

Inspection Output (IOR)

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Inspection Information

Inspection Name	8247 Airgas Standard Comprehensive	Operator(s)	AIRGAS MERCHANT GAS KALAMA (39624)	Plan Submitted	07/13/2021
Status	PLANNED	Lead	Scott Anderson	Plan Approval	07/13/2021 by Sean Mayo
Start Year	2021	Team Members	Scott Rukke, David Cullom, Dennis Ritter, Lex Vinsel, Anthony Dorrough, Derek Norwood, Darren Tinnerstet	All Activity Start	07/12/2021
System Type	GT	Observer(s)	Deborah Becker, Rell Koizumi	All Activity End	07/26/2021
Protocol Set ID	GT.2021.01	Supervisor	Joe Subsits	Inspection Submitted	--
		Director	Sean Mayo	Inspection Approval	--

Inspection Summary

Inspection Scope and Summary

This was an inspection of Airgas Merchant Gas Kalama (Airgas). A review of records and field assets was performed. Airgas has a 2.16 mile 2" steel Hydrogen pipeline used to transport gas to two customers in port of Kalama, WA

Facilities visited and Total AFOD

3 AFOD

Summary of Significant Findings

(DO NOT Discuss Enforcement options)

No significant findings as a result of this inspection

Primary Operator contacts and/or participants

Scott Moon, Plant Manager, Airgas

Scope (Assets)

#	Short Label	Long Label	Asset Type	Asset IDs	Excluded Topics	Planned	Required	Inspected	Total	Required % Complete
1.	Airgas Records & Field	AIRGAS Merchant Gas Kalama	unit	88917	Compressor Stations Storage Fields Bottle/Pipe - Holders Service Line Offshore GOM OCS Cast or Ductile Iron Copper Pipe Aluminum/Amphoteric AMAOP CDA	108	108	108	108	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. Airgas Records & Field	Field Observations Review, Small System Key Risks, Core, Baseline Records (Form 1), Baseline Pipeline Field Inspection (Form 1)	AR, CR, DC, EP, FS, IM, MO, PD, RPT, SRN, TD, TQ, UNGS, GENERIC	R, O	Detail	

Plan Implementations

Activity # Name	SMAR T Act#	Start Date End Date	Focus Directive s	Involved Groups/Subgroup s	Asset s	Qst Type(s)	Planned	Required	Total Inspected	Required % Complete
1. Airgas Records	--	07/12/2021 07/13/2021	n/a	all planned questions	all assets	R	79	79	79	100.0%
2. Airgas Field	--	07/26/2021 07/26/2021	n/a	all planned questions	all assets	O	29	29	29	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

This inspection has no Form data entry.

Results (all values, 237 results)

252 (instead of 237) results are listed due to re-presentation of questions in more than one sub-group.

AR.IL: In-Line Inspection (Smart Pigs)

1. Question Result, ID, References NA, AR.IL.ILIVALIDATE.R, 192.947(g) (192.921(a)(1))

Question Text Do records demonstrate that the operator has validated ILI assessment results per their process?

Assets Covered Airgas Records & Field

Result Notes No such activity/condition was observed during the inspection. Airgas does not have any HCAs, therefore they have no IM plan.

AR.PTI: Integrity Assessment Via Pressure Test

2. Question Result, ID, References NA, AR.PTI.PRESSTESTRESULT.R, 192.517(a) (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), 192.517(b), 192.617, 192.619(a), 192.919(e), 192.921(a)(2))

Question Text Do the test records validate the pressure test?

Assets Covered Airgas Records & Field

Result Notes No such activity/condition was observed during the inspection. Airgas does not have any HCAs, therefore they have no IM plan.

AR.RC: Repair Criteria (HCA)

3. Question Result, ID, References NA, AR.RC.SCHEDULEIMPL.R, 192.947(f) (192.933(d))

Question Text *Do records demonstrate that defects in covered segments were remediated (i.e., repair, pressure reduction, or notification to PHMSA) within the applicable mandatory time limits of 192.933(d)?*

Assets Covered **Airgas Records & Field**

Result Notes **No such activity/condition was observed during the inspection. Airgas does not have any HCAs, therefore they have no IM plan.**

AR.RMP: Repair Methods and Practices

4. Question Result, ID, References **Sat, AR.RMP.IGNITION.O, 192.751(a) (192.751(b), 192.751(c))**

Question Text *Perform observations of selected locations to verify that adequate steps have been taken by the operator to minimize the potential for accidental ignition.*

Assets Covered **Airgas Records & Field**

5. Question Result, ID, References **NA, AR.RMP.METHOD.R, 192.709(a) (192.713(a), 192.713(b), 192.717(a), 192.717(b), ASME B31.8S-2004 Section 7)**

Question Text *From the review of records, were all repairs performed in accordance with processes, applicable sections of 49 CFR Parts 192 and the guidance of ASME B31.8S-2004, Section 7, and the Pipeline Repair Manual, Revision 5?*

Assets Covered **Airgas Records & Field**

Result Notes **No such activity/condition was observed during the inspection. Airgas does not have any HCAs, therefore they have no IM plan.**

6. Question Result, ID, References **NA, AR.RMP.REPAIRQUAL.R, 192.807(b) (192.805(h))**

Question Text *From the review of selected records, were personnel performing repairs, other than welding, and post repair tests qualified for the task they performed?*

Assets Covered **Airgas Records & Field**

Result Notes **No such activity/condition was observed during the inspection. Airgas does not have any HCAs, therefore they have no IM plan.**

7. Question Result, ID, References **NA, AR.RMP.REPLACESTD.R, 192.713(a) (Part 192 Subpart D)**

Question Text *From the review of records, were any components that were replaced constructed to the same or higher standards as the original component?*

Assets Covered **Airgas Records & Field**

Result Notes **No such activity/condition was observed during the inspection. Airgas does not have any HCAs, therefore they have no IM plan.**

8. Question Result, ID, References **NA, AR.RMP.FIELDREPAIRLEAK.R, 192.717(a) (192.717(b))**

Question Text *From the review of records, did the operator properly repair leaks on transmission lines?*

Assets Covered **Airgas Records & Field**

Result Notes **No such activity/condition was observed during the inspection. Airgas does not have any HCAs, therefore they have no IM plan.**

9. Question Result, ID, References **NA, AR.RMP.WELDTTEST.O, 192.719(a) (192.719(b))**

Question Text *Does the operator properly test replacement pipe and repairs made by welding on transmission lines?*

Assets Covered **Airgas Records & Field**

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

CR.CRMGEN: CRM General

10. Question Result, ID, References **NA, CR.CRMGEN.CRMIMPLEMENT.R, 192.631(a)(2)**

Question Text *Were procedures approved, in place, and implemented on or before the regulatory deadline?*

Assets Covered **Airgas Records & Field**

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

CR.CRMRR: CRM Roles and Responsibilities

11. Question Result, ID, References **NA, CR.CRMRR.PRESSLIMITS.O, 192.631(b)(2) (192.619(a), 192.631(e)(1))**
Question Text *Are controllers aware of the current MAOPs of all pipeline segments for which they are responsible, and have they been assigned the responsibility to maintain those pipelines at or below the MAOP?*
Assets Covered **Airgas Records & Field**
Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**
12. Question Result, ID, References **NA, CR.CRMRR.HANDOVERDOC.R, 192.631(b)(4) (192.631(c)(5))**
Question Text *Are there records that document the hand-over of responsibility, document the time the actual hand-over of responsibility occurs, and the key information and topics that were communicated during the hand-over?*
Assets Covered **Airgas Records & Field**
Result Notes **No such relevant facilities/equipment existed in the scope of inspection review. No CRM**
13. Question Result, ID, References **NA, CR.CRMRR.OTHERAUTHORITYDISALLOW.R, 192.631(b)(5)**
Question Text *Do records indicate that the policy disallowing others to have authority to direct or supersede the specific technical actions of a controller has been communicated to controllers and others?*
Assets Covered **Airgas Records & Field**
Result Notes **No such relevant facilities/equipment existed in the scope of inspection review. No CRM**
14. Question Result, ID, References **NA, CR.CRMRR.OTHERAUTHORITYQUAL.R, 192.631(b)(5)**
Question Text *Do records indicate that others given authority to direct or supersede the specific technical actions of a controller were qualified?*
Assets Covered **Airgas Records & Field**
Result Notes **No such relevant facilities/equipment existed in the scope of inspection review. No CRM**
15. Question Result, ID, References **NA, CR.CRMRR.OTHERAUTHORITYLIST.R, 192.631(b)(5)**
Question Text *Is a list of individuals with authority to direct or supersede the technical actions of a controller readily available to controllers?*
Assets Covered **Airgas Records & Field**
Result Notes **No such relevant facilities/equipment existed in the scope of inspection review. No CRM**
16. Question Result, ID, References **NA, CR.CRMRR.OTHERAUTHORITYIMPLEMENT.R, 192.631(b)(5)**
Question Text *Do records adequately document occurrences of when others authorized to direct or supersede the technical actions of a controller have done so?*
Assets Covered **Airgas Records & Field**
Result Notes **No such relevant facilities/equipment existed in the scope of inspection review. No CRM**

CR.SCADA: Supervisory Control and Data Acquisition

17. Question Result, ID, References **NA, CR.SCADA.DISPLAYDYNAMICS.R, 192.631(c)(1)**
Question Text *Has section 9 of API RP 1165 regarding display object dynamics been implemented?*
Assets Covered **Airgas Records & Field**
Result Notes **No such relevant facilities/equipment existed in the scope of inspection review. No CRM**
18. Question Result, ID, References **NA, CR.SCADA.ADMINISTRATION.R, 192.631(c)(1)**
Question Text *Have applicable paragraphs of section 11 of API RP 1165 administration been implemented?*
Assets Covered **Airgas Records & Field**
Result Notes **No such relevant facilities/equipment existed in the scope of inspection review. No CRM**
19. Question Result, ID, References **NA, CR.SCADA.1165IMPRACTICAL.R, 192.631(c)(1)**

Question Text *If any/all applicable paragraph(s) of API RP 1165 have not been implemented, has it been demonstrated and documented that the unimplemented provisions are impractical for the SCADA system used?*

Assets Covered **Airgas Records & Field**

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

20. Question Result, ID, NA, CR.SCADA.SETPOINT.R, 192.631(c)(2)
References

Question Text *Do records indicate safety-related points have been adequately implemented?*

Assets Covered **Airgas Records & Field**

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

21. Question Result, ID, NA, CR.SCADA.POINTVERIFY.R, 192.631(c)(2)
References

Question Text *Have required point-to-point verifications been performed?*

Assets Covered **Airgas Records & Field**

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

22. Question Result, ID, NA, CR.SCADA.POINTVERIFYEXTENT.R, 192.631(c)(2)
References

Question Text *Do records demonstrate adequate thoroughness of the point-to-point verification?*

Assets Covered **Airgas Records & Field**

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

23. Question Result, ID, NA, CR.SCADA.POINTVERFIYINTVL.R, 192.631(c)(2)
References

Question Text *Do records indicate the point-to-point verification has been completed at the required intervals?*

Assets Covered **Airgas Records & Field**

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

24. Question Result, ID, NA, CR.SCADA.COMMPLAN.R, 192.631(c)(3)
References

Question Text *Has the internal communication plan been tested and verified for manual operation of the pipeline safely at least once each calendar year but at intervals not exceeding 15 months?*

Assets Covered **Airgas Records & Field**

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

25. Question Result, ID, NA, CR.SCADA.BACKUPSCADATEST.R, 192.631(c)(4)
References

Question Text *Is the backup SCADA system tested at least once each calendar year at intervals not to exceed 15 months?*

Assets Covered **Airgas Records & Field**

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

26. Question Result, ID, NA, CR.SCADA.BACKUPSCADAVERIFY.R, 192.631(c)(4)
References

Question Text *Does the testing verify that there are adequate processes in place for decision-making and internal communications to successfully implement a transition from primary SCADA to backup SCADA, and back to primary SCADA?*

Assets Covered **Airgas Records & Field**

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

27. Question Result, ID, NA, CR.SCADA.BACKUPSCADADEQUACY.R, 192.631(c)(4)
References

Question Text *If the back-up SCADA system is not designed to handle all the functionality of the main SCADA system, does the testing determine whether there are adequate procedures in place to account for displaced and/or different available functions during back-up operations?*

Assets Covered **Airgas Records & Field**

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

28. Question Result, ID, NA, CR.SCADA.BACKUPSCADAFUNCTIONS.R, 192.631(c)(4)
References

Question Text *Is a representative sampling of critical functions in the back-up SCADA system being tested to ensure proper operation in the event the backup system is needed?*

Assets Covered **Airgas Records & Field**

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

29. Question Result, ID, References **NA, CR.SCADA.PRESSRELIEFTEST.R, 192.739(a) (192.631(b))**

Question Text *Do records indicate adequate inspection and testing for each pressure relieving device in a pressure limiting station?*

Assets Covered **Airgas Records & Field**

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

30. Question Result, ID, References **NA, CR.SCADA.VALVETEST.R, 192.709(c) (192.745(a))**

Question Text *If SCADA is used to operate valves, do records indicate the SCADA system was adequately involved in the testing to ensure valve operation?*

Assets Covered **Airgas Records & Field**

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

CR.CRMFM: Fatigue Management

31. Question Result, ID, References **NA, CR.CRMFM.SHIFTLENGTH.R, 192.631(d)(1)**

Question Text *Is the scheduled shift length less than or equal to 12 hours (not including shift hand-over) or is there a documented technical basis to show that shift lengths and schedule rotations are adequate to provide controllers off-duty time sufficient to achieve 8 hours of continuous sleep?*

Assets Covered **Airgas Records & Field**

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

32. Question Result, ID, References **NA, CR.CRMFM.SHIFTLENGTHTIME.R, 192.631(d)(1)**

Question Text *Does the operator factor in all time the individual is working for the company when establishing shift lengths and schedule rotations or is there a documented technical basis to show that shift lengths and schedule rotations are adequate to provide controllers off-duty time sufficient to achieve 8 hours of continuous sleep?*

Assets Covered **Airgas Records & Field**

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

33. Question Result, ID, References **NA, CR.CRMFM.SCHEDULEDTIMEOFF.R, 192.631(d)(1)**

Question Text *Are all scheduled periods of time off at least one hour longer than 8 hours plus commute time or is there a documented technical basis to show that shift lengths and schedule rotations are adequate to provide controllers off-duty time sufficient to achieve 8 hours of continuous sleep?*

Assets Covered **Airgas Records & Field**

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

34. Question Result, ID, References **NA, CR.CRMFM.ONCALLCONTROLLER.R, 192.631(d)(1)**

Question Text *For controllers who are on call, does the operator minimize interrupting the required 8 hours of continuous sleep or is there a documented technical basis to show that shift lengths and schedule rotations are adequate to provide controllers off-duty time sufficient to achieve 8 hours of continuous sleep?*

Assets Covered **Airgas Records & Field**

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

35. Question Result, ID, References **NA, CR.CRMFM.WORKHOURS.R, 192.631(d)(4)**

Question Text *For normal business hour type operations (i.e., five days per week), do records indicate shift start times no earlier than 6:00 a.m. and shift end times no later than 7:00 p.m.?*

Assets Covered **Airgas Records & Field**

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

36. Question Result, ID, References **NA, CR.CRMFM.FATIGUEEDUCATE.R, 192.631(d)(2) (192.631(d)(3))**
 Question Text *Is periodic fatigue education/training documented for all controllers and control room supervisors?*
 Assets Covered **Airgas Records & Field**
 Result Notes **No such relevant facilities/equipment existed in the scope of inspection review. No CRM**
37. Question Result, ID, References **NA, CR.CRMFM.FATIGUECONTENT.R, 192.631(d)(3)**
 Question Text *Has controller and supervisor training to recognize the effects of fatigue been documented?*
 Assets Covered **Airgas Records & Field**
 Result Notes **No such relevant facilities/equipment existed in the scope of inspection review. No CRM**

CR.CRMAM: Alarm Management

38. Question Result, ID, References **NA, CR.CRMAM.ALARMVERIFY.R, 192.631(e)(2)**
 Question Text *Do records verify that monthly reviews and analysis of alarm points have been performed?*
 Assets Covered **Airgas Records & Field**
 Result Notes **No such relevant facilities/equipment existed in the scope of inspection review. No CRM**
39. Question Result, ID, References **NA, CR.CRMAM.ALARMVALUEVERIFY.R, 192.631(e)(3)**
 Question Text *Do records demonstrate verification of correct safety-related alarm set-point values and alarm descriptors when associated field instruments are calibrated or changed and at least once each calendar year, but at intervals not to exceed 15 months?*
 Assets Covered **Airgas Records & Field**
 Result Notes **No such relevant facilities/equipment existed in the scope of inspection review. No CRM**
40. Question Result, ID, References **NA, CR.CRMAM.PLANREVIEW.R, 192.631(e)(4)**
 Question Text *Do records indicate review of the alarm management plan at least once each calendar year, but at intervals not exceeding 15 months, in order to determine the effectiveness of the plan?*
 Assets Covered **Airgas Records & Field**
 Result Notes **No such relevant facilities/equipment existed in the scope of inspection review. No CRM**
41. Question Result, ID, References **NA, CR.CRMAM.PERFORMANCEANALYSIS.R, 192.631(e)(5)**
 Question Text *Has an analysis been performed to determine if controller(s) performance is currently adequate?*
 Assets Covered **Airgas Records & Field**
 Result Notes **No such relevant facilities/equipment existed in the scope of inspection review. No CRM**
42. Question Result, ID, References **NA, CR.CRMAM.DEFICIENCIES.R, 192.631(e)(6)**
 Question Text *Do records indicate deficiencies found in implementing 192.631(e)(1) through 192.631(e)(5) have been resolved?*
 Assets Covered **Airgas Records & Field**
 Result Notes **No such relevant facilities/equipment existed in the scope of inspection review. No CRM**

CR.CRMCMGT: Change Management

43. Question Result, ID, References **NA, CR.CRMCMGT.CONTROLLERPARTICIPATE.R, 192.631(f)(1) (192.631(f)(3))**
 Question Text *Do records indicate that control room representative(s) participate in meetings where changes that could directly or indirectly affect the hydraulic performance or configuration of the pipeline (including routine maintenance and repairs) are being considered, designed and implemented?*
 Assets Covered **Airgas Records & Field**
 Result Notes **No such relevant facilities/equipment existed in the scope of inspection review. No CRM**
44. Question Result, ID, References **NA, CR.CRMCMGT.FIELDCHANGES.R, 192.631(f)(2)**

Question Text *Do records indicate field personnel and SCADA support personnel contacted the control room when making field changes (for example, moving a valve) that affect control room operations?*

Assets Covered **Airgas Records & Field**

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

CR.CRMEXP: Operating Experience

45. Question Result, ID, References **NA, CR.CRMEXP.REPORTABLEINCIDENTREVIEW.R, 192.631(g)(1)**

Question Text *Do records indicate reviews of reportable events specifically analyzed all contributing factors to determine if control room actions contributed to the event, and corrected any deficiencies?*

Assets Covered **Airgas Records & Field**

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

46. Question Result, ID, References **NA, CR.CRMEXP.LESSONSLEARNED.R, 192.631(g)(2) (192.631(b)(5))**

Question Text *Has operating experience review training been conducted on lessons learned from a broad range of events (reportable incidents/accidents, near misses, leaks, operational and maintenance errors, etc.)?*

Assets Covered **Airgas Records & Field**

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

CR.CRMTRAIN: Training

47. Question Result, ID, References **NA, CR.CRMTRAIN.CONTROLLERTRAIN.R, 192.631(h)**

Question Text *Has a controller training program been implemented to provide training for each controller to carry out their roles and responsibilities?*

Assets Covered **Airgas Records & Field**

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

48. Question Result, ID, References **NA, CR.CRMTRAIN.TRAININGREVIEW.R, 192.631(h)**

Question Text *Have processes been implemented to review the controller training program content to identify potential improvements at least once each calendar year, but at intervals not to exceed 15 months?*

Assets Covered **Airgas Records & Field**

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

49. Question Result, ID, References **NA, CR.CRMTRAIN.TRAININGCONTENT.R, 192.631(h)**

Question Text *Does training content address all required material, including training each controller to carry out the roles and responsibilities that were defined by the operator?*

Assets Covered **Airgas Records & Field**

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

50. Question Result, ID, References **NA, CR.CRMTRAIN.AOCLIST.R, 192.631(h)(1)**

Question Text *Has a list of the abnormal operating conditions that are likely to occur simultaneously or in sequence been established?*

Assets Covered **Airgas Records & Field**

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

51. Question Result, ID, References **NA, CR.CRMTRAIN.TRAINING.R, 192.631(h)(2)**

Question Text *Do records indicate the training program used a simulator or tabletop exercises to train controllers how to recognize and respond to abnormal operating conditions?*

Assets Covered **Airgas Records & Field**

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

52. Question Result, ID, References **NA, CR.CRMTRAIN.INFREQOPLIST.R, 192.631(h)(5)**

Question Text *Has a list of pipeline operating setups that are periodically (but infrequently) used been established?*

Assets Covered **Airgas Records & Field**

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

53. Question Result, ID, References **NA, CR.CRMTRAIN.TEAMTRAINEXERCISE.R, 192.631(h)(6)**

Question Text *Do records indicate that training exercises were adequate and involved at least one qualified controller?*

Assets Covered **Airgas Records & Field**

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

54. Question Result, ID, References **NA, CR.CRMTRAIN.TEAMTRAINIDENTINDIVIDUAL.R, 192.631(h)(6)**

Question Text *Do records demonstrate that individuals identified as of January 23, 2018 received team training by January 23, 2019?*

Assets Covered **Airgas Records & Field**

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

CR.CRMCOMP: Compliance Validation and Deviations

55. Question Result, ID, References **NA, CR.CRMCOMP.SUBMITPROCEDURES.R, 192.631(i)**

Question Text *Has the operator been responsive to requests from applicable agencies to submit their CRM procedures?*

Assets Covered **Airgas Records & Field**

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

56. Question Result, ID, References **NA, CR.CRMCOMP.CRMCOORDINATOR.R, 192.631(i)**

Question Text *Is there an individual that is responsible and accountable for compliance with requests from PHMSA or other applicable agencies?*

Assets Covered **Airgas Records & Field**

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

57. Question Result, ID, References **NA, CR.CRMCOMP.RECORDS.R, 192.631(j)(1)**

Question Text *Are records sufficient to demonstrate compliance with the CRM rule?*

Assets Covered **Airgas Records & Field**

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

58. Question Result, ID, References **NA, CR.CRMCOMP.ELECTRONICRECORDS.R, 192.631(j)(1)**

Question Text *Are electronic records properly stored, safeguarded, and readily retrievable?*

Assets Covered **Airgas Records & Field**

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

59. Question Result, ID, References **NA, CR.CRMCOMP.DEVIATIONS.R, 192.631(j)(2)**

Question Text *Were all deviations documented in a way that demonstrates they were necessary for safe operation?*

Assets Covered **Airgas Records & Field**

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

CR.LD: Leak Detection

60. Question Result, ID, References **NA, CR.LD.LDSYS.R, 192.631(g)**

Question Text *Do records demonstrate the operator has identified, considered, or implemented leak detection measures to mitigate the consequences of a pipeline failure?*

Assets Covered **Airgas Records & Field**

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

61. Question Result, ID, References **NA, CR.LD.FACILITY.R, 192.605(b)(1) (192.613(a), 192.631(b))**

Question Text *Do records indicate continuing surveillance of facilities to determine and take appropriate action concerning failures/leakage history?*

Assets Covered **Airgas Records & Field**

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

DC.CO: Construction

62. Question Result, ID, References **NA, DC.CO.INSPECTGEN.R, 192.303 (192.305)**

Question Text *Do records indicate the pipeline is being inspected to ensure it is constructed in accordance with Part 192?*

Assets Covered **Airgas Records & Field**

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

63. Question Result, ID, References **NA, DC.CO.PLASTICJOINT.R, 192.281(a) (192.281(b), 192.281(c), 192.281(d), 192.281(e))**

Question Text *As applicable to the project, do records indicate that plastic pipe joints are installed in accordance with the requirements 192.281?*

Assets Covered **Airgas Records & Field**

Result Notes **No such event occurred, or condition existed, in the scope of inspection review. No new construction, no plastic pipe.**

64. Question Result, ID, References **NA, DC.CO.PLASTICJOINTQUAL.R, 192.285(d) (192.285(a), 192.285(b), 192.285(c), 192.807(a), 192.807(b))**

Question Text *Do records indicate persons making joints in plastic pipelines are qualified in accordance with 192.285?*

Assets Covered **Airgas Records & Field**

Result Notes **No such event occurred, or condition existed, in the scope of inspection review. No new construction, no plastic pipe.**

65. Question Result, ID, References **NA, DC.CO.PLASTICJOINTINSP.R, 192.287 (192.807(a), 192.807(b))**

Question Text *Do records indicate persons inspecting the making of plastic pipe joints have been qualified?*

Assets Covered **Airgas Records & Field**

Result Notes **No such event occurred, or condition existed, in the scope of inspection review. No new construction, no plastic pipe.**

66. Question Result, ID, References **NA, DC.CO.INSPECTVISUAL.R, 192.303 (192.307)**

Question Text *Do records demonstrate each length of pipe and each other component was visually inspected prior to installation in accordance with 192.307?*

Assets Covered **Airgas Records & Field**

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

67. Question Result, ID, References **NA, DC.CO.REPAIR.R, 192.309(a) (192.309(b), 192.309(c), 192.309(d), 192.309(e))**

Question Text *Do records demonstrate that repairs to steel pipe are being made in accordance with 192.309?*

Assets Covered **Airgas Records & Field**

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

68. Question Result, ID, References **NA, DC.CO.REPAIRPLASTIC.R, 192.311**

Question Text *Do records indicate that imperfections or damage of plastic pipe are repaired or removed?*

Assets Covered **Airgas Records & Field**

Result Notes **No such event occurred, or condition existed, in the scope of inspection review. No new construction, no plastic pipe.**

69. Question Result, ID, References **NA, DC.CO.FIELDBEND.R, 192.313(a) (192.313(b), 192.313(c))**

Question Text *Do records indicate that field bends are made in accordance with 192.313?*

Assets Covered **Airgas Records & Field**

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

70. Question Result, ID, References **NA, DC.CO.WRINKLEBEND.R, 192.315(a) (192.315(b))**
 Question Text *Do records indicate that wrinkle bends were made in accordance with 192.315?*
 Assets Covered **Airgas Records & Field**
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review. No wrinkle bends.**
71. Question Result, ID, References **Sat, DC.CO.HAZARD.R, 192.317(a) (192.317(b), 192.317(c), 192.603, 192.614, 192.709)**
 Question Text *Do records demonstrate the installed transmission line or main is protected from hazards?*
 Assets Covered **Airgas Records & Field**
 Result Notes **Line is protected from hazards.**
72. Question Result, ID, References **NA, DC.DPC.CCPROTCOATLOWER.R, 192.143(b) (192.461(c))** (also presented in: DC.DPC)
 Question Text *Do records indicate that each pipe segment with external protective coating was inspected just prior to lowering into the ditch and backfilling, and any damage detrimental to effective corrosion control was repaired?*
 Assets Covered **Airgas Records & Field**
 Result Notes **No new construction. Airgas pipe was installed in 1997 and is externally protected with FBE coating and cathodic protection.**
73. Question Result, ID, References **Sat, DC.CO.INSTALL.R, 192.303 (192.319(a), 192.319(b))**
 Question Text *Do records demonstrate that piping was installed such that stresses are minimized and the coating is protected?*
 Assets Covered **Airgas Records & Field**
74. Question Result, ID, References **NA, DC.CO.INSTALLOFFSHORE.R, 192.319(c)**
 Question Text *Do records indicate certain offshore pipe was installed in accordance with 192.319(c)?*
 Assets Covered **Airgas Records & Field**
 Result Notes **No offshore pipe.**
75. Question Result, ID, References **NA, DC.CO.INSTALLGOM.R, 192.303 (192.319(c))**
 Question Text *Do records indicate that certain pipe in the Gulf of Mexico and its inlets was installed to the burial depths required by 192.319(c)?*
 Assets Covered **Airgas Records & Field**
 Result Notes **No GOM pipe.**
76. Question Result, ID, References **NA, DC.CO.INSTALLPLASTIC.R, 192.321(a) (192.321(b), 192.321(c), 192.321(d), 192.321(e), 192.321(f), 192.321(g))**
 Question Text *Do records indicate plastic pipe was installed as required by 192.321?*
 Assets Covered **Airgas Records & Field**
 Result Notes **No plastic pipe.**
77. Question Result, ID, References **Sat, DC.CO.CLEAR.R, 192.325(a) (192.325(b), 192.325(c), 192.325(d))**
 Question Text *Do records indicate that transmission lines or mains are installed with clearances specified in 192.325, and (if plastic) installed as to prevent heat damage to the pipe?*
 Assets Covered **Airgas Records & Field**
 Result Notes **Airgas pipe is 36-48**
78. Question Result, ID, References **Sat, DC.CO.COVERONSHORE.R, 192.327(a) (192.327(b), 192.327(c), 192.327(d), 192.327(e))**
 Question Text *Is onshore piping minimum cover provided as specified in 192.327?*
 Assets Covered **Airgas Records & Field**

DC.WELDINSP: Construction Weld Inspection

79. Question Result, ID, [NA, DC.WELDINSP.WELDVISUALQUAL.R, 192.241 \(192.225, 192.227, 192.229, 192.231, 192.233, 192.243, 192.245\)](#)
 Question Text *Does the operator have records showing that the welding was visually and/or non-destructively tested according to the requirements of 192.241 and the operator's specifications or procedures?*
 Assets Covered [Airgas Records & Field](#)
 Result Notes *No such event occurred, or condition existed, in the scope of inspection review.*
80. Question Result, ID, [NA, DC.WELDINSP.WELDNDR.R, 192.243](#)
 Question Text *Do records indicate that NDT and interpretation are in accordance with 192.243?*
 Assets Covered [Airgas Records & Field](#)
 Result Notes *No such event occurred, or condition existed, in the scope of inspection review.*
81. Question Result, ID, [NA, DC.WELDINSP.WELDREPAIR.R, 192.245 \(192.303\)](#)
 Question Text *Do records indicate that unacceptable welds are removed and/or repaired in accordance with 192.245?*
 Assets Covered [Airgas Records & Field](#)
 Result Notes *No such event occurred, or condition existed, in the scope of inspection review.*

DC.WELDPROCEDURE: Construction Welding Procedures

82. Question Result, ID, [NA, DC.WELDPROCEDURE.WELD.R, 192.225](#)
 Question Text *Does the operator have detailed records showing proper qualification of the welding procedures in accordance with 192.225?*
 Assets Covered [Airgas Records & Field](#)
 Result Notes *No such event occurred, or condition existed, in the scope of inspection review.*
83. Question Result, ID, [NA, DC.WELDPROCEDURE.WELDERQUAL.R, 192.227 \(192.225, 192.229\)](#)
 Question Text *Do the records demonstrate that the welders are qualified in accordance with applicable sections of API Standard 1104 or ASME BPVC, Section IX, and cover the limitations in 192.229?*
 Assets Covered [Airgas Records & Field](#)
 Result Notes *No such event occurred, or condition existed, in the scope of inspection review.*
84. Question Result, ID, [NA, DC.WELDPROCEDURE.WELDWEATHER.R, 192.231 \(192.225, 192.227\)](#)
 Question Text *Does the operator have records that document weather conditions, suspension, protective measures, and resumption of the welding processes to prevent impairment of the quality of the completed weld?*
 Assets Covered [Airgas Records & Field](#)
 Result Notes *No such event occurred, or condition existed, in the scope of inspection review.*
85. Question Result, ID, [NA, DC.WELDPROCEDURE.MITERJOINT.R, 192.233](#)
 Question Text *In the event that improper miter joints are installed, does the operator have records to indicate that the miter joints were removed as required by 192.233?*
 Assets Covered [Airgas Records & Field](#)
 Result Notes *No such event occurred, or condition existed, in the scope of inspection review.*
86. Question Result, ID, [NA, DC.WELDPROCEDURE.WELDPREP.R, 192.235](#)
 Question Text *Do welding inspection records show that welding preparation was not performed according to 192.235 and the operator's specifications or procedures, or that identified issues were not corrected?*
 Assets Covered [Airgas Records & Field](#)
 Result Notes *No such event occurred, or condition existed, in the scope of inspection review.*

DC.DP: Design of Pipe

87. Question Result, ID, [Sat, DC.DP.PIPEDESMAOP.R, 192.105 \(192.107, 192.109, 192.111, 192.113, 192.115\)](#)
 References

Question Text *Do design records and drawings indicate the design pressure of steel pipe is established in accordance with 192.105(a)?*

Assets Covered **Airgas Records & Field**

Result Notes **Design records and drawings indicate the design pressure of steel pipe is established in accordance with 192.105. Reviewed class location study done in June 2021. Airgas pipeline MAOP is 401.82 psig, the line operates at 185 psig.**

88. Question Result, ID, References **Sat, DC.DP.CLASSLOCATION.R, 192.111 (192.5, 192.105, 192.609)**

Question Text *Does the operator have complete records showing the determination of class location(s) for the new pipeline?*

Assets Covered **Airgas Records & Field**

89. Question Result, ID, References **NA, DC.DP.DESIGNPRESSPLASTIC.R, 192.121**

Question Text *Do design records and drawings indicate the design pressure for plastic pipe is determined in accordance with the formulas in 192.121?*

Assets Covered **Airgas Records & Field**

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

90. Question Result, ID, References **NA, DC.DP.DESIGNLIMITPLASTIC.R, 192.123(a) (192.123(b), 192.123(c), 192.123(d), 192.123(e), 192.123(f))**

Question Text *Do design records and drawings indicate that the design limitations of 192.123 are incorporated into the design of plastic pipe?*

Assets Covered **Airgas Records & Field**

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

DC.DPCOPP: Design of Pipe - Overpressure Protection

91. Question Result, ID, References **Sat, DC.DPCOPP.OVERPRESSURE.R, 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))**

Question Text *Do records indicate that the pipeline has pressure relieving or pressure limiting devices that are required by 192.195(a), and that they meet the requirements of 192.199 and 192.201?*

Assets Covered **Airgas Records & Field**

Result Notes **Records indicate that the pipeline has pressure relieving or pressure limiting devices that are required by 192.195(a), they meet the requirements of 192.199 and 192.201.**

92. Question Result, ID, References **Sat, DC.DPCOPP.OVERPRESSURE.O, 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))**

Question Text *Are required pressure relieving or pressure limiting devices being installed, and do they meet the requirements of 192.199 and 192.201?*

Assets Covered **Airgas Records & Field**

93. Question Result, ID, References **Sat, DC.DPCOPP.PRESSLIMIT.R, 192.199(a) (192.199(b), 192.199(c), 192.199(d), 192.199(e), 192.199(f), 192.199(g), 192.199(h))**

Question Text *Do records indicate that pressure relieving or pressure limiting devices meet the requirements of 192.199?*

Assets Covered **Airgas Records & Field**

Result Notes **Airgas records indicated that pressure relieving or pressure limiting devices meet the requirements of 192.199.**

94. Question Result, ID, References **Sat, DC.DPCOPP.PRESSLIMITCAP.R, 192.201(a) (192.201(b), 192.201(c))**

Question Text *Do records indicate that pressure relief or pressure limiting stations being installed comply with 192.201?*

Assets Covered **Airgas Records & Field**

Result Notes **Airgas records indicated that pressure relief or pressure limiting stations being installed comply with 192.201**

DC.DPC: Design of Pipe Components

95. Question Result, ID, References **Sat, DC.DPC.METALCOMPONENT.R, 192.144(a) (192.144(b), 192.607)**

- Question Text *Do records indicate that certain metallic components are qualified for use in accordance with 192.144?*
Assets Covered **Airgas Records & Field**
96. Question Result, ID, **Sat, DC.DPC.VALVE.R, 192.145 (192.145(a), 192.145(b), 192.145(c), 192.145(d), 192.145(e),**
References **192.145(f), 192.607)**
Question Text *Do records indicate valves comply with the requirements of 192.145?*
Assets Covered **Airgas Records & Field**
97. Question Result, ID, **Sat, DC.DPC.FLANGE.R, 192.147 (192.147(a), 192.147(b), 192.147(c), 192.607)**
References
Question Text *Do records indicate flanges and flange accessories meet the requirements of 192.147?*
Assets Covered **Airgas Records & Field**
98. Question Result, ID, **Sat, DC.DPC.STANDARDFITTING.R, 192.149 (192.149(a), 192.149(b), 192.149(c), 192.607)**
References
Question Text *Do records indicate standard fittings are in compliance with 192.149?*
Assets Covered **Airgas Records & Field**
99. Question Result, ID, **NA, DC.DPC.ILIPASS.R, 192.150 (192.150(a), 192.150(c))**
References
Question Text *Do records indicate that certain transmission pipeline components are designed and constructed to accommodate the passage of instrumented internal inspection devices?*
Assets Covered **Airgas Records & Field**
Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**
100. Question Result, ID, **NA, DC.DPC.TAP.R, 192.151 (192.151(a), 192.151(b), 192.151(c).)**
References
Question Text *Do records indicate that tapping fittings and taps comply with the requirements of 192.151?*
Assets Covered **Airgas Records & Field**
Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**
101. Question Result, ID, **Sat, DC.DPC.WELDFABRICATE.R, 192.153(a) (192.153(b), 192.153(c), 192.153(d))**
References
Question Text *Do records indicate that components fabricated by welding are in accordance with 192.153?*
Assets Covered **Airgas Records & Field**
Result Notes **Airgas pipeline components were constructed to API 1104 standard.**
102. Question Result, ID, **Sat, DC.DPC.FLEXIBLE.R, 192.159**
References
Question Text *Do records indicate that pipeline flexibility is designed in accordance with 192.159?*
Assets Covered **Airgas Records & Field**
103. Question Result, ID, **Sat, DC.DPC.SUPPORT.R, 192.161(a) (192.161(b), 192.161(c), 192.161(d), 192.161(e), 192.161(f))**
References
Question Text *Do records indicate piping and associated equipment have sufficient anchors or supports to prevent undue strain on connected equipment, resist longitudinal forces, and prevent or dampen excessive vibration?*
Assets Covered **Airgas Records & Field**
Result Notes **Airgas records indicated there are sufficient supports.**
104. Question Result, ID, **Sat, DC.DPC.VALVESPACE.R, 192.179(a) (192.179(a)(1), 192.179(a)(2), 192.179(a)(3), 192.179(a)(4),**
References **192.179(b), 192.179(c), 192.179(d))**
Question Text *Do records indicate that transmission line valve spacing is in accordance with 192.179(a)?*
Assets Covered **Airgas Records & Field**
Result Notes **Airgas has one block valve**
105. Question Result, ID, **Sat, DC.DPC.VALVESPACE.O, 192.141 (192.179(a), 192.179(b), 192.179(c), 192.179(d))**
References
Question Text *Are transmission line valves being installed as required by 192.179?*
Assets Covered **Airgas Records & Field**

106. Question Result, ID, References **NA, DC.DPC.PLASTICFITTING.R, 192.191(a) (192.191(b))**
 Question Text *Do records indicate that plastic fittings conform to the standards referenced in 192.191?*
 Assets Covered **Airgas Records & Field**
 Result Notes **No such relevant facilities/equipment existed in the scope of inspection review. No plastic pipe**
107. Question Result, ID, References **NA, DC.DPC.VAULT.R, 192.183(a) (192.183(b), 192.183(c))**
 Question Text *As applicable to the project, do records indicate that vaults and valve pits are designed in accordance with 192.183?*
 Assets Covered **Airgas Records & Field**
 Result Notes **No such relevant facilities/equipment existed in the scope of inspection review. No vaults.**
108. Question Result, ID, References **NA, DC.DPC.VAULTACCESS.R, 192.185(a) (192.185(b), 192.185(c))**
 Question Text *As applicable to the project, do records indicate that vaults are located in an accessible location?*
 Assets Covered **Airgas Records & Field**
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review. No vaults.**
109. Question Result, ID, References **NA, DC.DPC.VAULTSEAL.R, 192.187(a) (192.187(b), 192.187(c))**
 Question Text *As applicable to the project, do records indicate that underground vaults or closed top pits are to be sealed, vented or ventilated as required by 192.187?*
 Assets Covered **Airgas Records & Field**
 Result Notes **No such relevant facilities/equipment existed in the scope of inspection review. No vaults.**
110. Question Result, ID, References **NA, DC.DPC.VAULTWATER.R, 192.189(a) (192.189(b), 192.189(c))**
 Question Text *As applicable to the project, do records indicate that underground vaults or pits are protected from water intrusion as required of 192.189?*
 Assets Covered **Airgas Records & Field**
 Result Notes **No such relevant facilities/equipment existed in the scope of inspection review. No vaults.**
111. Question Result, ID, References **NA, DC.DPC.INSTRUMENTPIPE.R, 192.203(a) (192.203(b))**
 Question Text *As applicable to the project, do records indicate that instrument, control, and sampling pipe and components are designed in accordance with 192.203?*
 Assets Covered **Airgas Records & Field**
 Result Notes **No new construction.**
112. Question Result, ID, References **NA, DC.DPC.INTCORRODE.R, 192.476(d) (192.476(b), 192.476(c), 192.476(a))**
 Question Text *Do records demonstrate 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 **Airgas Records & Field**
 Result Notes **No internal corrosion**
113. Question Result, ID, References **NA, DC.DPC.INTCORRODE.O, 192.476(a) (192.476(b), 192.476(c))**
 Question Text *Does the transmission project's design and construction comply with 192.476?*
 Assets Covered **Airgas Records & Field**
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
114. Question Result, ID, References **Sat, DC.DPC.CCROTCOATSURFPREP.R, 192.143(b) (192.461(a), 192.309(a), 192.491(c))**
 Question Text *Do records indicate that each protective coating applied for the purpose of external corrosion control was applied on a properly prepared surface?*
 Assets Covered **Airgas Records & Field**
 Result Notes **All joints have a protective coating and surfaces were properly prepared.**
115. Question Result, ID, References **Sat, DC.DPC.CCROTCOATPROP.R, 192.143(b) (192.461(a)(2), 192.461(a)(3), 192.461(a)(4), 192.461(a)(5), 192.461(b),)**

Question Text *Do records indicate that that each protective coating applied for the purpose of external corrosion control has 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 **Airgas Records & Field**

116. Question Result, ID, References **NA, DC.DPC.CCPROTCOATLOWER.R, 192.143(b) (192.461(c))** (also presented in: DC.CO)

Question Text *Do records indicate that each pipe segment with external protective coating was inspected just prior to lowering into the ditch and backfilling, and any damage detrimental to effective corrosion control was repaired?*

Assets Covered **Airgas Records & Field**

Result Notes **No new construction. Airgas pipe was installed in 1997 and is externally protected with FBE coating and cathodic protection.**

117. Question Result, ID, References **Sat, DC.DPC.CCPROTCOATINGINDITCH.R, 192.143(b) (192.461(d))**

Question Text *Do operator's records indicate that each external protective coating was protected from damage resulting from adverse ditch conditions or damage from supporting blocks?*

Assets Covered **Airgas Records & Field**

118. Question Result, ID, References **Sat, DC.DPC.CCPROTCOATBORING.R, 192.143(b) (192.461(e))**

Question Text *Do records indicate that precautions were taken to minimize damage to the coating during installation, if coated pipe is installed by boring, driving, or other similar method?*

Assets Covered **Airgas Records & Field**

119. Question Result, ID, References **Sat, DC.DPC.CORROSIONQUAL.R, 192.491 (192.143(b), 192.453)**

Question Text *Do records verify that the design and installation of cathodic protection systems, were carried out by, or under the direction of, a person qualified in pipeline corrosion control methods?*

Assets Covered **Airgas Records & Field**

Result Notes **Corepro installed zinc ribbon when the pipe was installed in 1997, an impressed current system was installed after 2000. Qualified individuals installed the CP systems.**

120. Question Result, ID, References **Sat, DC.DPC.CCCATHPROTDES.R, 192.463(a) (192.143(b))**

Question Text *Do operator's records indicate that the cathodic protection system was designed and installed to comply with one or more of the applicable criteria contained in Appendix D of Part 192?*

Assets Covered **Airgas Records & Field**

Result Notes **Airgas uses the -850mV criteria**

121. Question Result, ID, References **Sat, DC.DPC.CCCATHPROTLEVEL.R, 192.491 (192.143(b), 192.463(c))**

Question Text *Do records verify that the amount of cathodic protection was designed and installed so as not to damage the protective coating or the pipe?*

Assets Covered **Airgas Records & Field**

122. Question Result, ID, References **Sat, DC.DPC.CCELECTRICALISOL.R, 192.467(c) (192.143(b),)**

Question Text *Do operator's records indicate that each pipeline was electrically isolated from metallic casings that are a part of the underground system?*

Assets Covered **Airgas Records & Field**

123. Question Result, ID, References **Sat, DC.DPC.CCELECTRISOLSTRUCT.R, 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 records indicate that each buried or submerged pipeline was electrically isolated from other underground metallic structures?*

Assets Covered **Airgas Records & Field**

124. Question Result, ID, References **Sat, DC.DPC.CCEXTRNLPROT.R, 192.143(b) (192.455(a))**

Question Text *Do records document that each buried or submerged pipeline installed after July 31, 1971, has been protected against external corrosion with a cathodic protection system within one year after completion of construction, conversion to service, or becoming jurisdictional onshore gathering?*

Assets Covered **Airgas Records & Field**

DC.MO: Maintenance and Operations

125. Question Result, ID, References **NA, DC.MO.ICEXAMINE.R, 192.491(c) (192.475(a), 192.475(b), 192.475(c))**

Question Text *Do records indicate examination of removed pipe for evidence of internal corrosion?*

Assets Covered **Airgas Records & Field**

Result Notes **No construction on pipeline since install in 1997**

126. Question Result, ID, References **Sat, DC.MO.MAOPLIMIT.R, 192.605(b)(5)**

Question Text *Do records indicate that the pressure limitations on the pipeline are not exceeded?*

Assets Covered **Airgas Records & Field**

Result Notes **Airgas pipeline MAOP is 400 psig, the line operates no higher than 185 psig.**

127. Question Result, ID, References **Sat, DC.MO.MAOPLIMIT.O, 192.605(b)(5)**

Question Text *During startup or shut-in, is it assured that the pressure limitations on the pipeline were not exceeded?*

Assets Covered **Airgas Records & Field**

128. Question Result, ID, References **NA, DC.MO.HOTTAP.R, 192.627**

Question Text *Do records indicate that hot taps are performed in accordance with hot tap procedures?*

Assets Covered **Airgas Records & Field**

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

129. Question Result, ID, References **Sat, DC.MO.SAFETY.R, 192.605(b) (192.605(b)(9))**

Question Text *Do records indicate that pipeline maintenance construction and testing activities are performed in a safe manner?*

Assets Covered **Airgas Records & Field**

DC.MA: Materials

130. Question Result, ID, References **Sat, DC.MA.GEN.R, 192.53 (192.55, 192.59, 192.63)**

Question Text *Does the operator have records showing that materials for pipe and components have met the requirements of 192.53?*

Assets Covered **Airgas Records & Field**

Result Notes **API 5L pipe is installed**

131. Question Result, ID, References **Sat, DC.MA.STEELPIPE.R, 192.55(a) (192.55(b), 192.55(c), 192.55(d), 192.55(e))**

Question Text *Does the operator have records showing that the steel pipe is qualified for use under Part 192 according to 192.55? (see considerations for requirements of 192.55)*

Assets Covered **Airgas Records & Field**

132. Question Result, ID, References **NA, DC.MA.PLASTIC.R, 192.53 (192.59)**

Question Text *Do records indicate that plastic pipe is qualified in accordance with 192.59?*

Assets Covered **Airgas Records & Field**

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

133. Question Result, ID, References **Sat, DC.MA.MARKING.R, 192.63**

Question Text *Do records indicate that pipe, valves, and fittings were marked as required?*

Assets Covered **Airgas Records & Field**

Result Notes Pipe, valves and fittings were marked as required.

134. Question Result, ID, NA, DC.MA.RAILTRANSPORT.R, 192.65(a)
References
Question Text *Does the operator have records showing that railroad transportation for certain pipe (see considerations) was in accordance with 192.65(a) and API RP 5L1?*
Assets Covered Airgas Records & Field
Result Notes No such event occurred, or condition existed, in the scope of inspection review.
135. Question Result, ID, NA, DC.MA.BARGETRANSPORT.R, 192.65(b)
References
Question Text *Does the operator have records showing that ship or barge transportation for certain pipe (see considerations) is in accordance with 192.65(b) and API RP 5LW?*
Assets Covered Airgas Records & Field
Result Notes No such event occurred, or condition existed, in the scope of inspection review.
136. Question Result, ID, Sat, DC.MA.TRUCKTRANSPORT.R, 192.65(c)
References
Question Text *Does the operator have records showing that truck transportation for certain pipe (see considerations) is in accordance with 192.65(c) and API RP 5LT?*
Assets Covered Airgas Records & Field

DC.PT: Pressure Testing

137. Question Result, ID, NA, DC.PT.PRESSTEST.R, 192.503(a) (192.503(b), 192.503(c), 192.503(d), 192.503(e)) (also presented References in: DC.PTLOWPRESS)
Question Text *Do records indicate that pressure testing is conducted in accordance with 192.503?*
Assets Covered Airgas Records & Field
Result Notes No such event occurred, or condition existed, in the scope of inspection review. No low pressure
138. Question Result, ID, NA, DC.PT.PRESSTESTHIGHSTRESS.R, 192.505(a) (192.143(a), 192.517(a), 192.505(b), 192.505(c), 192.505(d), 192.143(b), 192.143(c))
Question Text *Do records indicate that the sections of a pipeline operating at a hoop stress equal to or greater than 30% of SMYS were strength tested in accordance with the requirements of 192.505?*
Assets Covered Airgas Records & Field
Result Notes Airgas pipe does not run at a hoop stress greater than 30% SMYS
139. Question Result, ID, Sat, DC.PT.PRESSTESTPLASTIC.R, 192.513(a) (192.143(a), 192.517(b), 192.513(c), 192.513(d), 192.143(b), 192.143(c))
Question Text *Do records indicate that the sections of a plastic pipeline were tested in accordance with the requirements of 192.513?*
Assets Covered Airgas Records & Field
140. Question Result, ID, NA, DC.PT.PRESSTESTENVIRON.R, 192.515(b) (192.629(a), 192.629(b)) (also presented in: References DC.PTLOWPRESS)
Question Text *Do records indicate while conducting tests under Subpart J " Test Requirements, the test medium disposal was conducted in a manner that minimized damage to the environment?*
Assets Covered Airgas Records & Field
Result Notes No such event occurred, or condition existed, in the scope of inspection review. No low pressure
141. Question Result, ID, NA, DC.PT.PRESSTESTSAFETY.R, 192.515(a) (192.629(a), 192.629(b)) (also presented in: References DC.PTLOWPRESS)
Question Text *Do records indicate while conducting tests under Subpart J " Test Requirements, every reasonable precaution was taken to protect its employees and the general public throughout the testing?*
Assets Covered Airgas Records & Field
Result Notes No such event occurred, or condition existed, in the scope of inspection review. No low pressure
142. Question Result, ID, NA, DC.PT.PRESSTESTRECORD.R, 192.517(a) (192.517(b)) (also presented in: DC.PTLOWPRESS)
References
Question Text *Do records indicate creation and retention of a record for each Subpart J test performed for the required duration?*
Assets Covered Airgas Records & Field

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

DC.PTLOWPRESS: Pressure Testing - Low Pressure

143. Question Result, ID, NA, DC.PT.PRESSTEST.R, 192.503(a) (192.503(b), 192.503(c), 192.503(d), 192.503(e)) (also presented in: DC.PT)
Question Text *Do records indicate that pressure testing is conducted in accordance with 192.503?*
Assets Covered Airgas Records & Field
Result Notes No such event occurred, or condition existed, in the scope of inspection review. No low pressure
144. Question Result, ID, NA, DC.PTLOWPRESS.PRESSTESTLOWSTRESS.R, 192.507 (192.505, 192.515, 192.517, ANSI/GPTC Z380.1-2018 Appendix G-192-9)
Question Text *Do records indicate 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 were tested in accordance with the requirements of 192.507?*
Assets Covered Airgas Records & Field
Result Notes No such event occurred, or condition existed, in the scope of inspection review. No low pressure
145. Question Result, ID, NA, DC.PTLOWPRESS.PRESSTEST100PSIG.R, 192.509 (192.143, 192.517)
Question Text *Do records indicate that the sections of a pipeline operated below 100 psig were leak tested in accordance with the section requirements of 192.509 (except for service lines and plastic pipelines)?*
Assets Covered Airgas Records & Field
Result Notes No such event occurred, or condition existed, in the scope of inspection review. No low pressure
146. Question Result, ID, NA, DC.PTLOWPRESS.PRESSTESTSERVICE.R, 192.511(a) (192.143(a), 192.517(b), 192.143(b), 192.511(b), 192.511(c))
Question Text *Do records indicate that service line segments (other than plastic) were leak tested before being placed in service in compliance with the requirements of 192.511?*
Assets Covered Airgas Records & Field
Result Notes No such event occurred, or condition existed, in the scope of inspection review. No low pressure
147. Question Result, ID, NA, DC.PT.PRESSTESTENVIRON.R, 192.515(b) (192.629(a), 192.629(b)) (also presented in: DC.PT)
Question Text *Do records indicate while conducting tests under Subpart J " Test Requirements, the test medium disposal was conducted in a manner that minimized damage to the environment?*
Assets Covered Airgas Records & Field
Result Notes No such event occurred, or condition existed, in the scope of inspection review. No low pressure
148. Question Result, ID, NA, DC.PT.PRESSTESTSAFETY.R, 192.515(a) (192.629(a), 192.629(b)) (also presented in: DC.PT)
Question Text *Do records indicate while conducting tests under Subpart J " Test Requirements, every reasonable precaution was taken to protect its employees and the general public throughout the testing?*
Assets Covered Airgas Records & Field
Result Notes No such event occurred, or condition existed, in the scope of inspection review. No low pressure
149. Question Result, ID, NA, DC.PT.PRESSTESTRECORD.R, 192.517(a) (192.517(b)) (also presented in: DC.PT)
Question Text *Do records indicate creation and retention of a record for each Subpart J test performed for the required duration?*
Assets Covered Airgas Records & Field
Result Notes No such event occurred, or condition existed, in the scope of inspection review. No low pressure

DC.TQ: Training and Qualification

150. Question Result, ID, Sat, DC.TQ.ABNORMAL.R, 192.807(a) (192.803)
Question Text *Do records show evaluation of qualified individuals for recognition and reaction to AOCs?*
Assets Covered Airgas Records & Field
Result Notes Larry Chapman and Scott Moon are the only two Airgas employees that perform covered tasks on the pipeline. Reviewed each employees AOC recognition list.

151. Question Result, ID, References **Sat, DC.TQ.OQCONTRACTOR.R, 192.807(a) (Operators OQ program manual)**
 Question Text *Are qualification records maintained for contractor personnel?*
 Assets Covered **Airgas Records & Field**
 Result Notes **Airgas uses GMW Consulting, Inc to perform CP checks and leak surveys, employee GM Wendel is the only contract employee Airgas has. Qualification records were adequate.**
152. Question Result, ID, References **Sat, DC.TQ.RECORDS.R, 192.807(a) (Operators OQ program manual)**
 Question Text *Are qualification records maintained for operator personnel?*
 Assets Covered **Airgas Records & Field**
 Result Notes **Larry Chapman and Scott Moon are the only two Airgas employees that perform covered tasks on the pipeline. Records were adequate.**
153. Question Result, ID, References **Sat, DC.TQ.EXCAVATE.R, 192.807(a) (ADB-06-01)**
 Question Text *Do records demonstrate individuals who oversee marking, trenching and backfilling operations are qualified?*
 Assets Covered **Airgas Records & Field**
 Result Notes **Larry Chapman and Scott Moon are the only two Airgas employees that perform covered tasks on the pipeline. Records were adequate.**
154. Question Result, ID, References **NA, DC.TQ.HOTTAP.R, 192.807(a) (192.627)**
 Question Text *Do records document the qualification of personnel performing hot taps?*
 Assets Covered **Airgas Records & Field**
 Result Notes **No hot taps since the line was installed.**

EP.ERG: Emergency Response

155. Question Result, ID, References **Sat, EP.ERG.REVIEW.R, 192.605(a)**
 Question Text *Have annual reviews been conducted of the emergency plans and procedures as required, and any updates completed as appropriate?*
 Assets Covered **Airgas Records & Field**
 Result Notes **Reviewed Airgas ERP, updates have been clerical and phone numbers. 11/2018, 11/2019, 11/2020, were review dates.**
156. Question Result, ID, References **Sat, EP.ERG.LOCATION.O, 192.615(b)(1)**
 Question Text *Are supervisors provided the applicable portions of the emergency plan and procedures?*
 Assets Covered **Airgas Records & Field**
157. Question Result, ID, References **Sat, EP.ERG.NOTICES.R, 192.615(a)(1)**
 Question Text *Do records indicate receiving, identifying, classifying and communication of notices of events requiring immediate response in accordance with procedures?*
 Assets Covered **Airgas Records & Field**
158. Question Result, ID, References **Sat, EP.ERG.POSTEVTREVIEW.R, 192.605(a) (192.615(b)(1), 192.615(b)(3))**
 Question Text *Do records indicate review of employee activities to determine whether the procedures were effectively followed in each emergency?*
 Assets Covered **Airgas Records & Field**
 Result Notes **No emergencies in the past three years. Records indicated that procedures were followed during drills.**
159. Question Result, ID, References **Sat, EP.ERG.LIAISON.R, 192.605(a) (192.615(c)(1), 192.615(c)(2), 192.615(c)(3), 192.615(c)(4), 192.616(c), ADB-05-03) (also presented in: PD.PA)**
 Question Text *Do records indicate that liaison has been established and maintained with appropriate fire, police, public officials, and utility owners?*
 Assets Covered **Airgas Records & Field**

Result Notes Reviewed public liason list with the appropriate fire, police, public officials, and utility owners in the ERP. Phone numbers and names were included.

FS.FG: Facilities General

160. Question Result, ID, NA, FS.FG.VAULTINSPECT.R, 192.709(c) (192.749(a), 192.749(b), 192.749(c), 192.749(d)) (also References presented in: MO.GM)

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

Assets Covered Airgas Records & Field

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

IM.BA: Baseline Assessments

161. Question Result, ID, NA, IM.BA.BAENVIRON.R, 192.947(d) (192.911(o), 192.919(e)) References

Question Text *Do records demonstrate that integrity assessments have been conducted in a manner that minimizes environmental and safety risks?*

Assets Covered Airgas Records & Field

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

IM.CA: Continual Evaluation and Assessment

162. Question Result, ID, NA, IM.CA.REASSESSINTERVAL.R, 192.947(d) (192.937(a), 192.939(a), 192.939(b), 192.913(c)) References

Question Text *Do records demonstrate that reassessment intervals were established consistent with the requirements of the operator's processes?*

Assets Covered Airgas Records & Field

Result Notes No IM plan due to no HCAs along the pipeline

IM.HC: High Consequence Areas

163. Question Result, ID, NA, IM.HC.HCANEW.R, 192.947(d) (192.905(c)) References

Question Text *Do records demonstrate new information that impacts, or creates a new, high consequence area has been integrated with the integrity management program?*

Assets Covered Airgas Records & Field

Result Notes No IM plan due to no HCAs along the pipeline.

164. Question Result, ID, NA, IM.HC.HCADATA.O, 192.905(c) References

Question Text *Are HCAs correctly identified per up-to-date information?*

Assets Covered Airgas Records & Field

Result Notes No HCAs

IM.PM: Preventive and Mitigative Measures

165. Question Result, ID, NA, IM.PM.PMMGENERAL.R, 192.947(d) (192.935(a)) References

Question Text *Do records demonstrate that additional measures have been identified and implemented (or scheduled) beyond those already required by Part 192 to prevent a pipeline failure and to mitigate the consequences of a pipeline failure in an HCA?*

Assets Covered Airgas Records & Field

Result Notes No IM plan due to no HCAs along the pipeline.

MO.GC: Conversion to Service

166. Question Result, ID, References **NA, MO.GC.CONVERSION.R, 192.14(a) (192.14(b))**
Question Text *Do records indicate the process was followed for converting any pipelines into Part 192 service?*
Assets Covered **Airgas Records & Field**
Result Notes **No conversion to service.**

MO.GOABNORMAL: Gas Pipeline Abnormal Operations

167. Question Result, ID, References **NA, MO.GOABNORMAL.ABNORMAL.R, 192.605(a) (192.605(c)(1))**
Question Text *Did personnel respond to indications of abnormal operations as required by the process?*
Assets Covered **Airgas Records & Field**
Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
168. Question Result, ID, References **NA, MO.GOABNORMAL.ABNORMALREVIEW.R, 192.605(a) (192.605(c)(4))**
Question Text *Do records indicate periodic review of work done by operator personnel to determine the effectiveness of the abnormal operation processes and corrective action taken where deficiencies are found?*
Assets Covered **Airgas Records & Field**
Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**

MO.GOCLASS: Gas Pipeline Class Location

169. Question Result, ID, References **Sat, MO.GOCLASS.CLASSLOCATESTUDY.R, 192.605(b)(1) (192.609(a), 192.609(b), 192.609(c), 192.609(d), 192.609(e), 192.609(f))**
Question Text *Do records indicate performance of the required study whenever the population along a pipeline increased or there was an indication that the pipe hoop stress was not commensurate with the present class location?*
Assets Covered **Airgas Records & Field**
Result Notes **No class location studies were required due to the pipe operating below 40% SMYS. A recent class location study was performed in 2021 to determine population changes in the area. The class location study changed the line into two sections of class 3 and one section of class 1 along the sliding mile.**
170. Question Result, ID, References **Sat, MO.GO.CONTSURVEILLANCE.R, 192.709(c) (192.613(a), 192.613(b), 192.703(b), 192.703(c))** (also presented in: MO.GO)
Question Text *Do records indicate performance of continuing surveillance of facilities as required, and also the reconditioning, phasing out, or MAOP reduction in any pipeline segment that was determined to be in unsatisfactory condition but on which no immediate hazard existed?*
Assets Covered **Airgas Records & Field**
Result Notes **Reviewed patrol records from the last 3 years along with the new class location study done in 2020. There has not been any reconditioning, phasing out, or MAOP reduction on any pipeline segment that was determined to be in unsatisfactory condition but on which no immediate hazards existed**
171. Question Result, ID, References **NA, MO.GO.CONTSURVEILLANCE.O, 192.613(a) (192.613(b), 192.703(a), 192.703(b), 192.703(c))** (also presented in: MO.GO)
Question Text *Are unsatisfactory conditions being captured and addressed by continuing surveillance of facilities and the pipeline as required by 192.613?*
Assets Covered **Airgas Records & Field**
Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**

MO.GOMAOP: Gas Pipeline MAOP

172. Question Result, ID, References **Sat, MO.GOMAOP.MAOPDETERMINE.R, 192.709(c) (192.619(a), 192.619(b))**
Question Text *Do records indicate determination of the MAOP of pipeline segments in accordance with 192.619 and limiting of the operating pressure as required?*
Assets Covered **Airgas Records & Field**
Result Notes **MAOP for Airgas 2" pipeline is 294.6 psig, the pipeline operates at 185 psig. MAOP is concurrent with 192.619.**

173. Question Result, ID, References **Sat, MO.GOMAOP.MAOPLIMIT.R, 192.603(b) (192.605(b)(5))**
Question Text *Do records indicate operation within MAOP limits, plus the build-up allowed for operation of pressure-limiting and control devices, was assured while starting up and shutting down any part of the pipeline?*
Assets Covered **Airgas Records & Field**

MO.GM: Gas Pipeline Maintenance

174. Question Result, ID, References **Sat, MO.GM.RECORDS.R, 192.605(b)(1) (192.243(f), 192.709(a), 192.709(b), 192.709(c))** (also presented in: MO.GMOPP)
Question Text *Do records indicate that records are maintained of each pipe/"other than pipe" repair, NDT required record, and (as required by subparts L or M) patrol, survey, inspection or test?*
Assets Covered **Airgas Records & Field**
Result Notes **There have been no repairs on the pipe since install in 1997. Records of NDT, patrols, surveys, inspections, and tests are maintained.**
175. Question Result, ID, References **NA, MO.GM.IGNITION.R, 192.709 (192.751(a), 192.751(b), 192.751(c))**
Question Text *Do records indicate personnel followed processes for minimizing the danger of accidental ignition where the presence of gas constituted a hazard of fire or explosion?*
Assets Covered **Airgas Records & Field**
Result Notes **No such event occurred, or condition existed, in the scope of inspection review. The pipeline has not been exposed since install in 1997.**
176. Question Result, ID, References **Sat, MO.GM.VALVEINSPECT.R, 192.709(c) (192.745(a), 192.745(b))**
Question Text *Do records indicate proper inspection and partial operation of transmission line valves that may be required during an emergency as required and prompt remedial actions taken if necessary?*
Assets Covered **Airgas Records & Field**
Result Notes **Airgas has one DOT regulated valve, reviewed records from the last three years. No issues.**
177. Question Result, ID, References **Sat, MO.GM.VALVEINSPECT.O, 192.745(a) (192.745(b))**
Question Text *Are field inspection and partial operation of transmission line valves adequate?*
Assets Covered **Airgas Records & Field**
Result Notes **Larry Chapman performed valve operation on the only DOT regulated valve. His OQs were adequate and up to date.**
178. Question Result, ID, References **NA, FS.FG.VAULTINSPECT.R, 192.709(c) (192.749(a), 192.749(b), 192.749(c), 192.749(d))** (also presented in: FS.FG)
Question Text *Do records document the adequacy of inspections of all vaults having an internal volume ≥ 200 cubic feet (5.66 cubic meters) that house pressure regulating/limiting equipment?*
Assets Covered **Airgas Records & Field**
Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**
179. Question Result, ID, References **NA, MO.GM.EQUIPPLASTICJOINT.R, 192.603(b) (192.756)**
Question Text *Do records indicate equipment used in joining plastic pipe was maintained in accordance with the manufacturer's recommended practices or with written procedures that have been proven by test and experience to produce acceptable joints?*
Assets Covered **Airgas Records & Field**
Result Notes **No plastic pipe**
180. Question Result, ID, References **NA, MO.GM.EQUIPPLASTICJOINT.O, 192.756**
Question Text *Is proper maintenance being performed on equipment used in joining plastic pipe in accordance with the manufacturer's recommended practices or with written procedures that have been proven by test and experience to produce acceptable joints?*
Assets Covered **Airgas Records & Field**
Result Notes **No plastic**

MO.GOODOR: Gas Pipeline Odorization

181. Question Result, ID, References **NA, MO.GOODOR.ODORIZE.R, 192.709(c) (192.625(a), 192.625(b), 192.625(c), 192.625(d), 192.625(e), 192.625(f))**
Question Text *Do records indicate appropriate odorization of its combustible gases in accordance with its processes and conduct of the required testing to verify odorant levels met requirements?*
Assets Covered **Airgas Records & Field**
Result Notes **No such event occurred, or condition existed, in the scope of inspection review. Downstream customers would not be able to use the Hydrogen gas in cleaning processes if it were odorized.**

MO.GO: Gas Pipeline Operations

182. Question Result, ID, References **Sat, MO.GO.CONTSURVEILLANCE.R, 192.709(c) (192.613(a), 192.613(b), 192.703(b), 192.703(c))** (also presented in: MO.GOCLASS)
Question Text *Do records indicate performance of continuing surveillance of facilities as required, and also the reconditioning, phasing out, or MAOP reduction in any pipeline segment that was determined to be in unsatisfactory condition but on which no immediate hazard existed?*
Assets Covered **Airgas Records & Field**
Result Notes **Reviewed patrol records from the last 3 years along with the new class location study done in 2020. There has not been any reconditioning, phasing out, or MAOP reduction on any pipeline segment that was determined to be in unsatisfactory condition but on which no immediate hazards existed**
183. Question Result, ID, References **NA, MO.GO.CONTSURVEILLANCE.O, 192.613(a) (192.613(b), 192.703(a), 192.703(b), 192.703(c))** (also presented in: MO.GOCLASS)
Question Text *Are unsatisfactory conditions being captured and addressed by continuing surveillance of facilities and the pipeline as required by 192.613?*
Assets Covered **Airgas Records & Field**
Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
184. Question Result, ID, References **Sat, MO.GO.OMANNUALREVIEW.R, 192.605(a)**
Question Text *Has the operator conducted annual reviews of the written procedures or processes in the manual as required?*
Assets Covered **Airgas Records & Field**
Result Notes **The operator has conducted annual reviews of the O&M manual.**
185. Question Result, ID, References **Sat, MO.GO.OMEFFECTREVIEW.R, 192.605(a) (192.605(b)(8))**
Question Text *Do records indicate periodic review of the work done by operator personnel to determine the effectiveness, and adequacy of the processes used in normal operations and maintenance and modifying the processes when deficiencies are found?*
Assets Covered **Airgas Records & Field**
186. Question Result, ID, References **Sat, MO.GO.OMHISTORY.R, 192.605(a) (192.605(b)(3))**
Question Text *Are construction records, maps, and operating history available to appropriate operating personnel?*
Assets Covered **Airgas Records & Field**
187. Question Result, ID, References **Sat, MO.GO.OMHISTORY.O, 192.605(b)(3)**
Question Text *Are construction records, maps and operating history available to appropriate operating personnel?*
Assets Covered **Airgas Records & Field**
188. Question Result, ID, References **Sat, MO.GO.OMLOCATION.O, 192.605(a)**
Question Text *Are appropriate parts of the manual kept at locations where operations and maintenance activities are conducted?*
Assets Covered **Airgas Records & Field**
Result Notes **On-site and digitally**
189. Question Result, ID, References **NA, MO.GO.UPRATE.R, 192.553(b) (192.553(a), 192.553(c), 192.553(d))**

Question Text *Do records indicate the pressure uprating process was implemented per the requirements of 192.553?*
Assets Covered **Airgas Records & Field**
Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**

MO.GMOPP: Gas Pipeline Overpressure Protection

190. Question Result, ID, References **Sat, MO.GMOPP.PRESSREGCAP.R, 192.709(c) (192.743(a), 192.743(b), 192.743(c))**
Question Text *Do records indicate testing or review of the capacity of each pressure relief device at each pressure limiting station and pressure regulating station as required?*
Assets Covered **Airgas Records & Field**
Result Notes **Reviewed capacity relief calculations, they are adequate.**
191. Question Result, ID, References **Sat, MO.GM.RECORDS.R, 192.605(b)(1) (192.243(f), 192.709(a), 192.709(b), 192.709(c))** (also presented in: MO.GM)
Question Text *Do records indicate that records are maintained of each pipe/"other than pipe" repair, NDT required record, and (as required by subparts L or M) patrol, survey, inspection or test?*
Assets Covered **Airgas Records & Field**
Result Notes **There have been no repairs on the pipe since install in 1997. Records of NDT, patrols, surveys, inspections, and tests are maintained.**
192. Question Result, ID, References **Sat, MO.GMOPP.PRESSREGTEST.R, 192.709(c) (192.739(a), 192.739(b))**
Question Text *Do records indicate inspection and testing of pressure limiting, relief devices, and pressure regulating stations?*
Assets Covered **Airgas Records & Field**
Result Notes **Per 192.740, Airgas tests every 3 years. Records were adequate.**
193. Question Result, ID, References **Sat, MO.GMOPP.PRESSREGTEST.O, 192.739(a) (192.739(b), 192.743)**
Question Text *Are field or bench tests or inspections of regulating stations, pressure limiting stations or relief devices adequate?*
Assets Covered **Airgas Records & Field**

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

194. Question Result, ID, References **Sat, MO.RW.PATROL.R, 192.709(c) (192.705(a), 192.705(b), 192.705(c))** (also presented in: PD.RW)
Question Text *Do records indicate that ROW surface conditions have been patrolled as required?*
Assets Covered **Airgas Records & Field**
Result Notes **Reviewed patrol records from the last three years. ROW is patrolled quarterly.**
195. Question Result, ID, References **Sat, MO.RW.ROWMARKER.O, 192.707(a) (192.707(b), 192.707(c), 192.707(d))** (also presented in: PD.RW)
Question Text *Are line markers placed and maintained as required?*
Assets Covered **Airgas Records & Field**
196. Question Result, ID, References **Sat, MO.RW.ROWCONDITION.O, 192.705(a) (192.705(c))** (also presented in: PD.RW)
Question Text *Are the ROW conditions acceptable for the type of patrolling used?*
Assets Covered **Airgas Records & Field**
197. Question Result, ID, References **Sat, MO.RW.LEAKAGE.R, 192.709(c) (192.706, 192.706(a), 192.706(b), 192.935(d))**
Question Text *Do records indicate leakage surveys conducted as required?*
Assets Covered **Airgas Records & Field**
Result Notes **Leaks are performed monthly, reviewed leak reports from the last 3 years. No issues.**

PD.DP: Damage Prevention

198. Question Result, ID, References **Sat, PD.DP.PDPROGRAM.R, 192.614(c)**
Question Text *Does the damage prevention program meet minimum requirements specified in 192.614(c)?*
Assets Covered **Airgas Records & Field**
Result Notes **The damage prevention program meet minimum requirements specified in 192.614(c)**

PD.PA: Public Awareness

199. Question Result, ID, References **Sat, PD.PA.AUDIENCEID.R, 192.616(d) (192.616(e), 192.616(f), API RP 1162 Section 2.2, API RP 1162 Section 3)**
Question Text *Do records 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 to which it sends public awareness materials and messages?*
Assets Covered **Airgas Records & Field**
Result Notes **Airgas uses 3rd party vendor Paradigm for their PA. Records identified the four stakeholder audience groups, reviewed mailers and messages. No issues.**
200. Question Result, ID, References **Sat, EP.ERG.LIAISON.R, 192.605(a) (192.615(c)(1), 192.615(c)(2), 192.615(c)(3), 192.615(c)(4), 192.616(c), ADB-05-03) (also presented in: EP.ERG)**
Question Text *Do records indicate that liaison has been established and maintained with appropriate fire, police, public officials, and utility owners?*
Assets Covered **Airgas Records & Field**
Result Notes **Reviewed public liason list with the appropriate fire, police, public officials, and utility owners in the ERP. Phone numbers and names were included.**
201. Question Result, ID, References **Sat, PD.PA.LANGUAGE.R, 192.616(g) (API RP 1162 Section 2.3.1)**
Question Text *Were materials and messages developed and delivered in other languages commonly understood by a significant number and concentration of non-English speaking populations in the operator's areas?*
Assets Covered **Airgas Records & Field**
Result Notes **Messages are in English and Spanish.**

PD.RW: ROW Markers, Patrols, Monitoring

202. Question Result, ID, References **Sat, MO.RW.PATROL.R, 192.709(c) (192.705(a), 192.705(b), 192.705(c)) (also presented in: MO.RW)**
Question Text *Do records indicate that ROW surface conditions have been patrolled as required?*
Assets Covered **Airgas Records & Field**
Result Notes **Reviewed patrol records from the last three years. ROW is patrolled quarterly.**
203. Question Result, ID, References **Sat, MO.RW.ROWMARKER.O, 192.707(a) (192.707(b), 192.707(c), 192.707(d)) (also presented in: MO.RW)**
Question Text *Are line markers placed and maintained as required?*
Assets Covered **Airgas Records & Field**
204. Question Result, ID, References **Sat, MO.RW.ROWCONDITION.O, 192.705(a) (192.705(c)) (also presented in: MO.RW)**
Question Text *Are the ROW conditions acceptable for the type of patrolling used?*
Assets Covered **Airgas Records & Field**

RPT.RR: Regulatory Reporting (Traditional)

205. Question Result, ID, References **Sat, RPT.RR.ANNUALREPORT.R, 191.17(a)**
Question Text *Have complete and accurate Annual Reports utilizing the most recent form F 7 100.2-1 been submitted?*
Assets Covered **Airgas Records & Field**
Result Notes **Airgas annual reports were accurate, the most recent form was submitted. Annual reports were submitted within the required timeframe.**

206. Question Result, ID, References **NA, RPT.RR.IMMEDREPORT.R, 191.5(a) (191.7(a))**
 Question Text *Do records indicate immediate notifications of incidents were made in accordance with 191.5?*
 Assets Covered **Airgas Records & Field**
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
207. Question Result, ID, References **NA, RPT.RR.INCIDENTREPORT.R, 191.15(a) (192.624(a)(1), 192.624(a)(2))**
 Question Text *Do records indicate reportable incidents were identified and reports were submitted to DOT on the most recent Form within the required timeframe?*
 Assets Covered **Airgas Records & Field**
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
208. Question Result, ID, References **NA, RPT.RR.INCIDENTREPORTSUPP.R, 191.15(d)**
 Question Text *Do records indicate accurate supplemental incident reports were filed and within the required timeframe using the most recent Form?*
 Assets Covered **Airgas Records & Field**
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
209. Question Result, ID, References **NA, RPT.RR.SRCR.R, 191.23(a) (191.23(b), 191.25(a), 191.25(b), 191.25(c))**
 Question Text *Do records indicate safety-related condition reports were filed as required?*
 Assets Covered **Airgas Records & Field**
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
210. Question Result, ID, References **Sat, RPT.RR.NPMSANNUAL.R, 191.29(a) (191.29(b))**
 Question Text *Do records indicate NPMS submissions were completed each year, on or before March 15, representing all in service, idle and retired assets as of December 31 of the previous year (excludes distribution lines and gathering lines) occurred, and that if no modifications occurred, an email was submitted stating that fact?*
 Assets Covered **Airgas Records & Field**
 Result Notes **Submitted 3/2/21 for CY 2020, 2/12/2020 for CY 2019, 1/24/19 for CY 2018. There have been no changes.**
211. Question Result, ID, References **Sat, RPT.RR.OPID.R, 191.22(a) (191.22(c), 191.22(d))**
 Question Text *Do records indicate appropriate obtaining, and control of, Operator Identification Numbers (OPIDs), including changes in entity, acquisition/divestiture, and construction/update/uprate?*
 Assets Covered **Airgas Records & Field**
 Result Notes **Airgas OPID is 39624.**

TD.ATM: Atmospheric Corrosion

212. Question Result, ID, References **Sat, TD.ATM.ATMCORRODE.R, 192.491(c) (192.479(a), 192.479(b), 192.479(c))**
 Question Text *Do records document the protection of above ground pipe from atmospheric corrosion?*
 Assets Covered **Airgas Records & Field**
 Result Notes **Records documented the protection of above ground pipe from atmospheric corrosion. All above ground pipe is protected.**
213. Question Result, ID, References **Sat, TD.ATM.ATMCORRODEINSP.R, 192.491(c) (192.481(a), 192.481(b), 192.481(c))**
 Question Text *Do records document inspection of aboveground pipe for atmospheric corrosion?*
 Assets Covered **Airgas Records & Field**
 Result Notes **Atmospheric corrosion is checked annually, there weren't any issues.**
214. Question Result, ID, References **Sat, TD.ATM.ATMCORRODEINSP.O, 192.481(b) (192.481(c), 192.479(a), 192.479(b), 192.479(c))**
 Question Text *Is pipe that is exposed to atmospheric corrosion protected?*
 Assets Covered **Airgas Records & Field**

TD.CPMONITOR: External Corrosion - CP Monitoring

215. Question Result, ID, References **Sat, TD.CPMONITOR.CURRENTTEST.R, 192.491(c) (192.465(b))**
Question Text *Do records document details of electrical checks of sources of rectifiers or other impressed current sources?*
Assets Covered **Airgas Records & Field**
216. Question Result, ID, References **Sat, TD.CPMONITOR.MONITORCRITERIA.O, 192.465(a) (192.463(a))**
Question Text *Are methods used for taking CP monitoring readings that allow for the application of appropriate CP monitoring criteria?*
Assets Covered **Airgas Records & Field**
Result Notes **Airgas uses the -850mV criteria, on and off potentials were taken. Mike Wendell performed all cathodic protection related tasks, his OQs are adequate and up to date.**
217. Question Result, ID, References **Sat, TD.CPMONITOR.MONITORCRITERIA.R, 192.491(c) (192.463(a))**
Question Text *Do records document that the CP monitoring criteria used was acceptable?*
Assets Covered **Airgas Records & Field**
Result Notes **Airgas uses the -850 mV criteria.**
218. Question Result, ID, References **Sat, TD.CPMONITOR.TEST.R, 192.491(c) (192.465(a))**
Question Text *Do records adequately document cathodic protection monitoring tests have occurred as required?*
Assets Covered **Airgas Records & Field**
Result Notes **GMW Consulting Services employee GM Wendel performs all leak survey and CP surveys on the pipeline. CP surveys are performed monthly. Records were adequate.**
219. Question Result, ID, References **Sat, TD.CPMONITOR.CURRENTTEST.O, 192.465(b)**
Question Text *Are impressed current sources properly maintained and are they functioning properly?*
Assets Covered **Airgas Records & Field**
Result Notes **Airgas has a single rectifier for their line. Mike Wendell performed the checks, OQs adequate and up to date.**
220. Question Result, ID, References **NA, TD.CPMONITOR.REVCURRENTTEST.R, 192.491(c) (192.465(c))**
Question Text *Do records document details of electrical checks interference bonds, diodes, and reverse current switches?*
Assets Covered **Airgas Records & Field**
Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**
221. Question Result, ID, References **NA, TD.CPMONITOR.REVCURRENTTEST.O, 192.465(c)**
Question Text *Are interference bonds, diodes, and reverse current switches properly maintained and are they functioning properly?*
Assets Covered **Airgas Records & Field**
Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**
222. Question Result, ID, References **NA, TD.CPMONITOR.DEFICIENCY.R, 192.491(c) (192.465(d))**
Question Text *Do records adequately document actions taken to correct any identified deficiencies in corrosion control?*
Assets Covered **Airgas Records & Field**
Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
223. Question Result, ID, References **Sat, TD.CPMONITOR.TESTLEAD.R, 192.491(c) (192.471(a), 192.471(b), 192.471(c))**
Question Text *Do records document that pipelines with cathodic protection have electrical test leads installed in accordance with requirements of Subpart I?*
Assets Covered **Airgas Records & Field**
Result Notes **Test leads are installed in accordance with Subpart I.**

224. Question Result, ID, References **Sat, TD.CP.MONITOR.TESTLEAD.O, 192.471(a) (192.471(b), 192.471(c))**
 Question Text *Do pipelines with cathodic protection have electrical test leads installed in accordance with requirements of Subpart I?*
 Assets Covered **Airgas Records & Field**
225. Question Result, ID, References **NA, TD.CP.MONITOR.INTFRCURRENT.R, 192.491(c) (192.473(a))**
 Question Text *Do records document an effective program is in place to minimize detrimental effects of interference currents and that detrimental effects of interference currents from CP systems on other underground metallic structures are minimized?*
 Assets Covered **Airgas Records & Field**
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
226. Question Result, ID, References **NA, TD.CP.MONITOR.INTFRCURRENT.O, 192.473(a)**
 Question Text *Are areas of potential stray current identified, and if found, the detrimental effects of stray currents minimized?*
 Assets Covered **Airgas Records & Field**
 Result Notes **No stray currents**
227. Question Result, ID, References **Sat, TD.CP.RECORDS.R, 192.491(a)** (also presented in: TD.CP, TD.CPEXPOSED)
 Question Text *Do records indicate the location of all items listed in 192.491(a)?*
 Assets Covered **Airgas Records & Field**
 Result Notes **Maps of all test stations, casings and rectifiers are mapped.**

TD.CP: External Corrosion - Cathodic Protection

228. Question Result, ID, References **Sat, TD.CP.POST1971.R, 192.491(c) (192.455(a), 192.457(a), 192.452(a), 192.452(b))**
 Question Text *Do records document that each buried or submerged pipeline installed after July 31, 1971, has been 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 **Airgas Records & Field**
229. Question Result, ID, References **NA, TD.CP.PRE1971.O, 192.457(b)**
 Question Text *Are bare or coated pipes in compressor, regulator or meter stations installed before August 1, 1971 (except for cast and ductile iron lines) cathodically protected in areas where active corrosion was found in accordance with Subpart I or Part 192?*
 Assets Covered **Airgas Records & Field**
 Result Notes **No part of the facility was installed prior to 8/1/1971. The entire pipe is cathodically protected**
230. Question Result, ID, References **NA, TD.CP.UNPROTECT.R, 192.491(c) (192.465(e))**
 Question Text *Do records adequately document the re-evaluation of non-cathodically protected buried pipelines for areas of active corrosion?*
 Assets Covered **Airgas Records & Field**
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
231. Question Result, ID, References **NA, TD.CP.ELECISOLATE.R, 192.491(c) (192.467(a), 192.467(b), 192.467(c), 192.467(d), 192.467(e))**
 Question Text *Do records adequately document electrical isolation of each buried or submerged pipeline from other metallic structures unless they electrically interconnect and cathodically protect the pipeline and the other structures as a single unit?*
 Assets Covered **Airgas Records & Field**
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
232. Question Result, ID, References **NA, TD.CP.ELECISOLATE.O, 192.467(a) (192.467(b), 192.467(c), 192.467(d), 192.467(e))**

Question Text *Are measures performed to ensure electrical isolation of each buried or submerged pipeline from other metallic structures unless they electrically interconnect and cathodically protect the pipeline and the other structures as a single unit?*

Assets Covered Airgas Records & Field

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

233. Question Result, ID, References Sat, TD.CP.RECORDS.R, 192.491(a) (also presented in: TD.CPMONITOR, TD.CPEXPOSED)

Question Text *Do records indicate the location of all items listed in 192.491(a)?*

Assets Covered Airgas Records & Field

Result Notes Maps of all test stations, casings and rectifiers are mapped.

TD.COAT: External Corrosion - Coatings

234. Question Result, ID, References Sat, TD.COAT.NEWPIPE.R, 192.491(c) (192.455(a)(1), 192.461(a), 192.461(b), 192.483(a))

Question Text *Do records document that each buried or submerged pipeline installed after July 31, 1971 has been externally coated with a suitable coating material?*

Assets Covered Airgas Records & Field

Result Notes Airgas pipeline is 2" X42, .218" wall steel FBE coated pipe with joints wrapped with suitable material.

TD.CPEXPOSED: External Corrosion - Exposed Pipe

235. Question Result, ID, References NA, TD.CPEXPOSED.EXPOSEINSPECT.R, 192.491(c) (192.459)

Question Text *Do records adequately document that exposed buried piping was examined for corrosion and deteriorated coating?*

Assets Covered Airgas Records & Field

Result Notes No such event occurred, or condition existed, in the scope of inspection review. No new construction since pipeline was installed in 1997.

236. Question Result, ID, References NA, TD.CPEXPOSED.EXTCORRODEEVAL.R, 192.491(c) (192.485(a), 192.485(b), 192.485(c))

Question Text *Do records adequately document the evaluation of externally corroded pipe?*

Assets Covered Airgas Records & Field

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

237. Question Result, ID, References Sat, TD.CP.RECORDS.R, 192.491(a) (also presented in: TD.CPMONITOR, TD.CP)

Question Text *Do records indicate the location of all items listed in 192.491(a)?*

Assets Covered Airgas Records & Field

Result Notes Maps of all test stations, casings and rectifiers are mapped.

TD.ICP: Internal Corrosion - Preventive Measures

238. Question Result, ID, References NA, TD.ICP.EXAMINE.R, 192.491(c) (192.475(a), 192.475(b))

Question Text *Do records document examination of removed pipe for evidence of internal corrosion?*

Assets Covered Airgas Records & Field

Result Notes No internal corrosion

239. Question Result, ID, References NA, TD.ICP.EVALUATE.R, 192.491(c) (192.485(c))

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

Assets Covered Airgas Records & Field

Result Notes No internal corrosion.

240. Question Result, ID, References NA, TD.ICP.REPAIR.R, 192.485(a) (192.485(b))

Question Text *Do records document the repair or replacement of pipe that has been internally corroded to an extent that there is not sufficient remaining strength in the pipe wall?*

Assets Covered **Airgas Records & Field**

Result Notes **No internal corrosion.**

TD.ICCG: Internal Corrosion - Corrosive Gas

241. Question Result, ID, References **NA, TD.ICCG.CORRGAS.R, 192.491(c) (192.475(a))**

Question Text *Do the records demonstrate that the corrosive effect of the gas in the pipeline has been investigated and if determined to be corrosive, steps be taken to minimize internal corrosion?*

Assets Covered **Airgas Records & Field**

Result Notes **No internal corrosion**

242. Question Result, ID, References **NA, TD.ICCG.CORRGASACTION.R, 192.491(c) (192.477)**

Question Text *Do records document the actions taken when corrosive gas is being transported by pipeline?*

Assets Covered **Airgas Records & Field**

Result Notes **No internal corrosion.**

TQ.PROT9: OQ Protocol 9

243. Question Result, ID, References **Sat, TQ.PROT9.TASKPERFORMANCE.O, 192.801(a) (192.809(a))**

Question Text *Verify the qualified individuals performed the observed covered tasks in accordance with the operator's processes or operator approved contractor processes.*

Assets Covered **Airgas Records & Field**

244. Question Result, ID, References **Sat, TQ.PROT9.QUALIFICATIONSTATUS.O, 192.801(a) (192.809(a))**

Question Text *Verify the individuals performing the observed covered tasks are currently qualified to perform the covered tasks.*

Assets Covered **Airgas Records & Field**

Result Notes **Larry Chapman and Mike Wendell performed all OQ related tasks. Their OQs were adequate and up to date.**

245. Question Result, ID, References **Sat, TQ.PROT9.AOCRECOG.O, 192.801(a) (192.809(a))**

Question Text *Verify the individuals performing covered tasks are cognizant of the AOCs that are applicable to the tasks observed.*

Assets Covered **Airgas Records & Field**

Result Notes **Larry Chapman and Mike Wendell performed all OQ related tasks, they were cognizant of AOCs**

246. Question Result, ID, References **Sat, TQ.PROT9.VERIFYQUAL.O, 192.801(a) (192.809(a))**

Question Text *Observe in the field (job site, local office, etc.) that the foreman/supervisor/manager has verified the qualification of the individual performing the task, that the qualification records are current, and ensure the personal identification of all individuals performing covered tasks are checked, prior to task performance.*

Assets Covered **Airgas Records & Field**

Result Notes **Adequate**

TQ.OQ: Operator Qualification

247. Question Result, ID, References **Sat, TQ.OQ.OQCONTRACTOR.R, 192.807(a) (192.807(b))**

Question Text *Are adequate records containing the required elements maintained for contractor personnel?*

Assets Covered **Airgas Records & Field**

Result Notes **Airgas uses 1 contractor, GW Consulting for corrosion and leak survey. GM Wendel is the only contract employee performing surveys, OQs are adequate and up to date.**

248. Question Result, ID, References **Sat, TQ.OQ.RECORDS.R, 192.807**

Question Text *Do records document the evaluation and qualifications of individuals performing covered tasks, and can the qualification of individuals performing covered tasks be verified?*

Assets Covered **Airgas Records & Field**

Result Notes **Scott Moon and Larry Peterson are the only two Airgas employees that perform covered tasks on the pipeline. OQ records for both employees were adequate and up to date.**

TQ.QU: Qualification of Personnel - Specific Requirements

249. Question Result, ID, References **Sat, TQ.QU.CORROSION.R, 192.453 (192.807(a), 192.807(b))**

Question Text *Do records indicate qualification of personnel implementing pipeline corrosion control methods?*

Assets Covered **Airgas Records & Field**

Result Notes **Airgas uses 1 contractor, GW Consulting for corrosion and leak survey. GM Wendel is the only contract employee performing surveys, OQs are adequate and up to date.**

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

250. Question Result, ID, References **NA, TQ.QUOMCONST.NDT.R, 192.243(b)(2) (192.807(a), 192.807(b), 192.328(a), 192.328(b))**

Question Text *Do records indicate the qualification of nondestructive testing personnel?*

Assets Covered **Airgas Records & Field**

Result Notes **No NDT has been done since the installation in 1997.**

251. Question Result, ID, References **NA, TQ.QUOMCONST.WELDER.R, 192.227(a) (192.227(b), 192.229(a), 192.229(b), 192.229(c), 192.229(d), 192.328(a), 192.328(b), 192.807(a), 192.807(b))**

Question Text *Do records indicate that welders are adequately qualified?*

Assets Covered **Airgas Records & Field**

Result Notes **No welding has been performed since the install of the pipeline in 1997**

TQ.TR: Training of Personnel

252. Question Result, ID, References **Sat, TQ.TR.TRAINING.R, 192.615(b)(2) (192.807(a), 192.807(b))**

Question Text *Is training for emergency response personnel documented?*

Assets Covered **Airgas Records & Field**

Result Notes **Reviewed attendance sheets for emergency response training.**

Report Parameters: Results: all

Except as required to be disclosed by law, any inspection documentation, including completed protocol forms, summary reports, executive summary reports, and enforcement documentation are for internal use only by federal or state pipeline safety regulators. Some inspection documentation may contain information which the operator considers to be confidential. In addition, supplemental inspection guidance and related documents in the file library are also for internal use only by federal or state pipeline safety regulators (with the exception of documents published in the federal register, such as advisory bulletins). Do not distribute or otherwise disclose such material outside of the state or federal pipeline regulatory organizations. Requests for such information from other government organizations (including, but not limited to, NTSB, GAO, IG, or Congressional Staff) should be referred to PHMSA Headquarters Management.

Inspection Results (IRR)

Generated on 2021.July.27 12:52

- Airgas Records & Field (252)

Inspection Results Report (ALL Non-Empty Results) - Scp_PK Airgas Records & Field

Row	Asset	Result (Note 1)	Sub-Group	Question #	Question ID	References	Question Text
1.	(and 1 other asset)	NA	AR.IL	9.	AR.IL.ILIVALIDATE.R	192.947(g) (192.921(a)(1))	Do records demonstrate that the operator has validated ILI assessment results per their process?
2.	(and 1 other asset)	NA	AR.PTI	4.	AR.PTI.PRESSTESTRESULT.R	192.517(a) (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), 192.517(b), 192.617, 192.619(a), 192.919(e), 192.921(a)(2))	Do the test records validate the pressure test?
3.	(and 1 other asset)	NA	AR.RC	9.	AR.RC.SCHEDULEIMPL.R	192.947(f) (192.933(d))	Do records demonstrate that defects in covered segments were remediated (i.e., repair, pressure reduction, or notification to PHMSA) within the applicable mandatory time limits of 192.933(d)?
4.	(and 1 other asset)	Sat	AR.RMP	5.	AR.RMP.IGNITION.O	192.751(a) (192.751(b), 192.751(c))	Perform observations of selected locations to verify that adequate steps have been taken by the operator to minimize the potential for accidental ignition.
5.	(and 1 other asset)	NA	AR.RMP	11.	AR.RMP.METHOD.R	192.709(a) (192.713(a), 192.713(b), 192.717(a), 192.717(b), ASME B31.8S-2004 Section 7)	From the review of records, were all repairs performed in accordance with processes, applicable sections of 49 CFR Parts 192 and the guidance of ASME B31.8S-2004, Section 7, and the Pipeline Repair Manual, Revision 5?
6.	(and 1 other asset)	NA	AR.RMP	12.	AR.RMP.REPAIRQUAL.R	192.807(b) (192.805(h))	From the review of selected records, were personnel performing repairs, other than welding, and post repair tests qualified for the task they performed?

Inspection Results Report (ALL Non-Empty Results) - Scp_PK Airgas Records & Field

Row #	Assets	Result	(Note 1)	Sub-Group	Question #	Question ID	References	Question Text
7.	(and 1 other asset)	NA		AR.RMP	19.	AR.RMP.REPLACESTD.R	192.713(a) (Part 192 Subpart D)	From the review of records, were any components that were replaced constructed to the same or higher standards as the original component?
8.	(and 1 other asset)	NA		AR.RMP	21.	AR.RMP.FIELDREPAIRLEAK.R	192.717(a) (192.717(b))	From the review of records, did the operator properly repair leaks on transmission lines?
9.	(and 1 other asset)	NA		AR.RMP	25.	AR.RMP.WELDTEST.O	192.719(a) (192.719(b))	Does the operator properly test replacement pipe and repairs made by welding on transmission lines?
10.	(and 1 other asset)	NA		CR.CRMGEN	3.	CR.CRMGEN.CRMIMPLEMENT.R	192.631(a)(2)	Were procedures approved, in place, and implemented on or before the regulatory deadline?
11.	(and 1 other asset)	NA		CR.CRMRR	7.	CR.CRMRR.PRESSLIMITS.O	192.631(b)(2) (192.619(a), 192.631(e)(1))	Are controllers aware of the current MAOPs of all pipeline segments for which they are responsible, and have they been assigned the responsibility to maintain those pipelines at or below the MAOP?
12.	(and 1 other asset)	NA		CR.CRMRR	14.	CR.CRMRR.HANDOVERDOC.R	192.631(b)(4) (192.631(c)(5))	Are there records that document the hand-over of responsibility, document the time the actual hand-over of responsibility occurs, and the key information and topics that were communicated during the hand-over?
13.	(and 1 other asset)	NA		CR.CRMRR	20.	CR.CRMRR.OTHERAUTHORITYDISALLOW.R	192.631(b)(5)	Do records indicate that the policy disallowing others to have authority to direct or supersede the specific technical actions of a controller has been communicated to controllers and others?
14.	(and 1 other asset)	NA		CR.CRMRR	23.	CR.CRMRR.OTHERAUTHORITYQUAL.R	192.631(b)(5)	Do records indicate that others given authority to direct or supersede the specific technical actions of a controller were qualified?
15.	(and 1 other asset)	NA		CR.CRMRR	25.	CR.CRMRR.OTHERAUTHORITYLIST.R	192.631(b)(5)	Is a list of individuals with authority to direct or supersede the technical actions of a controller readily available to controllers?
16.	(and 1 other asset)	NA		CR.CRMRR	26.	CR.CRMRR.OTHERAUTHORITYIMPLEMENT.R	192.631(b)(5)	Do records adequately document occurrences of

Inspection Results Report (ALL Non-Empty Results) - Scp_PK Airgas Records & Field

Row	Assets	Result	(Note 1)	Sub-Group	Question #	Question ID	References	Question Text
	other asset)							when others authorized to direct or supersede the technical actions of a controller have done so?
17.	(and 1 other asset)	NA		CR.SCADA	5.	CR.SCADA.DISPLAYDYNAMICS.R	192.631(c)(1)	Has section 9 of API RP 1165 regarding display object dynamics been implemented?
18.	(and 1 other asset)	NA		CR.SCADA	6.	CR.SCADA.ADMINISTRATION.R	192.631(c)(1)	Have applicable paragraphs of section 11 of API RP 1165 administration been implemented?
19.	(and 1 other asset)	NA		CR.SCADA	7.	CR.SCADA.1165IMPRACTICAL.R	192.631(c)(1)	If any/all applicable paragraph(s) of API RP 1165 have not been implemented, has it been demonstrated and documented that the unimplemented provisions are impractical for the SCADA system used?
20.	(and 1 other asset)	NA		CR.SCADA	9.	CR.SCADA.SETPOINT.R	192.631(c)(2)	Do records indicate safety-related points have been adequately implemented?
21.	(and 1 other asset)	NA		CR.SCADA	11.	CR.SCADA.POINTVERIFY.R	192.631(c)(2)	Have required point-to-point verifications been performed?
22.	(and 1 other asset)	NA		CR.SCADA	13.	CR.SCADA.POINTVERIFYEXTENT.R	192.631(c)(2)	Do records demonstrate adequate thoroughness of the point-to-point verification?
23.	(and 1 other asset)	NA		CR.SCADA	15.	CR.SCADA.POINTVERFIYINTVL.R	192.631(c)(2)	Do records indicate the point-to-point verification has been completed at the required intervals?
24.	(and 1 other asset)	NA		CR.SCADA	18.	CR.SCADA.COMMPLAN.R	192.631(c)(3)	Has the internal communication plan been tested and verified for manual operation of the pipeline safely at least once each calendar year but at intervals not exceeding 15 months?
25.	(and 1 other asset)	NA		CR.SCADA	22.	CR.SCADA.BACKUPSCADATEST.R	192.631(c)(4)	Is the backup SCADA system tested at least once each calendar year at intervals not to exceed 15 months?
26.	(and 1 other asset)	NA		CR.SCADA	24.	CR.SCADA.BACKUPSCADAVERIFY.R	192.631(c)(4)	Does the testing verify that there are adequate processes in place for decision-making and internal communications to successfully implement a transition from primary SCADA to backup SCADA, and back to primary SCADA?

Inspection Results Report (ALL Non-Empty Results) - Scp_PK Airgas Records & Field

Row #	Assets	Result	(Note 1)	Sub-Group	Question #	Question ID	References	Question Text
27.	(and 1 other asset)	NA		CR.SCADA	25.	CR.SCADA.BACKUPSCADADEQUACY.R	192.631(c)(4)	If the back-up SCADA system is not designed to handle all the functionality of the main SCADA system, does the testing determine whether there are adequate procedures in place to account for displaced and/or different available functions during back-up operations?
28.	(and 1 other asset)	NA		CR.SCADA	28.	CR.SCADA.BACKUPSCADAFUNCTIONS.R	192.631(c)(4)	Is a representative sampling of critical functions in the back-up SCADA system being tested to ensure proper operation in the event the backup system is needed?
29.	(and 1 other asset)	NA		CR.SCADA	32.	CR.SCADA.PRESSRELIEFTEST.R	192.739(a) (192.631(b))	Do records indicate adequate inspection and testing for each pressure relieving device in a pressure limiting station?
30.	(and 1 other asset)	NA		CR.SCADA	34.	CR.SCADA.VALVETEST.R	192.709(c) (192.745(a))	If SCADA is used to operate valves, do records indicate the SCADA system was adequately involved in the testing to ensure valve operation?
31.	(and 1 other asset)	NA		CR.CRMFM	5.	CR.CRMFM.SHIFTLENGTH.R	192.631(d)(1)	Is the scheduled shift length less than or equal to 12 hours (not including shift hand-over) or is there a documented technical basis to show that shift lengths and schedule rotations are adequate to provide controllers off-duty time sufficient to achieve 8 hours of continuous sleep?
32.	(and 1 other asset)	NA		CR.CRMFM	6.	CR.CRMFM.SHIFTLENGTHTIME.R	192.631(d)(1)	Does the operator factor in all time the individual is working for the company when establishing shift lengths and schedule rotations or is there a documented technical basis to show that shift lengths and schedule rotations are adequate to provide controllers off-duty time sufficient to achieve 8 hours of continuous sleep?
33.	(and 1 other asset)	NA		CR.CRMFM	7.	CR.CRMFM.SCHEDULEDTIMEOFF.R	192.631(d)(1)	Are all scheduled periods of time off at least one hour longer than 8 hours

Inspection Results Report (ALL Non-Empty Results) - Scp_PK Airgas Records & Field

Row #	Asset #	Result	(Note 1)	Sub-Group	Qst #	Question ID	References	Question Text
	other asset)							plus commute time or is there a documented technical basis to show that shift lengths and schedule rotations are adequate to provide controllers off-duty time sufficient to achieve 8 hours of continuous sleep?
34.	(and 1 other asset)	NA		CR.CRMFM	9.	CR.CRMFM.ONCALLCONTROLLER.R	192.631(d)(1)	For controllers who are on call, does the operator minimize interrupting the required 8 hours of continuous sleep or is there a documented technical basis to show that shift lengths and schedule rotations are adequate to provide controllers off-duty time sufficient to achieve 8 hours of continuous sleep?
35.	(and 1 other asset)	NA		CR.CRMFM	14.	CR.CRMFM.WORKHOURS.R	192.631(d)(4)	For normal business hour type operations (i.e., five days per week), do records indicate shift start times no earlier than 6:00 a.m. and shift end times no later than 7:00 p.m.?
36.	(and 1 other asset)	NA		CR.CRMFM	23.	CR.CRMFM.FATIGUEEDUCATE.R	192.631(d)(2) (192.631(d)(3))	Is periodic fatigue education/training documented for all controllers and control room supervisors?
37.	(and 1 other asset)	NA		CR.CRMFM	28.	CR.CRMFM.FATIGUECONTENT.R	192.631(d)(3)	Has controller and supervisor training to recognize the effects of fatigue been documented?
38.	(and 1 other asset)	NA		CR.CRMAM	8.	CR.CRMAM.ALARMVERIFY.R	192.631(e)(2)	Do records verify that monthly reviews and analysis of alarm points have been performed?
39.	(and 1 other asset)	NA		CR.CRMAM	11.	CR.CRMAM.ALARMVALUEVERIFY.R	192.631(e)(3)	Do records demonstrate verification of correct safety-related alarm set-point values and alarm descriptors when associated field instruments are calibrated or changed and at least once each calendar year, but at intervals not to exceed 15 months?
40.	(and 1 other asset)	NA		CR.CRMAM	13.	CR.CRMAM.PLANREVIEW.R	192.631(e)(4)	Do records indicate review of the alarm management plan at least once each calendar year, but at intervals not exceeding 15 months, in

Inspection Results Report (ALL Non-Empty Results) - Scp_PK Airgas Records & Field

Row	Assets	Result	(Note 1)	Sub-Group	Question #	Question ID	References	Question Text
								order to determine the effectiveness of the plan?
41.	(and 1 other asset)	NA		CR.CRMAM	17.	CR.CRMAM.PERFORMANCEANALYSIS.R	192.631(e)(5)	Has an analysis been performed to determine if controller(s) performance is currently adequate?
42.	(and 1 other asset)	NA		CR.CRMAM	19.	CR.CRMAM.DEFICIENCIES.R	192.631(e)(6)	Do records indicate deficiencies found in implementing 192.631(e)(1) through 192.631(e)(5) have been resolved?
43.	(and 1 other asset)	NA		CR.CRMCMGT	3.	CR.CRMCMGT.CONTROLLERPARTICIPATE.R	192.631(f)(1) (192.631(f)(3))	Do records indicate that control room representative(s) participate in meetings where changes that could directly or indirectly affect the hydraulic performance or configuration of the pipeline (including routine maintenance and repairs) are being considered, designed and implemented?
44.	(and 1 other asset)	NA		CR.CRMCMGT	6.	CR.CRMCMGT.FIELDCHANGES.R	192.631(f)(2)	Do records indicate field personnel and SCADA support personnel contacted the control room when making field changes (for example, moving a valve) that affect control room operations?
45.	(and 1 other asset)	NA		CR.CRMEXP	2.	CR.CRMEXP.REPORTABLEINCIDENTREVIEW.R	192.631(g)(1)	Do records indicate reviews of reportable events specifically analyzed all contributing factors to determine if control room actions contributed to the event, and corrected any deficiencies?
46.	(and 1 other asset)	NA		CR.CRMEXP	4.	CR.CRMEXP.LESSONSLEARNED.R	192.631(g)(2) (192.631(b)(5))	Has operating experience review training been conducted on lessons learned from a broad range of events (reportable incidents/accidents, near misses, leaks, operational and maintenance errors, etc.)?
47.	(and 1 other asset)	NA		CR.CRMTRAIN	2.	CR.CRMTRAIN.CONTROLLERTRAIN.R	192.631(h)	Has a controller training program been implemented to provide training for each controller to carry out their roles and responsibilities?

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Row	Asset	Result	(Note 1)	Sub-Group	Question #	Question ID	References	Question Text
48.	(and 1 other asset)	NA		CR.CRMTRAIN	4.	CR.CRMTRAIN.TRAININGREVIEW.R	192.631(h)	Have processes been implemented to review the controller training program content to identify potential improvements at least once each calendar year, but at intervals not to exceed 15 months?
49.	(and 1 other asset)	NA		CR.CRMTRAIN	5.	CR.CRMTRAIN.TRAININGCONTENT.R	192.631(h)	Does training content address all required material, including training each controller to carry out the roles and responsibilities that were defined by the operator?
50.	(and 1 other asset)	NA		CR.CRMTRAIN	6.	CR.CRMTRAIN.AOCLIST.R	192.631(h)(1)	Has a list of the abnormal operating conditions that are likely to occur simultaneously or in sequence been established?
51.	(and 1 other asset)	NA		CR.CRMTRAIN	8.	CR.CRMTRAIN.TRAINING.R	192.631(h)(2)	Do records indicate the training program used a simulator or tabletop exercises to train controllers how to recognize and respond to abnormal operating conditions?
52.	(and 1 other asset)	NA		CR.CRMTRAIN	12.	CR.CRMTRAIN.INFREQOPSLIST.R	192.631(h)(5)	Has a list of pipeline operating setups that are periodically (but infrequently) used been established?
53.	(and 1 other asset)	NA		CR.CRMTRAIN	18.	CR.CRMTRAIN.TEAMTRAINEXERCISE.R	192.631(h)(6)	Do records indicate that training exercises were adequate and involved at least one qualified controller?
54.	(and 1 other asset)	NA		CR.CRMTRAIN	20.	CR.CRMTRAIN.TEAMTRAINIDENTINDIVIDUAL.R	192.631(h)(6)	Do records demonstrate that individuals identified as of January 23, 2018 received team training by January 23, 2019?
55.	(and 1 other asset)	NA		CR.CRMCOMP	2.	CR.CRMCOMP.SUBMITPROCEDURES.R	192.631(i)	Has the operator been responsive to requests from applicable agencies to submit their CRM procedures?
56.	(and 1 other asset)	NA		CR.CRMCOMP	3.	CR.CRMCOMP.CRMCOORDINATOR.R	192.631(i)	Is there an individual that is responsible and accountable for compliance with requests from PHMSA or other applicable agencies?
57.	(and 1 other asset)	NA		CR.CRMCOMP	5.	CR.CRMCOMP.RECORDS.R	192.631(j)(1)	Are records sufficient to demonstrate compliance with the CRM rule?
58.	(and 1 other asset)	NA		CR.CRMCOMP	6.	CR.CRMCOMP.ELECTRONICRECORDS.R	192.631(j)(1)	Are electronic records properly stored,

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Row	Asset	Result	(Note 1)	Sub-Group	Question #	Question ID	References	Question Text
	other asset)							safeguarded, and readily retrievable?
59.	(and 1 other asset)	NA		CR.CRMCOMP	8.	CR.CRMCOMP.DEVIATIONS.R	192.631(j)(2)	Were all deviations documented in a way that demonstrates they were necessary for safe operation?
60.	(and 1 other asset)	NA		CR.LD	1.	CR.LD.LDSYS.R	192.631(g)	Do records demonstrate the operator has identified, considered, or implemented leak detection measures to mitigate the consequences of a pipeline failure?
61.	(and 1 other asset)	NA		CR.LD	3.	CR.LD.FACILITY.R	192.605(b)(1) (192.613(a), 192.631(b))	Do records indicate continuing surveillance of facilities to determine and take appropriate action concerning failures/leakage history?
62.	(and 1 other asset)	NA		DC.CO	2.	DC.CO.INSPECTGEN.R	192.303 (192.305)	Do records indicate the pipeline is being inspected to ensure it is constructed in accordance with Part 192?
63.	(and 1 other asset)	NA		DC.CO	8.	DC.CO.PLASTICJOINT.R	192.281(a) (192.281(b), 192.281(c), 192.281(d), 192.281(e))	As applicable to the project, do records indicate that plastic pipe joints are installed in accordance with the requirements 192.281?
64.	(and 1 other asset)	NA		DC.CO	12.	DC.CO.PLASTICJOINTQUAL.R	192.285(d) (192.285(a), 192.285(b), 192.285(c), 192.807(a), 192.807(b))	Do records indicate persons making joints in plastic pipelines are qualified in accordance with 192.285?
65.	(and 1 other asset)	NA		DC.CO	15.	DC.CO.PLASTICJOINTINSP.R	192.287 (192.807(a), 192.807(b))	Do records indicate persons inspecting the making of plastic pipe joints have been qualified?
66.	(and 1 other asset)	NA		DC.CO	19.	DC.CO.INSPECTVISUAL.R	192.303 (192.307)	Do records demonstrate each length of pipe and each other component was visually inspected prior to installation in accordance with 192.307?
67.	(and 1 other asset)	NA		DC.CO	22.	DC.CO.REPAIR.R	192.309(a) (192.309(b), 192.309(c), 192.309(d), 192.309(e))	Do records demonstrate that repairs to steel pipe are being made in accordance with 192.309?
68.	(and 1 other asset)	NA		DC.CO	25.	DC.CO.REPAIRPLASTIC.R	192.311	Do records indicate that imperfections or damage of plastic pipe are repaired or removed?

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Row	Asset	Result	(Note 1)	Sub-Group	Qs t #	Question ID	References	Question Text
69.	(and 1 other asset)	NA		DC.CO	28.	DC.CO.FIELDXBEND.R	192.313(a) (192.313(b), 192.313(c))	Do records indicate that field bends are made in accordance with 192.313?
70.	(and 1 other asset)	NA		DC.CO	31.	DC.CO.WRINKLEBEND.R	192.315(a) (192.315(b))	Do records indicate that wrinkle bends were made in accordance with 192.315?
71.	(and 1 other asset)	Sat		DC.CO	34.	DC.CO.HAZARD.R	192.317(a) (192.317(b), 192.317(c), 192.603, 192.614, 192.709)	Do records demonstrate the installed transmission line or main is protected from hazards?
72.	(and 1 other asset)	NA	(2)	DC.CO	37.	DC.DPC.CCROTCOATLOWER.R	192.143(b) (192.461(c))	Do records indicate that each pipe segment with external protective coating was inspected just prior to lowering into the ditch and backfilling, and any damage detrimental to effective corrosion control was repaired?
73.	(and 1 other asset)	Sat		DC.CO	40.	DC.CO.INSTALL.R	192.303 (192.319(a), 192.319(b))	Do records demonstrate that piping was installed such that stresses are minimized and the coating is protected?
74.	(and 1 other asset)	NA		DC.CO	43.	DC.CO.INSTALLOFFSHORE.R	192.319(c)	Do records indicate certain offshore pipe was installed in accordance with 192.319(c)?
75.	(and 1 other asset)	NA		DC.CO	46.	DC.CO.INSTALLGOM.R	192.303 (192.319(c))	Do records indicate that certain pipe in the Gulf of Mexico and its inlets was installed to the burial depths required by 192.319(c)?
76.	(and 1 other asset)	NA		DC.CO	48.	DC.CO.INSTALLPLASTIC.R	192.321(a) (192.321(b), 192.321(c), 192.321(d), 192.321(e), 192.321(f), 192.321(g))	Do records indicate plastic pipe was installed as required by 192.321?
77.	(and 1 other asset)	Sat		DC.CO	51.	DC.CO.CLEAR.R	192.325(a) (192.325(b), 192.325(c), 192.325(d))	Do records indicate that transmission lines or mains are installed with clearances specified in 192.325, and (if plastic) installed as to prevent heat damage to the pipe?
78.	(and 1 other asset)	Sat		DC.CO	54.	DC.CO.COVERONSHORE.R	192.327(a) (192.327(b), 192.327(c), 192.327(d), 192.327(e))	Is onshore piping minimum cover provided as specified in 192.327?
79.	(and 1 other asset)	NA		DC.WELDINSP	2.	DC.WELDINSP.WELDVISUALQUAL.R	192.241 (192.225, 192.227, 192.229,	Does the operator have records showing that the welding was visually and/or non-destructively

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Row	Assets	Result	(Note 1)	Sub-Group	Question #	Question ID	References	Question Text
							192.231, 192.233, 192.243, 192.245)	tested according to the requirements of 192.241 and the operator's specifications or procedures?
80.	(and 1 other asset)	NA		DC.WELDINS	5.	DC.WELDINS.WELDNDR	192.243	Do records indicate that NDT and interpretation are in accordance with 192.243?
81.	(and 1 other asset)	NA		DC.WELDINS	8.	DC.WELDINS.WELDREPAIR.R	192.245 (192.303)	Do records indicate that unacceptable welds are removed and/or repaired in accordance with 192.245?
82.	(and 1 other asset)	NA		DC.WELDPROCEDURE	2.	DC.WELDPROCEDURE.WELD.R	192.225	Does the operator have detailed records showing proper qualification of the welding procedures in accordance with 192.225?
83.	(and 1 other asset)	NA		DC.WELDPROCEDURE	5.	DC.WELDPROCEDURE.WELDERQUAL.R	192.227 (192.225, 192.229)	Do the records demonstrate that the welders are qualified in accordance with applicable sections of API Standard 1104 or ASME BPVC, Section IX, and cover the limitations in 192.229?
84.	(and 1 other asset)	NA		DC.WELDPROCEDURE	8.	DC.WELDPROCEDURE.WELDWEATHER.R	192.231 (192.225, 192.227)	Does the operator have records that document weather conditions, suspension, protective measures, and resumption of the welding processes to prevent impairment of the quality of the completed weld?
85.	(and 1 other asset)	NA		DC.WELDPROCEDURE	11.	DC.WELDPROCEDURE.MITERJOINT.R	192.233	In the event that improper miter joints are installed, does the operator have records to indicate that the miter joints were removed as required by 192.233?
86.	(and 1 other asset)	NA		DC.WELDPROCEDURE	14.	DC.WELDPROCEDURE.WELDPREP.R	192.235	Do welding inspection records show that welding preparation was not performed according to 192.235 and the operator's specifications or procedures, or that identified issues were not corrected?
87.	(and 1 other asset)	Sat		DC.DP	3.	DC.DP.PIPEDESMAOP.R	192.105 (192.107, 192.109, 192.111, 192.113, 192.115)	Do design records and drawings indicate the design pressure of steel pipe is established in accordance with 192.105(a)?

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Row	Assets	Result	(Note 1)	Sub-Group	Question #	Question ID	References	Question Text
88.	(and 1 other asset)	Sat		DC.DP	5.	DC.DP.CLASSLOCATION.R	192.111 (192.5, 192.105, 192.609)	Does the operator have complete records showing the determination of class location(s) for the new pipeline?
89.	(and 1 other asset)	NA		DC.DP	11.	DC.DP.DESIGNPRESSPLASTIC.R	192.121	Do design records and drawings indicate the design pressure for plastic pipe is determined in accordance with the formulas in 192.121?
90.	(and 1 other asset)	NA		DC.DP	13.	DC.DP.DESIGNLIMITPLASTIC.R	192.123(a) (192.123(b), 192.123(c), 192.123(d), 192.123(e), 192.123(f))	Do design records and drawings indicate that the design limitations of 192.123 are incorporated into the design of plastic pipe?
91.	(and 1 other asset)	Sat		DC.DPCOPP	2.	DC.DPCOPP.OVERPRESSURE.R	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))	Do records indicate that the pipeline has pressure relieving or pressure limiting devices that are required by 192.195(a), and that they meet the requirements of 192.199 and 192.201?
92.	(and 1 other asset)	Sat		DC.DPCOPP	3.	DC.DPCOPP.OVERPRESSURE.O	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))	Are required pressure relieving or pressure limiting devices being installed, and do they meet the requirements of 192.199 and 192.201?
93.	(and 1 other asset)	Sat		DC.DPCOPP	5.	DC.DPCOPP.PRESSLIMIT.R	192.199(a) (192.199(b), 192.199(c), 192.199(d), 192.199(e), 192.199(f), 192.199(g), 192.199(h))	Do records indicate that pressure relieving or pressure limiting devices meet the requirements of 192.199?
94.	(and 1 other asset)	Sat		DC.DPCOPP	8.	DC.DPCOPP.PRESSLIMITCAP.R	192.201(a) (192.201(b), 192.201(c))	Do records indicate that pressure relief or pressure limiting stations being installed comply with 192.201?
95.	(and 1 other asset)	Sat		DC.DPC	2.	DC.DPC.METALCOMPONENT.R	192.144(a) (192.144(b), 192.607)	Do records indicate that certain metallic components are qualified for use in accordance with 192.144?
96.	(and 1 other asset)	Sat		DC.DPC	4.	DC.DPC.VALVE.R	192.145 (192.145(a),	Do records indicate valves comply with the

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Row	Asset	Result	(Note 1)	Sub-Group	Question #	Question ID	References	Question Text
	other asset)						192.145(b), 192.145(c), 192.145(d), 192.145(e), 192.145(f), 192.607)	requirements of AS192.145?
97.	(and 1 other asset)	Sat		DC.DPC	7.	DC.DPC.FLANGE.R	192.147 (192.147(a), 192.147(b), 192.147(c), 192.607)	Do records indicate flanges and flange accessories meet the requirements of AS192.147?
98.	(and 1 other asset)	Sat		DC.DPC	10.	DC.DPC.STANDARDFITTING.R	192.149 (192.149(a), 192.149(b), 192.149(c), 192.607)	Do records indicate standard fittings are in compliance with AS192.149?
99.	(and 1 other asset)	NA		DC.DPC	13.	DC.DPC.ILIPASS.R	192.150 (192.150(a), 192.150(c))	Do records indicate that certain transmission pipeline components are designed and constructed to accommodate the passage of instrumented internal inspection devices?
100.	(and 1 other asset)	NA		DC.DPC	16.	DC.DPC.TAP.R	192.151 (192.151(a), 192.151(b), 192.151(c).)	Do records indicate that tapping fittings and taps comply with the requirements of 192.151?
101.	(and 1 other asset)	Sat		DC.DPC	19.	DC.DPC.WELDFABRICATE.R	192.153(a) (192.153(b), 192.153(c), 192.153(d))	Do records indicate that components fabricated by welding are in accordance with 192.153?
102.	(and 1 other asset)	Sat		DC.DPC	22.	DC.DPC.FLEXIBLE.R	192.159	Do records indicate that pipeline flexibility is designed in accordance with 192.159?
103.	(and 1 other asset)	Sat		DC.DPC	23.	DC.DPC.SUPPORT.R	192.161(a) (192.161(b), 192.161(c), 192.161(d), 192.161(e), 192.161(f))	Do records indicate piping and associated equipment have sufficient anchors or supports to prevent undue strain on connected equipment, resist longitudinal forces, and prevent or dampen excessive vibration?
104.	(and 1 other asset)	Sat		DC.DPC	26.	DC.DPC.VALVESPACE.R	192.179(a) (192.179(a)(1), 192.179(a)(2), 192.179(a)(3), 192.179(a)(4), 192.179(b), 192.179(c), 192.179(d))	Do records indicate that transmission line valve spacing is in accordance with 192.179(a)?

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105	(and 1 other asset)	Sat		DC.DPC	27.	DC.DPC.VALVSPACE.O	192.141 (192.179(a), 192.179(b), 192.179(c), 192.179(d))	Are transmission line valves being installed as required by 192.179?
106	(and 1 other asset)	NA		DC.DPC	29.	DC.DPC.PLASTICFITTING.R	192.191(a) (192.191(b))	Do records indicate that plastic fittings conform to the standards referenced in 192.191?
107	(and 1 other asset)	NA		DC.DPC	34.	DC.DPC.VAULT.R	192.183(a) (192.183(b), 192.183(c))	As applicable to the project, do records indicate that vaults and valve pits are designed in accordance with 192.183?
108	(and 1 other asset)	NA		DC.DPC	37.	DC.DPC.VAULTACCESS.R	192.185(a) (192.185(b), 192.185(c))	As applicable to the project, do records indicate that vaults are located in an accessible location?
109	(and 1 other asset)	NA		DC.DPC	40.	DC.DPC.VAULTSEAL.R	192.187(a) (192.187(b), 192.187(c))	As applicable to the project, do records indicate that underground vaults or closed top pits are to be sealed, vented or ventilated as required by 192.187?
110	(and 1 other asset)	NA		DC.DPC	43.	DC.DPC.VAULTWATER.R	192.189(a) (192.189(b), 192.189(c))	As applicable to the project, do records indicate that underground vaults or pits are protected from water intrusion as required of 192.189?
111	(and 1 other asset)	NA		DC.DPC	46.	DC.DPC.INSTRUMENTPIPE.R	192.203(a) (192.203(b))	As applicable to the project, do records indicate that instrument, control, and sampling pipe and components are designed in accordance with 192.203?
112	(and 1 other asset)	NA		DC.DPC	49.	DC.DPC.INTCORRODE.R	192.476(d) (192.476(b), 192.476(c), 192.476(a))	Do records demonstrate the transmission line project has features incorporated into its design and construction to reduce the risk of internal corrosion, as required of 192.476?
113	(and 1 other asset)	NA		DC.DPC	50.	DC.DPC.INTCORRODE.O	192.476(a) (192.476(b), 192.476(c))	Does the transmission project's design and construction comply with 192.476?
114	(and 1 other asset)	Sat		DC.DPC	52.	DC.DPC.CCROTCOATSURFPREP.R	192.143(b) (192.461(a), 192.309(a), 192.491(c))	Do records indicate that each protective coating applied for the purpose of external corrosion control was applied on a properly prepared surface?

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Row #	Asset #	Result	(Note 1)	Sub-Group	Question #	Question ID	References	Question Text
115	(and 1 other asset)	Sat		DC.DPC	55.	DC.DPC.CCPROTCOATPROP.R	192.143(b) (192.461(a)(2), 192.461(a)(3), 192.461(a)(4), 192.461(a)(5), 192.461(b),)	Do records indicate that that each protective coating applied for the purpose of external corrosion control has 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?
116	(and 1 other asset)	NA	(2)	DC.DPC	58.	DC.DPC.CCPROTCOATLOWER.R	192.143(b) (192.461(c))	Do records indicate that each pipe segment with external protective coating was inspected just prior to lowering into the ditch and backfilling, and any damage detrimental to effective corrosion control was repaired?
117	(and 1 other asset)	Sat		DC.DPC	61.	DC.DPC.CCPROTCOATINGINDITCH.R	192.143(b) (192.461(d))	Do operator's records indicate that each external protective coating was protected from damage resulting from adverse ditch conditions or damage from supporting blocks?
118	(and 1 other asset)	Sat		DC.DPC	64.	DC.DPC.CCPROTCOATBORING.R	192.143(b) (192.461(e))	Do records indicate that precautions were taken to minimize damage to the coating during installation, if coated pipe is installed by boring, driving, or other similar method?
119	(and 1 other asset)	Sat		DC.DPC	67.	DC.DPC.CORROSIONQUAL.R	192.491 (192.143(b), 192.453)	Do records verify that the design and installation of cathodic protection systems, were carried out by, or under the direction of, a person qualified in pipeline corrosion control methods?
120	(and 1 other asset)	Sat		DC.DPC	70.	DC.DPC.CCCATHPROTDES.R	192.463(a) (192.143(b))	Do operator's records indicate that the cathodic protection system was designed and installed to comply with one or more of the applicable criteria

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Row	Asset	Result	(Note 1)	Sub-Group	Question #	Question ID	References	Question Text
								contained in Appendix D of Part 192?
121	(and 1 other asset)	Sat		DC.DPC	73.	DC.DPC.CCCATHPROTLEVEL.R	192.491 (192.143(b), 192.463(c))	Do records verify that the amount of cathodic protection was designed and installed so as not to damage the protective coating or the pipe?
122	(and 1 other asset)	Sat		DC.DPC	76.	DC.DPC.CCELECTRICALISOL.R	192.467(c) (192.143(b),)	Do operator's records indicate that each pipeline was electrically isolated from metallic casings that are a part of the underground system?
123	(and 1 other asset)	Sat		DC.DPC	79.	DC.DPC.CCELECTRISOLSTRUCT.R	192.143(b) (192.467(a), 192.467(b), 192.467(d), 192.467(e), 192.467(f), NACE RPO169, NACE SP0200-2008)	Do records indicate that each buried or submerged pipeline was electrically isolated from other underground metallic structures?
124	(and 1 other asset)	Sat		DC.DPC	82.	DC.DPC.CCEXTRNLPROT.R	192.143(b) (192.455(a))	Do records document that each buried or submerged pipeline installed after July 31, 1971, has been protected against external corrosion with a cathodic protection system within one year after completion of construction, conversion to service, or becoming jurisdictional onshore gathering?
125	(and 1 other asset)	NA		DC.MO	2.	DC.MO.ICEXAMINE.R	192.491(c) (192.475(a), 192.475(b), 192.475(c))	Do records indicate examination of removed pipe for evidence of internal corrosion?
126	(and 1 other asset)	Sat		DC.MO	5.	DC.MO.MAOPLIMIT.R	192.605(b)(5)	Do records indicate that the pressure limitations on the pipeline are not exceeded?
127	(and 1 other asset)	Sat		DC.MO	6.	DC.MO.MAOPLIMIT.O	192.605(b)(5)	During startup or shut-in, is it assured that the pressure limitations on the pipeline were not exceeded?
128	(and 1 other asset)	NA		DC.MO	10.	DC.MO.HOTTAP.R	192.627	Do records indicate that hot taps are performed in accordance with hot tap procedures?
129	(and 1 other asset)	Sat		DC.MO	13.	DC.MO.SAFETY.R	192.605(b) (192.605(b)(9))	Do records indicate that pipeline maintenance construction and testing activities are performed in a safe manner?

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Row	Asset	Result	(Note 1)	Sub-Group	Question #	Question ID	References	Question Text
130	(and 1 other asset)	Sat		DC.MA	2.	DC.MA.GEN.R	192.53 (192.55, 192.59, 192.63)	Does the operator have records showing that materials for pipe and components have met the requirements of 192.53?
131	(and 1 other asset)	Sat		DC.MA	4.	DC.MA.STEELPIPE.R	192.55(a) (192.55(b), 192.55(c), 192.55(d), 192.55(e))	Does the operator have records showing that the steel pipe is qualified for use under Part 192 according to 192.55? (see considerations for requirements of 192.55)
132	(and 1 other asset)	NA		DC.MA	7.	DC.MA.PLASTIC.R	192.53 (192.59)	Do records indicate that plastic pipe is qualified in accordance with 192.59?
133	(and 1 other asset)	Sat		DC.MA	10.	DC.MA.MARKING.R	192.63	Do records indicate that pipe, valves, and fittings were marked as required?
134	(and 1 other asset)	NA		DC.MA	13.	DC.MA.RAILTRANSPORT.R	192.65(a)	Does the operator have records showing that railroad transportation for certain pipe (see considerations) was in accordance with 192.65(a) and API RP 5L1?
135	(and 1 other asset)	NA		DC.MA	16.	DC.MA.BARGETRANSPORT.R	192.65(b)	Does the operator have records showing that ship or barge transportation for certain pipe (see considerations) is in accordance with 192.65(b) and API RP 5LW?
136	(and 1 other asset)	Sat		DC.MA	19.	DC.MA.TRUCKTRANSPORT.R	192.65(c)	Does the operator have records showing that truck transportation for certain pipe (see considerations) is in accordance with 192.65(c) and API RP 5LT?
137	(and 1 other asset)	NA	(2)	DC.PT	2.	DC.PT.PRESSTEST.R	192.503(a) (192.503(b), 192.503(c), 192.503(d), 192.503(e))	Do records indicate that pressure testing is conducted in accordance with 192.503?
138	(and 1 other asset)	NA		DC.PT	5.	DC.PT.PRESSTESTHIGHSTRESS.R	192.505(a) (192.143(a), 192.517(a), 192.505(b), 192.505(c), 192.505(d), 192.143(b), 192.143(c))	Do records indicate that the sections of a pipeline operating at a hoop stress equal to or greater than 30% of SMYS were strength tested in accordance with the requirements of 192.505?
139	(and 1 other asset)	Sat		DC.PT	8.	DC.PT.PRESSTESTPLASTIC.R	192.513(a) (192.143(a), 192.517(b), 192.513(c),	Do records indicate that the sections of a plastic pipeline were tested in accordance with the

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Row	Assets	Result	(Note 1)	Sub-Group	Question #	Question ID	References	Question Text
							192.513(d), 192.143(b), 192.143(c))	requirements of 192.513?
140	(and 1 other asset)	NA	(2)	DC.PT	11.	DC.PT.PRESSTESTENVIRON.R	192.515(b) (192.629(a), 192.629(b))	Do records indicate while conducting tests under Subpart J " Test Requirements, the test medium disposal was conducted in a manner that minimized damage to the environment?
141	(and 1 other asset)	NA	(2)	DC.PT	14.	DC.PT.PRESSTESTSAFETY.R	192.515(a) (192.629(a), 192.629(b))	Do records indicate while conducting tests under Subpart J " Test Requirements, every reasonable precaution was taken to protect its employees and the general public throughout the testing?
142	(and 1 other asset)	NA	(2)	DC.PT	17.	DC.PT.PRESSTESTRECORD.R	192.517(a) (192.517(b))	Do records indicate creation and retention of a record for each Subpart J test performed for the required duration?
143	(and 1 other asset)	NA	(2)	DC.PTLOWPRESS	2.	DC.PT.PRESSTEST.R	192.503(a) (192.503(b), 192.503(c), 192.503(d), 192.503(e))	Do records indicate that pressure testing is conducted in accordance with 192.503?
144	(and 1 other asset)	NA		DC.PTLOWPRESS	5.	DC.PTLOWPRESS.PRESSTESTLOWSTRESS.R	192.507 (192.505, 192.515, 192.517, ANSI/GPTC Z380.1-2018 Appendix G-192-9)	Do records indicate 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 were tested in accordance with the requirements of 192.507?
145	(and 1 other asset)	NA		DC.PTLOWPRESS	8.	DC.PTLOWPRESS.PRESSTEST100PSIG.R	192.509 (192.143, 192.517)	Do records indicate that the sections of a pipeline operated below 100 psig were leak tested in accordance with the section requirements of 192.509 (except for service lines and plastic pipelines)?
146	(and 1 other asset)	NA		DC.PTLOWPRESS	11.	DC.PTLOWPRESS.PRESSTESTSERVICE.R	192.511(a) (192.143(a), 192.517(b), 192.143(b), 192.511(b), 192.511(c))	Do records indicate that service line segments (other than plastic) were leak tested before being placed in service in compliance with the requirements of 192.511?
147	(and 1 other asset)	NA	(2)	DC.PTLOWPRESS	14.	DC.PT.PRESSTESTENVIRON.R	192.515(b) (192.629(a), 192.629(b))	Do records indicate while conducting tests under Subpart J " Test Requirements, the test medium disposal was

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Row	Asset	Result	(Note 1)	Sub-Group	Question #	Question ID	References	Question Text
								conducted in a manner that minimized damage to the environment?
148	(and 1 other asset)	NA	(2)	DC.PTLOWPRESS	17.	DC.PT.PRESSTESTSAFETY.R	192.515(a) (192.629(a), 192.629(b))	Do records indicate while conducting tests under Subpart J "Test Requirements, every reasonable precaution was taken to protect its employees and the general public throughout the testing?
149	(and 1 other asset)	NA	(2)	DC.PTLOWPRESS	20.	DC.PT.PRESSTESTRECORD.R	192.517(a) (192.517(b))	Do records indicate creation and retention of a record for each Subpart J test performed for the required duration?
150	(and 1 other asset)	Sat		DC.TQ	2.	DC.TQ.ABNORMAL.R	192.807(a) (192.803)	Do records show evaluation of qualified individuals for recognition and reaction to AOCs?
151	(and 1 other asset)	Sat		DC.TQ	3.	DC.TQ.OQCONTRACTOR.R	192.807(a) (Operators OQ program manual)	Are qualification records maintained for contractor personnel?
152	(and 1 other asset)	Sat		DC.TQ	5.	DC.TQ.RECORDS.R	192.807(a) (Operators OQ program manual)	Are qualification records maintained for operator personnel?
153	(and 1 other asset)	Sat		DC.TQ	7.	DC.TQ.EXCAVATE.R	192.807(a) (ADB-06-01)	Do records demonstrate individuals who oversee marking, trenching and backfilling operations are qualified?
154	(and 1 other asset)	NA		DC.TQ	9.	DC.TQ.HOTTAP.R	192.807(a) (192.627)	Do records document the qualification of personnel performing hot taps?
155	(and 1 other asset)	Sat		EP.ERG	2.	EP.ERG.REVIEW.R	192.605(a)	Have annual reviews been conducted of the emergency plans and procedures as required, and any updates completed as appropriate?
156	(and 1 other asset)	Sat		EP.ERG	3.	EP.ERG.LOCATION.O	192.615(b)(1)	Are supervisors provided the applicable portions of the emergency plan and procedures?
157	(and 1 other asset)	Sat		EP.ERG	6.	EP.ERG.NOTICES.R	192.615(a)(1)	Do records indicate receiving, identifying, classifying and communication of notices of events requiring immediate response in accordance with procedures?
158	(and 1 other asset)	Sat		EP.ERG	20.	EP.ERG.POSTEVTNREVIEW.R	192.605(a) (192.615(b)(1),	Do records indicate review of employee activities to determine

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Row	Asset	Result	(Note 1)	Sub-Group	Question #	Question ID	References	Question Text
	other asset)						192.615(b)(3))	whether the procedures were effectively followed in each emergency?
159	(and 1 other asset)	Sat	(2)	EP.ERG	22.	EP.ERG.LIAISON.R	192.605(a) (192.615(c)(1), 192.615(c)(2), 192.615(c)(3), 192.615(c)(4), 192.616(c), ADB-05-03)	Do records indicate that liaison has been established and maintained with appropriate fire, police, public officials, and utility owners?
160	(and 1 other asset)	NA	(2)	FS.FG	4.	FS.FG.VAULTINSPECT.R	192.709(c) (192.749(a), 192.749(b), 192.749(c), 192.749(d))	Do records document the adequacy of inspections of all vaults having an internal volume of 200 cubic feet (5.66 cubic meters) that house pressure regulating/limiting equipment?
161	(and 1 other asset)	NA		IM.BA	2.	IM.BA.BAENVIRON.R	192.947(d) (192.911(o), 192.919(e))	Do records demonstrate that integrity assessments have been conducted in a manner that minimizes environmental and safety risks?
162	(and 1 other asset)	NA		IM.CA	6.	IM.CA.REASSESSINTERVAL.R	192.947(d) (192.937(a), 192.939(a), 192.939(b), 192.913(c))	Do records demonstrate that reassessment intervals were established consistent with the requirements of the operator's processes?
163	(and 1 other asset)	NA		IM.HC	6.	IM.HC.HCANEW.R	192.947(d) (192.905(c))	Do records demonstrate new information that impacts, or creates a new, high consequence area has been integrated with the integrity management program?
164	(and 1 other asset)	NA		IM.HC	13.	IM.HC.HCADATA.O	192.905(c)	Are HCAs correctly identified per up-to-date information?
165	(and 1 other asset)	NA		IM.PM	2.	IM.PM.PMMGENERAL.R	192.947(d) (192.935(a))	Do records demonstrate that additional measures have been identified and implemented (or scheduled) beyond those already required by Part 192 to prevent a pipeline failure and to mitigate the consequences of a pipeline failure in an HCA?
166	(and 1 other asset)	NA		MO.GC	2.	MO.GC.CONVERSION.R	192.14(a) (192.14(b))	Do records indicate the process was followed for converting any pipelines into Part 192 service?

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167	(and 1 other asset)	NA		MO.GOABNORMAL	2.	MO.GOABNORMAL.ABNORMAL.R	192.605(a) (192.605(c)(1))	Did personnel respond to indications of abnormal operations as required by the process?
168	(and 1 other asset)	NA		MO.GOABNORMAL	6.	MO.GOABNORMAL.ABNORMALREVIEW.R	192.605(a) (192.605(c)(4))	Do records indicate periodic review of work done by operator personnel to determine the effectiveness of the abnormal operation processes and corrective action taken where deficiencies are found?
169	(and 1 other asset)	Sat		MO.GOCLASS	6.	MO.GOCLASS.CLASSLOCATESTUDY.R	192.605(b)(1) (192.609(a), 192.609(b), 192.609(c), 192.609(d), 192.609(e), 192.609(f))	Do records indicate performance of the required study whenever the population along a pipeline increased or there was an indication that the pipe hoop stress was not commensurate with the present class location?
170	(and 1 other asset)	Sat	(2)	MO.GOCLASS	7.	MO.GO.CONTSURVEILLANCE.R	192.709(c) (192.613(a), 192.613(b), 192.703(b), 192.703(c))	Do records indicate performance of continuing surveillance of facilities as required, and also the reconditioning, phasing out, or MAOP reduction in any pipeline segment that was determined to be in unsatisfactory condition but on which no immediate hazard existed?
171	(and 1 other asset)	NA	(2)	MO.GOCLASS	8.	MO.GO.CONTSURVEILLANCE.O	192.613(a) (192.613(b), 192.703(a), 192.703(b), 192.703(c))	Are unsatisfactory conditions being captured and addressed by continuing surveillance of facilities and the pipeline as required by 192.613?
172	(and 1 other asset)	Sat		MO.GOMAOP	3.	MO.GOMAOP.MAOPDETERMINE.R	192.709(c) (192.619(a), 192.619(b))	Do records indicate determination of the MAOP of pipeline segments in accordance with 192.619 and limiting of the operating pressure as required?
173	(and 1 other asset)	Sat		MO.GOMAOP	4.	MO.GOMAOP.MAOPLIMIT.R	192.603(b) (192.605(b)(5))	Do records indicate operation within MAOP limits, plus the build-up allowed for operation of pressure-limiting and control devices, was assured while starting up and shutting down any part of the pipeline?
174	(and 1 other asset)	Sat	(2)	MO.GM	4.	MO.GM.RECORDS.R	192.605(b)(1) (192.243(f), 192.709(a),	Do records indicate that records are maintained of each pipe/"other than pipe" repair, NDT required record, and (as

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Row	Asset	Result	(Note 1)	Sub-Group	Question #	Question ID	References	Question Text
							192.709(b), 192.709(c))	required by subparts L or M) patrol, survey, inspection or test?
175	(and 1 other asset)	NA		MO.GM	6.	MO.GM.IGNITION.R	192.709 (192.751(a), 192.751(b), 192.751(c))	Do records indicate personnel followed processes for minimizing the danger of accidental ignition where the presence of gas constituted a hazard of fire or explosion?
176	(and 1 other asset)	Sat		MO.GM	10.	MO.GM.VALVEINSPECT.R	192.709(c) (192.745(a), 192.745(b))	Do records indicate proper inspection and partial operation of transmission line valves that may be required during an emergency as required and prompt remedial actions taken if necessary?
177	(and 1 other asset)	Sat		MO.GM	11.	MO.GM.VALVEINSPECT.O	192.745(a) (192.745(b))	Are field inspection and partial operation of transmission line valves adequate?
178	(and 1 other asset)	NA	(2)	MO.GM	13.	FS.FG.VAULTINSPECT.R	192.709(c) (192.749(a), 192.749(b), 192.749(c), 192.749(d))	Do records document the adequacy of inspections of all vaults having an internal volume of 200 cubic feet (5.66 cubic meters) that house pressure regulating/limiting equipment?
179	(and 1 other asset)	NA		MO.GM	18.	MO.GM.EQUIPPLASTICJOINT.R	192.603(b) (192.756)	Do records indicate equipment used in joining plastic pipe was maintained in accordance with the manufacturer's recommended practices or with written procedures that have been proven by test and experience to produce acceptable joints?
180	(and 1 other asset)	NA		MO.GM	19.	MO.GM.EQUIPPLASTICJOINT.O	192.756	Is proper maintenance being performed on equipment used in joining plastic pipe in accordance with the manufacturer's recommended practices or with written procedures that have been proven by test and experience to produce acceptable joints?
181	(and 1 other asset)	NA		MO.GOODOR	2.	MO.GOODOR.ODORIZE.R	192.709(c) (192.625(a), 192.625(b), 192.625(c), 192.625(d), 192.625(e), 192.625(f))	Do records indicate appropriate odorization of its combustible gases in accordance with its processes and conduct of the required testing to

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Row	Assets	Result	(Note 1)	Sub-Group	Qst #	Question ID	References	Question Text
								verify odorant levels met requirements?
182	(and 1 other asset)	Sat	(2)	MO.GO	2.	MO.GO.CONTSURVEILLANCE.R	192.709(c) (192.613(a), 192.613(b), 192.703(b), 192.703(c))	Do records indicate performance of continuing surveillance of facilities as required, and also the reconditioning, phasing out, or MAOP reduction in any pipeline segment that was determined to be in unsatisfactory condition but on which no immediate hazard existed?
183	(and 1 other asset)	NA	(2)	MO.GO	3.	MO.GO.CONTSURVEILLANCE.O	192.613(a) (192.613(b), 192.703(a), 192.703(b), 192.703(c))	Are unsatisfactory conditions being captured and addressed by continuing surveillance of facilities and the pipeline as required by 192.613?
184	(and 1 other asset)	Sat		MO.GO	6.	MO.GO.OMANNUALREVIEW.R	192.605(a)	Has the operator conducted annual reviews of the written procedures or processes in the manual as required?
185	(and 1 other asset)	Sat		MO.GO	8.	MO.GO.OMEFFECTREVIEW.R	192.605(a) (192.605(b)(8))	Do records indicate periodic review of the work done by operator personnel to determine the effectiveness, and adequacy of the processes used in normal operations and maintenance and modifying the processes when deficiencies are found?
186	(and 1 other asset)	Sat		MO.GO	10.	MO.GO.OMHISTORY.R	192.605(a) (192.605(b)(3))	Are construction records, maps, and operating history available to appropriate operating personnel?
187	(and 1 other asset)	Sat		MO.GO	11.	MO.GO.OMHISTORY.O	192.605(b)(3)	Are construction records, maps and operating history available to appropriate operating personnel?
188	(and 1 other asset)	Sat		MO.GO	12.	MO.GO.OMLOCATION.O	192.605(a)	Are appropriate parts of the manual kept at locations where operations and maintenance activities are conducted?
189	(and 1 other asset)	NA		MO.GO	18.	MO.GO.UPRATE.R	192.553(b) (192.553(a), 192.553(c), 192.553(d))	Do records indicate the pressure uprating process was implemented per the requirements of 192.553?

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Row	Asset	Result	(Note 1)	Sub-Group	Question #	Question ID	References	Question Text
190	(and 1 other asset)	Sat		MO.GMOPP	2.	MO.GMOPP.PRESSREGCAP.R	192.709(c) (192.743(a), 192.743(b), 192.743(c))	Do records indicate testing or review of the capacity of each pressure relief device at each pressure limiting station and pressure regulating station as required?
191	(and 1 other asset)	Sat	(2)	MO.GMOPP	3.	MO.GM.RECORDS.R	192.605(b)(1) (192.243(f), 192.709(a), 192.709(b), 192.709(c))	Do records indicate that records are maintained of each pipe/"other than pipe" repair, NDT required record, and (as required by subparts L or M) patrol, survey, inspection or test?
192	(and 1 other asset)	Sat		MO.GMOPP	5.	MO.GMOPP.PRESSREGTEST.R	192.709(c) (192.739(a), 192.739(b))	Do records indicate inspection and testing of pressure limiting, relief devices, and pressure regulating stations?
193	(and 1 other asset)	Sat		MO.GMOPP	6.	MO.GMOPP.PRESSREGTEST.O	192.739(a) (192.739(b), 192.743)	Are field or bench tests or inspections of regulating stations, pressure limiting stations or relief devices adequate?
194	(and 1 other asset)	Sat	(2)	MO.RW	2.	MO.RW.PATROL.R	192.709(c) (192.705(a), 192.705(b), 192.705(c))	Do records indicate that ROW surface conditions have been patrolled as required?
195	(and 1 other asset)	Sat	(2)	MO.RW	3.	MO.RW.ROWMARKER.O	192.707(a) (192.707(b), 192.707(c), 192.707(d))	Are line markers placed and maintained as required?
196	(and 1 other asset)	Sat	(2)	MO.RW	4.	MO.RW.ROWCONDITION.O	192.705(a) (192.705(c))	Are the ROW conditions acceptable for the type of patrolling used?
197	(and 1 other asset)	Sat		MO.RW	7.	MO.RW.LEAKAGE.R	192.709(c) (192.706, 192.706(a), 192.706(b), 192.935(d))	Do records indicate leakage surveys conducted as required?
198	(and 1 other asset)	Sat		PD.DP	7.	PD.DP.PDPROGRAM.R	192.614(c)	Does the damage prevention program meet minimum requirements specified in 192.614(c)?
199	(and 1 other asset)	Sat		PD.PA	5.	PD.PA.AUDIENCEID.R	192.616(d) (192.616(e), 192.616(f), API RP 1162 Section 2.2, API RP 1162 Section 3)	Do records 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 to which it

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Row	Asset	Result	(Note 1)	Sub-Group	Question #	Question ID	References	Question Text
								sends public awareness materials and messages?
200	(and 1 other asset)	Sat	(2)	PD.PA	11.	EP.ERG.LIAISON.R	192.605(a) (192.615(c)(1), 192.615(c)(2), 192.615(c)(3), 192.615(c)(4), 192.616(c), ADB-05-03)	Do records indicate that liaison has been established and maintained with appropriate fire, police, public officials, and utility owners?
201	(and 1 other asset)	Sat		PD.PA	13.	PD.PA.LANGUAGE.R	192.616(g) (API RP 1162 Section 2.3.1)	Were materials and messages developed and delivered in other languages commonly understood by a significant number and concentration of non-English speaking populations in the operator's areas?
202	(and 1 other asset)	Sat	(2)	PD.RW	2.	MO.RW.PATROL.R	192.709(c) (192.705(a), 192.705(b), 192.705(c))	Do records indicate that ROW surface conditions have been patrolled as required?
203	(and 1 other asset)	Sat	(2)	PD.RW	3.	MO.RW.ROWMARKER.O	192.707(a) (192.707(b), 192.707(c), 192.707(d))	Are line markers placed and maintained as required?
204	(and 1 other asset)	Sat	(2)	PD.RW	4.	MO.RW.ROWCONDITION.O	192.705(a) (192.705(c))	Are the ROW conditions acceptable for the type of patrolling used?
205	(and 1 other asset)	Sat		RPT.RR	1.	RPT.RR.ANNUALREPORT.R	191.17(a)	Have complete and accurate Annual Reports utilizing the most recent form F 7 100.2-1 been submitted?
206	(and 1 other asset)	NA		RPT.RR	3.	RPT.RR.IMMEDREPORT.R	191.5(a) (191.7(a))	Do records indicate immediate notifications of incidents were made in accordance with 191.5?
207	(and 1 other asset)	NA		RPT.RR	8.	RPT.RR.INCIDENTREPORT.R	191.15(a) (192.624(a)(1), 192.624(a)(2))	Do records indicate reportable incidents were identified and reports were submitted to DOT on the most recent Form within the required timeframe?
208	(and 1 other asset)	NA		RPT.RR	9.	RPT.RR.INCIDENTREPORTSUPP.R	191.15(d)	Do records indicate accurate supplemental incident reports were filed and within the required timeframe using the most recent Form?
209	(and 1 other asset)	NA		RPT.RR	11.	RPT.RR.SRCR.R	191.23(a) (191.23(b), 191.25(a),	Do records indicate safety-related condition reports were filed as required?

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Row	Asset	Result	(Note 1)	Sub-Group	Question #	Question ID	References	Question Text
							191.25(b), 191.25(c)	
210	(and 1 other asset)	Sat		RPT.RR	16.	RPT.RR.NPMSANNUAL.R	191.29(a) (191.29(b))	Do records indicate NPMS submissions were completed each year, on or before March 15, representing all in service, idle and retired assets as of December 31 of the previous year (excludes distribution lines and gathering lines) occurred, and that if no modifications occurred, an email was submitted stating that fact?
211	(and 1 other asset)	Sat		RPT.RR	18.	RPT.RR.OPID.R	191.22(a) (191.22(c), 191.22(d))	Do records indicate appropriate obtaining, and control of, Operator Identification Numbers (OPIDs), including changes in entity, acquisition/divestiture, and construction/update/uprate?
212	(and 1 other asset)	Sat		TD.ATM	2.	TD.ATM.ATMCORRODE.R	192.491(c) (192.479(a), 192.479(b), 192.479(c))	Do records document the protection of above ground pipe from atmospheric corrosion?
213	(and 1 other asset)	Sat		TD.ATM	4.	TD.ATM.ATMCORRODEINSP.R	192.491(c) (192.481(a), 192.481(b), 192.481(c))	Do records document inspection of aboveground pipe for atmospheric corrosion?
214	(and 1 other asset)	Sat		TD.ATM	5.	TD.ATM.ATMCORRODEINSP.O	192.481(b) (192.481(c), 192.479(a), 192.479(b), 192.479(c))	Is pipe that is exposed to atmospheric corrosion protected?
215	(and 1 other asset)	Sat		TD.CPMONITOR	2.	TD.CPMONITOR.CURRENTTEST.R	192.491(c) (192.465(b))	Do records document details of electrical checks of sources of rectifiers or other impressed current sources?
216	(and 1 other asset)	Sat		TD.CPMONITOR	3.	TD.CPMONITOR.MONITORCRITERIA.O	192.465(a) (192.463(a))	Are methods used for taking CP monitoring readings that allow for the application of appropriate CP monitoring criteria?
217	(and 1 other asset)	Sat		TD.CPMONITOR	4.	TD.CPMONITOR.MONITORCRITERIA.R	192.491(c) (192.463(a))	Do records document that the CP monitoring criteria used was acceptable?
218	(and 1 other asset)	Sat		TD.CPMONITOR	6.	TD.CPMONITOR.TEST.R	192.491(c) (192.465(a))	Do records adequately document cathodic protection monitoring tests have occurred as required?
219	(and 1 other asset)	Sat		TD.CPMONITOR	8.	TD.CPMONITOR.CURRENTTEST.O	192.465(b)	Are impressed current sources properly

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Row	Asset	Result	(Note 1)	Sub-Group	Question #	Question ID	References	Question Text
	other asset)							maintained and are they functioning properly?
220	(and 1 other asset)	NA		TD.CPMONITOR	10.	TD.CPMONITOR.REVCURRENTTEST.R	192.491(c) (192.465(c))	Do records document details of electrical checks interference bonds, diodes, and reverse current switches?
221	(and 1 other asset)	NA		TD.CPMONITOR	11.	TD.CPMONITOR.REVCURRENTTEST.O	192.465(c)	Are interference bonds, diodes, and reverse current switches properly maintained and are they functioning properly?
222	(and 1 other asset)	NA		TD.CPMONITOR	13.	TD.CPMONITOR.DEFICIENCY.R	192.491(c) (192.465(d))	Do records adequately document actions taken to correct any identified deficiencies in corrosion control?
223	(and 1 other asset)	Sat		TD.CPMONITOR	18.	TD.CPMONITOR.TESTLEAD.R	192.491(c) (192.471(a), 192.471(b), 192.471(c))	Do records document that pipelines with cathodic protection have electrical test leads installed in accordance with requirements of Subpart I?
224	(and 1 other asset)	Sat		TD.CPMONITOR	19.	TD.CPMONITOR.TESTLEAD.O	192.471(a) (192.471(b), 192.471(c))	Do pipelines with cathodic protection have electrical test leads installed in accordance with requirements of Subpart I?
225	(and 1 other asset)	NA		TD.CPMONITOR	21.	TD.CPMONITOR.INTFRCURRENT.R	192.491(c) (192.473(a))	Do records document an effective program is in place to minimize detrimental effects of interference currents and that detrimental effects of interference currents from CP systems on other underground metallic structures are minimized?
226	(and 1 other asset)	NA		TD.CPMONITOR	22.	TD.CPMONITOR.INTFRCURRENT.O	192.473(a)	Are areas of potential stray current identified, and if found, the detrimental effects of stray currents minimized?
227	(and 1 other asset)	Sat	(3)	TD.CPMONITOR	24.	TD.CP.RECORDS.R	192.491(a)	Do records indicate the location of all items listed in 192.491(a)?
228	(and 1 other asset)	Sat		TD.CP	2.	TD.CP.POST1971.R	192.491(c) (192.455(a), 192.457(a), 192.452(a), 192.452(b))	Do records document that each buried or submerged pipeline installed after July 31, 1971, has been protected against external corrosion with a cathodic protection system within 1 year after completion of

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Row	Assets	Result	(Note 1)	Sub-Group	Question #	Question ID	References	Question Text
								construction, conversion to service, or becoming jurisdictional onshore gathering?
229	(and 1 other asset)	NA		TD.CP	5.	TD.CP.PRE1971.O	192.457(b)	Are bare or coated pipes in compressor, regulator or meter stations installed before August 1, 1971 (except for cast and ductile iron lines) cathodically protected in areas where active corrosion was found in accordance with Subpart I or Part 192?
230	(and 1 other asset)	NA		TD.CP	11.	TD.CP.UNPROTECT.R	192.491(c) (192.465(e))	Do records adequately document the re-evaluation of non-cathodically protected buried pipelines for areas of active corrosion?
231	(and 1 other asset)	NA		TD.CP	13.	TD.CP.ELECISOLATE.R	192.491(c) (192.467(a), 192.467(b), 192.467(c), 192.467(d), 192.467(e))	Do records adequately document electrical isolation of each buried or submerged pipeline from other metallic structures unless they electrically interconnect and cathodically protect the pipeline and the other structures as a single unit?
232	(and 1 other asset)	NA		TD.CP	14.	TD.CP.ELECISOLATE.O	192.467(a) (192.467(b), 192.467(c), 192.467(d), 192.467(e))	Are measures performed to ensure electrical isolation of each buried or submerged pipeline from other metallic structures unless they electrically interconnect and cathodically protect the pipeline and the other structures as a single unit?
233	(and 1 other asset)	Sat	(3)	TD.CP	21.	TD.CP.RECORDS.R	192.491(a)	Do records indicate the location of all items listed in 192.491(a)?
234	(and 1 other asset)	Sat		TD.COAT	2.	TD.COAT.NEWPIPE.R	192.491(c) (192.455(a)(1), 192.461(a), 192.461(b), 192.483(a))	Do records document that each buried or submerged pipeline installed after July 31, 1971 has been externally coated with a suitable coating material?
235	(and 1 other asset)	NA		TD.CPEXPOSED	2.	TD.CPEXPOSED.EXPOSEINSPECT.R	192.491(c) (192.459)	Do records adequately document that exposed buried piping was examined for corrosion and deteriorated coating?

Inspection Results Report (ALL Non-Empty Results) - Scp_PK Airgas Records & Field

Row	Asset	Result	(Note 1)	Sub-Group	Question #	Question ID	References	Question Text
236	(and 1 other asset)	NA		TD.CPEXPOSED	5.	TD.CPEXPOSED.EXTCORRODEEVAL.R	192.491(c) (192.485(a), 192.485(b), 192.485(c))	Do records adequately document the evaluation of externally corroded pipe?
237	(and 1 other asset)	Sat	(3)	TD.CPEXPOSED	9.	TD.CP.RECORDS.R	192.491(a)	Do records indicate the location of all items listed in 192.491(a)?
238	(and 1 other asset)	NA		TD.ICP	2.	TD.ICP.EXAMINE.R	192.491(c) (192.475(a), 192.475(b))	Do records document examination of removed pipe for evidence of internal corrosion?
239	(and 1 other asset)	NA		TD.ICP	5.	TD.ICP.EVALUATE.R	192.491(c) (192.485(c))	Do records document adequate evaluation of internally corroded pipe?
240	(and 1 other asset)	NA		TD.ICP	7.	TD.ICP.REPAIR.R	192.485(a) (192.485(b))	Do records document the repair or replacement of pipe that has been internally corroded to an extent that there is not sufficient remaining strength in the pipe wall?
241	(and 1 other asset)	NA		TD.ICCG	2.	TD.ICCG.CORRGAS.R	192.491(c) (192.475(a))	Do the records demonstrate that the corrosive effect of the gas in the pipeline has been investigated and if determined to be corrosive, steps be taken to minimize internal corrosion?
242	(and 1 other asset)	NA		TD.ICCG	4.	TD.ICCG.CORRGASACTION.R	192.491(c) (192.477)	Do records document the actions taken when corrosive gas is being transported by pipeline?
243	(and 1 other asset)	Sat		TQ.PROT9	2.	TQ.PROT9.TASKPERFORMANCE.O	192.801(a) (192.809(a))	Verify the qualified individuals performed the observed covered tasks in accordance with the operator's processes or operator approved contractor processes.
244	(and 1 other asset)	Sat		TQ.PROT9	3.	TQ.PROT9.QUALIFICATIONSTATUS.O	192.801(a) (192.809(a))	Verify the individuals performing the observed covered tasks are currently qualified to perform the covered tasks.
245	(and 1 other asset)	Sat		TQ.PROT9	4.	TQ.PROT9.AOCRECOG.O	192.801(a) (192.809(a))	Verify the individuals performing covered tasks are cognizant of the AOCs that are applicable to the tasks observed.
246	(and 1 other asset)	Sat		TQ.PROT9	5.	TQ.PROT9.VERIFYQUAL.O	192.801(a) (192.809(a))	Observe in the field (job site, local office, etc.) that the foreman/supervisor/manager has verified the qualification of the individual performing the

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Row	Asset	Result	(Note 1)	Sub-Group	Question #	Question ID	References	Question Text
								task, that the qualification records are current, and ensure the personal identification of all individuals performing covered tasks are checked, prior to task performance.
247	(and 1 other asset)	Sat		TQ.OQ	5.	TQ.OQ.OQCONTRACTOR.R	192.807(a) (192.807(b))	Are adequate records containing the required elements maintained for contractor personnel?
248	(and 1 other asset)	Sat		TQ.OQ	6.	TQ.OQ.RECORDS.R	192.807	Do records document the evaluation and qualifications of individuals performing covered tasks, and can the qualification of individuals performing covered tasks be verified?
249	(and 1 other asset)	Sat		TQ.QU	2.	TQ.QU.CORROSION.R	192.453 (192.807(a), 192.807(b))	Do records indicate qualification of personnel implementing pipeline corrosion control methods?
250	(and 1 other asset)	NA		TQ.QUOMCONST	4.	TQ.QUOMCONST.NDT.R	192.243(b)(2) (192.807(a), 192.807(b), 192.328(a), 192.328(b))	Do records indicate the qualification of nondestructive testing personnel?
251	(and 1 other asset)	NA		TQ.QUOMCONST	5.	TQ.QUOMCONST.WELDER.R	192.227(a) (192.227(b), 192.229(a), 192.229(b), 192.229(c), 192.229(d), 192.328(a), 192.328(b), 192.807(a), 192.807(b))	Do records indicate that welders are adequately qualified?
252	(and 1 other asset)	Sat		TQ.TR	2.	TQ.TR.TRAINING.R	192.615(b)(2) (192.807(a), 192.807(b))	Is training for emergency response personnel documented?

1. Result is repeated (N) times in this report due to re-presentation of the question in multiple sub-groups.

Report Parameters: All non-empty Results

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

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