

# Inspection Output (IOR)

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## Inspection Information

Inspection Name	Airgas O&M P&P Review	Operator(s)	AIRGAS MERCHANT GAS KALAMA (39624)	Plan Submitted	10/23/2020
Status	PLANNED	Lead	Anthony Dorrrough	Plan Approval	10/23/2020 by Joe Subsits
Start Year	2020	Supervisor	Joe Subsits	All Activity Start	03/19/2020
System Type	GT	Director	Sean Mayo	All Activity End	03/19/2020
Protocol Set ID	GT.2020.01			Inspection Submitted	--
				Inspection Approval	--

## Inspection Summary

### Scope and Summary:

*This Operations and Maintenance, Plans Procedures Review (OM PPR) inspection covered process, procedures and records review questions, as well as related questions that included WAC requirements. The last OM PPR inspection of this unit was performed on 12/2/2014 with no recommended follow up actions. A verbal exit interview was conducted on 9/15/2020.*

### Dates and Activities:

*No other dates or activities were needed.*

### Summary of Significant Findings:

*No apparent violations of federal or state code  
No areas of concern identified*

### Primary operator contacts/participants in the inspection:

*Grayson Taylor/ Regulatory Compliance (713) 896-2337*

*Scott Moon/ Plant Manager (360) 673-1400*

### Recommended follow up actions for next inspection:

*No recommended follow up actions needed.*

## Scope (Assets)

#	Short Label	Long Label	Asset Type	Asset IDs	Excluded Topics	Planned	Required	Inspected	Total	Required % Complete
1.	88917 (1,850)	AIRGAS Merchant Gas Kalama	unit	88917	Compressor Stations Storage Fields Bottle/Pipe - Holders Vault Service Line Offshore GOM OCS Cast or Ductile Iron Copper Pipe Aluminum/Amphoteric Plastic Pipe	110	110	110	110	100.0%

#	Short Label	Long Label	Asset Type	Asset IDs	Excluded Topics	Planned	Required	Inspected	Total	Required % Complete
					AMAOP CDA Abandoned					

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

## Plans

#	Plan Assets	Focus Directives	Involved Groups/Subgroups	Qst Type(s)	Extent Notes
1.	88917 (1,850)	Baseline Procedures (Form 1)	AR, CR, DC, EP, FS, IM, MO, PD, RPT, SRN, TD, TQ, UNGS, GENERIC	P, R, O, S	Detail

## Plan Implementations

#	Activity Name	SMAR T Act#	Start Date End Date	Focus Directives	Involved Groups/Subgroups	Asset Types	Qst Type(s)	Planned	Required	Inspected	Total	Required % Complete
1	Airgas O&M P&P Review	--	03/19/2020 03/19/2020	n/a	all planned questions	all assets	all types	110	110	110	110	100.0%

1. Since questions may be implemented in multiple activities, but answered only once, questions may be represented more than once in this table.
2. Percent completion excludes unanswered questions planned as "always observe".

## Forms

No.	Entity	Form Name	Status	Date Completed	Activity Name	Asset
1.	Attendance List	Airgas O&M P&P Review	COMPLETED	10/23/2020	Airgas O&M P&P Review	88917 (1,850)

## Results (all values, 110 results)

119 (instead of 110) results are listed due to re-presentation of questions in more than one sub-group.

### AR.PTI: Integrity Assessment Via Pressure Test

1. Question Result, ID, [Sat, AR.PTI.PRESSTESTACCEP.P, 192.503\(a\) \(192.503\(b\), 192.503\(c\), 192.503\(d\), 192.505\(a\), 192.505\(b\), 192.505\(c\), 192.505\(d\), 192.507\(a\), 192.507\(b\), 192.507\(c\), 192.513\(a\), 192.513\(b\), 192.513\(c\), 192.513\(d\), 192.921\(a\)\(2\)\)](#)  
 Question Text *Were test acceptance criteria and processes sufficient to assure the basis for an acceptable pressure test?*  
 Assets Covered **88917 (1,850)**  
 Result Notes [See pg.187](#)

### AR.RMP: Repair Methods and Practices

2. Question Result, ID, [Sat, AR.RMP.SAFETY.P, 192.605\(b\)\(9\) \(192.713\(b\)\)](#)  
 Question Text *Does the process ensure that repairs are made in a safe manner and are made so as to prevent damage to persons and property?*  
 Assets Covered **88917 (1,850)**

Result Notes [General Repair see pg.296](#)

3. Question Result, ID, References [Sat, AR.RMP.IGNITION.P, 192.605\(b\)\(1\) \(192.751\(a\), 192.751\(b\), 192.751\(c\)\)](#)  
Question Text *Is there a process for preventing accidental ignition where gas presents a hazard of fire or explosion?*  
Assets Covered [88917 \(1,850\)](#)  
Result Notes [See Prevention of accidental ignition pg.351](#)
4. Question Result, ID, References [Sat, AR.RMP.HOTTAP.P, 192.605\(b\)\(1\) \(192.627\)](#)  
Question Text *Is the process adequate for tapping pipelines under pressure?*  
Assets Covered [88917 \(1,850\)](#)  
Result Notes [See pg.265 - Airgas performs tapping with TDW tapping machine.](#)
5. Question Result, ID, References [Sat, AR.RMP.REPAIRREQT.P, 192.605\(b\)\(1\) \(192.711\(a\), 192.711\(b\), 192.711\(c\), 192.717\(b\)\(3\)\)](#)  
Question Text *Does the repair process capture the requirements of 192.711 for transmission lines?*  
Assets Covered [88917 \(1,850\)](#)  
Result Notes [See General Repair pg.295](#)
6. Question Result, ID, References [Sat, AR.RMP.FIELDREPAIRDEFECT.P, 192.605\(b\)\(1\) \(192.713\(a\), 192.713\(b\)\)](#)  
Question Text *Is the process adequate for the permanent field repair of defects in transmission lines?*  
Assets Covered [88917 \(1,850\)](#)  
Result Notes [See General Repair pg.295](#)
7. Question Result, ID, References [Sat, AR.RMP.FIELDREPAIRWELDS.P, 192.605\(b\) \(192.715\(a\), 192.715\(b\), 192.715\(c\)\)](#)  
Question Text *Is the process adequate for the permanent field repair of welds?*  
Assets Covered [88917 \(1,850\)](#)
8. Question Result, ID, References [Sat, AR.RMP.FIELDREPAIRLEAK.P, 192.605\(b\) \(192.717\(a\), 192.717\(b\)\)](#)  
Question Text *Is there an adequate process for the permanent field repair of leaks on transmission lines?*  
Assets Covered [88917 \(1,850\)](#)
9. Question Result, ID, References [Sat, AR.RMP.WELDTTEST.P, 192.605\(b\) \(192.719\(a\), 192.719\(b\)\)](#)  
Question Text *Is the process adequate for the testing of replacement pipe and repairs made by welding on transmission lines?*  
Assets Covered [88917 \(1,850\)](#)

## DC.WELDINSP: Construction Weld Inspection

10. Question Result, ID, References [Sat, DC.WELDINSP.WELDVISUALQUAL.P, 192.241 \(192.225, 192.227, 192.229, 192.231, 192.233, 192.243, 192.245\)](#)  
Question Text *Does the operator have comprehensive written specifications or procedures for the inspection and testing of welds that meet the requirements of 192.241?*  
Assets Covered [88917 \(1,850\)](#)
11. Question Result, ID, References [Sat, DC.WELDINSP.WELDNDET.P, 192.243](#)  
Question Text *Is there a process for nondestructive testing and interpretation in accordance with 192.243?*  
Assets Covered [88917 \(1,850\)](#)
12. Question Result, ID, References [Sat, DC.WELDINSP.WELDREPAIR.P, 192.245 \(192.303\)](#)  
Question Text *Does the process require welds that are unacceptable to be removed and/or repaired as specified by 192.245?*  
Assets Covered [88917 \(1,850\)](#)

## DC.WELDPROCEDURE: Construction Welding Procedures

13. Question Result, ID, References **Sat, DC.WELDPROCEDURE.WELD.P, 192.225**  
Question Text *Does the operator have written specifications requiring qualified welding procedures in accordance with 192.225?*  
Assets Covered **88917 (1,850)**
14. Question Result, ID, References **Sat, DC.WELDPROCEDURE.WELDWEATHER.P, 192.231 (192.225, 192.227)**  
Question Text *Does the operator have written specifications that require the welding operation to be protected from weather conditions that would impair the quality of the completed weld?*  
Assets Covered **88917 (1,850)**
15. Question Result, ID, References **Sat, DC.WELDPROCEDURE.MITERJOINT.P, 192.233**  
Question Text *Does the operator have written specifications or procedures that prohibit the use of certain miter joints as required by 192.233?*  
Assets Covered **88917 (1,850)**
16. Question Result, ID, References **Sat, DC.WELDPROCEDURE.WELDPREP.P, 192.235**  
Question Text *Does the operator have comprehensive written specifications or procedures that require preparations for welding in accordance with 192.235?*  
Assets Covered **88917 (1,850)**

## DC.COMM: Pipeline Commissioning

17. Question Result, ID, References **Sat, MO.GO.PURGE.P, 192.605(b)(1) (192.629(a), 192.629(b))** (also presented in: MO.GO)  
Question Text *Does the process include requirements for purging of pipelines in accordance with 192.629?*  
Assets Covered **88917 (1,850)**
18. Question Result, ID, References **Sat, EP.ERG.NOTICES.P, 192.615(a)(1)** (also presented in: EP.ERG)  
Question Text *Does the emergency plan include procedures for receiving, identifying, and classifying notices of events which need immediate response?*  
Assets Covered **88917 (1,850)**
19. Question Result, ID, References **Sat, EP.ERG.COMMSYS.P, 192.615(a) (192.615(a)(2))** (also presented in: EP.ERG)  
Question Text *Does the emergency plan include procedures for establishing and maintaining adequate means of communication with appropriate fire, police, and other public officials?*  
Assets Covered **88917 (1,850)**

## DC.DPC: Design of Pipe Components

20. Question Result, ID, References **Sat, DC.DPC.INTCORRODE.P, 192.453 (192.476(a), 192.476(b), 192.476(c))**  
Question Text *Does the process require that the transmission line project has features incorporated into its design and construction to reduce the risk of internal corrosion, as required of 192.476?*  
Assets Covered **88917 (1,850)**

## DC.MA: Materials

21. Question Result, ID, References **Sat, DC.MA.MARKING.P, 192.63**  
Question Text *Does the operator have specifications requiring pipe, valves, and fittings to be marked according to the requirements of 192.63?*  
Assets Covered **88917 (1,850)**

## EP.ERG: Emergency Response

22. Question Result, ID, References **Sat, EP.ERG.REVIEW.P, 192.605(a)**  
Question Text *Does the process include a requirement to review the manual at intervals not exceeding 15 months, but at least once each calendar year?*  
Assets Covered **88917 (1,850)**
23. Question Result, ID, References **Sat, EP.ERG.INCIDENTDATA.P, 192.605(b)(4) (191.5(a))**  
Question Text *Does the process include the steps necessary for the gathering of data needed for reporting incidents under Part 191 of this chapter in a timely and effective manner?*  
Assets Covered **88917 (1,850)**
24. Question Result, ID, References **Sat, EP.ERG.NOTICES.P, 192.615(a)(1)** (also presented in: DC.COMM)  
Question Text *Does the emergency plan include procedures for receiving, identifying, and classifying notices of events which need immediate response?*  
Assets Covered **88917 (1,850)**
25. Question Result, ID, References **Sat, EP.ERG.COMMSYS.P, 192.615(a) (192.615(a)(2))** (also presented in: DC.COMM)  
Question Text *Does the emergency plan include procedures for establishing and maintaining adequate means of communication with appropriate fire, police, and other public officials?*  
Assets Covered **88917 (1,850)**
26. Question Result, ID, References **Sat, EP.ERG.RESPONSE.P, 192.615(a) (192.615(a)(3), 192.615(a)(11), 192.615(b)(1))**  
Question Text *Does the emergency plan include procedures for making a prompt and effective response to a notice of each type of emergency, including gas detected inside or near a building, a fire or explosion near or directly involving a pipeline facility, or a natural disaster?*  
Assets Covered **88917 (1,850)**
27. Question Result, ID, References **Sat, EP.ERG.READINESS.P, 192.615(a) (192.615(a)(4))**  
Question Text *Does the process include procedures for ensuring the availability of personnel, equipment, tools, and materials as needed at the scene of an emergency?*  
Assets Covered **88917 (1,850)**
28. Question Result, ID, References **Sat, EP.ERG.PUBLICPRIORITY.P, 192.615(a) (192.615(a)(5))**  
Question Text *Does the emergency plan include procedures for taking actions directed toward protecting people first and then property?*  
Assets Covered **88917 (1,850)**
29. Question Result, ID, References **Sat, EP.ERG.PRESSREDUCESD.P, 192.615(a) (192.615(a)(6))**  
Question Text *Does the emergency plan include procedures for the emergency shutdown or pressure reduction in any section of pipeline system necessary to minimize hazards to life or property?*  
Assets Covered **88917 (1,850)**
30. Question Result, ID, References **Sat, EP.ERG.PUBLICHAZ.P, 192.605(a) (192.615(a)(7))**  
Question Text *Does the emergency plan include procedures for making safe any actual or potential hazard to life or property?*  
Assets Covered **88917 (1,850)**
31. Question Result, ID, References **Sat, EP.ERG.AUTHORITIES.P, 192.615(a) (192.615(a)(8))**  
Question Text *Does the emergency plan include procedures for notifying appropriate public officials of gas pipeline emergencies and coordinating with them both planned responses and actual responses during an emergency?*  
Assets Covered **88917 (1,850)**

32. Question Result, ID, References **Sat, EP.ERG.OUTAGERESTORE.P, 192.615(a) (192.615(a)(9))**  
 Question Text *Does the emergency plan include procedures for safely restoring any service outage?*  
 Assets Covered **88917 (1,850)**
33. Question Result, ID, References **Sat, EP.ERG.INCIDENTACTIONS.P, 192.615(a) (192.615(a)(10))**  
 Question Text *Does the process include procedures for beginning action under 192.617, if applicable, as soon after the end of the emergency as possible?*  
 Assets Covered **88917 (1,850)**
34. Question Result, ID, References **Sat, EP.ERG.INCIDENTANALYSIS.P, 192.617**  
 Question Text *Does the process include procedures for analyzing accidents and failures, including the selection of samples of the failed facility or equipment for laboratory examination, where appropriate, for the purpose of determining the causes of the failure and minimizing the possibility of recurrence?*  
 Assets Covered **88917 (1,850)**
35. Question Result, ID, References **Sat, EP.ERG.POSTEVTREVIEW.P, 192.615(b)(3)**  
 Question Text *Does the process include detailed steps for reviewing employee activities to determine whether the procedures were effectively followed in each emergency?*  
 Assets Covered **88917 (1,850)**
36. Question Result, ID, References **Sat, EP.ERG.LIAISON.P, 192.615(c) (192.615(c)(1), 192.615(c)(2), 192.615(c)(3), 192.615(c)(4), 192.616(c), ADB-05-03)**  
 Question Text *Does the process include steps for establishing and maintaining liaison with appropriate fire, police and other public officials and utility owners?*  
 Assets Covered **88917 (1,850)**

## MO.GC: Conversion to Service

37. Question Result, ID, References **NA, MO.GC.CONVERSION.P, 192.14(a) (192.14(b))**  
 Question Text *If any pipelines were converted into Part 192 service, was a process developed addressing all the applicable requirements?*  
 Assets Covered **88917 (1,850)**  
 Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**

## MO.GOABNORMAL: Gas Pipeline Abnormal Operations

38. Question Result, ID, References **Sat, MO.GOABNORMAL.ABNORMAL.P, 192.605(a) (192.605(c)(1))**  
 Question Text *Does the process fully address the responsibilities during and after an abnormal operation?*  
 Assets Covered **88917 (1,850)**
39. Question Result, ID, References **Sat, MO.GOABNORMAL.ABNORMALCHECK.P, 192.605(a) (192.605(c)(2))**  
 Question Text *Does the process include requirements for checking variations from normal operation after abnormal operation has ended at sufficient critical locations in the system to determine continued integrity and safe operation?*  
 Assets Covered **88917 (1,850)**
40. Question Result, ID, References **Sat, MO.GOABNORMAL.ABNORMALNOTIFY.P, 192.605(a) (192.605(c)(3))**  
 Question Text *Does the process include requirements for notifying responsible operator personnel when notice of an abnormal operation is received?*  
 Assets Covered **88917 (1,850)**
41. Question Result, ID, References **Sat, MO.GOABNORMAL.ABNORMALREVIEW.P, 192.605(a) (192.605(c)(4))**

Question Text *Does the process include requirements for periodically reviewing the response of operator personnel to determine the effectiveness of the processes controlling abnormal operation and taking corrective action where deficiencies are found?*

Assets Covered 88917 (1,850)

## MO.GOCLASS: Gas Pipeline Class Location

42. Question Result, ID, Sat, MO.GOCLASS.CLASSLOCATEREV.P, 192.605(b)(1) (192.611(a), 192.611(b), 192.611(c),  
References 192.611(d))

Question Text *Does the process include a requirement that the MAOP of a pipeline segment be confirmed or revised within 24 months whenever the hoop stress corresponding to the established MAOP is determined not to be commensurate with the existing class location?*

Assets Covered 88917 (1,850)

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

Question Text *Are there processes for performing continuing surveillance of pipeline facilities, and also for reconditioning, phasing out, or reducing the MAOP in a pipeline segment that is determined to be in unsatisfactory condition but on which no immediate hazard exists?*

Assets Covered 88917 (1,850)

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

Question Text *Does the process include a requirement that the operator conduct a study whenever an increase in population density indicates a change in the class location of a pipeline segment operating at a hoop stress that is more than 40% SMYS?*

Assets Covered 88917 (1,850)

## MO.GOMAOP: Gas Pipeline MAOP

45. Question Result, ID, Sat, MO.GOMAOP.MAOPDETERMINE.P, 192.605(b)(1) (192.619(a), 192.619(b))  
References

Question Text *Does the process include requirements for determining the maximum allowable operating pressure for a pipeline segment in accordance with 192.619?*

Assets Covered 88917 (1,850)

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

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

Assets Covered 88917 (1,850)

## MO.GM: Gas Pipeline Maintenance

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

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

Assets Covered 88917 (1,850)

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

Question Text *Does the process include a requirement that the operator maintain a record of each pipe/"other than pipe" repair, NDT required record, and (as required by subparts L or M) patrol, survey, inspection or test?*

Assets Covered 88917 (1,850)

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

Question Text *Are their processes for inspecting and partially operating each transmission line valve that might be required in an emergency at intervals not exceeding 15 months, but at least once each calendar year and for taking prompt remedial action to correct any valve found inoperable?*

Assets Covered 88917 (1,850)

## MO.GOODOR: Gas Pipeline Odorization

50. Question Result, ID, NA, MO.GOODOR.ODORIZE.P, 192.605(b)(1) (192.625(a), 192.625(b), 192.625(c), 192.625(d),  
References 192.625(e), 192.625(f))  
Question Text *Does the process ensure appropriate odorant levels are contained in its combustible gases in accordance with 192.625?*  
Assets Covered 88917 (1,850)  
Result Notes No such event occurred, or condition existed, in the scope of inspection review.

## MO.GO: Gas Pipeline Operations

51. Question Result, ID, Sat, MO.GO.CONTSURVEILLANCE.P, 192.605(e) (192.613(a), 192.613(b), 192.703(b), 192.703(c)) (also  
References presented in: MO.GOCLASS)  
Question Text *Are there processes for performing continuing surveillance of pipeline facilities, and also for reconditioning, phasing out, or reducing the MAOP in a pipeline segment that is determined to be in unsatisfactory condition but on which no immediate hazard exists?*  
Assets Covered 88917 (1,850)
52. Question Result, ID, Sat, MO.GO.PURGE.P, 192.605(b)(1) (192.629(a), 192.629(b)) (also presented in: DC.COMM)  
References  
Question Text *Does the process include requirements for purging of pipelines in accordance with 192.629?*  
Assets Covered 88917 (1,850)
53. Question Result, ID, Sat, MO.GO.OMANNUALREVIEW.P, 192.605(a)  
References  
Question Text *Does the process include a requirement to review the manual at intervals not exceeding 15 months, but at least once each calendar year?*  
Assets Covered 88917 (1,850)
54. Question Result, ID, Sat, MO.GO.OMEFFECTREVIEW.P, 192.605(a) (192.605(b)(8))  
References  
Question Text *Does the process include requirements for periodically reviewing the work done by operator personnel to determine the effectiveness, and adequacy of the processes used in normal operations and maintenance and modifying the processes when deficiencies are found?*  
Assets Covered 88917 (1,850)
55. Question Result, ID, Sat, MO.GO.OMHISTORY.P, 192.605(a) (192.605(b)(3))  
References  
Question Text *Does the process include requirements for making construction records, maps and operating history available to appropriate operating personnel?*  
Assets Covered 88917 (1,850)
56. Question Result, ID, Sat, MO.GO.SRC.P, 192.605(a) (192.605(d), 191.23(a))  
References  
Question Text *Does the process include instructions enabling personnel who perform operation and maintenance activities to recognize conditions that may potentially be safety-related conditions?*  
Assets Covered 88917 (1,850)
57. Question Result, ID, Sat, MO.GO.ODDOR.P, 192.605(a) (192.605(b)(11))  
References  
Question Text *Does the process require prompt response to the report of a gas odor inside or near a building?*  
Assets Covered 88917 (1,850)
58. Question Result, ID, Sat, MO.GO.UPRATE.P, 192.13(c) (192.553(a), 192.553(b), 192.553(c), 192.553(d))  
References  
Question Text *Is the pressure uprating process consistent with the requirements of 192.553?*  
Assets Covered 88917 (1,850)

## MO.GMOPP: Gas Pipeline Overpressure Protection

59. Question Result, ID, References **NA, MO.GMOPP.PRESSREGCAP.P, 192.605(b)(1) (192.743(a), 192.743(b), 192.743(c))**  
 Question Text *Does the process include procedures for ensuring that the capacity of each pressure relief device at pressure limiting stations and pressure regulating stations is sufficient?*  
 Assets Covered **88917 (1,850)**  
 Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**
60. Question Result, ID, References **NA, MO.GMOPP.PRESSREGTEST.P, 192.605(b)(1) (192.739(a), 192.739(b))**  
 Question Text *Does the process include procedures for inspecting and testing each pressure limiting station, relief device, and pressure regulating station and their equipment?*  
 Assets Covered **88917 (1,850)**  
 Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**
61. Question Result, ID, References **Sat, MO.GM.RECORDS.P, 192.605(b)(1) (192.709(a), 192.709(b), 192.709(c))** (also presented in: **MO.GM**)  
 Question Text *Does the process include a requirement that the operator maintain a record of each pipe/"other than pipe" repair, NDT required record, and (as required by subparts L or M) patrol, survey, inspection or test?*  
 Assets Covered **88917 (1,850)**

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

62. Question Result, ID, References **Sat, MO.RW.PATROL.P, 192.705(a) (192.705(b), 192.705(c))** (also presented in: **PD.RW**)  
 Question Text *Does the process adequately cover the requirements for patrolling the ROW and conditions reported?*  
 Assets Covered **88917 (1,850)**
63. Question Result, ID, References **Sat, MO.RW.ROWMARKER.P, 192.707(a) (192.707(b), 192.707(c), 192.707(d))** (also presented in: **PD.RW**)  
 Question Text *Does the process adequately cover the requirements for placement of ROW markers?*  
 Assets Covered **88917 (1,850)**
64. Question Result, ID, References **Sat, MO.RW.LEAKAGE.P, 192.706 (192.706(a), 192.706(b), 192.935(d))**  
 Question Text *Does the process require leakage surveys to be conducted?*  
 Assets Covered **88917 (1,850)**

## PD.DP: Damage Prevention

65. Question Result, ID, References **Sat, PD.DP.PDPROGRAM.P, 192.614(a)**  
 Question Text *Is a damage prevention program approved and in place?*  
 Assets Covered **88917 (1,850)**
66. Question Result, ID, References **Sat, PD.DP.ONECALL.P, 192.614(b)**  
 Question Text *Does the process require participation in qualified one-call systems?*  
 Assets Covered **88917 (1,850)**
67. Question Result, ID, References **Sat, PD.DP.EXCAVATEMARK.P, 192.614(c)(5)**  
 Question Text *Does the process require marking proposed excavation sites to CGA Best Practices or use more stringent and accurate requirements?*  
 Assets Covered **88917 (1,850)**
68. Question Result, ID, References **Sat, PD.DP.TPD.P, 192.614(c)(1)**  
 Question Text *Does the process specify how reports of Third Party Activity and names of associated contractors or excavators are input back into the mail-outs and communications with excavators along the system?*  
 Assets Covered **88917 (1,850)**

69. Question Result, ID, References **Sat, PD.DP.TPDONECALL.P, 192.614(c)(3)**  
 Question Text *Does the process specify how reports of TPD are checked against One-Call tickets?*  
 Assets Covered **88917 (1,850)**
70. Question Result, ID, References **Sat, PD.DP.DPINFOGATHER.P, 192.917(b) (192.935(b)(1)(ii))**  
 Question Text *Does the process require critical damage prevention information be gathered and recorded during pipeline patrols, leak surveys, and integrity assessments?*  
 Assets Covered **88917 (1,850)**

## PD.PA: Public Awareness

71. Question Result, ID, References **Sat, PD.PA.ASSETS.P, 192.616(b) (API RP 1162 Section 2.7 Step 4)**  
 Question Text *Does the program clearly identify the specific pipeline systems and facilities to be included in the program, along with the unique attributes and characteristics of each?*  
 Assets Covered **88917 (1,850)**
72. Question Result, ID, References **Sat, PD.PA.AUDIENCEID.P, 192.616(d) (192.616(e), 192.616(f), API RP 1162 Section 2.2, API RP 1162 Section 3)**  
 Question Text *Does the program establish methods to identify the individual stakeholders in the four affected stakeholder audience groups: (1) affected public, (2) emergency officials, (3) local public officials, and (4) excavators, as well as affected municipalities, school districts, businesses, and residents?*  
 Assets Covered **88917 (1,850)**
73. Question Result, ID, References **Sat, PD.PA.MGMTSUPPORT.P, 192.616(a) (API RP 1162 Section 2.5, API RP 1162 Section 7.1)**  
 Question Text *Does the operator's program documentation demonstrate management support?*  
 Assets Covered **88917 (1,850)**
74. Question Result, ID, References **Sat, PD.PA.PROGRAM.P, 192.616(a) (192.616(h))**  
 Question Text *Has the continuing public education (awareness) program been established as required?*  
 Assets Covered **88917 (1,850)**
75. Question Result, ID, References **Sat, PD.PA.MESSAGES.P, 192.616(c) (API RP 1162 Section 3, API RP 1162 Section 4, API RP 1162 Section 5)**  
 Question Text *Does the program define the combination of messages, delivery methods, and delivery frequencies to comprehensively reach all affected stakeholder audiences in all areas where gas is transported?*  
 Assets Covered **88917 (1,850)**
76. Question Result, ID, References **Sat, PD.PA.SUPPLEMENTAL.P, 192.616(c) (API RP 1162 Section 6.2)**  
 Question Text *Were relevant factors considered to determine the need for supplemental public awareness program enhancements for each stakeholder audience, as described in API RP 1162?*  
 Assets Covered **88917 (1,850)**
77. Question Result, ID, References **Sat, PD.PA.LANGUAGE.P, 192.616(g) (API RP 1162 Section 2.3.1)**  
 Question Text *Does the program require that materials and messages be provided in other languages commonly understood by a significant number and concentration of non-English speaking populations in the operator's areas?*  
 Assets Covered **88917 (1,850)**
78. Question Result, ID, References **Sat, PD.PA.EVALPLAN.P, 192.616(i) (192.616(c), API RP 1162 Section 8, API RP 1162 Appendix E)**  
 Question Text *Does the program include a process that specifies how program implementation and effectiveness will be periodically evaluated?*  
 Assets Covered **88917 (1,850)**

## PD.RW: ROW Markers, Patrols, Monitoring

79. Question Result, ID, References **Sat, MO.RW.PATROL.P, 192.705(a) (192.705(b), 192.705(c))** (also presented in: MO.RW)  
 Question Text *Does the process adequately cover the requirements for patrolling the ROW and conditions reported?*  
 Assets Covered **88917 (1,850)**
80. Question Result, ID, References **Sat, MO.RW.ROWMARKER.P, 192.707(a) (192.707(b), 192.707(c), 192.707(d))** (also presented in: MO.RW)  
 Question Text *Does the process adequately cover the requirements for placement of ROW markers?*  
 Assets Covered **88917 (1,850)**

## RPT.RR: Regulatory Reporting (Traditional)

81. Question Result, ID, References **Sat, RPT.RR.IMMEDREPORT.P, 191.5(b) (191.7)**  
 Question Text *Is there a process to immediately report incidents to the National Response Center?*  
 Assets Covered **88917 (1,850)**
82. Question Result, ID, References **Sat, RPT.RR.INCIDENTREPORT.P, 191.15(a)**  
 Question Text *Does the process require preparation and filing of an incident report as soon as practicable but no later than 30 days after discovery of a reportable incident?*  
 Assets Covered **88917 (1,850)**
83. Question Result, ID, References **Sat, RPT.RR.INCIDENTREPORTSUPP.P, 191.15(d)**  
 Question Text *Does the process require preparation and filing of supplemental incident reports?*  
 Assets Covered **88917 (1,850)**
84. Question Result, ID, References **Sat, RPT.RR.SRCR.P, 192.605(a) (191.23(a), 191.23(b), 191.25(a), 191.25(b))**  
 Question Text *Do processes require reporting of safety-related conditions?*  
 Assets Covered **88917 (1,850)**
85. Question Result, ID, References **Sat, RPT.RR.OPID.P, 191.22(a) (191.22(c), 191.22(d))**  
 Question Text *Does the process require the obtaining, and appropriate control, of Operator Identification Numbers (OPIDs), including changes in entity, acquisition/divestiture, and construction/update/uprate?*  
 Assets Covered **88917 (1,850)**

## TD.ATM: Atmospheric Corrosion

86. Question Result, ID, References **Sat, TD.ATM.ATMCORRODE.P, 192.605(b)(2) (192.479(a), 192.479(b), 192.479(c))**  
 Question Text *Does the process give adequate guidance identifying atmospheric corrosion and for protecting above ground pipe from atmospheric corrosion?*  
 Assets Covered **88917 (1,850)**
87. Question Result, ID, References **Sat, TD.ATM.ATMCORRODEINSP.P, 192.605(b)(2) (192.481(a), 192.481(b), 192.481(c))**  
 Question Text *Does the process give adequate instruction for the inspection of aboveground pipeline segments for atmospheric corrosion?*  
 Assets Covered **88917 (1,850)**

## TD.CPMONITOR: External Corrosion - CP Monitoring

88. Question Result, ID, References **Sat, TD.CPMONITOR.MONITORCRITERIA.P, 192.605(b)(2) (192.463(a), 192.463(c))**  
 Question Text *Does the process require CP monitoring criteria to be used that is acceptable?*  
 Assets Covered **88917 (1,850)**

89. Question Result, ID, References **Sat, TD.CPMONITOR.TEST.P, 192.605(b)(2) (192.465(a))**  
 Question Text *Does the process adequately describe how to monitor CP that has been applied to pipelines?*  
 Assets Covered **88917 (1,850)**
90. Question Result, ID, References **Sat, TD.CPMONITOR.CURRENTTEST.P, 192.605(b)(2) (192.465(b))**  
 Question Text *Does the process give sufficient details for making electrical checks of rectifiers or impressed current sources?*  
 Assets Covered **88917 (1,850)**
91. Question Result, ID, References **Sat, TD.CPMONITOR.REVCURRENTTEST.P, 192.605(b)(2) (192.465(c))**  
 Question Text *Does the process give sufficient details for making electrical checks of interference bonds, diodes, and reverse current switches?*  
 Assets Covered **88917 (1,850)**
92. Question Result, ID, References **Sat, TD.CPMONITOR.DEFICIENCY.P, 192.605(b)(2) (192.465(d))**  
 Question Text *Does the process require that the operator promptly correct any identified deficiencies in corrosion control?*  
 Assets Covered **88917 (1,850)**
93. Question Result, ID, References **Sat, TD.CPMONITOR.TESTSTATION.P, 192.469**  
 Question Text *Does the process contain provisions to assure that each pipeline has sufficient test stations or other contact points to determine the adequacy of cathodic protection?*  
 Assets Covered **88917 (1,850)**
94. Question Result, ID, References **Sat, TD.CPMONITOR.TESTLEAD.P, 192.605(b)(2) (192.471(a), 192.471(b), 192.471(c))**  
 Question Text *Does the process provide adequate instructions for the installation of test leads?*  
 Assets Covered **88917 (1,850)**
95. Question Result, ID, References **Sat, TD.CPMONITOR.INTFRCURRENT.P, 192.605(b)(2) (192.473(a))**  
 Question Text *Does the operator have a program in place to minimize detrimental effects of interference currents on its pipeline system and does the process for designing and installing cathodic protection systems provide for the minimization of detrimental effects of interference currents on existing adjacent metallic structures?*  
 Assets Covered **88917 (1,850)**
96. Question Result, ID, References **Sat, TD.CP.RECORDS.P, 192.605(b)(2) (192.491(a), 192.491(b), 192.491(c))** (also presented in: TD.CP, TD.CPEXPOSED)  
 Question Text *Does the process include records requirements for the corrosion control activities listed in 192.491?*  
 Assets Covered **88917 (1,850)**

## TD.CP: External Corrosion - Cathodic Protection

97. Question Result, ID, References **NA, TD.CP.POST1971.P, 192.605(b)(2) (192.455(a), 192.457(a), 192.452(a), 192.452(b))**  
 Question Text *Does the process require that each buried or submerged pipeline installed after July 31, 1971, be protected against external corrosion with a cathodic protection system within 1 year after completion of construction, conversion to service, or becoming jurisdictional onshore gathering?*  
 Assets Covered **88917 (1,850)**  
 Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**
98. Question Result, ID, References **NA, TD.CP.PRE1971.P, 192.605(b)(2) (192.457(b))**  
 Question Text *Does the process require that pipelines installed before August 1, 1971 (except for cast and ductile iron lines) which are 1) bare or ineffectively coated transmission lines or 2) bare or coated pipes in compressor, regulator or meter stations must be cathodically protected in areas where active corrosion is found?*  
 Assets Covered **88917 (1,850)**

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

99. Question Result, ID, References **NA, TD.CP.UNPROTECT.P, 192.605(b)(2) (192.465(e))**  
Question Text *Does the process give sufficient direction for the monitoring of external corrosion on buried pipelines that are not protected by cathodic protection?*  
Assets Covered **88917 (1,850)**  
Result Notes No such relevant facilities/equipment existed in the scope of inspection review.
100. Question Result, ID, References **Sat, TD.CP.ELECISOLATE.P, 192.605(b)(2) (192.467(a), 192.467(b), 192.467(c), 192.467(d), 192.467(e))**  
Question Text *Does the process give adequate guidance for electrically isolating each buried or submerged pipeline from other metallic structures unless they electrically interconnect and cathodically protect the pipeline and the other structures as a single unit?*  
Assets Covered **88917 (1,850)**
101. Question Result, ID, References **Sat, TD.CP.FAULTCURRENT.P, 192.605(b)(2) (192.467(f))**  
Question Text *Does the process give sufficient guidance for determining when protection against damage from fault currents or lightning is needed and how that protection must be installed?*  
Assets Covered **88917 (1,850)**
102. Question Result, ID, References **Sat, TD.CP.RECORDS.P, 192.605(b)(2) (192.491(a), 192.491(b), 192.491(c))** (also presented in: TD.CP.MONITOR, TD.CP.EXPOSED)  
Question Text *Does the process include records requirements for the corrosion control activities listed in 192.491?*  
Assets Covered **88917 (1,850)**

## TD.COAT: External Corrosion - Coatings

103. Question Result, ID, References **Sat, TD.COAT.NEWPIPE.P, 192.605(b)(2) (192.455(a)(1), 192.461(a), 192.461(b), 192.483(a))**  
Question Text *Does the process require that each buried or submerged pipeline installed after July 31, 1971 be externally coated with a material that is adequate for underground service on a cathodically protected pipeline?*  
Assets Covered **88917 (1,850)**
104. Question Result, ID, References **Sat, TD.COAT.NEWPIPEINSTALL.P, 192.605(b)(2) (192.461(c), 192.461(d), 192.461(e), 192.483(a))**  
Question Text *Does the process give adequate guidance for the application and inspection of protective coatings on pipe?*  
Assets Covered **88917 (1,850)**

## TD.CPEXPOSED: External Corrosion - Exposed Pipe

105. Question Result, ID, References **Sat, TD.CPEXPOSED.EXPOSEINSPECT.P, 192.605(b)(2) (192.459)**  
Question Text *Does the process require that exposed portions of buried pipeline be examined for external corrosion and coating deterioration, and if external corrosion is found, further examination is required to determine the extent of the corrosion?*  
Assets Covered **88917 (1,850)**
106. Question Result, ID, References **Sat, TD.CP.RECORDS.P, 192.605(b)(2) (192.491(a), 192.491(b), 192.491(c))** (also presented in: TD.CP.MONITOR, TD.CP)  
Question Text *Does the process include records requirements for the corrosion control activities listed in 192.491?*  
Assets Covered **88917 (1,850)**

## TD.ICP: Internal Corrosion - Preventive Measures

107. Question Result, ID, References **Sat, TD.ICP.EXAMINE.P, 192.605(b)(2) (192.475(a), 192.475(b))**  
Question Text *Does the process direct personnel to examine removed pipe for evidence of internal corrosion?*

Assets Covered 88917 (1,850)

108. Question Result, ID, References Sat, TD.ICP.EVALUATE.P, 192.605(b)(2) (192.485(c))

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

Assets Covered 88917 (1,850)

109. Question Result, ID, References Sat, TD.ICP.REPAIR.P, 192.491(c) (192.485(a), 192.485(b))

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

Assets Covered 88917 (1,850)

## TD.ICCG: Internal Corrosion - Corrosive Gas

110. Question Result, ID, References Sat, TD.ICCG.CORRGAS.P, 192.605(b)(2) (192.475(a))

Question Text *Does the process require that the corrosive effect of the gas in the pipeline be investigated and if determined to be corrosive, steps be taken to minimize internal corrosion?*

Assets Covered 88917 (1,850)

111. Question Result, ID, References Sat, TD.ICCG.CORRGASACTION.P, 192.605(b)(2) (192.477)

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

Assets Covered 88917 (1,850)

## TD.SP: Special Permits

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

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

Assets Covered 88917 (1,850)

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

## TQ.QU: Qualification of Personnel - Specific Requirements

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

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

Assets Covered 88917 (1,850)

114. Question Result, ID, References Sat, TQ.QU.HOTTAPQUAL.P, 192.627 (192.805(b))

Question Text *Does the process require taps on a pipeline under pressure (hot taps) to be performed by qualified personnel?*

Assets Covered 88917 (1,850)

115. Question Result, ID, References Sat, TQ.QU.EXCAVATE.P, 192.805(b) (ADB-06-01, 192.801, 192.328)

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

Assets Covered 88917 (1,850)

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

116. Question Result, ID, [Sat, TQ.QUOMCONST.WELDER.P, 192.227\(a\) \(192.225\(a\), 192.225\(b\), 192.328\(a\), 192.328\(b\),](#)  
References [192.805\(b\)](#))

Question Text *Does the process require welders to be qualified in accordance with API 1104 or the ASME Boiler & Pressure Vessel Code?*

Assets Covered [88917 \(1,850\)](#)

117. Question Result, ID, [Sat, TQ.QUOMCONST.WELDERLOWSTRESS.P, 192.227\(b\) \(192.225\(a\), 192.225\(b\), 192.805\(b\)\)](#)  
References

Question Text *Does the process require welders who perform welding on low stress pipe on lines that operate at < 20% SMYS to be qualified under Section I of Appendix C to Part 192, and are welders who perform welding on service line connection to a main required to be qualified under Section II of Appendix C to Part 192?*

Assets Covered [88917 \(1,850\)](#)

## TQ.TR: Training of Personnel

118. Question Result, ID, [Sat, TQ.TR.TRAINING.P, 192.615\(b\)\(2\) \(192.805\(b\)\)](#)  
References

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

Assets Covered [88917 \(1,850\)](#)

119. Question Result, ID, [Sat, TQ.TR.TRAININGREVIEW.P, 192.615\(b\)\(3\)](#)  
References

Question Text *Does the process require review of emergency response personnel performance?*

Assets Covered [88917 \(1,850\)](#)

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Report Parameters: Results: all

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