSE prevents this by reviewing sampling information from the Monster RD RNG solid waste gas supply. Cedar Hills is also checked for the presence of H2S and water vapor that does not meet the requirements for sweet gas, but that is reviewed during the transmission system inspection.**
119. 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 **90868 (1881)**
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
120. 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 **90868 (1881)**
 Result Notes **The pipe was well coated in all areas observed.**
121. Question Result, ID, References **Sat, PD.DP.ONECALL.O, 192.614(c)(3)**
 Question Text *Observe operator process a "One Call" ticket.*
 Assets Covered **90868 (1881)**
 Result Notes **VP of Operations for ELM described process. PSE uses LaunchPoint which assigns locate requests to technicians based on location, ranks locate requests based on due date and routes locates for that day. Managers have ability to adjust workload and assigned locates based on regulatory needs and emergency locate requests**
122. 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 **90868 (1881)**
 Result Notes **Odorant Test were performed. It is noted in the Form "R" in Quickbase located here at: <https://utc-9183.quickbase.com/db/bpqsa9g4?a=td> There are 3 forms this inspection due to the number of assets visited.**
123. 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 **90868 (1881)**
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
124. 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 **90868 (1881)**
 Result Notes **There was suitable marking of the system.**
125. 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 **90868 (1881)**
 Result Notes **Line marker placement and nomenclature was suitable.**
126. 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 **90868 (1881)**

Result Notes The observation of the field testing portion of pressure limiting stations was documented in the Form "R" in Quickbase located here at: <https://utc-9183.quickbase.com/db/bpqsa9g4?a=td>

There are 3 forms this inspection due to the number of assets visited.

127. 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 90868 (1881)
Result Notes A chart recorder was observed when a chart was changed by another PSE individual when we were waiting for the inspection of the regulator station to begin. Many of the older charts are being replaced with RTUs that have active pressure monitoring.
128. 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 90868 (1881)
Result Notes Many stations are in below ground vaults for security and for the prevention of damage. The vaults have separation between them for the interstage spool largely due to performance issues rather than for physical asset safety, but all double cut systems I observed that were not at meter stations or gates were configured this way.
129. 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 90868 (1881)
Result Notes Valves are were able to be exercised. No issues with stuck valves.
130. Question Result, ID, References NA, 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 90868 (1881)
Result Notes No such event occurred, or condition existed, in the scope of inspection review. Unable to determine if the casings were all bare steel because I did not observe a casing installation. Casings that were checked had test leads installed.
131. Question Result, ID, References NA, 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 90868 (1881)
Result Notes No such event occurred, or condition existed, in the scope of inspection review.
132. 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 =200 cubic feet (5.66 cubic meters) housing pressure regulating/limiting equipment adequate?*
Assets Covered 90868 (1881)
Result Notes No such relevant facilities/equipment existed in the scope of inspection review.
133. 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 90868 (1881)
Result Notes Gas monitoring equipment was used at gas vaults before opening and during entry to ensure the atmosphere was safe.
134. Question Result, ID, References NA, 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 90868 (1881)

Result Notes No such event occurred, or condition existed, in the scope of inspection review. Records for equipment maintenance was reviewed during this inspection, but no DTC jobs were reviewed during this specific inspection.

135. 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 90868 (1881)

Result Notes The operators had access to data sheets and procedures while on site.

136. Question Result, ID, References Sat, AR.PTI.EQUIPCALIB.O,

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

Assets Covered 90868 (1881)

Result Notes Gauges and CP testing equipment were checked. Please review the Form R at: <https://utc-9183.quickbase.com/db/bpqsh9g4?a=q&qid=-1000023&dr=1> for serial numbers and expiration dates.

137. Question Result, ID, References NA, AR.PTI.PLASTICPRESSURETEST.O,

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

Assets Covered 90868 (1881)

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

GDIM.IMPL: GDIM Implementation

138. 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 90868 (1881)

Result Notes Submitted annually to PHMSA on annual report beginning in 2021, 2019 and 2020 were submitted as events occurred

Submitted all leaks to UTC by March 15 and hazardous leaks are submitted within 5 days of analysis

Reviewed annual submissions for 2019, 2020 and 2021

139. Question Result, ID, References Sat, GDIM.RR.MECHANICALFITTINGRPTIMPL.R, 192.1009 (191.12)

Question Text *Did the operator report all mechanical fitting failures that resulted in a hazardous leak for the previous calendar year to PHMSA and State authorities, as appropriate, by March 15th of the next calendar year, and did the reports contain the information required by Department of Transportation Form PHMSA F-7100.1-2?*

Assets Covered 90868 (1881)

Result Notes Submitted 3/11/22

MISCTOPICS.PROT9: OQ Field Inspection

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

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

Assets Covered 90868 (1881)

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

141. Question Result, ID, References **Unsat, TQ.PROT9.QUALIFICATIONSTATUS.O, 192.801(a) (192.809(a))**
 Question Text *Verify the individuals performing the observed covered tasks are currently qualified to perform the covered tasks.*
 Assets Covered **90868 (1881)**
 Result Issue Summary **I did this prior to the performance of an odorant check and we realized that the individual performing the task was not qualified on the list. It was possible that it may have been a data entry error or an error in the change over from the older PSE qualification categories to the new ASME branded qualifications. Upon further investigation by PSE staff, the records were not located for that task in the OQ database, but other qualifications, such as valve operation and maintenance were there. The operator did have some information about him being signed up for a requalification course, but no completed test or record for requalification was provided.**
 Standard Issues **C (Documentation/administrative - no significant impact) : 192.807(b) : Personnel performed a covered task that were not qualified for that task**
 Result Notes **Lee Sinkovic met us at the King County Solid Waste Treatment Facility on Monster Rd and was ready to perform an odorant test. I asked to check his qualifications for odorant testing and the task was not on the list . If you check the OQ records, you can see he is now requalified with a qualification date of 6/17/2022.**
<https://cvs.instantcard.net/qr/20000452/5009>
142. Question Result, ID, References **Sat, TQ.PROT9.TASKPERFORMANCE.O, 192.801(a) (192.809(a))**
 Question Text *Verify the qualified individuals performed the observed covered tasks in accordance with the operator's procedures or operator approved contractor procedures.*
 Assets Covered **90868 (1881)**
 Result Notes **All performance I witnessed was suitable and followed the operator's procedures.**
143. Question Result, ID, References **Sat, TQ.PROT9.AOCRECOG.O, 192.801(a) (192.809(a))**
 Question Text *Verify the individuals performing covered tasks are cognizant of the AOCs that are applicable to the tasks observed.*
 Assets Covered **90868 (1881)**
 Result Notes **The individuals performing the covered tasks did so without hesitation, could describe abnormal operating conditions, and explain how to respond.**
144. Question Result, ID, References **Sat, TQ.PROT9.VERIFYQUAL.O, 192.801(a) (192.809(a))**
 Question Text *Observe in the field (job site, local office, etc.) that the foreman/supervisor/manager has verified the qualification of the individual performing the task, that the qualification records are current, and ensure the personal identification of all individuals performing covered tasks are checked, prior to task performance.*
 Assets Covered **90868 (1881)**
 Result Notes **The compliance supervisor and I did this prior to the performance of an odorant check and we realized that the individual performing the task was not qualified on the list. It was possible that it may have been a data entry error or an error in the change over from the older PSE qualification categories to the new ASME branded qualifications. Upon further investigation by PSE staff, the records were not located for that task in the OQ database, but other qualifications, such as valve operation and maintenance were there.**

MISCTOPICS.OPTRQUAL: Operator Qualification

145. Question Result, ID, References **Sat, TQ.OQ.OQPLAN.O, 192.805(h)**
 Question Text *Do individuals performing covered tasks demonstrate adequate skills, knowledge, and ability?*
 Assets Covered **90868 (1881)**
 Result Notes **The individuals performing the covered tasks did so without hesitation, could describe abnormal operating conditions, and explain how to respond.**
146. Question Result, ID, References **Sat, TQ.OQ.ABNORMAL.O, 192.803**
 Question Text *Do individuals performing covered tasks have adequate knowledge to recognize and react to abnormal operating conditions?*

Assets Covered 90868 (1881)

Result Notes The operator personnel discussed different situations and resolutions to abnormal operating conditions.

MISCTOPICS.PUBAWARE: Public Awareness Program Effectiveness

147. Question Result, ID, Sat, EP.ERG.LIAISON.R, 192.605(a) (192.615(c)(1), 192.615(c)(2), 192.615(c)(3), 192.615(c)(4),
References 192.616(c), ADB-05-03) (also presented in: PRR.OM)
Question Text *Do records indicate liaisons established and maintained with appropriate fire, police and other public officials and utility owners in accordance with procedures?*
Assets Covered 90868 (1881)
Result Notes List of public officials developed by PAPA, PSE develops and maintains emergency official contacts. Baseline emails sent in September each year by PAPA.

PSE also sends supplemental emails and contacts emergency officials by phone each year
148. Question Result, ID, Sat, PD.PA.LANGUAGE.R, 192.616(g) (API RP 1162 Section 2.3.1) (also presented in: PRR.OM)
References
Question Text *Were materials and messages developed and delivered in other languages commonly understood by a significant number and concentration of non-English speaking populations in the operator's areas?*
Assets Covered 90868 (1881)
Result Notes Materials developed in 11 other languages, information to excavators provided in English, Spanish and Russian
149. Question Result, ID, Sat, PD.PA.EVALEFFECTIVENESS.R, 192.616(c) (API RP 1162 Section 8.4) (also presented in: PRR.OM)
References
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 90868 (1881)
Result Notes Every 4 years there is a effectiveness 2017 and 2021. It was been completed by Escalent for the past several cycles. The questions were changed and then benchmarked with (DPAC) Distribution Public Awareness Council.
150. 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 90868 (1881)
Result Notes No such relevant facilities/equipment existed in the scope of inspection review.

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