

Inspection Output (IOR)

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Report Filters

Assets All, and including items not linked to any asset.

Results All

Inspection Information

Inspection Name	8786 Georgia Pacific O&M review	Operator(s)	GEORGIA-PACIFIC CONSUMER OPERATIONS LLC (31096)	Plan Submitted	08/08/2024
Status	LOCKED	Lead	Tom Green	Plan Approval	08/14/2024 by Dennis Ritter
Start Year	2024	Team Members	David Cullom	All Activity Start	01/24/2024
System Type	GT	Observer(s)	Marina Rathbun, John Torske	All Activity End	08/30/2024
Protocol Set ID	WA.GT.2023.02	Supervisor	Dennis Ritter	Inspection Submitted	08/14/2024
		Director	Scott Rukke	Inspection Approval	08/15/2024 by Scott Rukke

Inspection Summary

Inspection Scope and Summary

This is a program inspection of Georgia Pacific Camas, WA. GT pipeline Operation & Maintenance Plan. Georgia Pacific O&M Plan, process and procedures were reviewed. No field work was anticipated or completed, this inspection focused on whether records supported the procedural requirements of Georgia Pacific O&M Plan.

*Georgia Pacific GT pipeline-10-inch- 1 mile long pipeline starting from Williams Pipeline Interconnection in the city of Washougal and ending at the GP Camas Facility.

Facilities visited and Total AFOD

Georgia Pacific Camas Mill to discuss procedures and view records

August 6, 2023

1 AFOD

Summary of Significant Findings

No findings

Primary Operator contacts and/or participants

Steve Ringuist - Project/Staff Engineer, Camas Mill - STEVE.RINGQUIST@GAPAC.com

Ron Simmons - Consultant

Carol Klusener - Compliance Manager, FHR Compliance Office - carol.klusener@fhr.com

Roy Rogers PE - Underground Corrosion Control Specialist - cpeport@comcast.ne

Operator executive contact and mailing address for any official correspondence

Kurt McMillan - Director Transportation Compliance, FHR Compliance Office

Michael Wehry - transportation Manager, FHR Compliance Office

Scope (Assets)

Short # Name	Long Name	Asset Type	Asset IDs	Excluded Topics	Planned	Required	Inspected	Total	Required % Complete
1. 86255	Georgia-Pacific	unit	86255	Compressor Stations Bottle/Pipe - Holders Vault Service Line Gas Storage Field (Aboveground) Offshore Cast or Ductile Iron Copper Pipe Aluminum/Amphoteric Plastic Pipe GOM OCS	205	205	205	205	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. 86255	WUTC O&M Inspection	AR, CR, DC, EP, FS, IM, MO, PD, RPT, SRN, TD, TQ, UNGS, 114, GENERIC	P, R, O, S	Detail --

Plan Implementations

# Activity Name	SMART Act#	Start Date	End Date	Focus Directives	Involved Groups/Subgroups	Asset Types	Qst Type(s)	Planned	Required	Inspected	Total	Required % Complete
1 Review with Operator	--	01/24/2024	08/30/2024	--	all planned questions	all assets	all types	205	205	205	205	100.0%

1. Since questions may be implemented in multiple activities, but answered only once, questions may be represented more than once in this table.

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

Forms

No.	Entity	Form Name	Status	Date Completed	Activity Name	Asset
1.	Attendance List	Review with Operator	COMPLETED	08/15/2024	Review with Operator	86255

Results (all values, 205 results)

224 (instead of 205) 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), 192.507(a), 192.507(b), 192.507(c), 192.513(a), 192.513(b), 192.513(c), 192.513(d), 192.921(a)(2))

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

Assets Covered 86255

Result Notes O&M Section 9.2; 17.1; 17.3; 17.4; 17.5 sufficiently cover the test criteria and processes for an acceptable pressure test.

AR.RMP: Repair Methods and Practices

2. 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 86255
Result Notes O&M Sections 3,4; 16.13; 18.8 and 19 ensure that repairs will be made in a safe manner and so as to prevent damage to persons and property.
3. Question Result, ID, References Sat, AR.RMP.IGNITION.P, 192.605(b)(1) (192.751(a), 192.751(b), 192.751(c))
Question Text *Is there a process for preventing accidental ignition where gas presents a hazard of fire or explosion?*
Assets Covered 86255
Result Notes O&M section 3.4 and 12 covers the process for preventing accidental ignition where gas presents a hazard of fire or explosion.
4. Question Result, ID, References Sat, AR.RMP.HOTTAP.P, 192.605(b)(1) (192.627)
Question Text *Is the process adequate for tapping pipelines under pressure?*
Assets Covered 86255
Result Notes tapping pipelines under pressure are covered in O&M sections 15.7 and 16.6.
5. Question Result, ID, References Sat, AR.RMP.REPAIRREQT.P, 192.605(b)(1) (192.711(a), 192.711(b), 192.711(c), 192.717(b)(3))
Question Text *Does the repair process capture the requirements of 192.711 for transmission lines?*
Assets Covered 86255
Result Notes O&M section 15.1; 15.2; 15.3; 15.4; and 15.5 cover the requirements of 192.711.
6. Question Result, ID, References Sat, AR.RMP.FIELDREPAIRDEFECT.P, 192.605(b)(1) (192.713(a), 192.713(b))
Question Text *Is the process adequate for the permanent field repair of defects in transmission lines?*
Assets Covered 86255
Result Notes O&M section 15.3 covers the process of repairing defects in transmission lines.
7. Question Result, ID, References Sat, AR.RMP.FIELDREPAIRWELDS.P, 192.605(b) (192.715(a), 192.715(b), 192.715(c))
Question Text *Is the process adequate for the permanent field repair of welds?*
Assets Covered 86255
Result Notes The process for the permanent field repair of welds is covered in O&M section 15.4
8. Question Result, ID, References Sat, AR.RMP.FIELDREPAIRLEAK.P, 192.605(b) (192.717(a), 192.717(b))
Question Text *Is there an adequate process for the permanent field repair of leaks on transmission lines?*
Assets Covered 86255
Result Notes The process for the permanent field repair of leaks on transmission line is covered in O&M section 15.5
9. Question Result, ID, References Sat, AR.RMP.WELDTTEST.P, 192.605(b) (192.719(a), 192.719(b))
Question Text *Is the process adequate for the testing of replacement pipe and repairs made by welding on transmission lines?*
Assets Covered 86255
Result Notes The process for the testing of replacement pipe and repairs made by welding on transmission lines is covered in O&M sections 15.8; 15.9; and 17.1

DC.CO: Construction

10. Question Result, ID, References **Sat, DC.CO.INSPECTGEN.P, 192.303 (192.305)**
 Question Text *Does the process require the pipeline to be inspected to ensure that it is constructed in accordance with Part 192?*
 Assets Covered **86255**
 Result Notes **O&M section 16 Welding and Construction.**
11. Question Result, ID, References **Sat, DC.CO.CASING.P, 192.303 (192.323(a), 192.323(b), 192.323(c), 192.323(d), 192.467(a), 192.467(b))**
 Question Text *Does the process require railroad or highway casings to be in accordance with the requirements of 192.323?*
 Assets Covered **86255**
 Result Notes **casing processes are in accordance with 192.32 in O&M section 15.14.**
12. Question Result, ID, References **NA, DC.CO.NONWELDJOINT.P, 192.303 (192.273(a), 192.273(b), 192.273(c))** (also presented in: **DC.PLASTIC**)
 Question Text *Does the process require that pipeline joints (to be made other than by welding) be designed and installed in accordance with 192.273?*
 Assets Covered **86255**
 Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**
13. Question Result, ID, References **Sat, DC.CO.SPECS.P, 192.303**
 Question Text *Does the operator have written construction specifications or standards as required of 192.303?*
 Assets Covered **86255**
 Result Notes **O&M section 15- written standards for construction**
14. Question Result, ID, References **Sat, DC.CO.INSPECTVISUAL.P, 192.303 (192.307)**
 Question Text *Does the process require pipe and other components to be visually inspected prior to installation?*
 Assets Covered **86255**
 Result Notes **O&M section 15 requires pipe and components to be visually inspected prior to installation.**
15. Question Result, ID, References **Sat, DC.CO.REPAIR.P, 192.303 (192.309, 192.493)**
 Question Text *Does the process require repairs to steel pipe in accordance with §192.309?*
 Assets Covered **86255**
 Result Notes **O&M sections 15 and 16 cover repairs to steel pipe**
16. Question Result, ID, References **Sat, DC.CO.FIELD BEND.P, 192.303 (192.313(a), 192.313(b), 192.313(c), 192.315(a))**
 Question Text *Does the process require field bends to be made in accordance with 192.313?*
 Assets Covered **86255**
 Result Notes **The process for field bends in the field are covered by O&M section 15.10.**
17. Question Result, ID, References **Sat, DC.CO.WRINKLEBEND.P, 192.303 (192.315(a), 192.315(b))**
 Question Text *Does the process require that wrinkle bends are made in accordance with 192.315?*
 Assets Covered **86255**
 Result Notes **Wrinkle bends are made in accordance with 192.315 with O&M section 15.11,**
18. Question Result, ID, References **Sat, DC.CO.HAZARD.P, 192.303 (192.317(a), 192.317(b), 192.317(c), 192.103, ADB-2022-01)**
 Question Text *Does the operator have written specifications requiring transmission line or main be protected from hazards in accordance with 192.317?*
 Assets Covered **86255**
 Result Notes **GP Camas has written specifications for protection transmission line from hazards in O&M section 15.12.**
19. Question Result, ID, References **Sat, DC.CO.INSTALL.P, 192.303 (192.319(a), 192.319(b))**
 Question Text *Does the process require that piping be installed such that stresses are minimized and the coating is protected?*

Assets Covered 86255

Result Notes O&M section 15.13 requires the piping be installed such that stresses are minimized and the coating is protected.

20. Question Result, ID, Sat, DC.CO.CLEARANCE.P, 192.303 (192.325(a), 192.325(b), 192.325(c), 192.325(d)) (also presented References in: DC.PLASTIC)

Question Text *Does the process require pipe to be installed with clearances specified in 192.325 and (if plastic) installed as to prevent heat damage to the pipe?*

Assets Covered 86255

Result Notes Underground clearances for steel and plastic are covered by O&M section 15.15 Underground Clearances Requirements.

21. Question Result, ID, Sat, DC.CO.COVERONSHORE.P, 192.303 (192.327(a), 192.327(b), 192.327(c), 192.327(d), 192.327(e)) References

Question Text *Does the process specify that onshore piping is to be installed with a depth of cover as specified in 192.327?*

Assets Covered 86255

Result Notes O&M section 15.16 specify the depth of piping.

DC.WELDINSPECTION: Construction Weld Inspection

22. Question Result, ID, Sat, DC.WELDINSPECTION.WELDVISUALQUAL.P, 192.241 (192.225, 192.227, 192.229, 192.231, 192.233, References 192.243, 192.245)

Question Text *Does the operator have comprehensive written specifications or procedures for the inspection and testing of welds that meet the requirements of 192.241?*

Assets Covered 86255

Result Notes procedures for the inspection and testing of welds are covered by O&M sections 16.11 and 16.12.

23. Question Result, ID, Sat, DC.WELDINSPECTION.WELDNDT.P, 192.243 References

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

Assets Covered 86255

Result Notes The process for nondestructive testing are covered by O&M sections 16.2; 16.11 and 4.9.

24. Question Result, ID, Sat, DC.WELDINSPECTION.WELDREPAIR.P, 192.245 (192.303) References

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

Assets Covered 86255

Result Notes Processes that require welds that are unacceptable to be removed and/or repaired are covered by O&M sections 16.13 and 16.8.

DC.WELDPROCEDURE: Construction Welding Procedures

25. Question Result, ID, Sat, DC.WELDPROCEDURE.WELD.P, 192.225 References

Question Text *Does the operator have written specifications requiring qualified welding procedures in accordance with 192.225?*

Assets Covered 86255

Result Notes Operator has written specifications for qualified welding procedures in O&M section 16.3 and figure 1.

26. Question Result, ID, Sat, DC.WELDPROCEDURE.WELDERQUAL.P, 192.227 (192.225, 192.229) References

Question Text *Do the written specifications require welders to be qualified in accordance with applicable sections of API Standard 1104 or ASME BPVC, Section IX and cover the limitations in §192.229?*

Assets Covered 86255

Result Notes Welders qualification and limitations are cover by O&M sections 16.4 and 16.5.

27. Question Result, ID, Sat, DC.WELDPROCEDURE.WELDWEATHER.P, 192.231 (192.225, 192.227) References

Question Text *Does the operator have written specifications that require the welding operation to be protected from weather conditions that would impair the quality of the completed weld?*

Assets Covered 86255

Result Notes O&M section 16.9 covers protection from weather.

28. Question Result, ID, References Sat, DC.WELDPROCEDURE.MITERJOINT.P, 192.233

Question Text *Does the operator have written specifications or procedures that prohibit the use of certain miter joints as required by 192.233?*

Assets Covered 86255

Result Notes The procedures that prohibit the use of certain miter joints are covered by O&M section 16.7.

29. Question Result, ID, References Sat, DC.WELDPROCEDURE.WELDPREP.P, 192.235

Question Text *Does the operator have comprehensive written specifications or procedures that require preparations for welding in accordance with 192.235?*

Assets Covered 86255

Result Notes Procedures for preparations for welding are covered by O&M section 16.6.

DC.DP: Design of Pipe

30. Question Result, ID, References Sat, DC.DP.PIPEDESIGN.P, 192.103 (192.105, 192.107, 192.109, 192.111, 192.112, 192.115, 192.121, 192.123, 192.125, 192.303, 192.305, 192.307)

Question Text *Does the operator have specifications in place for pipe design so that the wall thickness is sufficient or installed with adequate protection to withstand external pressures and loads that will be imposed on the pipe after installation?*

Assets Covered 86255

Result Notes O&M section 4.13 Pipe Design and section 9 figure 1.

31. Question Result, ID, References Sat, DC.DP.PIPEDESMAOP.P, 192.105 (192.103, 192.107, 192.109, 192.111, 192.113, 192.115, 192.121, 192.123, 192.125, 192.303, 192.305, 192.307)

Question Text *Does the operator have written procedures in place for steel pipe design so that the wall thickness is sufficient for the intended maximum operating pressure as required by 192.105?*

Assets Covered 86255

Result Notes O&M section 9 figure 1.3, 1.4 and 1.5

32. Question Result, ID, References Sat, DC.DP.PIPEDESFACTOR.P, 192.111 (192.103, 192.105, 192.107, 192.109, 192.112, 192.115, 192.121, 192.123, 192.125, 192.303, 192.305, 192.307)

Question Text *Does the operator have written procedures for determining the Design Factor to be used for steel pipe as required by 192.111?*

Assets Covered 86255

Result Notes O&M section 10.15 Determining Remaining Strength of Pipe.

DC.DPCOPP: Design of Pipe - Overpressure Protection

33. Question Result, ID, References Sat, DC.DPCOPP.OVERPRESSURE.P, 192.303 (192.143(b), 192.195(a), 192.199(a), 192.199(b), 192.199(c), 192.199(d), 192.199(e), 192.199(f), 192.199(g), 192.199(h), 192.201(a), 192.201(b), 192.201(c), 192.143(a))

Question Text *Does the process require the pipeline have pressure relieving or pressure limiting devices that are required of 192.195(a), and that they meet the requirements of 192.199 and 192.201?*

Assets Covered 86255

Result Notes O&M Section 9.6 Pressure Control Pressure Relief & Limiting Device Designed.

34. Question Result, ID, References Sat, DC.DPCOPP.PRESSLIMIT.P, 192.303 (192.143(b), 192.199(a), 192.199(b), 192.199(c), 192.199(d), 192.199(e), 192.199(f), 192.199(g), 192.199(h), 192.143(a))

Question Text *Does the process require that pressure relieving or pressure limiting devices meet the requirements of 192.199?*

Assets Covered 86255

Result Notes O&M section 9.6 meet the requirements for pressure relieving and limiting devices of 192.199.

35. Question Result, ID, References **Sat, DC.DPCOPP.PRESSLIMITCAP.P, 192.201(a) (192.143(a), 192.143(b), 192.201(b), 192.201(c))**
 Question Text *Does the process require that pressure relief or pressure limiting stations being installed comply with 192.201?*
 Assets Covered **86255**
 Result Notes **O&M section 9.6 requires that the pressure relief or limiting stations being installed comply with 192.201.**
36. Question Result, ID, References **NA, DC.DPCOPP.MULTISTAGE.P,**
 Question Text *Does the process require that the operator install multistage regulator equipment consistent with the requirements in WAC 480-93-130?*
 Assets Covered **86255**
 Result Notes **N/A - No multistage regulation.**

DC.DPC: Design of Pipe Components

37. Question Result, ID, References **Sat, DC.DPC.METALCOMPONENT.P, 192.144 (192.607)**
 Question Text *Do the procedures require certain metallic components to be qualified for use in accordance with 192.144?*
 Assets Covered **86255**
 Result Notes **O&M Section 4.13 Verification of Pipeline Material & Attributes.**
38. Question Result, ID, References **Sat, DC.DPC.VALVE.P, 192.145 (192.145(a), 192.145(b), 192.145(c), 192.145(d), 192.145(e), 192.145(f), 192.607)**
 Question Text *Do the procedures require that valves comply with the requirements of §192.145?*
 Assets Covered **86255**
 Result Notes **O&M section 11.4 Valve Specifications.**
39. Question Result, ID, References **Sat, DC.DPC.FLANGE.P, 192.147 (192.147(a), 192.147(b), 192.147(c), 192.607)**
 Question Text *Do the procedures require that flanges and flange accessories meet the requirements of §192.147?*
 Assets Covered **86255**
 Result Notes **O&M Section 4.13 Verification of Pipeline Material & Attributes.**
40. Question Result, ID, References **Sat, DC.DPC.STANDARDFITTING.P, 192.149(a) (192.149(b), 192.143(a), 192.143(b), 192.607)**
 Question Text *Do procedures require that standard fittings are in compliance with §192.149?*
 Assets Covered **86255**
 Result Notes **O&M Section 4.13 Verification of Pipeline Material & Attributes.**
41. Question Result, ID, References **Sat, DC.DPC.ILIPASS.P, 192.103 (192.150(a), 192.150(c))**
 Question Text *Does the process require that certain transmission pipeline components are designed and constructed to accommodate the passage of instrumented internal inspection devices?*
 Assets Covered **86255**
 Result Notes **O&M section 15.9 requires that certain transmission pipeline components are designed and constructed to accommodate the passage of instrumented internal devices.**
42. Question Result, ID, References **Sat, DC.DPC.TAP.P, 192.143 (192.151(a), 192.151(b), 192.151(c))**
 Question Text *Does the process require pipeline hot taps (or taps) and tapping fittings to comply with the requirements of 192.151?*
 Assets Covered **86255**
 Result Notes **O&M Section 15.7 Tapping Pipelines. Greogia Pacific does not allow Hot Tapping.**
43. Question Result, ID, References **NA, DC.DPC.WELDFABRICATE.P, 192.143(a) (192.153(a), 192.153(b), 192.153(c), 192.153(d))**
 Question Text *Does the process require components fabricated by welding, such as branch connections, assemblies of standard pipe, or prefabricated units utilized in the construction of a pipeline, are to be in accordance with 192.153?*

Assets Covered 86255

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

44. Question Result, ID, NA, DC.DPC.EXTRUDEOUTLET.P, 192.149(b) (192.157)
References

Question Text *Does the process require each extruded outlet to be suitable for anticipated service conditions and designed in accordance to §192.157?*

Assets Covered 86255

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

45. Question Result, ID, Sat, DC.DPC.FLEXIBLE.P, 192.143(a) (192.159)
References

Question Text *Does the process require pipeline and pipe components to be designed for flexibility in accordance with §192.159?*

Assets Covered 86255

Result Notes 192.159 is covered by O&M section 16.14.

46. Question Result, ID, Sat, DC.DPC.SUPPORT.P, 192.161
References

Question Text *Does the process require piping and associated equipment to have sufficient anchors or supports to prevent undue strain on connected equipment, resist longitudinal forces, and prevent or dampen excessive vibration in accordance with §192.161?*

Assets Covered 86255

Result Notes O&M section 16.15 Supports and Anchors.

47. Question Result, ID, Sat, DC.DPC.VALVSPACE.P, 192.143 (192.179(a), 192.179(a)(1), 192.179(a)(2), 192.179(a)(3),
References 192.179(a)(4), 192.179(b), 192.179(c), 192.179(d), 192.179(e), 192.179(f), 192.179(g), 192.179(h))

Question Text *Does the process require transmission line valve spacing to be accordance with §192.179(a)?*

Assets Covered 86255

Result Notes O&M section 11.1 Valve Spacing

48. Question Result, ID, Sat, DC.DPC.INSTRUMENTPIPE.P, 192.143(a) (192.143(b), 192.203(a), 192.203(b))
References

Question Text *As applicable to the project, does the process require that instrument, control, and sampling pipe and components are to be designed in accordance with 192.203?*

Assets Covered 86255

Result Notes O&M 9.5 Instrument, Control, Sampling Pipe. Spec Pipe Material Standard PP15050-522.

49. Question Result, ID, Sat, DC.DPC.INTCORRODE.P, 192.453 (192.476(a), 192.476(b), 192.476(c))
References

Question Text *Does the process require that the transmission line project has features incorporated into its design and construction to reduce the risk of internal corrosion, as required of 192.476?*

Assets Covered 86255

Result Notes O&M section 10.3 requires that the transmission line project has features incorporated into its design and construction to reduce the risk of internal corrosion.

50. Question Result, ID, Sat, DC.DPC.CCROTCOATSURFPREP.P, 192.143(b) (192.461(a), 192.303, 192.309(a))
References

Question Text *Do the procedures and/or written specifications stipulate that each protective coating applied for the purpose of external corrosion control must be applied on a properly prepared surface?*

Assets Covered 86255

Result Notes O&M section 10.5 stipulates that each protective coating applied for the purpose of external corrosion control must be applied on a properly prepared surface.

51. Question Result, ID, Sat, DC.DPC.CCROTCOATPROP.P, 192.143(b) (192.461(a)(2), 192.461(a)(3), 192.461(a)(4),
References 192.461(a)(5), 192.461(b))

Question Text *Do the operator's written specifications stipulate that each protective coating applied for the purpose of external corrosion control will have sufficient adhesion to the metal surface to effectively resist underfilm migration of moisture; sufficient ductility to resist cracking; sufficient strength to resist damage due to handling and soil stress; properties compatible with any supplemental cathodic protection; and, electrically insulating type with low moisture absorption and high electrical resistance?*

Assets Covered 86255

Result Notes O&M section 10.5 External Corrosion

52. Question Result, ID, References **Sat, DC.DPC.CCROTCOATLOWER.P, 192.143(b) (192.461(c))** (also presented in: DC.CO)
 Question Text *Do written specifications stipulate that each external protective coating must be inspected just prior to lowering the pipe into the ditch and backfilling, and any damage detrimental to effective corrosion control must be repaired?*
 Assets Covered **86255**
 Result Notes **the inspection of protective coating prior to lowering the pipe into the ditch and backfilling in covered by O&M section 15.**
53. Question Result, ID, References **Sat, DC.DPC.CCROTCOATINGINDITCH.P, 192.143(b) (192.461(d))**
 Question Text *Do operator's written specifications stipulate that each external protective coating must be protected from damage resulting from adverse ditch conditions or damage from supporting blocks?*
 Assets Covered **86255**
 Result Notes **O&M 10.5 External corrosion**
54. Question Result, ID, References **Sat, DC.DPC.CCROTCOATBORING.P, 192.143(b) (192.461(e))**
 Question Text *Do operator's written specifications stipulate that precautions must be taken to minimize damage to the coating during installation, if coated pipe is installed by boring, driving, or other similar method?*
 Assets Covered **86255**
 Result Notes **O&M section 10.5 External corrosion.**
55. Question Result, ID, References **Sat, DC.DPC.CORROSIONQUAL.P, 192.303 (192.143(b), 192.453)**
 Question Text *Do the operator's written specifications stipulate that the design and installation of cathodic protection systems, must be carried out by, or under the direction of, a person qualified in pipeline corrosion control methods?*
 Assets Covered **86255**
 Result Notes **O&M section 10 stipulates that the design and installation of cathodic protection systems must be carried out by, or under the direction of, a person qualified in pipeline corrosion methods.**
56. Question Result, ID, References **Sat, DC.DPC.CCCATHPROTDES.P, 192.463(a) (192.143(b), ADB-2003-06)**
 Question Text *Do operator's written specifications stipulate that the cathodic protection system must be designed and installed to comply with one or more of the applicable criteria contained in Appendix D of Part 192?*
 Assets Covered **86255**
 Result Notes **O&M section 10.6 complies with one or more of the applicable criteria contained in Appendix D of part 192.**
57. Question Result, ID, References **Sat, DC.DPC.CCCATHPROTLEVEL.P, 192.303 (192.143, 192.463(c))**
 Question Text *Do the operator's written specifications stipulate that amount of cathodic protection must be designed so as not to damage the protective coating or the pipe?*
 Assets Covered **86255**
 Result Notes **O&M section 10.2 cathodic protection must be designed so as to not damage the protective coating or the pipe.**
58. Question Result, ID, References **Sat, DC.DPC.CCELECTRICALISOL.P, 192.467(c) (192.143(b))**
 Question Text *Do operator's written specifications stipulate that each pipeline must be electrically isolated from metallic casings that are a part of the underground system?*
 Assets Covered **86255**
 Result Notes **O&M section 10.16 stipulates that each pipeline must be electrically isolated from metallic casing.**
59. Question Result, ID, References **Sat, DC.DPC.CCELECTRISOLSTRUCT.P, 192.143(b) (192.467(a), 192.467(b), 192.467(d), 192.467(e), 192.467(f), NACE RP0169, NACE SP0200-2008)**
 Question Text *Do written specifications stipulate that each buried or submerged pipeline must be electrically isolated from other underground metallic structures?*
 Assets Covered **86255**
 Result Notes **O&M section 10.16 stipulates that each buried pipeline must be electrically isolated from other metallic structures.**

60. Question Result, ID, References [Sat, DC.DPC.CCEXTRNLPROT.P, 192.303 \(192.143\(b\), 192.455\(a\)\)](#)
Question Text *Do the written specifications stipulate that each buried or submerged pipeline installed after July 31, 1971, must be protected against external corrosion within 1 year after completion of construction, conversion to service, or becoming jurisdictional onshore gathering?*
Assets Covered [86255](#)
Result Notes [O&M section 10.5 External corrosion, covers installation after July 31, 1971.](#)

DC.MO: Maintenance and Operations

61. Question Result, ID, References [Sat, DC.MO.ICEXAMINE.P, 192.605\(b\) \(192.475\(a\), 192.475\(b\), 192.475\(c\)\)](#)
Question Text *Does the process direct personnel to examine removed pipe for evidence of internal corrosion?*
Assets Covered [86255](#)
Result Notes [O&M section 10.4 directs personnel to examine removed pipe for evidence of internal corrosion.](#)
62. Question Result, ID, References [Sat, DC.MO.MAOPLIMIT.P, 192.605\(b\)\(5\)](#)
Question Text *Does the process include procedures for starting up and shutting down any part of the pipeline system in a manner designed to assure operation within the MAOP limits prescribed by Part 192, plus the build-up allowed for operation of pressure-limiting and control devices?*
Assets Covered [86255](#)
Result Notes [O&M section 3.3 cover start-up and shutdown procedures.](#)
63. Question Result, ID, References [Sat, DC.MO.HOTTAP.P, 192.605\(b\) \(192.627\)](#)
Question Text *Are there processes for tapping pipelines under pressure?*
Assets Covered [86255](#)
Result Notes [O&M section 15.7 cover the procedure for tapping pipelines under pressure.](#)

DC.MA: Materials

64. Question Result, ID, References [Sat, DC.MA.GEN.P, 192.53 \(192.55, 192.59, 192.63\)](#)
Question Text *Does the operator have written specifications or procedures that require that materials for pipe and components meet the requirements of 192.53?*
Assets Covered [86255](#)
Result Notes [O&M section 4.15 Material Properties](#)
65. Question Result, ID, References [Sat, DC.MA.STEELPIPE.P, 192.55 \(192.53\)](#)
Question Text *Does the operator have written procedures or specifications that require steel pipe be qualified for use under Part 192 according to 192.55? (see considerations for requirements of 192.55)*
Assets Covered [86255](#)
Result Notes [O&M section 4.15 Material Properties.](#)
66. Question Result, ID, References [Sat, DC.MA.MARKING.P, 192.63](#) (also presented in: [DC.PLASTIC](#))
Question Text *Does the operator have specifications requiring pipe, valves, and fittings to be marked according to the requirements of §192.63?*
Assets Covered [86255](#)
Result Notes [Requirements for pipe, valves, and fittings to be marked according to 192.63 are covered by O&M section 3.6 Marking of Materials](#)

DC.PT: Pressure Testing

67. Question Result, ID, References [Sat, DC.PT.PRESSTEST.P, 192.605\(b\) \(192.303, 192.503\(a\), 192.503\(b\), 192.503\(c\), 192.503\(d\), 192.503\(e\)\)](#) (also presented in: [DC.PTLOWPRESS](#))
Question Text *Does the process require pressure testing to be conducted for new segments of pipeline, or return to service segments of pipeline that are being relocated or replaced?*

Assets Covered 86255

Result Notes O&M section 17.1 covers testing of new, returned to service segments of pipeline that are being relocated or replaced.

68. Question Result, ID, Sat, DC.PT.PRESSTESTHIGHSTRESS.P, 192.505(a) (192.143(a), 192.505(b), 192.505(c), 192.505(d),
References 192.143(b), 192.143(c))

Question Text *Does the process require that, as applicable to the project, sections of a pipeline operating at a hoop stress equal to or greater than 30% of SMYS be strength tested in accordance with the requirements of 192.505?*

Assets Covered 86255

Result Notes O&M section 17.3 Strength Test Requirements covers 192.505

69. Question Result, ID, Sat, DC.PT.PRESSTESTENVIRON.P, 192.515(b) (192.629(a), 192.629(b)) (also presented in: DC.SPT,
References DC.PTLOWPRESS)

Question Text *Does the process require that, as applicable to the project, while conducting tests under Subpart J – Test Requirements, the test medium will be disposed of in a manner that will minimize damage to the environment?*

Assets Covered 86255

Result Notes O&M section 17.2 Personnel/ Environmental Protection, covers the disposal of test medium.

70. Question Result, ID, Sat, DC.PT.PRESSTESTSAFETY.P, 192.515(a) (192.629(a), 192.629(b)) (also presented in: DC.SPT,
References DC.PTLOWPRESS)

Question Text *Does the process require that, as applicable to the project, while conducting tests under Subpart J – Test Requirements, every reasonable precaution is taken to protect its employees and the general public throughout the testing?*

Assets Covered 86255

Result Notes O&M section 17.2 Personnel/ Environmental Protection, covers the protection of personnel during testing.

71. Question Result, ID, Sat, DC.PT.PRESSTESTRECORD.P, 192.517(a) (192.517(b)) (also presented in: DC.SPT,
References DC.PTLOWPRESS)

Question Text *Does the process require that, as applicable to the project, creation and retention of a record of each Subpart J test for the required duration?*

Assets Covered 86255

Result Notes O&M section 4.7 covers the creation and retention of a record of each test.

72. Question Result, ID, Sat, DC.PT.EQUIPMENTCALIBRATION.P,
References

Question Text *Does the process ensure that pressure testing equipment is maintained and calibrated at appropriate intervals in accordance with the manufacturer's recommendations?*

Assets Covered 86255

Result Notes O&M section 17.8 ensures that pressure testing equipment is maintained and calibrated at appropriate intervals in accordance with manufacture's recommendations.

DC.PTLOWPRESS: Pressure Testing - Low Pressure

73. Question Result, ID, Sat, DC.PTLOWPRESS.PRESSTESTLOWSTRESS.P, 192.507 (192.505, 192.515, ANSI/GPTC Z380.1-2018
References Appendix G-192-9)

Question Text *Does the process require that, as applicable to the project, sections of a pipeline operating at a hoop stress less than 30% of SMYS and at or above 100 psig be tested in accordance with the requirements of 192.507?*

Assets Covered 86255

Result Notes O&M section 17.5 Strength Test Requirements covers requirements of 192.507.

DC.TQ: Training and Qualification

74. Question Result, ID, Sat, DC.TQ.OQCONSTMAINT.P, 192.805(a) (192.493, Operators OQ program manual)
References

Question Text *Does the process include covered tasks relating to "construction-type" maintenance?*

Assets Covered 86255

Result Notes Section 8.1, Work done by third party. Any work would need GP approval.

EP.ERG: Emergency Response

75. Question Result, ID, References **Sat, EP.ERG.REVIEW.P, 192.605(a) (192.9(d), 192.9(e),)**
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 **86255**
Result Notes **O&M section 2.1 Manuel Review, requires the review of the manual at intervals not exceeding 15 months, but at least once each calendar year.**
76. Question Result, ID, References **Sat, EP.ERG.INCIDENTDATA.P, 192.605(b)(4) (191.5(a), 192.9(d), 192.9(e))**
Question Text *Does the process include the steps necessary for the gathering of data needed for reporting incidents under Part 191 of this chapter in a timely and effective manner?*
Assets Covered **86255**
Result Notes **O&M sections 19.15 Incident Telephonic Reporting and 19.6 Incident Definition cover the steps necessary for gathering of data needed for reporting incidents in a timely manner.**
77. Question Result, ID, References **Sat, EP.ERG.NOTICES.P, 192.615(a)(1) (192.9(d), 192.9(e))**
Question Text *Does the emergency plan include procedures for receiving, identifying, and classifying notices of events which need immediate response?*
Assets Covered **86255**
Result Notes **O&M section 19.4 Classifying Notice of Event, covers the process for receiving, identifying, and classifying notices of events which need immediate response.**
78. Question Result, ID, References **Sat, EP.ERG.COMMSYS.P, 192.615(a) (192.615(a)(2), 192.9(d), 192.9(e))**
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 **86255**
Result Notes **O&M sections 19.5 Communication with Public Officials and 19.14 Local Emergency Officials, cover maintaining adequate means of communication with appropriate fire, police, and other public officials.**
79. Question Result, ID, References **Sat, EP.ERG.RESPONSE.P, 192.615(a) (192.615(a)(3), 192.615(a)(11), 192.615(b)(1), 192.9(d), 192.9(e))**
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, operational failure (including Cyber-attacks), or a natural disaster?*
Assets Covered **86255**
Result Notes **O&M section 19 Emergency Response Plan.**
80. Question Result, ID, References **Sat, EP.ERG.READINESS.P, 192.615(a) (192.615(a)(4), 192.9(d), 192.9(e))**
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 **86255**
Result Notes **O&M sections 19.12 Emergency Personnel and Equipment and 19.28 Organizational Emergency Equipment Readiness, cover the procedure for ensuring the availability of personnel, equipment, tools, and material needed.**
81. Question Result, ID, References **Sat, EP.ERG.PUBLICPRIORITY.P, 192.615(a) (192.615(a)(5), 192.9(d), 192.9(e))**
Question Text *Does the emergency plan include procedures for taking actions directed toward protecting people first and then property?*
Assets Covered **86255**
Result Notes **O&M section 19.2 Response Guidelines, directs actions for protecting people first than property.**
82. Question Result, ID, References **Sat, EP.ERG.PRESSREDUCESD.P, 192.615(a) (192.615(a)(6), 192.9(d), 192.9(e))**
Question Text *Does the emergency plan include procedures for the emergency shutdown, valve shut-off, or pressure reduction in any section of pipeline system necessary to minimize hazards to life or property?*
Assets Covered **86255**

- Result Notes Procedures for emergency shutdown, valve shut-off, or pressure reduction is covered by O&M section 19.22 Emergency Shutdown of the Pipeline or Pressure Reduction.
83. Question Result, ID, References Sat, EP.ERG.PUBLICHAZ.P, 192.605(a) (192.615(a)(7), 192.9(d), 192.9(e))
 Question Text *Does the emergency plan include procedures for making safe any actual or potential hazard to life or property?*
 Assets Covered 86255
 Result Notes O&M section 19 Emergency Response Plan, covers the emergency plan which includes procedures for making safe any actual or potential hazard to life or property.
84. Question Result, ID, References Sat, EP.ERG.AUTHORITIES.P, 192.615(a) (192.615(a)(8), 192.9(d), 192.9(e))
 Question Text *Does the emergency plan include procedures for notifying appropriate public safety answering point (911) of gas pipeline emergencies and coordinating with them both planned responses and actual responses during an emergency?*
 Assets Covered 86255
 Result Notes O&M section 19.5 Communication with Public Officials, covers public officials and 911 during an emergency.
85. Question Result, ID, References Sat, EP.ERG.NOTIFY911.P, 192.615(a) (192.615(a)(8), 192.9(d), 192.9(e), NTSB P-11-9)
 Question Text *Does the emergency plan define the operator's designated person(s) (e.g., controller or other personnel) responsible to directly notify 911 or the phone number of appropriate local emergency officials to report emergencies and possible pipeline ruptures to first responder agencies/authorities?*
 Assets Covered 86255
 Result Notes O&M section 19.5 Communication with Public Officials
86. Question Result, ID, References Sat, EP.ERG.OUTAGERESTORE.P, 192.615(a) (192.615(a)(9), 192.9(d), 192.9(e))
 Question Text *Does the emergency plan include procedures for safely restoring any service outage?*
 Assets Covered 86255
 Result Notes O&M section 19.21 Placing Systems Back into Service, covers procedure for safely restoring service.
87. Question Result, ID, References Sat, EP.ERG.POSTEVTREVIEW.P, 192.615(b)(3) (192.9(d), 192.9(e))
 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 86255
 Result Notes O&M section 19.20 Post-incident effectiveness review.
88. Question Result, ID, References Sat, EP.ERG.LIAISON.P, 192.615(a)(2) (192.615(c)(1), 192.615(c)(2), 192.615(c)(3), 192.615(c)(4), 192.616(c), 192.9(d), 192.9(e), ADB-2005-03)
 Question Text *Does the process include steps for establishing and maintaining liaison with appropriate fire, police, other public officials, and 911 emergency call centers?*
 Assets Covered 86255
 Result Notes O&M section 19 Emergency Response Plan, maintains liaison with appropriate fire, police, other public officials, and emergency call centers.
89. Question Result, ID, References Sat, EP.ERG.NOTIFPOTRUPTURE.P, 192.635
 Question Text *Does the operator have procedures to identify and notify operator personnel of a potential rupture?*
 Assets Covered 86255
 Result Notes O&M section 19 Emergency Response Plan, covers identifies and notifies operator personnel of a potential rupture.
90. Question Result, ID, References Sat, EP.ERG.VALVESHUTOFF.P, 192.605(b) (192.636(b))
 Question Text *Does the operator have procedures requiring shut-off of RMVs or AETs following identification of a release?*
 Assets Covered 86255
 Result Notes O&M section 11.9 Transmission Lines: Response to a Rupture/ Capabilities, covers RMVs

91. Question Result, ID, References [Sat, EP.ERG.RUPTUREIDENTIF.P, 192.615\(a\)\(12\)](#)
Question Text *Does the operator have procedures to evaluate and identify if a potential rupture is an actual rupture event?*
Assets Covered [86255](#)
Result Notes [O&M section 19 Emergency Response Plan.](#)

EP.FII: Failure & Incident Investigation

92. Question Result, ID, References [Sat, EP.FII.INCIDENTANALYSIS.P, 192.617\(a\)](#)
Question Text *Does the operator's processes include steps for analyzing pipeline incidents to determine their causes?*
Assets Covered [86255](#)
Result Notes [O&M section 19.19 Investigation of failures.](#)
93. Question Result, ID, References [Sat, EP.FII.INCIDENTRMVANALYSIS.P, 192.617\(a\) \(192.617\(c\)\)](#)
Question Text *For incidents that involve an RMV, does the operator's procedures require a post-incident analysis of all the factors that may have impacted the release volume and consequences of the release and identify and implement operators and maintenance measures to minimize future incidents?*
Assets Covered [86255](#)
Result Notes [O&M section 19.19 Investigation of failures.](#)
94. Question Result, ID, References [Sat, EP.FII.INCIDENTSUMMARY.P, 192.617\(a\) \(192.617\(d\)\)](#)
Question Text *For incidents that involve an RMV, does the operator's procedures require an incident summary?*
Assets Covered [86255](#)
Result Notes [O&M section 19 Investigation of failures.](#)
95. Question Result, ID, References [Sat, EP.FII.FAILUREANALYSIS.P, 192.617\(a\)](#)
Question Text *Do the operator's processes include steps for analyzing pipeline failures to determine their causes?*
Assets Covered [86255](#)
Result Notes [O&M section 19.19 Investigation of Failures](#)
96. Question Result, ID, References [Sat, EP.FII.FAILURERMVANALYSIS.P, 192.617\(c\)](#)
Question Text *For failures that involve an RMV, do the operator's procedures require a post-failure analysis and the identification and implementation of operations and maintenance measures to minimize future failures?*
Assets Covered [86255](#)
Result Notes [O&M section 19.19 Investigation of Failures](#)
97. Question Result, ID, References [Sat, EP.FII.FAILURESUMMARY.P, 192.617\(d\)](#)
Question Text *For failures that involve an RMV, does the operator's procedures require a failure summary?*
Assets Covered [86255](#)
Result Notes [O&M section 19.19 Investigation of Failures](#)

MO.GC: Conversion to Service

98. Question Result, ID, References [Sat, MO.GC.CONVERSION.P, 192.14\(a\) \(192.14\(b\), 192.14\(c\)\)](#)
Question Text *If any pipelines were converted into Part 192 service, was a process developed addressing all the applicable requirements?*
Assets Covered [86255](#)
Result Notes [O&M section 3.5 Conversion to service.](#)

MO.GOABNORMAL: Gas Pipeline Abnormal Operations

99. Question Result, ID, References **Sat, MO.GOABNORMAL.ABNORMAL.P, 192.605(a) (192.605(c)(1))**
 Question Text *Does the process fully address the responsibilities during and after an abnormal operation?*
 Assets Covered **86255**
 Result Notes **O&M sections 13.1 Abnormal Operations and 13.9 Reviewing Abnormal Operation Response, address the responsibilities during and after an abnormal operation.**
100. Question Result, ID, References **Sat, MO.GOABNORMAL.ABNORMALCHECK.P, 192.605(a) (192.605(c)(2))**
 Question Text *Does the process include requirements for checking variations from normal operation after abnormal operation has ended at sufficient critical locations in the system to determine continued integrity and safe operation?*
 Assets Covered **86255**
 Result Notes **O&M section 13 Abnormal Operations**
101. Question Result, ID, References **Sat, MO.GOABNORMAL.ABNORMALNOTIFY.P, 192.605(a) (192.605(c)(3))**
 Question Text *Does the process include requirements for notifying responsible operator personnel when notice of an abnormal operation is received?*
 Assets Covered **86255**
 Result Notes **O&M section 13 Abnormal Operations**
102. Question Result, ID, References **Sat, MO.GOABNORMAL.ABNORMALREVIEW.P, 192.605(a) (192.605(c)(4))**
 Question Text *Does the process include requirements for periodically reviewing the response of operator personnel to determine the effectiveness of the processes controlling abnormal operation and taking corrective action where deficiencies are found?*
 Assets Covered **86255**
 Result Notes **O&M section 13.9 reviewing abnormal operations**

MO.GOCLASS: Gas Pipeline Class Location

103. Question Result, ID, References **Sat, MO.GOCLASS.CLASSLOCATESTUDY.P, 192.605(b)(1) (192.609(a), 192.609(b), 192.609(c), 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, or indicates that the hoop stress corresponding to the established maximum allowable operating pressure for a segment of existing pipeline is not commensurate with the present class location?*
 Assets Covered **86255**
 Result Notes **O&M section 8.1 Class Location Required Study**
104. Question Result, ID, References **Sat, MO.GOCLASS.CLASSLOCATEREV.P, 192.605(b)(1) (192.609, 192.611(a), 192.611(b), 192.611(c), 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 **86255**
 Result Notes **O&M section 8.2 Change in class location: Confirmation.**

MO.GOMAOP: Gas Pipeline MAOP

105. Question Result, ID, References **Sat, MO.GOMAOP.MAOPDETERMINE.P, 192.605(b)(1) (192.619(a), 192.619(b), 192.619(c), 192.619(f), 192.8(b), 192.8(c)(4), 192.9(d), 192.9(e)(2), 192.9(f)(1))**
 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 **86255**
 Result Notes **O&M section 9.2 Establishing MAOP.**
106. Question Result, ID, References **Sat, MO.GOMAOP.MAOPLIMIT.P, 192.605(a) (192.605(b)(5), 192.8(b), 192.8(c)(4), 192.9(d), 192.9(e)(2), 192.9(f)(1))**

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 86255

Result Notes O&M section 3 Pipeline Systems & Start-up/Shutdown

MO.GM: Gas Pipeline Maintenance

107. 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: FS.FG)

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

Assets Covered 86255

Result Notes O&M section 15.17 Pipeline abandonment/ deactivation

108. Question Result, ID, Sat, MO.GM.RECORDS.P, 192.605(b)(1) (192.709(a), 192.709(b), 192.709(c)) (also presented in:
References MO.GMOPP)

Question Text *Does the process include a requirement that the operator maintain a record 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 86255

Result Notes O&M section 4.2 Record Retention

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

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

Assets Covered 86255

Result Notes O&M section 12 Accidental Ignition Prevention

110. Question Result, ID, Sat, MO.GM.VALVEINSPECT.P, 192.605(b)(1) (192.745(a), 192.745(b))
References

Question Text *Are there processes for inspecting and partially operating each transmission line 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 86255

Result Notes O&M section 11.2 Valve inspections

111. Question Result, ID, Sat, MO.GM.AETREQUIREMENT.P, 192.605(b) (192.745(d))
References

Question Text *Do the procedures specify the requirements necessary to be achieved when operator installs an AET?*

Assets Covered 86255

Result Notes O&M section 11.3 E & F Transmission Line Valve Design Requirements

112. Question Result, ID, Sat, MO.GM.RMVREMEDIAL.P, 192.605(b) (192.179, 192.745(e))
References

Question Text *Do the procedures adequately describe the remedial measures required for RMVs or AETs found inoperable or unable to maintain shut-off?*

Assets Covered 86255

Result Notes O&M section 11.2 inoperable valves

113. Question Result, ID, Sat, MO.GM.ASVSHUTINPRESS.P, 192.605(b) (192.636(f), 192.745(f))
References

Question Text *Do the procedures adequately describe the process for confirming ASV shut-in pressures?*

Assets Covered 86255

Result Notes O&M section 11.9 Response to Rupture/ Capabilities, cover ASV shut-in pressure conformation.

MO.GOODOR: Gas Pipeline Odorization

114. 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 86255

Result Notes O&M section 7.8 Odorization of Gas

MO.GO: Gas Pipeline Operations

115. Question Result, ID, Sat, MO.GO.CONTSURVEILLANCE.P, 192.605(e) (192.613(a), 192.613(b), 192.703(b), 192.703(c)) (also References presented in: MO.GOCLASS)

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 86255

Result Notes O&M section 8.3 class Location Continuing Surveillance.

116. 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 86255

Result Notes O&M section 15.6 Purging Pipelines.

117. 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 86255

Result Notes O&M section 2 Manual Review

118. 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 86255

Result Notes O&M section 1.6 Operating Personnel Review and Form 23

119. 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 86255

Result Notes O&M section 4.2 record retention

120. 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 86255

Result Notes O&M section 19 Emergency Response Plan

121. Question Result, ID, Sat, MO.GO.UPRATE.P, 192.13(c) (192.553(a), 192.553(b), 192.553(c), 192.553(d)) References

Question Text *Is the pressure uprating process consistent with the requirements of 192.553?*

Assets Covered 86255

Result Notes O&M section 9.13 Executing the Uprating Plan

122. Question Result, ID, Sat, MO.GO.CLASSCHNGVALVSPACE.P, 192.605(b) (192.610) References

Question Text *Does the process include the installation of RMVs or AETs whenever pipe replacements occur due to a class location change?*

Assets Covered 86255

Result Notes O&M section 8.4 Change in Class Location

MO.GMOPP: Gas Pipeline Overpressure Protection

123. Question Result, ID, References **Sat, MO.GMOPP.PRESSREGCAP.P, 192.605(b)(1) (192.743(a), 192.743(b), 192.743(c))**
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 **86255**
Result Notes **O&M section 9.8 Pressure Safety Device Capacity Reviews and Form 4**
124. Question Result, ID, References **Sat, MO.GMOPP.PRESSREGTEST.P, 192.605(b)(1) (192.739(a), 192.739(b))**
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 **86255**
Result Notes **O&M section 9.7 Pressure Limiting Device Inspection and Form 4**

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

125. Question Result, ID, References **Sat, MO.RW.PATROL.P, 192.705(a) (192.705(b), 192.705(c))** (also presented in: PD.RW)
Question Text *Does the process adequately cover the requirements for patrolling the ROW and conditions reported?*
Assets Covered **86255**
Result Notes **O&M section 7.1 Pipeline Patrol**
126. Question Result, ID, References **Sat, MO.RW.ROWMARKER.P, 192.707(a) (192.707(b), 192.707(c), 192.707(d))** (also presented in: PD.RW)
Question Text *Does the process adequately cover the requirements for placement of ROW markers?*
Assets Covered **86255**
Result Notes **O&M section 18.2 Pipeline Markers**
127. Question Result, ID, References **Sat, MO.RW.MARKERSURVEY.P,**
Question Text *Are procedures in place to survey pipeline markers at specified intervals?*
Assets Covered **86255**
Result Notes **O&M section 18.2 Pipeline Markers**
128. Question Result, ID, References **Sat, MO.RW.LEAKAGE.P, 192.706 (192.706(a), 192.706(b), 192.935(d))**
Question Text *Does the process require leakage surveys to be conducted?*
Assets Covered **86255**
Result Notes **O&M section 7.3 Leakage Survey**
129. Question Result, ID, References **Sat, MO.RW.CASINGLEAKSURVEY.P,**
Question Text *Does the process require shorted casings be leak surveyed as required?*
Assets Covered **86255**
Result Notes **O&M section 10.16 Electrical Isolation C & D.**
130. Question Result, ID, References **Sat, MO.RW.SPECIALLEAKSURVEY.P,**
Question Text *Is there a process to conduct special leak surveys as required by WAC 480-93-188?*
Assets Covered **86255**
Result Notes **O&M section 7.4 Leak Survey pg 7-5 & 7-6.**
131. Question Result, ID, References **Sat, MO.RW.LEAKGRADE.P,**
Question Text *Do procedures require grading/re-grading leaks and evaluating the concentration and extent of leakage?*
Assets Covered **86255**
Result Notes **O&M section 7.6 Leak Classification.**

132. Question Result, ID, References **Sat, MO.RW.LEAKPERIMETER.P,**
 Question Text *Do procedures require checking the perimeter of a gas leak with a combustible gas indicator?*
 Assets Covered **86255**
 Result Notes **O&M section 7.11 Determining Leak Spread.**
133. Question Result, ID, References **Sat, MO.RW.LEAKFOLLOWUP.P,**
 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 **86255**
 Result Notes **O&M section 7.6 Leak Classification pg 7-9**
134. Question Result, ID, References **Sat, MO.RW.LEAKRECORDS.P, (also presented in: PD.RW)**
 Question Text *Does the operator have procedures to prepare and maintain gas leak records containing all information required by WAC 480-93-178?*
 Assets Covered **86255**
 Result Notes **O&M section 7.10 Gas Leak Records.**
135. Question Result, ID, References **Sat, MO.RW.LEAKCALIBRATE.P,**
 Question Text *Is there a process to maintain and calibrate gas detection instruments in accordance with the manufacturer's recommendations?*
 Assets Covered **86255**
 Result Notes **O&M section 7.4 Leak Survey.**

PD.DP: Damage Prevention

136. 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 **86255**
 Result Notes **O&M section 18 Damage Prevention.**
137. 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 **86255**
 Result Notes **O&M section 18.1 One Call System.**
138. 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 use more stringent and accurate requirements?*
 Assets Covered **86255**
 Result Notes **O&M section 18.4 Temporary Marking of Pipelines.**
139. 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 **86255**
 Result Notes **Public Awareness Manual sections 3 and 5**
140. 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 **86255**
 Result Notes **P/A Manuel Section 9.13 Implementing of Program**

141. Question Result, ID, References **Sat, PD.DP.DPINFOGATHER.P, 192.917(b) (192.935(b)(1)(ii))**
 Question Text *Does the process require critical damage prevention information be gathered and recorded during pipeline patrols, leak surveys, and integrity assessments?*
 Assets Covered **86255**
 Result Notes **O&M sections 1.7 Definitions, 4.2 Record Retention, 7.1 Pipeline Patrol, 8.3 Continuing Surveillance, 10.20 In-Line Inspection of Pipelines**
142. Question Result, ID, References **Sat, PD.DP.NOTICETOEXCAVATOR.P,**
 Question Text *Is there a process to provide the required information to excavators who damage pipeline facilities?*
 Assets Covered **86255**
 Result Notes **O&M section 18.11 Damage Reporting sec 2.**
143. Question Result, ID, References **Sat, PD.DP.COMMISSIONREPORT.P,**
 Question Text *Is there a process to report to the commission when the operator or its contractor observes or becomes aware of the activities described in WAC 480-93-200(9)?*
 Assets Covered **86255**
 Result Notes **O&M section Damage Reporting sec 3 Start Up/ Shutdown.**

PD.PA: Public Awareness

144. Question Result, ID, References **Sat, PD.PA.ASSETS.P, 192.616(b) (API RP 1162 Section 2.7 Step 4)**
 Question Text *Does the program clearly identify the specific pipeline systems and facilities to be included in the program, along with the unique attributes and characteristics of each?*
 Assets Covered **86255**
 Result Notes **Public Awareness Manual section 4.1 Pipeline System Description.**
145. Question Result, ID, References **Sat, PD.PA.AUDIENCEID.P, 192.616(d) (192.616(e), 192.616(f), API RP 1162 Section 2.2, API RP 1162 Section 3)**
 Question Text *Does the program establish methods to identify the individual stakeholders in the four affected stakeholder audience groups: (1) affected public, (2) emergency officials, (3) local public officials, and (4) excavators, as well as affected municipalities, school districts, businesses, and residents?*
 Assets Covered **86255**
 Result Notes **Public Awareness Manual section 5.1 Identify the four stakeholder audiences.**
146. Question Result, ID, References **Sat, PD.PA.MGMTSUPPORT.P, 192.616(a) (API RP 1162 Section 2.5, API RP 1162 Section 7.1)**
 Question Text *Does the operator's program documentation demonstrate management support?*
 Assets Covered **86255**
 Result Notes **Public Awareness Manual section 1.5 Management Commitment & Support.**
147. Question Result, ID, References **Sat, PD.PA.PROGRAM.P, 192.616(a) (192.616(h))**
 Question Text *Has the continuing public education (awareness) program been established as required?*
 Assets Covered **86255**
 Result Notes **Public Awareness Manual section 1.4**
148. Question Result, ID, References **Sat, PD.PA.MESSAGES.P, 192.616(c) (API RP 1162 Section 3, API RP 1162 Section 4, API RP 1162 Section 5)**
 Question Text *Does the program define the combination of messages, delivery methods, and delivery frequencies to comprehensively reach all affected stakeholder audiences in all areas where gas is transported?*
 Assets Covered **86255**
 Result Notes **Public Awareness Manual sections 6, 7, and 8.**
149. Question Result, ID, References **Sat, PD.PA.SUPPLEMENTAL.P, 192.616(c) (API RP 1162 Section 6.2)**
 Question Text *Were relevant factors considered to determine the need for supplemental public awareness program enhancements for each stakeholder audience, as described in API RP 1162?*

Assets Covered 86255

Result Notes Public Awareness Manual section 1.3 Program Elements.

150. Question Result, ID, References Sat, PD.PA.LANGUAGE.P, 192.616(g) (API RP 1162 Section 2.3.1)

Question Text *Does the program require that materials and messages be provided in other languages commonly understood by a significant number and concentration of non-English speaking populations in the operator's areas?*

Assets Covered 86255

Result Notes Public Awareness Manual section 6.2 Language.

151. Question Result, ID, References Sat, PD.PA.EVALPLAN.P, 192.616(i) (192.616(c), API RP 1162 Section 8, API RP 1162 Appendix E)

Question Text *Does the program include a process that specifies how program implementation and effectiveness will be periodically evaluated?*

Assets Covered 86255

Result Notes Public Awareness Manual section 9.7 Monitoring Program Effectiveness.

RPT.NR: Notices and Reporting

152. Question Result, ID, References Sat, RPT.NR.CONTACTUPDATE.P,

Question Text *Is there a process to submit updated name, address, and phone numbers of emergency contacts/responsible officials to the commission and appropriate officials of ALL municipalities in which the company has pipeline facilities?*

Assets Covered 86255

Result Notes O&M sections 19.13 & 19.14 Internal Emergency contact List & Local Emergency Officials.

153. Question Result, ID, References Sat, RPT.NR.CONSTRUCTIONREPORT.P,

Question Text *Is there a process to file a proposed construction report for construction or replacement of any segment of gas transmission pipeline of at least 100 feet in length?*

Assets Covered 86255

Result Notes O&M 4.11 Construction Report.

154. Question Result, ID, References Sat, RPT.NR.PRESSURETESTNOTIFY.P,

Question Text *Is there a process to notify the commission 3 days prior to commencement of any pressure test of a gas pipeline that will have a MAOP that produces a hoop stress of twenty percent or more of the specified minimum yield strength?*

Assets Covered 86255

Result Notes O&M section 17.8 Pressure Test.

155. Question Result, ID, References Sat, RPT.NR.PROXIMITYREQUEST.P,

Question Text *Do the procedures specify detailed steps to comply with the proximity consideration requirement in WAC 480-93-020?*

Assets Covered 86255

Result Notes O&M section 9.9 Proximity Considerations.

RPT.RR: Regulatory Reporting (Traditional)

156. Question Result, ID, References Sat, RPT.RR.CONSTRUCTIONDEFECTS.P,

Question Text *Is there a process to submit timely and complete reports of construction defects and material failures that resulted in leaks?*

Assets Covered 86255

Result Notes O&M section 19.15 Incident Telephonic Reporting pg 19-12.

157. Question Result, ID, References Sat, RPT.RR.IMMEDREPORT.P, 191.5(b) (191.7, 191.1(a), 192.8(c)(3))

Question Text *Is there a process to immediately report incidents to the National Response Center?*

Assets Covered 86255

Result Notes O&M section 19.15 Incident Telephonic Reporting.

158. Question Result, ID, References Sat, RPT.RR.INCIDENTREPORT.P, 191.15(a) (192.624(a)(1), 192.624(a)(2), 191.1(a), 192.8(c)(3))

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 86255

Result Notes O&M section 19.15 Incident Telephonic Reporting pg 19-12

159. Question Result, ID, References Sat, RPT.RR.INCIDENTREPORTSUPP.P, 191.15(d) (192.624(a), 191.1(a), 192.8(c)(3))

Question Text *Does the process require preparation and filing of supplemental incident reports?*

Assets Covered 86255

Result Notes O&M section 19.15 Incident Telephonic Reporting pg 19-12.

160. Question Result, ID, References Sat, RPT.RR.FAILUREANALYSIS.P,

Question Text *Is there a process to submit failure analysis reports within 5 days of completion for incidents or hazardous conditions due to construction defects or material failures?*

Assets Covered 86255

Result Notes O&M section 19.15 Incident Telephonic Reporting pg 19-12.

161. Question Result, ID, References Sat, RPT.RR.SRCR.P, 192.605(a) (191.23(a), 191.23(b), 191.25(a), 191.25(b), 191.25(c), 191.1(a), 192.8(c)(3))

Question Text *Do processes require reporting of safety-related conditions?*

Assets Covered 86255

Result Notes O&M section 14.1 Safety Related Condition

162. Question Result, ID, References Sat, RPT.RR.SRC.P, 192.605(a) (192.605(d), 191.23(a))

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, including MAOP Exceedances?*

Assets Covered 86255

Result Notes Operator Qualification Manual section 8 Covered Tasks AOC's

163. Question Result, ID, References Sat, RPT.RR.ABANDONWATERFACILITY.P, 192.605(b)(1) (192.727(g))

Question Text *Does the process require reports to be filed for each abandoned offshore pipeline facility or each abandoned onshore pipeline facility that crosses over, under or through a commercially navigable waterway?*

Assets Covered 86255

Result Notes O&M section 15.18 Abandonment Reports.

164. Question Result, ID, References Sat, RPT.RR.UTCANNUALREPORTS.P, 191.17(a) (191.1(a), 192.8(c)(3), 192.8(c)(4), 192.8)

Question Text *Do procedures require the operator to submit complete and accurate annuals reports and NPMS submissions to the commission by March 15th for the preceding calendar year?*

Assets Covered 86255

Result Notes O&M sections 4.4 Pipeline Annual Report and 4.11 Construction Report WAC.

165. Question Result, ID, References Sat, RPT.RR.PIPELINEMAPPING.P,

Question Text *Do procedures require the operator to provide 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 86255

Result Notes O&M sections 4.11 & 18.7 NPMS Submittals and Liaison with Public Officials.

166. Question Result, ID, References Sat, RPT.RR.OPID.P, 191.22(a) (191.22(c), 191.22(d), 191.1(a), 192.8(c)(3))

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 86255

Result Notes O&M sections 4.9 Operator ID and 4.10 National Registry of Pipeline.

167. Question Result, ID, References Sat, RPT.RR.DIRTREPORTS.P,

Question Text *Is there a process to submit reports of damage to the commission using the Damage Information Reporting Tool (DIRT) within 45 days?*

Assets Covered 86255

Result Notes O&M section 18.11 Damage Reporting.

TD.ATM: Atmospheric Corrosion

168. Question Result, ID, References Sat, TD.ATM.ATMCORRODE.P, 192.605(b)(2) (192.479(a), 192.479(b), 192.479(c), 192.9(f)(1), 192.453)

Question Text *Does the process give adequate guidance identifying atmospheric corrosion and for protecting above ground pipe from atmospheric corrosion?*

Assets Covered 86255

Result Notes O&M sections 10.11 Atmospheric Corrosion and 10.12 Atmospheric Corrosion Inspection.

169. Question Result, ID, References Sat, TD.ATM.ATMCORRODEINS.P, 192.605(b)(2) (192.481(a), 192.481(b), 192.481(c), 192.481(d), 192.9(f)(1), 192.453)

Question Text *Does the process give adequate instruction for the inspection of aboveground pipeline segments for atmospheric corrosion?*

Assets Covered 86255

Result Notes O&M section 10.12 Atmospheric Corrosion Inspection.

TD.CPMONITOR: External Corrosion - CP Monitoring

170. Question Result, ID, References Sat, TD.CPMONITOR.MONITORCRITERIA.P, 192.605(b)(2) (192.463(a), 192.463(c), 192.9(f)(1), 192.452(b), 192.452(c), 192.453)

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

Assets Covered 86255

Result Notes O&M section 10.6 Cathodic Protection Survey.

171. Question Result, ID, References Sat, TD.CPMONITOR.TEST.P, 192.605(b)(2) (192.465(a), 192.9(f)(1), 192.452, 192.453)

Question Text *Does the process adequately describe how to monitor CP that has been applied to pipelines?*

Assets Covered 86255

Result Notes O&M section 10.6 Cathodic Protection Survey.

172. Question Result, ID, References Sat, TD.CPMONITOR.CURRENTTEST.P, 192.605(b)(2) (192.465(b), 192.9(f)(1), 192.452, 192.453)

Question Text *Does the process give sufficient details for making electrical checks of rectifiers or impressed current sources?*

Assets Covered 86255

Result Notes O&M section 10.7 Rectifier Inspection.

173. Question Result, ID, References Sat, TD.CPMONITOR.REVCURRENTTEST.P, 192.605(b)(2) (192.465(c), 192.9(f)(1), 192.452, 192.453)

Question Text *Does the process give sufficient details for making electrical checks of interference bonds, diodes, and reverse current switches?*

Assets Covered 86255

Result Notes O&M section 10.7 Rectifier Inspection.

174. Question Result, ID, References Sat, TD.CPMONITOR.DEFICIENCY.P, 192.605(b)(2) (192.465(d), 192.9(f)(1), 192.452, 192.453)

Question Text *Does the process require that the operator promptly correct any identified deficiencies in corrosion control?*

Assets Covered 86255
Result Notes O&M section 10.14 Remedial Measures Corrosion.

175. Question Result, ID, References Sat, TD.CP.MONITOR.TESTSTATION.P, 192.469 (192.9(f)(1), 192.452, 192.453)
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 86255
Result Notes O&M section 10.8 Test Leads.
176. Question Result, ID, References Sat, TD.CP.MONITOR.TESTLEAD.P, 192.605(b)(2) (192.471(a), 192.471(b), 192.471(c), 192.9(f)(1), 192.452, 192.453)
Question Text *Does the process provide adequate instructions for the installation of test leads?*
Assets Covered 86255
Result Notes O&M section 10.9 Installing a Test Lead.
177. Question Result, ID, References Sat, TD.CP.MONITOR.INTFRCURRENT.P, 192.605(b)(2) (192.473(a), 192.9(d), 192.9(e), 192.9(f)(1), 192.452, 192.453)
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 86255
Result Notes O&M section 10.17 Interference Currents.

TD.CP: External Corrosion - Cathodic Protection

178. Question Result, ID, References Sat, TD.CP.POST1971.P, 192.605(b)(2) (192.455(a), 192.452(a), 192.452(b), 192.455(f), 192.455(g), 192.9(f)(1), 192.452, 192.453)
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 86255
Result Notes O&M section 10.5 External Corrosion.
179. Question Result, ID, References Sat, TD.CP.PRE1971.P, 192.605(b)(2) (192.457(b), 192.9(f)(1), 192.452, 192.453)
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 must be cathodically protected in areas where active corrosion is found?*
Assets Covered 86255
Result Notes O&M section 10.5 External Corrosion.
180. Question Result, ID, References Sat, TD.CP.UNPROTECT.P, 192.605(b)(2) (192.465(e), 192.9(f)(1), 192.452, 192.453)
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 86255
Result Notes O&M section 10.5 External Corrosion.
181. Question Result, ID, References Sat, TD.CP.ELECISOLATE.P, 192.605(b)(2) (192.467(a), 192.467(b), 192.467(c), 192.467(d), 192.467(e), 192.9(f)(1), 192.452, 192.453)
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 86255
Result Notes O&M section 10.16 Electrical Isolation.
182. Question Result, ID, References Sat, TD.CP.ELECISOLATETEST.P, 192.605(b)(2) (192.467(d), 192.9(f)(1), 192.452, 192.453)
Question Text *Does the process provide adequate guidance to inspect and electrically test to ensure that electrical isolation is adequate?*

Assets Covered 86255
Result Notes O&M section 10.16 Electrical Isolation

183. Question Result, ID, References Sat, 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 86255
Result Notes O&M section 16 Welding and Construction.

184. Question Result, ID, References Sat, TD.CP.FAULTCURRENT.P, 192.605(b)(2) (192.467(f), 192.9(f)(1), 192.452, 192.453)
Question Text *Does the process provide sufficient guidance for determining when protection against damage from fault currents or lightning is needed and how that protection must be installed?*

Assets Covered 86255
Result Notes O&M section 10.17 Interference Currents.

185. Question Result, ID, References Sat, TD.CP.RECORDS.P, 192.605(b)(2) (192.491(a), 192.491(b), 192.491(c), 192.9(f)(1), 192.452, 192.453) (also presented in: TD.CPMONITOR, TD.CPEXPOSED)

Question Text *Does the process include records requirements for the corrosion control activities listed in §192.491?*
Assets Covered 86255
Result Notes O&M section 4.5 Corrosion Control Records.

TD.COAT: External Corrosion - Coatings

186. Question Result, ID, References Sat, TD.COAT.NEWPIPE.P, 192.605(b)(2) (192.455(a)(1), 192.461(a), 192.461(b), 192.483(a), 192.9(f)(1), 192.452, 192.453)
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 86255
Result Notes O&M section 10.5 External Corrosion.

187. Question Result, ID, References Sat, TD.COAT.NEWPIPEINSTALL.P, 192.605(b)(2) (192.461(c), 192.461(d), 192.461(e), 192.483(a), 192.9(f)(1), 192.452, 192.453)

Question Text *Does the process give adequate guidance for the application and inspection of protective coatings on pipe?*
Assets Covered 86255
Result Notes O&M section 10.5 Examination of Buried Pipe.

TD.CPEXPOSED: External Corrosion - Exposed Pipe

188. Question Result, ID, References Sat, TD.CPEXPOSED.EXPOSEINSPECT.P, 192.605(b)(2) (192.459, 192.9(f)(1), 192.452, 192.453)
Question Text *Does the process require that exposed portions of buried pipeline be examined for external corrosion and coating deterioration, and if external corrosion is found, further examination is required to determine the extent of the corrosion?*

Assets Covered 86255
Result Notes O&M section 10.5 Examination of Buried Pipe.

189. Question Result, ID, References Sat, TD.CPEXPOSED.EXTCORRODEEVAL.P, 192.605(b)(2) (192.485(a), 192.485(b), 192.485(c), 192.9(f)(1), 192.452, 192.453)

Question Text *Does the process provide sufficient direction for personnel to evaluate the remaining strength of externally corroded pipe?*
Assets Covered 86255
Result Notes O&M section 10.15 Determining Remaining Strength of Pipe.

190. Question Result, ID, References Sat, TD.CPEXPOSED.EXTCORRODREPAIR.P, 192.605(b)(2) (192.485(a), 192.485(b), 192.485(c), 192.9(f)(1), 192.452, 192.453)

Question Text *Does the process give sufficient guidance for personnel to repair or replace pipe that is externally corroded to an extent that there is not sufficient remaining strength in the pipe wall?*

Assets Covered 86255

Result Notes O&M section 10.15 Examination of Buried Pipe.

TD.ICCG: Internal Corrosion - Corrosive Gas

191. Question Result, ID, References Sat, TD.ICCG.CORRGAS.P, 192.605(b)(2) (192.475(a), 192.9(f)(1), 192.452, 192.453)

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 86255

Result Notes O&M section 10.3 Internal Corrosion.

192. Question Result, ID, References Sat, TD.ICCG.CORRGASACTION.P, 192.605(b)(2) (192.477, 192.9(f)(1), 192.452, 192.453)

Question Text *Does the process give adequate direction for actions to be taken if corrosive gas is being transported by pipeline?*

Assets Covered 86255

Result Notes O&M section 10.3 Internal Corrosion.

TD.ICP: Internal Corrosion - Preventive Measures

193. Question Result, ID, References Sat, TD.ICP.EXAMINE.P, 192.605(b)(2) (192.475(a), 192.475(b), 192.9(f)(1), 192.452, 192.453)

Question Text *Does the process direct personnel to examine removed pipe for evidence of internal corrosion?*

Assets Covered 86255

Result Notes O&M section 10.4 Internal Inspection of Pipe.

194. Question Result, ID, References Sat, TD.ICP.EVALUATE.P, 192.605(b)(2) (192.9(f)(1), 192.452, 192.453, 192.485(a), 192.485(c))

Question Text *Does the process give sufficient guidance for personnel to evaluate the remaining strength of pipe that has been internally corroded?*

Assets Covered 86255

Result Notes O&M section 10.15 Determining Remaining Strength of Pipe.

195. Question Result, ID, References Sat, TD.ICP.REPAIRINT.P, 192.491(c) (192.485(a), 192.485(b), 192.9(f)(1), 192.452, 192.453)

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

Assets Covered 86255

Result Notes O&M section 10.15 Determining Remaining Strength of Pipe.

TD.SP: Special Permits

196. Question Result, ID, References NA, TD.SP.CONDITIONS.P, 190.341(d)(2)

Question Text *Has a process been developed as necessary for complying with the special permit conditions?*

Assets Covered 86255

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

TQ.OQ: Operator Qualification

197. Question Result, ID, References Sat, TQ.OQ.OQPLAN.P, 192.805(a) (192.801(b))

Question Text *Is there an OQ plan that includes covered tasks, and the basis used for identifying covered tasks?*

Assets Covered 86255

Result Notes Operator Qualification Manual section 8 Covered Tasks.

198. Question Result, ID, References Sat, TQ.OQ.EVALMETHOD.P, 192.805(b) (192.803, 192.809(d), 192.809(e))

Question Text *Are evaluation methods established and documented appropriate to each covered task?*

Assets Covered 86255

Result Notes Operator Qualification Manual section 10 Evaluation Methods.

TQ.QU: Qualification of Personnel - Specific Requirements

199. Question Result, ID, References Sat, TQ.QU.CORROSION.P, 192.453 (192.805(b))

Question Text *Does the process require corrosion control processes to be carried out by, or under the direction of, qualified personnel?*

Assets Covered 86255

Result Notes Operator Qualification Manual sections 7 & 8 Affected Personnel & Covered Tasks.

200. 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 86255

Result Notes Operator Qualification Manual sections 7 and 8 Affected Personnel and Covered Tasks.

201. Question Result, ID, References Sat, TQ.QU.EXCAVATE.P, 192.805(b) (ADB-2006-01, 192.801, 192.328)

Question Text *Does the process require individuals who oversee and perform marking, trenching, and backfilling operations be qualified?*

Assets Covered 86255

Result Notes OQ Section 8.1 O&M section 18

8.1 Marking #19, Backfilling #35, trenching 65/54 Installation of Pipe in a ditch

15.1 Contractors-required to provide OQ's which GP has to OK.

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

202. Question Result, ID, References Sat, TQ.QUOMCONST.WELDER.P, 192.227(a) (192.225(a), 192.225(b), 192.328(a), 192.328(b), 192.805(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 86255

Result Notes O&M section 16.4 Welder Qualifications

203. 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 86255

Result Notes O&M sections 16.4 & 16.5 Welder Qualifications and Limitations.

TQ.TR: Training of Personnel

204. Question Result, ID, References Sat, TQ.TR.TRAINING.P, 192.615(b)(2) (192.805(b))

Question Text *Does the process require a continuing training program to be in place to effectively instruct emergency response personnel?*

Assets Covered 86255

Result Notes O&M section 19.1 pg 19-2 Training.

205. Question Result, ID, References Sat, TQ.TR.TRAININGREVIEW.P, 192.615(b)(3)

Question Text *Does the process require review of emergency response personnel performance?*
Assets Covered 86255
Result Notes O&M section 19.20 Post-Incident Effectiveness Review.

DC.CO: Construction

206. Question Result, ID, References Sat, DC.DPC.CCROTLOW.P, 192.143(b) (192.461(c)) (also presented in: DC.DPC)
Question Text *Do written specifications stipulate that each external protective coating must be inspected just prior to lowering the pipe into the ditch and backfilling, and any damage detrimental to effective corrosion control must be repaired?*
Assets Covered 86255
Result Notes the inspection of protective coating prior to lowering the pipe into the ditch and backfilling in covered by O&M section 15.

DC.SPT: Spike Hydrotest

207. Question Result, ID, References Sat, DC.PT.PRESSTESTENVIRON.P, 192.515(b) (192.629(a), 192.629(b)) (also presented in: DC.PT, DC.PTLOWPRESS)
Question Text *Does the process require that, as applicable to the project, while conducting tests under Subpart J – Test Requirements, the test medium will be disposed of in a manner that will minimize damage to the environment?*
Assets Covered 86255
Result Notes O&M section 17.2 Personnel/ Environmental Protection, covers the disposal of test medium.

208. Question Result, ID, References Sat, DC.PT.PRESSTESTSAFETY.P, 192.515(a) (192.629(a), 192.629(b)) (also presented in: DC.PT, DC.PTLOWPRESS)
Question Text *Does the process require that, as applicable to the project, while conducting tests under Subpart J – Test Requirements, every reasonable precaution is taken to protect its employees and the general public throughout the testing?*
Assets Covered 86255
Result Notes O&M section 17.2 Personnel/ Environmental Protection, covers the protection of personnel during testing.

209. Question Result, ID, References Sat, DC.PT.PRESSTESTRECORD.P, 192.517(a) (192.517(b)) (also presented in: DC.PT, DC.PTLOWPRESS)
Question Text *Does the process require that, as applicable to the project, creation and retention of a record of each Subpart J test for the required duration?*
Assets Covered 86255
Result Notes O&M section 4.7 covers the creation and retention of a record of each test.

DC.PTLOWPRESS: Pressure Testing - Low Pressure

210. Question Result, ID, References Sat, DC.PT.PRESSTEST.P, 192.605(b) (192.303, 192.503(a), 192.503(b), 192.503(c), 192.503(d), 192.503(e)) (also presented in: DC.PT)
Question Text *Does the process require pressure testing to be conducted for new segments of pipeline, or return to service segments of pipeline that are being relocated or replaced?*
Assets Covered 86255
Result Notes O&M section 17.1 covers testing of new, returned to service segments of pipeline that are being relocated or replaced.

211. Question Result, ID, References Sat, DC.PT.PRESSTESTENVIRON.P, 192.515(b) (192.629(a), 192.629(b)) (also presented in: DC.PT, DC.SPT)
Question Text *Does the process require that, as applicable to the project, while conducting tests under Subpart J – Test Requirements, the test medium will be disposed of in a manner that will minimize damage to the environment?*
Assets Covered 86255
Result Notes O&M section 17.2 Personnel/ Environmental Protection, covers the disposal of test medium.

212. Question Result, ID, References Sat, DC.PT.PRESSTESTSAFETY.P, 192.515(a) (192.629(a), 192.629(b)) (also presented in: DC.PT, DC.SPT)

Question Text *Does the process require that, as applicable to the project, while conducting tests under Subpart J – Test Requirements, every reasonable precaution is taken to protect its employees and the general public throughout the testing?*

Assets Covered 86255

Result Notes O&M section 17.2 Personnel/ Environmental Protection, covers the protection of personnel during testing.

213. Question Result, ID, References Sat, DC.PT.PRESSTESTRECORD.P, 192.517(a) (192.517(b)) (also presented in: DC.PT, DC.SPT)

Question Text *Does the process require that, as applicable to the project, creation and retention of a record of each Subpart J test for the required duration?*

Assets Covered 86255

Result Notes O&M section 4.7 covers the creation and retention of a record of each test.

DC.PLASTIC: Plastic Pipe Construction

214. Question Result, ID, References Sat, DC.MA.MARKING.P, 192.63 (also presented in: DC.MA)

Question Text *Does the operator have specifications requiring pipe, valves, and fittings to be marked according to the requirements of §192.63?*

Assets Covered 86255

Result Notes Requirements for pipe, valves, and fittings to be marked according to 192.63 are covered by O&M section 3.6 Marking of Materials

215. Question Result, ID, References NA, DC.CO.NONWELDJOINT.P, 192.303 (192.273(a), 192.273(b), 192.273(c)) (also presented in: DC.CO)

Question Text *Does the process require that pipeline joints (to be made other than by welding) be designed and installed in accordance with 192.273?*

Assets Covered 86255

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

216. Question Result, ID, References Sat, DC.CO.CLEARANCE.P, 192.303 (192.325(a), 192.325(b), 192.325(c), 192.325(d)) (also presented in: DC.CO)

Question Text *Does the process require pipe to be installed with clearances specified in 192.325 and (if plastic) installed as to prevent heat damage to the pipe?*

Assets Covered 86255

Result Notes Underground clearances for steel and plastic are covered by O&M section 15.15 Underground Clearances Requirements.

FS.FG: Facilities General

217. 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: MO.GM)

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

Assets Covered 86255

Result Notes O&M section 15.17 Pipeline abandonment/ deactivation

MO.GOCLASS: Gas Pipeline Class Location

218. Question Result, ID, References Sat, MO.GO.CONTSURVEILLANCE.P, 192.605(e) (192.613(a), 192.613(b), 192.703(b), 192.703(c)) (also presented in: MO.GO)

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 86255

Result Notes O&M section 8.3 class Location Continuing Surveillance.

MO.GMOPP: Gas Pipeline Overpressure Protection

219. Question Result, ID, [Sat, MO.GM.RECORDS.P, 192.605\(b\)\(1\) \(192.709\(a\), 192.709\(b\), 192.709\(c\)\)](#) (also presented in: [References MO.GM](#))
Question Text *Does the process include a requirement that the operator maintain a record 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 [86255](#)
Result Notes [O&M section 4.2 Record Retention](#)

PD.RW: ROW Markers, Patrols, Monitoring

220. Question Result, ID, [Sat, MO.RW.PATROL.P, 192.705\(a\) \(192.705\(b\), 192.705\(c\)\)](#) (also presented in: [MO.RW](#))
References [MO.RW](#)
Question Text *Does the process adequately cover the requirements for patrolling the ROW and conditions reported?*
Assets Covered [86255](#)
Result Notes [O&M section 7.1 Pipeline Patrol](#)
221. Question Result, ID, [Sat, MO.RW.ROWMARKER.P, 192.707\(a\) \(192.707\(b\), 192.707\(c\), 192.707\(d\)\)](#) (also presented in: [References MO.RW](#))
Question Text *Does the process adequately cover the requirements for placement of ROW markers?*
Assets Covered [86255](#)
Result Notes [O&M section 18.2 Pipeline Markers](#)
222. Question Result, ID, [Sat, MO.RW.LEAKRECORDS.P,](#) (also presented in: [MO.RW](#))
References [MO.RW](#)
Question Text *Does the operator have procedures to prepare and maintain gas leak records containing all information required by WAC 480-93-178?*
Assets Covered [86255](#)
Result Notes [O&M section 7.10 Gas Leak Records.](#)

TD.CPMONITOR: External Corrosion - CP Monitoring

223. Question Result, ID, [Sat, TD.CP.RECORDS.P, 192.605\(b\)\(2\) \(192.491\(a\), 192.491\(b\), 192.491\(c\), 192.9\(f\)\(1\), 192.452, 192.453\)](#) (also presented in: [TD.CP, TD.CPEXPOSED](#))
References [192.453](#)
Question Text *Does the process include records requirements for the corrosion control activities listed in §192.491?*
Assets Covered [86255](#)
Result Notes [O&M section 4.5 Corrosion Control Records.](#)

TD.CPEXPOSED: External Corrosion - Exposed Pipe

224. Question Result, ID, [Sat, TD.CP.RECORDS.P, 192.605\(b\)\(2\) \(192.491\(a\), 192.491\(b\), 192.491\(c\), 192.9\(f\)\(1\), 192.452, 192.453\)](#) (also presented in: [TD.CP, TD.CPMONITOR](#))
References [192.453](#)
Question Text *Does the process include records requirements for the corrosion control activities listed in §192.491?*
Assets Covered [86255](#)
Result Notes [O&M section 4.5 Corrosion Control Records.](#)

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.