

# Inspection Output (IOR)

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## Inspection Information

Inspection Name <b>AIRGAS OQ</b>	Operator(s) <b>AIRGAS MERCHANT GAS KALAMA (39624)</b>	Plan Submitted <b>01/15/2019</b>
Status <b>PLANNED</b>	Lead <b>Anthony DorrOUGH</b>	Plan Approval <b>01/18/2019</b> by Joe Subsits
Start Year <b>2019</b>	Observer(s) <b>Rell Koizumi</b>	All Activity Start <b>03/07/2019</b>
System Type <b>GT</b>	Supervisor <b>Joe Subsits</b>	All Activity End <b>03/08/2019</b>
Protocol Set ID <b>GT.2018.02</b>	Director <b>Sean Mayo</b>	Inspection Submitted <b>--</b>
		Inspection Approval <b>--</b>

## Scope (Assets)

Short # Label	Long Label	Asset Type	Asset IDs	Excluded Topics	Planned	Required	Inspected	Total	Required % Complete
1. AIRGAS	AIRGAS Merchant Gas Kalama	unit	--	Compressor Stations Storage Fields Bottle/Pipe - Holders Vault Service Line Offshore GOM OCS Cast or Ductile Iron Copper Pipe Aluminum pipe Plastic pipe AMAOP CDA Abandoned	51	51	51	51	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	n/a	TQ	P, R, O, S	Detail	

## Plan Implementations

Activity # Name	SMART Act#	Start Date End Date	Focus Directives	Involved Groups/Subgroups	Assets	Qst Type(s)	Planned	Required	Inspected	Total	Required % Complete
1. AIRGAS OQ	--	03/07/2019 03/08/2019	n/a	TQ	all assets	all types	51	51	51	51	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, 51 results)

### TQ.PROT9: OQ Protocol 9

1. Question Result, ID, References **NA, TQ.PROT9.CORRECTION.O, 192.801(a) (192.809(a))**  
Question Text *Have potential issues identified by the OQ plan inspection process been corrected at the operational level?*  
Assets Covered **AIRGAS**  
Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
2. 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**  
Result Notes **Don't maintain individual OQ records past 3-year qualification/**
3. 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**
4. 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**
5. 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**

### TQ.OQ: Operator Qualification

6. Question Result, ID, References **Sat, TQ.OQ.OQPLAN.P, 192.805(a) (192.801(b))**  
Question Text *Is there an OQ plan that includes covered tasks, and the basis used for identifying covered tasks?*  
Assets Covered **AIRGAS**  
Result Notes **Last change Oct. 2017**
7. Question Result, ID, References **Sat, TQ.OQ.REEVALINTERVAL.P, 192.805(g)**  
Question Text *Does the OQ plan establish and justify requirements for reevaluation intervals for each covered task?*  
Assets Covered **AIRGAS**
8. Question Result, ID, References **Sat, TQ.OQ.NONQUALIFIED.P, 192.805(c)**  
Question Text *Does the OQ plan contain provisions for non-qualified individuals to perform covered tasks while being directed and observed by a qualified individual, and are appropriate restrictions and limitations placed on such activities?*

Assets Covered AIRGAS

Result Notes 3.1.1- Non Qualified Individuals

9. Question Result, ID, References Sat, TQ.OQ.EVALMETHOD.P, 192.805(b) (192.803, 192.809(d), 192.809(e))  
Question Text *Are evaluation methods established and documented appropriate to each covered task?*  
Assets Covered AIRGAS  
Result Notes 4.1- Third Party Vendor Qualifications
10. 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
11. 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
12. Question Result, ID, References Sat, TQ.OQ.TRAINING.P, 192.805(h)  
Question Text *Does the OQ program provide for initial qualification, retraining and reevaluation of individuals performing covered tasks?*  
Assets Covered AIRGAS  
Result Notes 3..3 Initial Qualification
13. Question Result, ID, References Sat, TQ.OQ.TRAINING.R, 192.807(a) (192.807(b))  
Question Text *Does the operator have records for initial qualification, retraining and reevaluation of individuals performing covered tasks?*  
Assets Covered AIRGAS
14. Question Result, ID, References Sat, TQ.OQ.OQPLANCONTRACTOR.P, 192.805(b) (192.805(f), 192.805(c))  
Question Text *Does the OQ plan have a process to communicate the OQ plan requirements to contractors and ensure that contractors are following it?*  
Assets Covered AIRGAS  
Result Notes Located in 4.2 Contractor Operator Procedures.
15. Question Result, ID, References Sat, TQ.OQ.OQCONTRACTOR.P, 192.805(b) (192.805(c), 192.805(d), 192.805(e), 192.805(f))  
Question Text *Does the OQ plan require other entities that perform covered tasks on behalf of the operator to be qualified?*  
Assets Covered AIRGAS  
Result Notes Located in 4.0 Contractor Qualification
16. Question Result, ID, References NA, TQ.OQ.OQCONTRACTOREQUIV.P, 192.805(h)  
Question Text *Does the OQ plan document that the operator has assured that the processes on which an OQ vendor has evaluated qualified personnel are the same or consistent with those used by the operator for employees and contractors in the field?*  
Assets Covered AIRGAS
17. Question Result, ID, References NA, TQ.OQ.OTHERENTITY.R, 192.805(b) (192.805(c), 192.803)  
Question Text *If the operator employs other entities to perform covered tasks, such as mutual assistance, are adequate records containing the required elements maintained?*  
Assets Covered AIRGAS
18. Question Result, ID, References Sat, TQ.OQ.ABNORMAL.P, 192.803

Question Text *Does the OQ Plan contain requirements to assure that individuals performing covered tasks are able to recognize and react to abnormal operating conditions (AOCs)?*

Assets Covered AIRGAS

19. Question Result, ID, References Sat, TQ.OQ.ABNORMAL.R, 192.807(a) (192.807(b), 192.803)

Question Text *Do records document evaluation of qualified individuals for recognition and reaction to AOCs?*

Assets Covered AIRGAS

20. Question Result, ID, References Sat, TQ.OQ.ABNORMAL.O, 192.803

Question Text *Do individuals performing covered tasks have adequate knowledge to recognize and react to abnormal operating conditions?*

Assets Covered AIRGAS

21. Question Result, ID, References Sat, TQ.OQ.PERFMONITOR.P, 192.805(d) (192.805(e))

Question Text *Does the program include provisions to evaluate an individual if there is reason to believe that performance of a covered task contributed to an incident or accident as defined in Parts 192 and 195 or there is reason to believe an individual is no longer qualified to perform a covered task?*

Assets Covered AIRGAS

Result Notes Located in 3.7 After Incident

22. Question Result, ID, References NA, TQ.OQ.PERFMONITOR.R, 192.805(d) (192.805(e))

Question Text *If the operator had an incident/accident where there is reason to believe that an individual contributed to the cause, do records indicate evaluation of the individual following the occurrence?*

Assets Covered AIRGAS

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

23. Question Result, ID, References Sat, TQ.OQ.OQPLAN.O, 192.805(h)

Question Text *Do individuals performing covered tasks demonstrate adequate skills, knowledge, and ability?*

Assets Covered AIRGAS

24. Question Result, ID, References Sat, TQ.OQ.MOC.P, 192.805(f)

Question Text *Does the OQ program identify how changes to processes, tools standards and other elements used by individuals in performing covered tasks are communicated to the individuals, including contractor individuals, and how these changes are implemented in the evaluation method(s)?*

Assets Covered AIRGAS

Result Notes Located in 1.5 MOC

25. Question Result, ID, References Sat, TQ.OQ.CHANGENOTIFY.P, 192.805(i)

Question Text *Does the process require significant OQ program changes to be identified and the Administrator or State agency notified?*

Assets Covered AIRGAS

Result Notes Located in 1.6 Process Review Continuous Improvements and Updates

26. Question Result, ID, References NA, TQ.OQ.CHANGERECD.R, 192.805(i) (192.805(f))

Question Text *Are records maintained for changes that affect covered tasks and significant OQ plan changes?*

Assets Covered AIRGAS

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

27. 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 AIRGAS

Result Notes Located in CT01-1.1 Conducting Annual Cathodic Survey

28. 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
29. Question Result, ID, References NA, 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 AIRGAS
30. Question Result, ID, References NA, TQ.QU.HOTTAPQUAL.R, 192.627 (192.807(a), 192.807(b))  
Question Text *Do records indicate the qualification of personnel performing hot taps?*  
Assets Covered AIRGAS
31. Question Result, ID, References NA, TQ.QU.HOTTAPQUAL.O, 192.627 (192.805(h))  
Question Text *Do personnel performing hot taps demonstrate adequate skills and knowledge?*  
Assets Covered AIRGAS
32. 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 AIRGAS  
Result Notes Located in CT020
33. Question Result, ID, References NA, TQ.QU.EXCAVATE.R, 192.807(a) (192.807(b), ADB-06-01, 192.801, 192.328)  
Question Text *Do records indicate qualification of individuals who oversee marking, trenching, and backfilling operations?*  
Assets Covered AIRGAS
34. Question Result, ID, References NA, TQ.QU.EXCAVATE.O, 192.805(b) (192.805(h), ADB-06-01, 192.801(a), 192.328(a), 192.328(c))  
Question Text *Do individuals who oversee marking, trenching, and backfilling operations demonstrate adequate skills and knowledge?*  
Assets Covered AIRGAS  
Result Notes No such activity/condition was observed during the inspection.

## TQ.QUIM: Qualification of Personnel - Specific Requirements (IM)

35. Question Result, ID, References NA, TQ.QUIM.IMREVIEWQUAL.P, 192.915(a) (192.915(b), 192.915(c), 192.935(b))  
Question Text *Does the process require that operator/vendor personnel (including supervisors and persons responsible for preventive and mitigative measures), who review and evaluate results meet acceptable qualification standards?*  
Assets Covered AIRGAS  
Result Notes No such requirement existed in the scope of inspection review.
36. Question Result, ID, References NA, TQ.QUIM.IMREVIEWQUAL.R, 192.947(e) (192.915(a), 192.915(b), 192.915(c), 192.935(b)(1)(i), 192.947(d))  
Question Text *Do records indicate adequate qualification of integrity management personnel?*  
Assets Covered AIRGAS
37. Question Result, ID, References NA, TQ.QUIM.IMQC.P, 192.805(b) (ASME B31.8S-2004, Section 12.2(b)(4), 192.935(b)(1)(i), 192.907(b), 192.911(l))  
Question Text *Does the process require personnel who execute IM program activities to be competent and qualified in accordance with the quality control plan in accordance with ASME B31.8S-2004, Section 12.2(b)(4)?*

Assets Covered AIRGAS

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

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

38. Question Result, ID, References NA, TQ.QUOMCONST.INSPECTOR.P, 192.241(a) (192.241(c), 192.805(b), 192.328(a), 192.328(b))  
Question Text *Does the process require welding inspection personnel to be adequately trained and qualified?*  
Assets Covered AIRGAS
39. Question Result, ID, References NA, TQ.QUOMCONST.INSPECTOR.R, 192.241(a) (192.241(c), 192.807(a), 192.807(b))  
Question Text *Do records indicate adequate qualification documentation for personnel who conduct welding inspections?*  
Assets Covered AIRGAS
40. Question Result, ID, References NA, TQ.QUOMCONST.INSPECTOR.O, 192.241(a) (192.241(c))  
Question Text *Does the welding inspector demonstrate adequate skills and knowledge?*  
Assets Covered AIRGAS
41. 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  
Result Notes No such requirement existed in the scope of inspection review.
42. 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
43. Question Result, ID, References Sat, TQ.QUOMCONST.WELDER.P, 192.227(a) (192.225(a), 192.225(b), 192.328(a), 192.328(b), 192.805(b))  
Question Text *Does the process require welders to be qualified in accordance with API 1104 or the ASME Boiler & Pressure Vessel Code?*  
Assets Covered AIRGAS  
Result Notes Located in CT038 Welding on pipeline
44. Question Result, ID, References NA, TQ.QUOMCONST.WELDERLOWSTRESS.P, 192.227(b) (192.225(a), 192.225(b), 192.805(b))  
Question Text *Does the process require welders who perform welding on low stress pipe on lines that operate at < 20% SMYS to be qualified under Section I of Appendix C to Part 192, and are welders who perform welding on service line connection to a main required to be qualified under Section II of Appendix C to Part 192?*  
Assets Covered AIRGAS  
Result Notes No such requirement existed in the scope of inspection review.
45. Question Result, ID, References NA, TQ.QUOMCONST.WELDER.O, 192.227(a) (192.227(b), 192.229(a), 192.229(b), 192.229(c), 192.229(d), 192.803, 192.328(a), 192.328(b))  
Question Text *Do welders demonstrate adequate skills and knowledge?*  
Assets Covered AIRGAS  
Result Notes No such requirement existed in the scope of inspection review.
46. Question Result, ID, References Sat, TQ.QUOMCONST.NDT.P, 192.243(b)(2) (192.803, 192.805(b), 192.805(h), 192.328(a), 192.328(b))  
Question Text *Does the process require nondestructive testing of welds performed by personnel trained and qualified in processes and in use of the testing equipment?*  
Assets Covered AIRGAS  
Result Notes Located in CT066-68 Performance

47. Question Result, ID, References **NA, TQ.QUOMCONST.NDT.O, 192.243(b)(2) (192.803, 192.328(a), 192.328(b))**  
Question Text *Do nondestructive testing personnel demonstrate adequate skills and knowledge?*  
Assets Covered **AIRGAS**  
Result Notes **No such requirement existed in the scope of inspection review.**

## **TQ.TR: Training of Personnel**

48. Question Result, ID, References **Sat, TQ.TR.TRAINING.P, 192.615(b)(2) (192.805(b))**  
Question Text *Does the process require a continuing training program to be in place to effectively instruct emergency response personnel?*  
Assets Covered **AIRGAS**  
Result Notes **Located in 2.7 Emergency Response**
49. 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**  
Result Notes **Airgas uses paradigm**
50. Question Result, ID, References **Sat, TQ.TR.TRAINING.O, 192.615(b)(2) (192.805(b))**  
Question Text *Do emergency response personnel demonstrate adequate skills and knowledge?*  
Assets Covered **AIRGAS**  
Result Notes **Participates in coordinated response exercises annually**
51. Question Result, ID, References **Sat, TQ.TR.TRAININGREVIEW.P, 192.615(b)(3)**  
Question Text *Does the process require review of emergency response personnel performance?*  
Assets Covered **AIRGAS**  
Result Notes **Located in O&M P-192.615(a)- Accident Investigation and refers to P-192.617**

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*Report Parameters: Results: all*

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