

Inspection Output (IOR)

Generated on 2022.November.08 17:13

Report Filters

Assets Puget Sound Energy - PROPANE PEAK SHAVING / 88985 (87)

Results All

Inspection Information

Inspection Name	8452/8453 PSE/SWARR O&M	Operator(s)	PUGET SOUND ENERGY (22189) Lead Derek Norwood	Plan Submitted	--
Status	STARTED	Team Members	David Cullom, Dennis Ritter, Lex Vinsel, Anthony Dorrough, Scott Anderson, Darren Tinnerstet	Plan Approval	--
Start Year	2022	Observer(s)	Deborah Becker, Rell Koizumi	All Activity Start	02/22/2022
System Type	GD	Supervisor	Scott Rukke	All Activity End	10/27/2022
Protocol Set ID	WA.GD.2021.02	Director	Sean Mayo	Inspection Submitted	--
				Inspection Approval	--

Inspection Summary

Inspection Scope and Summary

This inspection included a review the Operations and Maintenance Procedures for PSE's Distribution/Transmission system and PSE's SWARR Propane-Air Plant. Manuals reviewed included PSE's Gas Operating Standards, PSE's Gas Field Procedures, PSE's Welding Manual, SWARR Emergency Operating Plan, SWARR O&M Manual.

Most questions in the IA Module were applicable to both facilities and procedures in PSE's Gas Operating Standards applied to both facilities. LPG specific O&M questions were taken from WUTC Form E and included in the inspection results under question GENERIC.GENERIC.GENPROCEDURE.P

Facilities visited and Total AFOD

The inspection was conducted remotely via Microsoft Teams. No facilities were visited.

Summary of Significant Findings

There were no findings as a result of these inspections.

Primary Operator contacts and/or participants

Justin Wahlborg, Compliance Program Manager

Cameron Williams, Sr Regulatory Compliance Analyst

Operator executive contact and mailing address for any official correspondence

Booga K Gilbertson, Sr. VP Operations
355 110th Ave NE,
M/S EST 11W,
Bellevue, WA 98004

Scope (Assets)

8452/8453 PSE/SWARR O&M

Page 1 of 22

Report Filters: Results: all

Short # Name	Long Name	Asset Type	Asset IDs	Excluded Topics	Planned	Required	Inspected	Total	Required % Complete
1. 88985 (87)	Puget Sound Energy - PROPANE PEAK SHAVING	unit	88985	Storage Fields Bottle/Pipe - Holders Vault Offshore GOM OCS Cast or Ductile Iron Copper Pipe Aluminum/Amphoteric	124	124	124	124	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. 88985 (87)	WUTC O&M Inspection	AR, CR, DC, EP, FS, GDIM, MO, MMLPGIM, PD, RPT, TD, TO, GENERIC	P, R, O, S	Detail	--
2. 88985 (87)	--	GENERIC.GENERIC	P	Detail	--

Plan Implementations

Activity # Name	SMAR T Act#	Start Date End Date	Focus Directives	Involved Groups/Subgroups	Assets	Qst Type(s)	Planned	Required	Total Inspected	Required % Complete
1 SWARR O&M	--	03/21/2022 10/27/2022	--	all planned questions	88985 (87)	all types	124	124	124	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.	Entity	Form Name	Status	Date Completed	Activity Name	Asset
1.	Attendance List	PSE O&M	COMPLETED	11/08/2022	PSE O&M	88984 (1829) 88985 (87)

Results (all values, 125 results)

141 (instead of 125) results are listed due to re-presentation of questions in more than one sub-group.

AR.PTI: Integrity Assessment Via Pressure Test

- Question Result, ID, References Sat, AR.PTI.PRESSTESTACCEP.P, 192.503(a) (192.503(b), 192.503(c), 192.503(d), 192.505(a), 192.505(b), 192.505(c), 192.505(d), 192.505(e), 192.507(a), 192.507(b), 192.507(c), 192.513(a), 192.513(b), 192.513(c), 192.513(d))

Question Text *Were test acceptance criteria and procedures/processes sufficient to assure the basis for an acceptable pressure test?*

Assets Covered 88984 (1829), 88985 (87)

Result Notes [GOS 2525.3300](#)

[GFP 4625.1030](#)

2. Question Result, ID, References [Sat, AR.PTI.EQUIPCALIB.P,](#)

Question Text *Does the manual include procedures to maintain and calibrate pressure testing equipment in accordance with manufacturer's recommendations?*

Assets Covered [88984 \(1829\)](#), [88985 \(87\)](#)

Result Notes [GOS 2450.1600](#)

AR.RCOM: Repair Criteria (O and M)

3. Question Result, ID, References [Sat, AR.RCOM.REPAIR.P, 192.605\(b\)\(2\) \(192.487\(a\), 192.487\(b\), 192.489\(a\), 192.489\(b\), 192.491\(c\)\)](#)
(also presented in: [TD.ICP](#))

Question Text *Does the process give sufficient guidance for personnel to repair or replace pipe that has corroded to an extent that there is no longer sufficient remaining strength in the pipe wall?*

Assets Covered [88984 \(1829\)](#), [88985 \(87\)](#)

Result Notes [GOS 2600.1900 Section 6](#)

AR.RMP: Repair Methods and Practices

4. Question Result, ID, References [Sat, AR.RMP.SAFETY.P, 192.605\(b\)\(9\) \(192.713\(b\)\)](#)

Question Text *Does the process ensure that repairs are made in a safe manner and are made so as to prevent damage to persons and property?*

Assets Covered [88984 \(1829\)](#), [88985 \(87\)](#)

Result Notes [GOS 2575.2000](#)

5. Question Result, ID, References [NA, AR.RMP.HOTTAP.P, 192.605\(b\)\(1\) \(192.627\)](#)

Question Text *Is the process adequate for tapping pipelines under pressure?*

Assets Covered [88985 \(87\)](#)

Result Notes [At SWARR they would not tap pipelines under pressure, they would blowdown the line that needs repair/modification](#)

6. Question Result, ID, References [Sat, AR.RMP.TESTREINSTATE.P, 192.605\(b\) \(192.725\(a\), 192.725\(b\)\)](#)

Question Text *Is the process adequate for the testing of disconnected service lines?*

Assets Covered [88984 \(1829\)](#), [88985 \(87\)](#)

Result Notes [GOS 2525.3300 Section 9.13.2](#)

DC.CO: Construction

7. Question Result, ID, References [Sat, DC.CO.PLASTICJOINT.P, 192.273\(b\) \(192.281\(a\), 192.281\(b\), 192.281\(c\), 192.281\(d\), 192.281\(e\), 192.303\)](#)

Question Text *Does the process require plastic pipe joints to be designed and installed in accordance with 192.281?*

Assets Covered [88984 \(1829\)](#), [88985 \(87\)](#)

Result Notes [GOS 2700.1700 \(3\)](#)

8. Question Result, ID, References [Sat, DC.CO.PLASTICJOINTPROCEDURE.P, 192.273\(b\) \(192.283\(a\), 192.283\(b\), 192.283\(c\), 192.283\(d\)\)](#)

Question Text *Does the process require plastic pipe joining procedures to be qualified in accordance with 192.283, prior to making plastic pipe joints?*

Assets Covered [88984 \(1829\)](#), [88985 \(87\)](#)

Result Notes [GOS 2700.1700 Section 4](#)

9. Question Result, ID, References [Sat, DC.CO.PLASTICJOINTQUAL.P, 192.285\(d\) \(192.285\(a\), 192.285\(b\), 192.285\(c\), 192.805\)](#)

Question Text *Is a process in place to ensure that personnel making joints in plastic pipelines are qualified?*

Assets Covered 88984 (1829), 88985 (87)
Result Notes GOS 2700.1600 Section 3 and Section 5

10. Question Result, ID, References Sat, DC.CO.PLASTICJOINTINSP.P, 192.287 (192.805(h))
Question Text *Is a process in place to assure that persons who inspect joints in plastic pipes are qualified?*
Assets Covered 88984 (1829), 88985 (87)
Result Notes GOS 2700.1600 Section 9
11. Question Result, ID, References NA, DC.CO.PLASTICPIPEPROC.P,
Question Text *Do procedures include requirements for storage, handling and installation of plastic pipe, including limits for ultraviolet exposure?*
Assets Covered 88985 (87)
Result Notes No such relevant facilities/equipment existed in the scope of inspection review.
12. Question Result, ID, References Sat, DC.CO.PLASTICWEAKLINK.P,
Question Text *Does the manual include procedures for installing a weak link when pulling plastic pipe?*
Assets Covered 88984 (1829), 88985 (87)
Result Notes GOS 2525.1200 Section 6.13
13. Question Result, ID, References NA, DC.CO.PLASTICPIPESEP.P,
Question Text *Does the manual include procedures to ensure minimum separation requirements are met for plastic pipelines?*
Assets Covered 88985 (87)
Result Notes No such relevant facilities/equipment existed in the scope of inspection review.
14. Question Result, ID, References NA, DC.CO.PLASTICABOVEGROUND.P,
Question Text *Does the manual include procedures for temporary above ground plastic pipe installation as well as procedures for commission notification for installations longer than thirty days?*
Assets Covered 88985 (87)
Result Notes No such relevant facilities/equipment existed in the scope of inspection review.
15. Question Result, ID, References NA, DC.CO.PLASTICBACKFILL.P,
Question Text *Does the manual include procedures to bury plastic pipe with essentially rock-free material or material recommended by the manufacturer?*
Assets Covered 88985 (87)
Result Notes No such relevant facilities/equipment existed in the scope of inspection review.
16. Question Result, ID, References NA, DC.CO.PLASTICSQUEEZING.P,
Question Text *Does the manual include procedures for restrictions on squeezing of plastic pipe?*
Assets Covered 88985 (87)
Result Notes No such relevant facilities/equipment existed in the scope of inspection review.
17. Question Result, ID, References NA, DC.CO.FILEREQ.P,
Question Text *Do procedures include requirements to file documents with the UTC at least 45 days prior to operation or construction of a pipeline?*
Assets Covered 88984 (1829), 88985 (87)
Result Notes No such event occurred, or condition existed, in the scope of inspection review.

DC.WELDINS: Construction Weld Inspection

18. Question Result, ID, References Sat, DC.WELDINS.WELDVISUALQUAL.P, 192.303 (192.241(a), 192.241(b), 192.241(c))
Question Text *Does the process require visual inspections of welds to be conducted by qualified inspectors?*

Assets Covered 88984 (1829), 88985 (87)

Result Notes GOS 2700.1300

19. Question Result, ID, References Sat, DC.WELDINSP.WELDNDT.P, 192.243(a) (192.243(b), 192.243(c), 192.243(d), 192.243(e).)

Question Text *Is there a process for nondestructive testing and interpretation in accordance with 192.243?*

Assets Covered 88984 (1829), 88985 (87)

Result Notes GOS 2700.1200

20. Question Result, ID, References Sat, DC.WELDINSP.WELDREPAIR.P, 192.303 (192.245(a), 192.245(b), 192.245(c))

Question Text *Does the process require welds that are unacceptable to be removed and/or repaired as specified by 192.245?*

Assets Covered 88984 (1829), 88985 (87)

Result Notes GOS 2700.1200 Section 6

DC.WELDERQUAL: Construction Welder Qualification

21. Question Result, ID, References Sat, DC.WELDERQUAL.WELDERLIMITNDT.P, 192.303 (192.229(a), 192.229(b), 192.229(c), 192.229(d))

Question Text *Does the process require certain limitations be placed on welders and welding operators in accordance with 192.229?*

Assets Covered 88984 (1829), 88985 (87)

Result Notes Welding Manual 2700.1100 Section 6

DC.WELDPROCEDURE: Construction Welding Procedures

22. Question Result, ID, References Sat, DC.WELDPROCEDURE.WELD.P, 192.225(a) (192.225(b))

Question Text *Does the process require welding to be performed by qualified welders using qualified welding procedures and are welding procedures and qualifying tests required to be recorded in detail?*

Assets Covered 88984 (1829), 88985 (87)

Result Notes Welding Manual 2700.1400

23. Question Result, ID, References Sat, DC.WELDPROCEDURE.WELDWEATHER.P, 192.303 (192.231)

Question Text *Does the process require welding to be protected from weather conditions that would impair the quality of the completed weld?*

Assets Covered 88984 (1829), 88985 (87)

Result Notes Welding Manual 4900.1000 "Weld Environment"

24. Question Result, ID, References Sat, DC.WELDPROCEDURE.MITERJOINT.P, 192.303 (192.233(a), 192.233(b), 192.233(c))

Question Text *Does the process prohibit the use of certain miter joints as required by 192.233?*

Assets Covered 88984 (1829), 88985 (87)

Result Notes GOS 2525.2700 Section 5.5

25. Question Result, ID, References Sat, DC.WELDPROCEDURE.WELDPREP.P, 192.303 (192.235)

Question Text *Does the process require certain preparations for welding, in accordance with 192.235?*

Assets Covered 88984 (1829), 88985 (87)

Result Notes GOS 2525.2700 Section 4.3

26. Question Result, ID, References Sat, DC.WELDPROCEDURE.ESSENTIAL.P,

Question Text *Does the process require documenting essential variables when qualifying welders and weld procedures?*

Assets Covered 88984 (1829), 88985 (87)

Result Notes Welding Manual 2700.1400 Section 3 and 6

DC.METERREGSVC: Meters, Service Regulators, and Service Lines

27. Question Result, ID, References **NA, DC.METERREGSVC.REGTEST.P,**
Question Text *Does the manual have procedures for testing service regulators and associated safety devices during initial turn-on and when a customer experiences a pressure problem?*
Assets Covered **88985 (87)**
Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**

EP.ERG: Emergency Response

28. Question Result, ID, References **Sat, EP.ERG.NOTICES.P, 192.615(a)(1)**
Question Text *Does the emergency plan include procedures for receiving, identifying, and classifying notices of events which need immediate response?*
Assets Covered **88985 (87)**
Result Notes **GOS 2575.1900**
29. Question Result, ID, References **Sat, EP.ERG.COMMSYS.P, 192.615(a) (192.615(a)(2))**
Question Text *Does the emergency plan include procedures for establishing and maintaining adequate means of communication with appropriate fire, police, and other public officials?*
Assets Covered **88985 (87)**
Result Notes **SWARR EOP Section 5.9**
30. Question Result, ID, References **Sat, EP.ERG.RESPONSE.P, 192.615(a) (192.615(a)(3), 192.615(a)(11), 192.615(b)(1))**
Question Text *Does the emergency plan include procedures for making a prompt and effective response to a notice of each type of emergency, including gas detected inside or near a building, a fire or explosion near or directly involving a pipeline facility, or a natural disaster?*
Assets Covered **88985 (87)**
Result Notes **SWARR EOP Section 4 and 10**
31. Question Result, ID, References **Sat, EP.ERG.READINESS.P, 192.615(a) (192.615(a)(4))**
Question Text *Does the process include procedures for ensuring the availability of personnel, equipment, tools, and materials as needed at the scene of an emergency?*
Assets Covered **88985 (87)**
Result Notes **SWARR EOP Section 5, 17, 20**
32. Question Result, ID, References **Sat, EP.ERG.PUBLICPRIORITY.P, 192.615(a) (192.615(a)(5))**
Question Text *Does the emergency plan include procedures for taking actions directed toward protecting people first and then property?*
Assets Covered **88984 (1829), 88985 (87)**
Result Notes **GOS 2425.2300 Section 3.4**

GFP 0110.1040, 0100.1050, 0100.1060, 4625.1100

GFP 0100.1065
33. Question Result, ID, References **Sat, EP.ERG.PRESSREDUCESD.P, 192.615(a) (192.615(a)(6))**
Question Text *Does the emergency plan include procedures for the emergency shutdown or pressure reduction in any section of pipeline system necessary to minimize hazards to life or property?*
Assets Covered **88984 (1829), 88985 (87)**
Result Notes **GOS 2425.2300 Section 3.10**

GFP 0100.1080, 4700.1400

GFP 0100.1065

34. Question Result, ID, References Sat, EP.ERG.PUBLICHAZ.P, 192.605(a) (192.615(a)(7))
Question Text *Does the emergency plan include procedures for making safe any actual or potential hazard to life or property?*
Assets Covered 88984 (1829), 88985 (87)
Result Notes GOS 2425.2300 Section 3.6, 3.13

GFP 0100.1060

35. Question Result, ID, References Sat, EP.ERG.AUTHORITIES.P, 192.615(a) (192.615(a)(8))
Question Text *Does the emergency plan include procedures for notifying appropriate public officials of gas pipeline emergencies and coordinating with them both planned responses and actual responses during an emergency?*
Assets Covered 88985 (87)
Result Notes SWARR EOP Section 5.9, 5.10

36. Question Result, ID, References Sat, EP.ERG.OUTAGERESTORE.P, 192.615(a) (192.615(a)(9))
Question Text *Does the emergency plan include procedures for safely restoring any service outage?*
Assets Covered 88984 (1829), 88985 (87)
Result Notes GFP 0100.1080

37. Question Result, ID, References Sat, EP.ERG.INCIDENTACTIONS.P, 192.615(a) (192.615(a)(10))
Question Text *Does the process include procedures for beginning action under 192.617, if applicable, as soon after the end of the emergency as possible?*
Assets Covered 88985 (87)
Result Notes SWARR EOP Section 8

38. Question Result, ID, References Sat, EP.ERG.INCIDENTANALYSIS.P, 192.617
Question Text *Does the process include procedures for analyzing accidents and failures, including the selection of samples of the failed facility or equipment for laboratory examination, where appropriate, for the purpose of determining the causes of the failure and minimizing the possibility of recurrence?*
Assets Covered 88985 (87)
Result Notes GOS 2575.1900, SWARR EOP Section 14

39. Question Result, ID, References Sat, EP.ERG.TRAINING.P, 192.615(b)(2)
Question Text *Does the process include training of the appropriate operating personnel to assure they are knowledgeable of the emergency procedures and verifying that the training is effective?*
Assets Covered 88985 (87)
Result Notes SWARR EOP Section 5.6

40. Question Result, ID, References Sat, EP.ERG.POSTEVNTREVIEW.P, 192.615(b)(3)
Question Text *Does the process include detailed steps for reviewing employee activities to determine whether the procedures were effectively followed in each emergency?*
Assets Covered 88984 (1829), 88985 (87)
Result Notes GOS 2425.2300 Section 3.15

41. Question Result, ID, References Sat, EP.ERG.LIAISON.P, 192.615(c) (192.615(c)(1), 192.615(c)(2), 192.615(c)(3), 192.615(c)(4), 192.616(c), ADB-05-03)
Question Text *Does the process include steps for establishing and maintaining liaison with appropriate fire, police and other public officials and utility owners?*
Assets Covered 88984 (1829), 88985 (87)
Result Notes GOS 2425.2300 Section 2.4.4

FS.FG: Facilities General

42. Question Result, ID, Sat, MO.GM.ABANDONPIPE.P, 192.605(b)(1) (192.727(a), 192.727(b), 192.727(c), 192.727(d),
References 192.727(e), 192.727(f), 192.727(g)) (also presented in: MO.GM)
Question Text *Does the process include adequate requirements for the abandonment and deactivation of pipelines and facilities?*
Assets Covered 88984 (1829), 88985 (87)
Result Notes GOS 2525.3600
43. Question Result, ID, NA, FS.FG.VAULTINSPECT.P, 192.605(b)(1) (192.749(a), 192.749(b), 192.749(c), 192.749(d))
References
Question Text *What are process requirements for inspecting vaults having a volumetric internal content =200 cubic feet (5.66 cubic meters) that house pressure regulating/limiting equipment?*
Assets Covered 88985 (87)
Result Notes No such relevant facilities/equipment existed in the scope of inspection review.
44. Question Result, ID, Sat, FS.FG.PROXCON.P,
References
Question Text *Are procedures in place to submit a written request to the commission prior to operating a gas pipeline in the areas and pressures designated in WAC 480-93-020?*
Assets Covered 88984 (1829), 88985 (87)
Result Notes GOS 2525.1400 Section 6.3
45. Question Result, ID, NA, FS.FG.CASING.P,
References
Question Text *Does the manual include procedures to only install bare steel casings and to include test leads on all new casings?*
Assets Covered 88985 (87)
Result Notes No such relevant facilities/equipment existed in the scope of inspection review.
46. Question Result, ID, Sat, FS.FG.CASESEAL.P,
References
Question Text *Does the manual include procedures to seal the ends of casings and conduits for mains and transmission and to seal the end nearest a building for service lines?*
Assets Covered 88984 (1829), 88985 (87)
Result Notes GOS 2525.1900 Section 4.1 and 4.2

MO.GOCLASS: Gas Pipeline Class Location

47. Question Result, ID, Sat, MO.GOCLASS.CLASSLOCATEREV.P, 192.605(b)(1) (192.611(a), 192.611(b), 192.611(c),
References 192.611(d))
Question Text *Does the process include a requirement that the MAOP of a pipeline segment be confirmed or revised within 24 months whenever the hoop stress corresponding to the established MAOP is determined not to be commensurate with the existing class location?*
Assets Covered 88984 (1829), 88985 (87)
Result Notes GOS 2400.0500 Section 6.1.2
48. Question Result, ID, Sat, MO.GOCLASS.CLASSLOCATESTUDY.P, 192.605(b)(1) (192.609(a), 192.609(b), 192.609(c),
References 192.609(d), 192.609(e), 192.609(f))
Question Text *Does the process include a requirement that the operator conduct a study whenever an increase in population density indicates a change in the class location of a pipeline segment operating at a hoop stress that is more than 40% SMYS?*
Assets Covered 88984 (1829), 88985 (87)
Result Notes GOS 2400.0500 Section 6.1.2

MO.GOMAOP: Gas Pipeline MAOP

49. Question Result, ID, Sat, MO.GOMAOP.MAOPDETERMINE.P, 192.605(b)(1) (192.619(a), 192.619(b), 192.621(a), 192.621(b),
References 192.623(a), 192.623(b))
Question Text *Does the process include requirements for determining the maximum allowable operating pressure for a pipeline segment in accordance with 192.619?*

Assets Covered 88984 (1829), 88985 (87)
Result Notes GOS 2525.1400 Section 4

50. Question Result, ID, References Sat, MO.GOMAOP.MAOPLIMIT.P, 192.605(a) (192.605(b)(5))

Question Text *Does the process include requirements for starting up and shutting down any part of the pipeline in a manner to assure operation with the MAOP limits, plus the build-up allowed for operation of pressure-limiting and control devices?*

Assets Covered 88984 (1829), 88985 (87)
Result Notes GOS 2575.1000 Section 5 (Capacity Review)

GFP 4700.1000 (Stroke and lockup)

MO.GM: Gas Pipeline Maintenance

51. Question Result, ID, References Sat, MO.GM.ABANDONPIPE.P, 192.605(b)(1) (192.727(a), 192.727(b), 192.727(c), 192.727(d), 192.727(e), 192.727(f), 192.727(g)) (also presented in: FS.FG)

Question Text *Does the process include adequate requirements for the abandonment and deactivation of pipelines and facilities?*

Assets Covered 88984 (1829), 88985 (87)
Result Notes GOS 2525.3600

52. Question Result, ID, References Sat, MO.GM.IGNITION.P, 192.605(b)(1) (192.751(a), 192.751(b), 192.751(c))

Question Text *Are there processes for minimizing the danger of accidental ignition where gas constitutes a hazard of fire or explosion?*

Assets Covered 88984 (1829), 88985 (87)
Result Notes GOS 2575.2000 Section 3

53. Question Result, ID, References Sat, MO.GM.DISTVALVEINSPECT.P, 192.605(b)(1) (192.747(a), 192.747(b))

Question Text *Does the process include procedures for inspecting and partially operating 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 for taking prompt remedial action to correct any valve found inoperable?*

Assets Covered 88985 (87)
Result Notes SWARR O&M Appendix G Procedure 32

SWARR O&M Maintenance Procedure 32

54. Question Result, ID, References NA, MO.GM.EQUIPPLASTICJOINT.P, 192.605(b)(1) (192.756)

Question Text *Does the process require maintaining 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 88985 (87)
Result Notes No such relevant facilities/equipment existed in the scope of inspection review.

55. Question Result, ID, References Sat, MO.GM.MOVEANDLOWER.P,

Question Text *Does the manual include procedures to prepare a study when moving or lowering metallic pipelines?*

Assets Covered 88984 (1829), 88985 (87)
Result Notes GOS 2525.3500

56. Question Result, ID, References Sat, MO.GM.ONSITEPROCS.P,

Question Text *Does the manual require that procedures applicable to the work being done are located onsite where the work is being done?*

Assets Covered 88984 (1829), 88985 (87)
Result Notes GOS 2425.1075

MO.GOODOR: Gas Pipeline Odorization

57. Question Result, ID, [Sat, MO.GOODOR.ODORIZE.P, 192.605\(b\)\(1\)](#) ([192.625\(a\)](#), [192.625\(b\)](#), [192.625\(c\)](#), [192.625\(d\)](#),
References [192.625\(e\)](#), [192.625\(f\)](#))
Question Text *Does the process ensure appropriate odorant levels are contained in its combustible gases in accordance with 192.625?*
Assets Covered [88984 \(1829\)](#), [88985 \(87\)](#)
Result Notes [GOS 2650.1000 Section 3 and 4](#)

[GFP 4675.2000 \(SWARR testing\)](#)

MO.GO: Gas Pipeline Operations

58. Question Result, ID, [Sat, MO.GO.CONTSURVEILLANCE.P, 192.605\(e\)](#) ([192.613\(a\)](#), [192.613\(b\)](#), [192.703\(b\)](#), [192.703\(c\)](#))
References
Question Text *Are there processes for performing continuing surveillance of pipeline facilities, and also for reconditioning, phasing out, or reducing the MAOP in a pipeline segment that is determined to be in unsatisfactory condition but on which no immediate hazard exists?*
Assets Covered [88984 \(1829\)](#), [88985 \(87\)](#)
Result Notes [GOS 2575.2700](#)

59. Question Result, ID, [Sat, MO.GO.PURGE.P, 192.605\(b\)\(1\)](#) ([192.629\(a\)](#), [192.629\(b\)](#))
References
Question Text *Does the process include requirements for purging of pipelines in accordance with 192.629?*
Assets Covered [88984 \(1829\)](#), [88985 \(87\)](#)
Result Notes [GOS 2525.3400](#)

60. Question Result, ID, [Sat, MO.GO.OMANNUALREVIEW.P, 192.605\(a\)](#)
References
Question Text *Does the process include a requirement to review the manual at intervals not exceeding 15 months, but at least once each calendar year?*
Assets Covered [88984 \(1829\)](#), [88985 \(87\)](#)
Result Notes [GOS 2425.1000 Section 4.1](#)

61. Question Result, ID, [Sat, MO.GO.OMEFFECTREVIEW.P, 192.605\(a\)](#) ([192.605\(b\)\(8\)](#))
References
Question Text *Does the process include requirements for periodically reviewing 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 [88984 \(1829\)](#), [88985 \(87\)](#)
Result Notes [GOS 2425.1000 Section 3.6](#)

62. Question Result, ID, [Sat, MO.GO.OMHISTORY.P, 192.605\(a\)](#) ([192.605\(b\)\(3\)](#))
References
Question Text *Does the process include requirements for making construction records, maps and operating history available to appropriate operating personnel?*
Assets Covered [88984 \(1829\)](#), [88985 \(87\)](#)
Result Notes [GOS 2425.1075 Section 3.2](#)

63. Question Result, ID, [Sat, MO.GO.SRC.P, 192.605\(a\)](#) ([192.605\(d\)](#), [191.23\(a\)](#))
References
Question Text *Does the process include instructions enabling personnel who perform operation and maintenance activities to recognize conditions that may potentially be safety-related conditions?*
Assets Covered [88984 \(1829\)](#), [88985 \(87\)](#)
Result Notes [GOS 2425.1200](#)

64. Question Result, ID, [NA, MO.GO.CUSTNOTIFY.P, 192.13\(c\)](#) ([192.16\(a\)](#), [192.16\(b\)](#), [192.16\(c\)](#), [192.16\(d\)](#))
References
Question Text *Is a customer notification process in place that satisfies the requirements of 192.16?*
Assets Covered [88985 \(87\)](#)
Result Notes [No such relevant facilities/equipment existed in the scope of inspection review.](#)

65. Question Result, ID, **NA**, MO.GO.EFVINSTALL.P, 192.383(b) (192.381(a), 192.381(b), 192.381(c), 192.381(d), 192.381(e),
References 192.383(a), 192.383(c))
Question Text *Is there an adequate excess flow valve (EFV) installation and performance program in place?*
Assets Covered 88985 (87)
Result Notes No such relevant facilities/equipment existed in the scope of inspection review.
66. Question Result, ID, **Sat**, MO.GO.ODDOR.P, 192.605(a) (192.605(b)(11))
References
Question Text *Does the process require prompt response to the report of a gas odor inside or near a building?*
Assets Covered 88985 (87)
Result Notes SWARR EOP Section 10.1.1

MO.GMOPP: Gas Pipeline Overpressure Protection

67. Question Result, ID, **Sat**, MO.GMOPP.PRESSREGCAP.P, 192.605(b)(1) (192.743(a), 192.743(b), 192.743(c))
References
Question Text *Does the process include procedures for ensuring that the capacity of each pressure relief device at pressure limiting stations and pressure regulating stations is sufficient?*
Assets Covered 88984 (1829), 88985 (87)
Result Notes GOS 2575.1000 Sections 5.1 and 7.2
68. Question Result, ID, **Sat**, MO.GMOPP.PRESSREGTEST.P, 192.605(b)(1) (192.739(a), 192.739(b))
References
Question Text *Does the process include procedures for inspecting and testing each pressure limiting station, relief device, and pressure regulating station and their equipment?*
Assets Covered 88984 (1829), 88985 (87)
Result Notes GOS 2575.1000 Section 7 and 8

GFP 4700.1600
69. Question Result, ID, **Sat**, MO.GMOPP.PRESSREGMETER.P, 192.605(b)(1) (192.741(a), 192.741(b), 192.741(c))
References
Question Text *Does the process require telemetering or recording gauges be utilized as required for distribution systems?*
Assets Covered 88984 (1829), 88985 (87)
Result Notes GOS 2525.3900
70. Question Result, ID, **NA**, MO.GMOPP.MULTIPRESSREG.P,
References
Question Text *Does the manual include procedures to install two or more regulator stations in a manner that will provide protection between the stations?*
Assets Covered 88985 (87)
Result Notes No such relevant facilities/equipment existed in the scope of inspection review.

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

71. Question Result, ID, **NA**, MO.RW.TRANSPATROL.P, 192.705(a) (192.705(b), 192.705(c)) (also presented in: PD.RW)
References
Question Text *Does the process adequately cover the requirements for transmission line patrolling the ROW and conditions reported?*
Assets Covered 88985 (87)
Result Notes No such relevant facilities/equipment existed in the scope of inspection review.
72. Question Result, ID, **Sat**, MO.RW.TRANSLEAKAGE.P, 192.706 (192.706(a), 192.706(b)) (also presented in: PD.RW)
References
Question Text *Does the process require transmission leakage surveys to be conducted?*
Assets Covered 88984 (1829), 88985 (87)
Result Notes GOS 2625.1100

GOS 2625.1200

73. Question Result, ID, References **Sat, MO.RW.DISTPATROL.P, 192.721(a) (192.721(b))** (also presented in: PD.RW)
 Question Text *Does the process require distribution system patrolling to be conducted?*
 Assets Covered **88984 (1829), 88985 (87)**
 Result Notes **GOS 2575.3100 Sections 3 and 4**
74. Question Result, ID, References **Sat, MO.RW.DISTLEAKAGE.P, 192.723(a) (192.723(b))** (also presented in: PD.RW)
 Question Text *Does the process require distribution system leakage surveys to be conducted?*
 Assets Covered **88984 (1829), 88985 (87)**
 Result Notes **GOS 2625.1100**

GOS 2625.1200
75. Question Result, ID, References **Sat, MO.RW.ROWMARKER.P, 192.707(a) (192.707(b), 192.707(d), CGA Best Practices, v4.0, Practice 2-5, CGA Best Practices, v4.0, Practice 4-20)** (also presented in: PD.RW)
 Question Text *Does the process adequately cover the requirements for placement of ROW markers?*
 Assets Covered **88984 (1829), 88985 (87)**
 Result Notes **GOS 2525.2500 Section 4**

GOS 2525.2500 Section 7 (SWARR)
76. Question Result, ID, References **NA, MO.RW.CASINGLEAKSURVEY.P,** (also presented in: PD.RW)
 Question Text *Does the process require shorted casings be leak surveyed as required?*
 Assets Covered **88985 (87)**
 Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**
77. Question Result, ID, References **Sat, MO.RW.LEAKGRADE.P,** (also presented in: PD.RW)
 Question Text *Do procedures require grading/re-grading leaks and evaluating the concentration and extent of leakage?*
 Assets Covered **88984 (1829), 88985 (87)**
 Result Notes **GOS 2625.1300**

SWARR EOP Section 10
78. Question Result, ID, References **Sat, MO.RW.LEAKPERIMETER.P,** (also presented in: PD.RW)
 Question Text *Do procedures require checking the perimeter of a gas leak with a combustible gas indicator?*
 Assets Covered **88984 (1829), 88985 (87)**
 Result Notes **GOS 2625.1300 Section 5.3.16**

GFP 4625.1170

SWARR EOP Section 10.1
79. Question Result, ID, References **Sat, MO.RW.LEAKFOLLOW.P,** (also presented in: PD.RW)
 Question Text *Do procedures require performing a follow-up inspection on all leak repairs with residual gas remaining in the ground not later than thirty days after the repair?*
 Assets Covered **88984 (1829), 88985 (87)**
 Result Notes **GOS 2625.1300 Section 4.4.2**
80. Question Result, ID, References **Sat, MO.RW.MOVEANDLOWERSURVEY.P,** (also presented in: PD.RW)
 Question Text *Does the manual include procedures to leak survey not more than thirty days after a metallic pipeline has been moved or lowered?*
 Assets Covered **88984 (1829), 88985 (87)**
 Result Notes **GOS 2525.350 Section 4.2.2**

81. Question Result, ID, References **Sat, MO.RW.MARKERSURVEY.P**, (also presented in: PD.RW)
Question Text *Are procedures in place to survey pipeline markers at specified intervals?*
Assets Covered **88984 (1829), 88985 (87)**
Result Notes **GOS 2575.1100 Section 5**

82. Question Result, ID, References **Sat, MO.RW.MARKERREPLACE.P**, (also presented in: PD.RW)
Question Text *Does the manual include procedures to replace damaged or missing markers within 45 days?*
Assets Covered **88984 (1829), 88985 (87)**
Result Notes **GOS 2575.1100 Section 4.1.1**

PD.DP: Damage Prevention

83. Question Result, ID, References **Sat, PD.DP.PDPROGRAM.P, 192.614(a)**
Question Text *Is a damage prevention program approved and in place?*
Assets Covered **88984 (1829), 88985 (87)**
Result Notes **GOS 2425.1600**

84. Question Result, ID, References **Sat, PD.DP.ONECALL.P, 192.614(b)**
Question Text *Does the process require participation in qualified one-call systems?*
Assets Covered **88984 (1829), 88985 (87)**
Result Notes **GOS 2425.1600 Section 3.2**

85. Question Result, ID, References **Sat, PD.DP.EXCAVATEMARK.P, 192.614(c)(5)**
Question Text *Does the process require marking proposed excavation sites to CGA Best Practices or the use of more stringent and accurate requirements?*
Assets Covered **88984 (1829), 88985 (87)**
Result Notes **GOS 2425.1600 Section 6**

86. Question Result, ID, References **Sat, PD.DP.TPD.P, 192.614(c)(1)**
Question Text *Does the process specify how reports of Third-Party Activity and names of associated contractors or excavators are input back into the mail-outs and communications with excavators along the system?*
Assets Covered **88984 (1829), 88985 (87)**
Result Notes **PA Plan Section 5.1.3**

87. Question Result, ID, References **Sat, PD.DP.TPDONECALL.P, 192.614(c)(3)**
Question Text *Does the process specify how reports of TPD are checked against One-Call tickets?*
Assets Covered **88984 (1829), 88985 (87)**
Result Notes **GOS 2425.1600 Section 8.1**

PD.PA: Public Awareness

88. Question Result, ID, References **NA, PD.PA.MSTRMETER.P, 192.616(j) (192.616(h))**
Question Text *Does the public awareness program for a master meter or petroleum gas system meet the requirements of Part 192?*
Assets Covered **88984 (1829), 88985 (87)**
Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**

PD.RW: ROW Markers, Patrols, Leakage Survey and Monitoring

89. Question Result, ID, References **NA, MO.RW.TRANSPATROL.P, 192.705(a) (192.705(b), 192.705(c))** (also presented in: MO.RW)

Question Text *Does the process adequately cover the requirements for transmission line patrolling the ROW and conditions reported?*

Assets Covered 88985 (87)

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

90. Question Result, ID, References Sat, MO.RW.TRANSLEAKAGE.P, 192.706 (192.706(a), 192.706(b)) (also presented in: MO.RW)

Question Text *Does the process require transmission leakage surveys to be conducted?*

Assets Covered 88984 (1829), 88985 (87)

Result Notes GOS 2625.1100

GOS 2625.1200

91. Question Result, ID, References Sat, MO.RW.DISTPATROL.P, 192.721(a) (192.721(b)) (also presented in: MO.RW)

Question Text *Does the process require distribution system patrolling to be conducted?*

Assets Covered 88984 (1829), 88985 (87)

Result Notes GOS 2575.3100 Sections 3 and 4

92. Question Result, ID, References Sat, MO.RW.DISTLEAKAGE.P, 192.723(a) (192.723(b)) (also presented in: MO.RW)

Question Text *Does the process require distribution system leakage surveys to be conducted?*

Assets Covered 88984 (1829), 88985 (87)

Result Notes GOS 2625.1100

GOS 2625.1200

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

Question Text *Does the process adequately cover the requirements for placement of ROW markers?*

Assets Covered 88984 (1829), 88985 (87)

Result Notes GOS 2525.2500 Section 4

GOS 2525.2500 Section 7 (SWARR)

94. Question Result, ID, References NA, MO.RW.CASINGLEAKSURVEY.P, (also presented in: MO.RW)

Question Text *Does the process require shorted casings be leak surveyed as required?*

Assets Covered 88985 (87)

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

95. Question Result, ID, References Sat, MO.RW.LEAKGRADE.P, (also presented in: MO.RW)

Question Text *Do procedures require grading/re-grading leaks and evaluating the concentration and extent of leakage?*

Assets Covered 88984 (1829), 88985 (87)

Result Notes GOS 2625.1300

SWARR EOP Section 10

96. Question Result, ID, References Sat, MO.RW.LEAKPERIMETER.P, (also presented in: MO.RW)

Question Text *Do procedures require checking the perimeter of a gas leak with a combustible gas indicator?*

Assets Covered 88984 (1829), 88985 (87)

Result Notes GOS 2625.1300 Section 5.3.16

GFP 4625.1170

SWARR EOP Section 10.1

97. Question Result, ID, References **Sat, MO.RW.LEAKFOLLOW.P**, (also presented in: MO.RW)
 Question Text *Do procedures require performing a follow-up inspection on all leak repairs with residual gas remaining in the ground not later than thirty days after the repair?*
 Assets Covered **88984 (1829), 88985 (87)**
 Result Notes **GOS 2625.1300 Section 4.4.2**
98. Question Result, ID, References **Sat, MO.RW.MOVEANDLOWERSURVEY.P**, (also presented in: MO.RW)
 Question Text *Does the manual include procedures to leak survey not more than thirty days after a metallic pipeline has been moved or lowered?*
 Assets Covered **88984 (1829), 88985 (87)**
 Result Notes **GOS 2525.350 Section 4.2.2**
99. Question Result, ID, References **Sat, MO.RW.MARKERSURVEY.P**, (also presented in: MO.RW)
 Question Text *Are procedures in place to survey pipeline markers at specified intervals?*
 Assets Covered **88984 (1829), 88985 (87)**
 Result Notes **GOS 2575.1100 Section 5**
100. Question Result, ID, References **Sat, MO.RW.MARKERREPLACE.P**, (also presented in: MO.RW)
 Question Text *Does the manual include procedures to replace damaged or missing markers within 45 days?*
 Assets Covered **88984 (1829), 88985 (87)**
 Result Notes **GOS 2575.1100 Section 4.1.1**

RPT.RR: Regulatory Reporting (Traditional)

101. Question Result, ID, References **Sat, RPT.RR.IMMEDREPORT.P, 191.5(b) (191.7(a), 191.7(d))**
 Question Text *Is there a process to immediately report incidents to the National Response Center?*
 Assets Covered **88984 (1829), 88985 (87)**
 Result Notes **GOS 2425.1100 Section 4 (Federal)**

GOS 2425.1100 Section 5 (Washington)
102. Question Result, ID, References **Sat, RPT.RR.INCIDENTREPORT.P, 191.9(a)**
 Question Text *Does the process require preparation and filing of an incident report as soon as practicable but no later than 30 days after discovery of a reportable incident?*
 Assets Covered **88984 (1829), 88985 (87)**
 Result Notes **GOS 2425.1100 Section 4.4 (Federal)**

GOS 2425.1100 Section 5.6 (Washington)
103. Question Result, ID, References **Sat, RPT.RR.INCIDENTREPORTSUPP.P, 191.9(b)**
 Question Text *Does the process require preparation and filing of supplemental incident reports?*
 Assets Covered **88984 (1829), 88985 (87)**
 Result Notes **GOS 2425.1100 Section 4.6 (Federal)**

GOS 2425.1100 Section 5.7 (Washington)
104. Question Result, ID, References **Sat, RPT.RR.SRCR.P, 192.605(a) (191.23(a), 191.23(b), 191.25(a), 191.25(c))**
 Question Text *Do the procedures require reporting of safety-related conditions?*
 Assets Covered **88984 (1829), 88985 (87)**
 Result Notes **GOS 2425.1200**

105. Question Result, ID, References **Sat, RPT.RR.OPID.P, 191.22(a) (191.22(c), 191.22(d))**
 Question Text *Does the process require the obtaining, and appropriate control, of Operator Identification Numbers (OPIDs), including changes in entity, acquisition/divestiture, and construction/update/uprate?*
 Assets Covered **88984 (1829), 88985 (87)**
 Result Notes **GOS 2425.1100 Section 9**
106. Question Result, ID, References **Sat, RPT.RR.MAOPINCREASEPLANS.P,**
 Question Text *Do procedures require filing with the commission 45 days prior to uprating to a MAOP greater than 60 psig?*
 Assets Covered **88984 (1829), 88985 (87)**
 Result Notes **GOS 2575.2500 Section 12.1**
107. Question Result, ID, References **Sat, RPT.RR.EMERGENCYNOTIFY.P,**
 Question Text *Does the manual include procedures to notify the commission of certain incidents or hazardous conditions within the required time frame?*
 Assets Covered **88984 (1829), 88985 (87)**
 Result Notes **GOS 2425.1100 Section 5**
108. Question Result, ID, References **Sat, RPT.RR.THIRTYDAYRPT.P,**
 Question Text *Does the manual include procedures to submit a written report to the commission within thirty days of the initial telephonic report?*
 Assets Covered **88984 (1829), 88985 (87)**
 Result Notes **GOS 2425.1100 Section 5.6**
109. Question Result, ID, References **Sat, RPT.RR.DIRTREPORTS.P,**
 Question Text *Do procedures require a report (i.e., DIRT Report) to be submitted to the commission and provide excavators with the required information in the event of damage to their gas pipeline?*
 Assets Covered **88984 (1829), 88985 (87)**
 Result Notes **GOS 2425.1600 Section 8**
110. Question Result, ID, References **Sat, RPT.RR.DAILYCONSTRUCTIONRPT.P,**
 Question Text *Do procedures require daily construction and repair activities to be emailed to the commission no later than 10 AM each day work is scheduled?*
 Assets Covered **88984 (1829), 88985 (87)**
 Result Notes **GOS 2425.1300 Section 4**

TD.ATM: Atmospheric Corrosion

111. Question Result, ID, References **Sat, TD.ATM.ATMCORRODE.P, 192.605(b)(2) (192.479(a), 192.479(b), 192.479(c))**
 Question Text *Does the process give adequate guidance identifying atmospheric corrosion and for protecting above ground pipe from atmospheric corrosion?*
 Assets Covered **88984 (1829), 88985 (87)**
 Result Notes **GOS 2600.1100 Section 7**
112. Question Result, ID, References **Sat, TD.ATM.ATMCORRODEINSP.P, 192.605(b)(2) (192.481(a), 192.481(b), 192.481(c))**
 Question Text *Does the process give adequate instruction for the inspection of aboveground pipeline segments, including inside meter and pressure regulator installations, for atmospheric corrosion?*
 Assets Covered **88984 (1829), 88985 (87)**
 Result Notes **GFP 4515.1200**
GOS 2600.1800 Sections 3 and 4

TD.CPMONITOR: External Corrosion - CP Monitoring

113. Question Result, ID, References **Sat, TD.CPMONITOR.TEST.P, 192.605(b)(2) (192.465(a))**
Question Text *Does the process adequately describe how to monitor CP that has been applied to pipelines?*
Assets Covered **88984 (1829), 88985 (87)**
Result Notes **GOS 2600.1500 Section 4**

GFP 4515.1210

GFP 4515.1220
114. Question Result, ID, References **Sat, TD.CPMONITOR.CURRENTTEST.P, 192.605(b)(2) (192.465(b))**
Question Text *Does the process give sufficient details for making electrical checks of rectifiers or impressed current sources?*
Assets Covered **88984 (1829), 88985 (87)**
Result Notes **GOS 2600.1500 Section 4**

GFP 4515.1610
115. Question Result, ID, References **Sat, TD.CPMONITOR.REVCURRENTTEST.P, 192.605(b)(2) (192.465(c))**
Question Text *Does the process give sufficient details for making electrical checks of interference bonds, diodes, and reverse current switches?*
Assets Covered **88984 (1829), 88985 (87)**
Result Notes **GOS 2600.1500 Section 4.3**
116. Question Result, ID, References **Sat, TD.CPMONITOR.DEFICIENCY.P, 192.605(b)(2) (192.465(d))**
Question Text *Does the process require that the operator promptly correct any identified deficiencies in corrosion control?*
Assets Covered **88984 (1829), 88985 (87)**
Result Notes **GOS 2600.1900**
117. Question Result, ID, References **Sat, TD.CPMONITOR.TESTSTATION.P, 192.469**
Question Text *Does the process contain provisions to assure that each pipeline has sufficient test stations or other contact points to determine the adequacy of cathodic protection?*
Assets Covered **88984 (1829), 88985 (87)**
Result Notes **GOS 2600.1200 Section 4**
118. Question Result, ID, References **Sat, TD.CPMONITOR.TESTLEAD.P, 192.605(b)(2) (192.471(a), 192.471(b), 192.471(c))**
Question Text *Does the process provide adequate instructions for the installation of test leads?*
Assets Covered **88984 (1829), 88985 (87)**
Result Notes **GFP 4510.1040**
119. Question Result, ID, References **Sat, TD.CPMONITOR.INTFRCURRENT.P, 192.605(b)(2) (192.473(a))**
Question Text *Does the operator have a program in place to minimize detrimental effects of interference currents on its pipeline system and does the process for designing and installing cathodic protection systems provide for the minimization of detrimental effects of interference currents on existing adjacent metallic structures?*
Assets Covered **88984 (1829), 88985 (87)**
Result Notes **GOS 2600.1300 Section 5.2.3**

GOS 2600.1400 Section 4.4

GOS 2600.1500 Section 4.3

120. Question Result, ID, [Sat, TD.CP.RECORDS.P, 192.605\(b\)\(2\) \(192.491\(a\), 192.491\(b\), 192.491\(c\)\)](#) (also presented in: TD.CP, References [TD.CPEXPOSED](#))
Question Text *Does the process include records requirements for the corrosion control activities listed in 192.491?*
Assets Covered [88984 \(1829\)](#), [88985 \(87\)](#)
Result Notes [GOS 2600.1500 Section 7](#)

[GOS 2600.1900 Section 8](#)

[GOS 2400.1500 \(Record Retention\)](#)

TD.CP: External Corrosion - Cathodic Protection

121. Question Result, ID, [Sat, TD.CP.POST1971.P, 192.605\(b\)\(2\) \(192.455\(a\), 192.457\(a\), 192.452\(a\), 192.452\(b\), 192.455\(c\), 192.455\(d\)\)](#)
Question Text *Does the process require that each buried or submerged pipeline installed after July 31, 1971, be protected against external corrosion with a cathodic protection system within 1 year after completion of construction, conversion to service, or becoming jurisdictional onshore gathering?*
Assets Covered [88984 \(1829\)](#), [88985 \(87\)](#)
Result Notes [GOS 2600.1000 Section 3.2](#)
122. Question Result, ID, [Sat, TD.CP.PRE1971.P, 192.605\(b\)\(2\) \(192.457\(b\)\)](#)
Question Text *Does the process require that pipelines installed before August 1, 1971 (except for cast and ductile iron lines) which are 1) bare or ineffectively coated transmission lines, or 2) bare or coated pipes in compressor, regulator or meter stations, or 3) bare or coated distribution lines, must be cathodically protected in areas where active corrosion is found?*
Assets Covered [88984 \(1829\)](#), [88985 \(87\)](#)
Result Notes [GOS 2600.1000 Section 3.4](#)
123. Question Result, ID, [Sat, TD.CP.UNPROTECT.P, 192.605\(b\)\(2\) \(192.465\(e\)\)](#)
Question Text *Does the process give sufficient direction for the monitoring of external corrosion on buried pipelines that are not protected by cathodic protection?*
Assets Covered [88984 \(1829\)](#), [88985 \(87\)](#)
Result Notes [GOS 2600.1000 Section 3.4](#)

[GOS 2600.1500 Section 3](#)
124. Question Result, ID, [Sat, TD.CP.ELECSOLATE.P, 192.605\(b\)\(2\) \(192.467\(a\), 192.467\(b\), 192.467\(c\), 192.467\(d\), 192.467\(e\)\)](#)
Question Text *Does the process give adequate guidance for electrically isolating 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 [88984 \(1829\)](#), [88985 \(87\)](#)
Result Notes [GOS 2600.1400 Section 3 and 4](#)
125. Question Result, ID, [Sat, TD.CP.RECORDS.P, 192.605\(b\)\(2\) \(192.491\(a\), 192.491\(b\), 192.491\(c\)\)](#) (also presented in: References [TD.CPMONITOR](#), [TD.CPEXPOSED](#))
Question Text *Does the process include records requirements for the corrosion control activities listed in 192.491?*
Assets Covered [88984 \(1829\)](#), [88985 \(87\)](#)
Result Notes [GOS 2600.1500 Section 7](#)

[GOS 2600.1900 Section 8](#)

[GOS 2400.1500 \(Record Retention\)](#)
126. Question Result, ID, [NA, TD.CP.CASINGINSPECT.P,](#)
Question Text *Does the process give sufficient direction for conducting annual casing inspections to ensure electrical isolation from the pipeline?*

Assets Covered 88985 (87)

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

TD.COAT: External Corrosion - Coatings

127. Question Result, ID, Sat, TD.COAT.NEWPIPE.P, 192.605(b)(2) (192.455(a), 192.455(b), 192.455(c), 192.455(d), 192.461(a),
References 192.461(b), 192.463, 192.483(a))

Question Text *Does the process require that each buried or submerged pipeline installed after July 31, 1971 be externally coated with a material that is adequate for underground service on a cathodically protected pipeline?*

Assets Covered 88984 (1829), 88985 (87)

Result Notes GOS 2600.1000 Section 3.2

GOS 2600.1100

128. Question Result, ID, NA, TD.COAT.CONVERTPIPE.P, 192.605(b)(2) (192.452(a), 192.455(a), 192.455(b), 192.455(c),
References 192.455(d), 192.461(a))

Question Text *Does the process require that each buried or submerged pipeline that has been converted to gas service and was installed after July 31, 1971, be protected against external corrosion with an adequate coating unless exempted by 192.455(b)?*

Assets Covered 88984 (1829), 88985 (87)

Result Notes No pipelines have been converted to gas service

TD.CPEXPOSED: External Corrosion - Exposed Pipe

129. Question Result, ID, Sat, TD.CPEXPOSED.EXPOSEINSPECT.P, 192.605(b)(2) (192.459)
References

Question Text *Does the process require that exposed portions of buried pipeline must be examined for external corrosion?*

Assets Covered 88984 (1829), 88985 (87)

Result Notes GOS 2575.2800 Section 3

130. Question Result, ID, Sat, TD.CPEXPOSED.EXPOSECORRODE.P, 192.605(b)(2) (192.459)
References

Question Text *Does the process require further examination of exposed buried pipe if corrosion is found?*

Assets Covered 88984 (1829), 88985 (87)

Result Notes GOS 2575.2800 Section 3.1.5

131. Question Result, ID, Sat, TD.CPEXPOSED.MONITORCRITERIA.P, 192.605(b)(2) (192.463(a), 192.463(c))
References

Question Text *Does the process require CP monitoring criteria to be used that is acceptable?*

Assets Covered 88984 (1829), 88985 (87)

Result Notes GOS 2600.1500 Section 5

GFP 4515.1205

GFP 4515.1210

132. Question Result, ID, Sat, TD.CP.RECORDS.P, 192.605(b)(2) (192.491(a), 192.491(b), 192.491(c)) (also presented in:
References TD.CP.MONITOR, TD.CP)

Question Text *Does the process include records requirements for the corrosion control activities listed in 192.491?*

Assets Covered 88984 (1829), 88985 (87)

Result Notes GOS 2600.1500 Section 7

GOS 2600.1900 Section 8

GOS 2400.1500 (Record Retention)

TD.ICP: Internal Corrosion - Preventive Measures

133. Question Result, ID, References **Sat, TD.ICP.CORRGAS.P, 192.605(b)(2) (192.475(a))**
 Question Text *Does the process require that the corrosive effect of the gas in the pipeline be investigated and if determined to be corrosive, steps be taken to minimize internal corrosion?*
 Assets Covered **88984 (1829), 88985 (87)**
 Result Notes **GOS 2600.1700**
134. Question Result, ID, References **Sat, TD.ICP.CORRGASACTION.P, 192.605(b)(2) (192.477)**
 Question Text *Does the process give adequate direction for actions to be taken if corrosive gas is being transported by pipeline?*
 Assets Covered **88984 (1829), 88985 (87)**
 Result Notes **GOS 2600.1700 Section 3**
135. Question Result, ID, References **Sat, TD.ICP.EXAMINE.P, 192.605(b)(2) (192.475(a), 192.475(b))**
 Question Text *Does the process direct personnel to examine removed pipe for evidence of internal corrosion?*
 Assets Covered **88984 (1829), 88985 (87)**
 Result Notes **GOS 2600.1700 Section 4.1**
136. Question Result, ID, References **Sat, AR.RCOM.REPAIR.P, 192.605(b)(2) (192.487(a), 192.487(b), 192.489(a), 192.489(b), 192.491(c))**
 (also presented in: AR.RCOM)
 Question Text *Does the process give sufficient guidance for personnel to repair or replace pipe that has corroded to an extent that there is no longer sufficient remaining strength in the pipe wall?*
 Assets Covered **88984 (1829), 88985 (87)**
 Result Notes **GOS 2600.1900 Section 6**

TQ.QU: Qualification of Personnel - Specific Requirements

137. Question Result, ID, References **Sat, TQ.QU.CORROSION.P, 192.453 (192.805(b))**
 Question Text *Does the process require corrosion control procedures to be carried out by, or under the direction of, qualified personnel?*
 Assets Covered **88984 (1829), 88985 (87)**
 Result Notes **GOS 2600.1000 Section 3.1**
138. Question Result, ID, References **Sat, TQ.QU.HOTTAPQUAL.P, 192.627 (192.805(b))**
 Question Text *Does the process require taps on a pipeline under pressure (hot taps) to be performed by qualified personnel?*
 Assets Covered **88984 (1829), 88985 (87)**
 Result Notes **GOS 2700.1000 Section 3**

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

139. Question Result, ID, References **Sat, TQ.QUOMCONST.WELDER.P, 192.227(a) (192.225(a), 192.225(b), 192.328(a), 192.328(b))**
 Question Text *Does the process require welders to be qualified in accordance with API 1104 or the ASME Boiler & Pressure Vessel Code?*
 Assets Covered **88984 (1829), 88985 (87)**
 Result Notes **Welding Manual 2700.1400 Section 3.1**
140. Question Result, ID, References **Sat, TQ.QUOMCONST.WELDERLOWSTRESS.P, 192.227(b) (192.225(a), 192.225(b), 192.805(b))**
 Question Text *Does the process require welders who perform welding on low stress pipe on lines that operate at < 20% SMYS to be qualified under Section I of Appendix C to Part 192, and are welders who perform welding on service line connection to a main required to be qualified under Section II of Appendix C to Part 192?*
 Assets Covered **88984 (1829), 88985 (87)**
 Result Notes **Welding Manual 2700.1100 Section 5**

GENERIC.GENERIC: Generic Questions

141. Question Result, ID, References Sat, GENERIC.GENERIC.GENPROCEDURE.P, N/A

Question Text *Generic question - please provide context in result notes.*

Assets Covered 88985 (87)

Result Notes [Form E Question 63](#)

Does the operator have for each facility procedures for:

- Verification of connections to ensure proper delivery of gas (**SWARR O&M Section 18.1.5**)
- Tightness of connections (**SWARR O&M Section 18.2.13**)
- Hoses and fittings inspection (**SWARR O&M Section 18.1.5**)
- Valve sequencing (**SWARR O&M Section 18.3.11**)
- Disconnection procedures (**SWARR O&M Section 18.2.19**)
- Purging procedures (**SWARR O&M Section 18.2.19**)
- Normal transfer operations (**SWARR O&M Section 18**)
- Emergency transfer operation (**SWARR O&M Section 18.6**)

[Form E Question 64](#)

Are provisions implemented to prevent moving of tank vehicles during transfer? (NFPA 2004 11.2.4.3) (**SWARR O&M Section 18.1.2**)

[Form E Question 65](#)

Does each facility have a written operating procedures manual covering (NFPA 59 2004 11.1.1):

- Startup (**SWARR O&M Section 19**)
- Shut down (**SWARR O&M Section 20**)
- Operations (**SWARR O&M Operations Overview**)
- Actions to be taken if flammable concentrations of liquids or gases are detected using fixed detectors, portable detectors, operating malfunctions, and human senses (**SWARR O&M Section 17**)
- Purging and inerting equipment (**SWARR O&M Section 34 and Section 40**)
- Vaporizers (**SWARR O&M Section 9, 19.4, 20.2**)
- Refrigerated liquid (if applicable) **N/A**

[Form E Question 69](#)

Do the maintenance manuals include the following (NFPA 59 2004 12.1.3, 1-4):

- Drawings, procedures, and parts lists (**SWARR O&M Section 3**)
- Preventative maintenance procedures and schedules (NFPA 59 2004 12.2) (**SWARR O&M Section 31**)
- Routine inspections to be performed (**SWARR O&M Section 31**)
- Corrosion inspection and corrosion control procedures (**SWARR O&M Section 30, PSE GOS 2600**)
- Maintenance of fire protection equipment (NFPA 59 2004 12.2) (**SWARR O&M Section 31**)

[Form E Question 73](#)

Has a plan for fire fighting been developed?

- Does it address: (NFPA 59 2004 13.1.1*) (**SWARR EOP Section 2**)
- Does it address water supply per (NFPA 59 2004 13.4.1) and Portable or wheeled extinguishers available at strategic locations (NFPA 59 2004 13.5.1) (**SWARR EOP Section 4.3.2.2, SWARR O&M Section 27.6, 31.1.2, 31.3**)

Form E Question 74

Has a detailed emergency procedures manual been prepared and include (NFPA 59 2004 13.1.3(A)):

- Shutdown or isolation of equipment to ensure that the escape of gas or liquid is promptly cut off or reduced as much as possible **(SWARR EOP Section 3.6.1)**
- Use of fire protection **(SWARR EOP Section 4.3.2)**
- Notification of public authorities **(SWARR EOP Section 16)**
- First aid **(SWARR EOP Section 6.3.6)**
- Duties of personnel **(SWARR EOP Section 17)**

Form E Question 80

Is there a maintenance program for all plant fire protection equipment? (NFPA 59 2004 12.2, 13.6)

- Fire detectors alarm (NFPA 59 2004 13.2.4*) **(SWARR O&M Section 31.4)**
- Flammable gas detections Combustible Gas Detector (CGD's) & Ultraviolet-Infrared (UVIR's) (NFPA 59 2004 13.2.3) **(SWARR O&M Section 31.5)**
- Water supply equipment three (3) hydrants (NFPA 59 2004 13.1.1, 13.4.) **(SWARR O&M Section EOP 4.3.2.2, Inspected by City of Renton annually)**

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.