

# Inspection Output (IOR)

Generated on 2022.September.20 13:28

## Report Filters

Assets AIRGAS Merchant Gas Kalama / 88917 (1,850)

Results All

## Inspection Information

Inspection Name	Airgas Section 114 Checklist	Operator(s)	AIRGAS MERCHANT GAS KALAMA (39624)	Plan Submitted	03/14/2022
		Lead	Scott Anderson	Plan Approval	03/15/2022
Status	PLANNED	Team Members	David Cullom, Dennis Ritter, Lex Vinsel, Anthony Dorrough, Derek Norwood, Darren Tinnerstet		by Scott Rukke
Start Year	2022	Observer(s)	Deborah Becker, Rell Koizumi	All Activity Start	09/19/2022
System Type	GT	Supervisor	Scott Rukke	All Activity End	09/19/2022
Protocol Set ID	GT.2022.02	Director	Sean Mayo	Inspection Submitted	--
				Inspection Approval	--

## Inspection Summary

### Inspection Scope and Summary

This is a Airgas, Kalama, PIPES Act of 2020 Section 114 inspection.

### SYSTEM DESCRIPTION

Commodity: Hydrogen Gas

Pipe Type: Steel

Pipe Size: 2"

MAOP: 285psig

Length: 2.16 miles

Class Location: 2

### Facilities visited and Total AFOD

1 AFOD

### Summary of Significant Findings

No findings

### Primary Operator contacts and/or participants

Scott Moon, Plant Manager, Airgas Kalama

**Operator executive contact and mailing address for any official correspondence**

Bill Madsen

12800 West Little York Rd.

Houston, Texas 77041

## Scope (Assets)

#	Short Name	Long Name	Asset Type	Asset IDs	Excluded Topics	Planned	Required	Inspected	Total	Required % Complete
1.	88917 (1,850)	AIRGAS Merchant Gas Kalama	unit	88917	--	24	24	24	24	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.	88917 (1,850)	--	114	P, R, O, S	Detail	--

## Plan Implementations

#	Activity Name	SMAR T Act#	Start Date	End Date	Focus Directives	Involved Groups/Subgroups	Asset s	Qst Type(s)	Planned	Required	Inspected	Total	Required % Complete
1	Airgas 114 questions	--	09/19/2022	09/19/2022	--	114	all assets	all types	24	24	24	24	100.0%

- 1. Since questions may be implemented in multiple activities, but answered only once, questions may be represented more than once in this table.
- 2. Percent completion excludes unanswered questions planned as "always observe".
- 3. Question counts and completion percents are filtered to include only questions planned for and results applied to the filtered Assets.

## Forms

No.	Entity	Form Name	Status	Date Completed	Activity Name	Asset
1.	Attendance List	Airgas 114 questions	COMPLETED	09/20/2022	Airgas 114 questions	88917 (1,850)

## Results (all values, 24 results)

58 (instead of 24) results are listed due to re-presentation of questions in more than one sub-group.

### 114.GT: Section 114 - Gas Transmission

- 1. Question Result, ID, References **NIC, SRN.114.INSPECTCVRG.S**, (also presented in: 114.UNGS, 114.GGBOOST)

Question Text *What are your assets comprised of?*

Assets Covered 88917 (1,850)

Result Notes Airgas pipeline consists of 2.18 miles of a 2" steel Hydrogen pipeline. MAOP 294psig, operating at 185psig.

2. Question Result, ID, References NA, SRN.114.GASTRANSPORT.S, (also presented in: 114.UNGS, 114.GGBOOST)

Question Text *Do you transport natural gas as a specific commodity (i.e., not a byproduct or constituent of another substance)?*

Assets Covered 88917 (1,850)

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

3. Question Result, ID, References NA, SRN.114.DRIVERENGINE.S, (also presented in: 114.UNGS, 114.GGBOOST)

Question Text *Do you use natural gas-fueled drivers or engines to compress natural gas?*

Assets Covered 88917 (1,850)

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

4. Question Result, ID, References NA, SRN.114.NGUSE.S, (also presented in: 114.UNGS, 114.GGBOOST)

Question Text *Do you use natural gas for fuel or power appurtenances or instrument gas on regulated facilities?*

Assets Covered 88917 (1,850)

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

5. Question Result, ID, References NA, 114.114.COMPRESSOR.P, 49 U.S.C. 60108(a) (also presented in: 114.UNGS, 114.GGBOOST)

Question Text *Do the maintenance and operations procedures for compressors include provisions to minimize fugitive natural gas losses?*

Assets Covered 88917 (1,850)

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

6. Question Result, ID, References NA, 114.114.DRIVERENGINE.P, 49 U.S.C. 60108(a) (also presented in: 114.UNGS, 114.GGBOOST)

Question Text *Do maintenance procedures include measures for monitoring and correcting incomplete combustion of natural gas in driver or engine exhausts and taking corrective action if identified?*

Assets Covered 88917 (1,850)

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

7. Question Result, ID, References NA, 114.114.LKRLSID.P, 49 U.S.C. 60108(a) (also presented in: 114.GGBOOST)

Question Text *Do procedures provide a methodology for identifying sources of fugitive natural gas emissions in the system?*

Assets Covered 88917 (1,850)

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

8. Question Result, ID, References NA, 114.114.LKRLSVENT.P, 49 U.S.C. 60108(a) (also presented in: 114.UNGS, 114.GGBOOST)

Question Text *Do procedures identify measures for minimizing natural gas release volumes associated with non-emergency venting and blowdowns from operations and maintenance?*

Assets Covered 88917 (1,850)

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

9. Question Result, ID, References NA, 114.114.LKRLSUNEXPCTVENT.P, 49 U.S.C. 60108(a) (also presented in: 114.UNGS, 114.GGBOOST)

Question Text *Do procedures provide for investigation of any unanticipated vented releases of natural gas, and if so, what are the associated actions?*

Assets Covered 88917 (1,850)

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

10. Question Result, ID, References NA, 114.114.LKRLSLKDATA.P, 49 U.S.C. 60108(a) (also presented in: 114.UNGS, 114.GGBOOST)

- Question Text *Do procedures include a methodology to collect, retain and analyze detailed information from detected natural gas leaks, including those eliminated by lubrication, adjustment, tightening or otherwise below thresholds for regulatory reporting?*
- Assets Covered 88917 (1,850)
- Result Notes No such relevant facilities/equipment existed in the scope of inspection review. Hydrogen pipeline
11. Question Result, ID, References NA, 114.114.LKRLSDETECTLK.P, 49 U.S.C. 60108(a)
- Question Text *Do procedures include instructions for personnel to detect leaks to help further reduce emission in stations and along the right of way?*
- Assets Covered 88917 (1,850)
- Result Notes No such relevant facilities/equipment existed in the scope of inspection review. Hydrogen pipeline
12. Question Result, ID, References NA, 114.114.LKMITGRPRREPAIR.P, 49 U.S.C. 60108(a)
- Question Text *Do procedures provide alternatives to cutouts (to reduce emissions)?*
- Assets Covered 88917 (1,850)
- Result Notes No such event occurred, or condition existed, in the scope of inspection review.
13. Question Result, ID, References NA, 114.114.TESTESD.P, 49 U.S.C. 60108(a) (also presented in: 114.GGBOOST)
- Question Text *Do procedures contain measures for ensuring ESD testing minimizes natural gas releases?*
- Assets Covered 88917 (1,850)
- Result Notes No such relevant facilities/equipment existed in the scope of inspection review. Hydrogen pipeline
14. Question Result, ID, References NA, 114.114.TESTRELIEFVLV.P, 49 U.S.C. 60108(a) (also presented in: 114.UNGS, 114.GGBOOST)
- Question Text *Do relief valve testing procedures include measures to minimize natural gas releases?*
- Assets Covered 88917 (1,850)
- Result Notes No such event occurred, or condition existed, in the scope of inspection review. Hydrogen pipeline
15. Question Result, ID, References NA, 114.114.FLARE.P, 49 U.S.C. 60108(a) (also presented in: 114.GGBOOST)
- Question Text *Do procedures for flaring from pipeline facilities for transporting natural gas include measures for minimization of natural gas emissions?*
- Assets Covered 88917 (1,850)
- Result Notes No such relevant facilities/equipment existed in the scope of inspection review. Hydrogen pipeline
16. Question Result, ID, References NA, 114.114.GNLDSGNCNFG.P, 49 U.S.C. 60108(a) (also presented in: 114.UNGS, 114.GGBOOST)
- Question Text *Do operation and maintenance procedures contain mechanisms for identifying potential design/configuration changes for reducing natural gas releases?*
- Assets Covered 88917 (1,850)
- Result Notes No such relevant facilities/equipment existed in the scope of inspection review. Hydrogen pipeline
17. Question Result, ID, References NA, 114.114.GNLCMPSTATION.P, 49 U.S.C. 60108(a) (also presented in: 114.GGBOOST)
- Question Text *Do procedures contain mechanisms for minimizing natural gas emissions from operations and maintenance activities within a compressor station (i.e., beyond compressor/driver-specific procedures)?*
- Assets Covered 88917 (1,850)
- Result Notes No such relevant facilities/equipment existed in the scope of inspection review. Hydrogen pipeline
18. Question Result, ID, References NA, 114.LEAKPRONE.LKRLS.P, 49 U.S.C. 60108(a) (also presented in: 114.UNGS, 114.GGBOOST)
- Question Text *What procedures are in place to monitor for and identify pipe segments that are leak-prone, and what criteria (e.g., frequency of leak or failure events) are specified for determining a pipeline segment is leak-prone?*
- Assets Covered 88917 (1,850)
- Result Notes No such event occurred, or condition existed, in the scope of inspection review. No leak prone pipe
19. Question Result, ID, References NA, 114.LEAKPRONE.LKRLSLKDATA.P, 49 U.S.C. 60108(a) (also presented in: 114.UNGS, 114.GGBOOST)

Question Text *Do procedures include a methodology to collect, retain and analyze detailed information from detected leaks, including those eliminated by lubrication, adjustment, tightening or otherwise below thresholds for regulatory reporting?*

Assets Covered 88917 (1,850)

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

20. Question Result, ID, NA, 114.LEAKPRONE.LKMITGRPREXAMPLE.P, 49 U.S.C. 60108(a) (also presented in: 114.UNGS, References 114.GGBOOST)

Question Text *Do procedures identify cast iron, unprotected steel, wrought iron, and vintage plastic pipe with known leak issues?*

Assets Covered 88917 (1,850)

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

21. Question Result, ID, NA, 114.LEAKPRONE.LKMITGRPROTHER.P, 49 U.S.C. 60108(a) (also presented in: 114.UNGS, References 114.GGBOOST)

Question Text *Do procedures clearly define a process to address replacement or remediation of pipe segments with known leak issues beyond those specifically identified in Section 114?*

Assets Covered 88917 (1,850)

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

## 114.UNGS: Section 114 - Underground Natural Gas Storage

22. Question Result, ID, NIC, SRN.114.INSPECTCVRG.S, (also presented in: 114.GT, 114.GGBOOST) References

Question Text *What are your assets comprised of?*

Assets Covered 88917 (1,850)

Result Notes Airgas pipeline consists of 2.18 miles of a 2" steel Hydrogen pipeline. MAOP 294psig, operating at 185psig.

23. Question Result, ID, NA, SRN.114.GASTRANSPORT.S, (also presented in: 114.GT, 114.GGBOOST) References

Question Text *Do you transport natural gas as a specific commodity (i.e., not a byproduct or constituent of another substance)?*

Assets Covered 88917 (1,850)

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

24. Question Result, ID, NA, SRN.114.DRIVERENGINE.S, (also presented in: 114.GT, 114.GGBOOST) References

Question Text *Do you use natural gas-fueled drivers or engines to compress natural gas?*

Assets Covered 88917 (1,850)

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

25. Question Result, ID, NA, SRN.114.NGUSE.S, (also presented in: 114.GT, 114.GGBOOST) References

Question Text *Do you use natural gas for fuel or power appurtenances or instrument gas on regulated facilities?*

Assets Covered 88917 (1,850)

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

26. Question Result, ID, NA, 114.114.COMPRESSOR.P, 49 U.S.C. 60108(a) (also presented in: 114.GT, 114.GGBOOST) References

Question Text *Do the maintenance and operations procedures for compressors include provisions to minimize fugitive natural gas losses?*

Assets Covered 88917 (1,850)

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

27. Question Result, ID, NA, 114.114.DRIVERENGINE.P, 49 U.S.C. 60108(a) (also presented in: 114.GT, 114.GGBOOST) References

Question Text *Do maintenance procedures include measures for monitoring and correcting incomplete combustion of natural gas in driver or engine exhausts and taking corrective action if identified?*

Assets Covered 88917 (1,850)

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

28. Question Result, ID, References **NA, 114.114.LKRLSVENT.P, 49 U.S.C. 60108(a)** (also presented in: 114.GT, 114.GGBOOST)  
 Question Text *Do procedures identify measures for minimizing natural gas release volumes associated with non-emergency venting and blowdowns from operations and maintenance?*  
 Assets Covered **88917 (1,850)**  
 Result Notes **No such relevant facilities/equipment existed in the scope of inspection review. Hydrogen pipeline.**
29. Question Result, ID, References **NA, 114.114.LKRLSUNEXPCTVENT.P, 49 U.S.C. 60108(a)** (also presented in: 114.GT, 114.GGBOOST)  
 Question Text *Do procedures provide for investigation of any unanticipated vented releases of natural gas, and if so, what are the associated actions?*  
 Assets Covered **88917 (1,850)**  
 Result Notes **No such relevant facilities/equipment existed in the scope of inspection review. Hydrogen pipeline**
30. Question Result, ID, References **NA, 114.114.LKRLSLKDATA.P, 49 U.S.C. 60108(a)** (also presented in: 114.GT, 114.GGBOOST)  
 Question Text *Do procedures include a methodology to collect, retain and analyze detailed information from detected natural gas leaks, including those eliminated by lubrication, adjustment, tightening or otherwise below thresholds for regulatory reporting?*  
 Assets Covered **88917 (1,850)**  
 Result Notes **No such relevant facilities/equipment existed in the scope of inspection review. Hydrogen pipeline**
31. Question Result, ID, References **NA, 114.114.LKRLSWELLHD.P, 49 U.S.C. 60108(a)**  
 Question Text *Do procedures provide for periodic leakage surveys around the wellhead?*  
 Assets Covered **88917 (1,850)**  
 Result Notes **No such relevant facilities/equipment existed in the scope of inspection review. No underground storage.**
32. Question Result, ID, References **NA, 114.114.LKRLSANN.P, 49 U.S.C. 60108(a)**  
 Question Text *Do procedures provide for periodic checking of wellhead annuluses for indications of leaks (e.g., unexplained pressure variations)?*  
 Assets Covered **88917 (1,850)**  
 Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**
33. Question Result, ID, References **NA, 114.114.LKRLSFIELD.P, 49 U.S.C. 60108(a)**  
 Question Text *Do procedures provide for leak surveys for well casing containment or geologic issues?*  
 Assets Covered **88917 (1,850)**  
 Result Notes **No such relevant facilities/equipment existed in the scope of inspection review. No UGS**
34. Question Result, ID, References **NA, 114.114.TESTRELIEFVLV.P, 49 U.S.C. 60108(a)** (also presented in: 114.GT, 114.GGBOOST)  
 Question Text *Do relief valve testing procedures include measures to minimize natural gas releases?*  
 Assets Covered **88917 (1,850)**  
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review. Hydrogen pipeline**
35. Question Result, ID, References **NA, 114.114.GNLDSGNCNFG.P, 49 U.S.C. 60108(a)** (also presented in: 114.GT, 114.GGBOOST)  
 Question Text *Do operation and maintenance procedures contain mechanisms for identifying potential design/configuration changes for reducing natural gas releases?*  
 Assets Covered **88917 (1,850)**  
 Result Notes **No such relevant facilities/equipment existed in the scope of inspection review. Hydrogen pipeline**
36. Question Result, ID, References **NA, 114.LEAKPRONE.LKRLS.P, 49 U.S.C. 60108(a)** (also presented in: 114.GT, 114.GGBOOST)  
 Question Text *What procedures are in place to monitor for and identify pipe segments that are leak-prone, and what criteria (e.g., frequency of leak or failure events) are specified for determining a pipeline segment is leak-prone?*  
 Assets Covered **88917 (1,850)**  
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review. No leak prone pipe**

37. Question Result, ID, References **NA, 114.LEAKPRONE.LKRLSLKDATA.P, 49 U.S.C. 60108(a)** (also presented in: 114.GT, 114.GGBOOST)  
 Question Text *Do procedures include a methodology to collect, retain and analyze detailed information from detected leaks, including those eliminated by lubrication, adjustment, tightening or otherwise below thresholds for regulatory reporting?*  
 Assets Covered **88917 (1,850)**  
 Result Notes **No such relevant facilities/equipment existed in the scope of inspection review. Hydrogen pipeline**
38. Question Result, ID, References **NA, 114.LEAKPRONE.LKMITGRPREXAMPLE.P, 49 U.S.C. 60108(a)** (also presented in: 114.GT, 114.GGBOOST)  
 Question Text *Do procedures identify cast iron, unprotected steel, wrought iron, and vintage plastic pipe with known leak issues?*  
 Assets Covered **88917 (1,850)**  
 Result Notes **No such relevant facilities/equipment existed in the scope of inspection review. Pipeline quality steel.**
39. Question Result, ID, References **NA, 114.LEAKPRONE.LKMITGRPROTHER.P, 49 U.S.C. 60108(a)** (also presented in: 114.GT, 114.GGBOOST)  
 Question Text *Do procedures clearly define a process to address replacement or remediation of pipe segments with known leak issues beyond those specifically identified in Section 114?*  
 Assets Covered **88917 (1,850)**  
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review. No leaks.**

## 114.GGBOOST: Section 114 - Gas Gathering & Boosting

40. Question Result, ID, References **NIC, SRN.114.INSPECTCVRG.S,** (also presented in: 114.GT, 114.UNGS)  
 Question Text *What are your assets comprised of?*  
 Assets Covered **88917 (1,850)**  
 Result Notes **Airgas pipeline consists of 2.18 miles of a 2" steel Hydrogen pipeline. MAOP 294psig, operating at 185psig.**
41. Question Result, ID, References **NA, SRN.114.GASTRANSPORT.S,** (also presented in: 114.GT, 114.UNGS)  
 Question Text *Do you transport natural gas as a specific commodity (i.e., not a byproduct or constituent of another substance)?*  
 Assets Covered **88917 (1,850)**  
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
42. Question Result, ID, References **NA, SRN.114.DRIVERENGINE.S,** (also presented in: 114.GT, 114.UNGS)  
 Question Text *Do you use natural gas-fueled drivers or engines to compress natural gas?*  
 Assets Covered **88917 (1,850)**  
 Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**
43. Question Result, ID, References **NA, SRN.114.NGUSE.S,** (also presented in: 114.GT, 114.UNGS)  
 Question Text *Do you use natural gas for fuel or power appurtenances or instrument gas on regulated facilities?*  
 Assets Covered **88917 (1,850)**  
 Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**
44. Question Result, ID, References **NA, 114.114.COMPRESSOR.P, 49 U.S.C. 60108(a)** (also presented in: 114.GT, 114.UNGS)  
 Question Text *Do the maintenance and operations procedures for compressors include provisions to minimize fugitive natural gas losses?*  
 Assets Covered **88917 (1,850)**  
 Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**
45. Question Result, ID, References **NA, 114.114.DRIVERENGINE.P, 49 U.S.C. 60108(a)** (also presented in: 114.GT, 114.UNGS)  
 Question Text *Do maintenance procedures include measures for monitoring and correcting incomplete combustion of natural gas in driver or engine exhausts and taking corrective action if identified?*

Assets Covered 88917 (1,850)

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

46. Question Result, ID, References NA, 114.114.LKRLSID.P, 49 U.S.C. 60108(a) (also presented in: 114.GT)

Question Text *Do procedures provide a methodology for identifying sources of fugitive natural gas emissions in the system?*

Assets Covered 88917 (1,850)

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

47. Question Result, ID, References NA, 114.114.LKRLSVENT.P, 49 U.S.C. 60108(a) (also presented in: 114.GT, 114.UNGS)

Question Text *Do procedures identify measures for minimizing natural gas release volumes associated with non-emergency venting and blowdowns from operations and maintenance?*

Assets Covered 88917 (1,850)

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

48. Question Result, ID, References NA, 114.114.LKRLSUNEXPCTVENT.P, 49 U.S.C. 60108(a) (also presented in: 114.GT, 114.UNGS)

Question Text *Do procedures provide for investigation of any unanticipated vented releases of natural gas, and if so, what are the associated actions?*

Assets Covered 88917 (1,850)

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

49. Question Result, ID, References NA, 114.114.LKRLSLKDATA.P, 49 U.S.C. 60108(a) (also presented in: 114.GT, 114.UNGS)

Question Text *Do procedures include a methodology to collect, retain and analyze detailed information from detected natural gas leaks, including those eliminated by lubrication, adjustment, tightening or otherwise below thresholds for regulatory reporting?*

Assets Covered 88917 (1,850)

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

50. Question Result, ID, References NA, 114.114.TESTESD.P, 49 U.S.C. 60108(a) (also presented in: 114.GT)

Question Text *Do procedures contain measures for ensuring ESD testing minimizes natural gas releases?*

Assets Covered 88917 (1,850)

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

51. Question Result, ID, References NA, 114.114.TESTRELIEFVLV.P, 49 U.S.C. 60108(a) (also presented in: 114.GT, 114.UNGS)

Question Text *Do relief valve testing procedures include measures to minimize natural gas releases?*

Assets Covered 88917 (1,850)

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

52. Question Result, ID, References NA, 114.114.FLARE.P, 49 U.S.C. 60108(a) (also presented in: 114.GT)

Question Text *Do procedures for flaring from pipeline facilities for transporting natural gas include measures for minimization of natural gas emissions?*

Assets Covered 88917 (1,850)

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

53. Question Result, ID, References NA, 114.114.GNLDSGNCNFG.P, 49 U.S.C. 60108(a) (also presented in: 114.GT, 114.UNGS)

Question Text *Do operation and maintenance procedures contain mechanisms for identifying potential design/configuration changes for reducing natural gas releases?*

Assets Covered 88917 (1,850)

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

54. Question Result, ID, References NA, 114.114.GNLCMPSTATION.P, 49 U.S.C. 60108(a) (also presented in: 114.GT)

Question Text *Do procedures contain mechanisms for minimizing natural gas emissions from operations and maintenance activities within a compressor station (i.e., beyond compressor/driver-specific procedures)?*



Assets Covered 88917 (1,850)

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

55. Question Result, ID, References NA, 114.LEAKPRONE.LKRLS.P, 49 U.S.C. 60108(a) (also presented in: 114.GT, 114.UNGS)

Question Text *What procedures are in place to monitor for and identify pipe segments that are leak-prone, and what criteria (e.g., frequency of leak or failure events) are specified for determining a pipeline segment is leak-prone?*

Assets Covered 88917 (1,850)

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

56. Question Result, ID, References NA, 114.LEAKPRONE.LKRLSLKDATA.P, 49 U.S.C. 60108(a) (also presented in: 114.GT, 114.UNGS)

Question Text *Do procedures include a methodology to collect, retain and analyze detailed information from detected leaks, including those eliminated by lubrication, adjustment, tightening or otherwise below thresholds for regulatory reporting?*

Assets Covered 88917 (1,850)

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

57. Question Result, ID, References NA, 114.LEAKPRONE.LKMITGRPREXAMPLE.P, 49 U.S.C. 60108(a) (also presented in: 114.GT, 114.UNGS)

Question Text *Do procedures identify cast iron, unprotected steel, wrought iron, and vintage plastic pipe with known leak issues?*

Assets Covered 88917 (1,850)

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

58. Question Result, ID, References NA, 114.LEAKPRONE.LKMITGRPROTHER.P, 49 U.S.C. 60108(a) (also presented in: 114.GT, 114.UNGS)

Question Text *Do procedures clearly define a process to address replacement or remediation of pipe segments with known leak issues beyond those specifically identified in Section 114?*

Assets Covered 88917 (1,850)

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

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# Inspection Results (IRR)

Generated on 2022.September.20 13:26

• 88917 (1,850) (58)

## Inspection Results Report (ALL Non-Empty Results) - Scp\_PK 88917 (1,850)

Row	Assets	Result (Note <sup>1</sup> )	Sub-Group	Qst #	Question ID	References	Question Text
1.	88917 (1,850)	NIC	3	114.GT	1. SRN.114.INSPECTCVRG.S		What are your assets comprised of?
2.	88917 (1,850)	NA	3	114.GT	2. SRN.114.GASTRANSPORT.S		Do you transport natural gas as a specific commodity (i.e., not a byproduct or constituent of another substance)?
3.	88917 (1,850)	NA	3	114.GT	3. SRN.114.DRIVERENGINE.S		Do you use natural gas-fueled drivers or engines to compress natural gas?
4.	88917 (1,850)	NA	3	114.GT	4. SRN.114.NGUSE.S		Do you use natural gas for fuel or power appurtenances or instrument gas on regulated facilities?
5.	88917 (1,850)	NA	3	114.GT	5. 114.114.COMPRESSOR.P	49 U.S.C. 60108(a)	Do the maintenance and operations procedures for compressors include provisions to minimize fugitive natural gas losses?
6.	88917 (1,850)	NA	3	114.GT	6. 114.114.DRIVERENGINE.P	49 U.S.C. 60108(a)	Do maintenance procedures include measures for monitoring and correcting incomplete combustion of natural gas in driver or engine exhausts and taking corrective action if identified?
7.	88917 (1,850)	NA	2	114.GT	7. 114.114.LKRLSID.P	49 U.S.C. 60108(a)	Do procedures provide a methodology for identifying sources of fugitive natural gas emissions in the system?
8.	88917 (1,850)	NA	3	114.GT	8. 114.114.LKRLSVENT.P	49 U.S.C. 60108(a)	Do procedures identify measures for minimizing natural gas release volumes associated with non-emergency venting and blowdowns from operations and maintenance?
9.	88917 (1,850)	NA	3	114.GT	9. 114.114.LKRLSUNEXPTVENT.P	49 U.S.C. 60108(a)	Do procedures provide for investigation of any

## Inspection Results Report (ALL Non-Empty Results) - Scp\_PK 88917 (1,850)

Row	Assets	Result (Note <sup>1</sup> )	Sub-Group	Qst #	Question ID	References	Question Text
							unanticipated vented releases of natural gas, and if so, what are the associated actions?
10.	88917 (1,850)	NA	3	114.GT	10. 114.114.LKRLSLKDATA.P	49 U.S.C. 60108(a)	Do procedures include a methodology to collect, retain and analyze detailed information from detected natural gas leaks, including those eliminated by lubrication, adjustment, tightening or otherwise below thresholds for regulatory reporting?
11.	88917 (1,850)	NA		114.GT	11. 114.114.LKRLSDETECTLK.P	49 U.S.C. 60108(a)	Do procedures include instructions for personnel to detect leaks to help further reduce emission in stations and along the right of way?
12.	88917 (1,850)	NA		114.GT	12. 114.114.LKMITGRPRREPAIR.P	49 U.S.C. 60108(a)	Do procedures provide alternatives to cutouts (to reduce emissions)?
13.	88917 (1,850)	NA	2	114.GT	13. 114.114.TESTESD.P	49 U.S.C. 60108(a)	Do procedures contain measures for ensuring ESD testing minimizes natural gas releases?
14.	88917 (1,850)	NA	3	114.GT	14. 114.114.TESTRELIEFVLV.P	49 U.S.C. 60108(a)	Do relief valve testing procedures include measures to minimize natural gas releases?
15.	88917 (1,850)	NA	2	114.GT	15. 114.114.FLARE.P	49 U.S.C. 60108(a)	Do procedures for flaring from pipeline facilities for transporting natural gas include measures for minimization of natural gas emissions?
16.	88917 (1,850)	NA	3	114.GT	16. 114.114.GNLDSGNCNFG.P	49 U.S.C. 60108(a)	Do operation and maintenance procedures contain mechanisms for identifying potential design/configuration changes for reducing natural gas releases?
17.	88917 (1,850)	NA	2	114.GT	17. 114.114.GNLCPSTATION.P	49 U.S.C. 60108(a)	Do procedures contain mechanisms for minimizing natural gas emissions from

Inspection Results Report (ALL Non-Empty Results) - Scp\_PK 88917 (1,850)

Row	Assets	Result (Note <sup>1</sup> )	Sub-Group	Qst #	Question ID	References	Question Text
							operations and maintenance activities within a compressor station (i.e., beyond compressor/driver-specific procedures)?
18.	88917 (1,850)	NA	3	114.GT	18. 114.LEAKPRONE.LKRLS.P	49 U.S.C. 60108(a)	What procedures are in place to monitor for and identify pipe segments that are leak-prone, and what criteria (e.g., frequency of leak or failure events) are specified for determining a pipeline segment is leak-prone?
19.	88917 (1,850)	NA	3	114.GT	19. 114.LEAKPRONE.LKRLSLKDATA.P	49 U.S.C. 60108(a)	Do procedures include a methodology to collect, retain and analyze detailed information from detected leaks, including those eliminated by lubrication, adjustment, tightening or otherwise below thresholds for regulatory reporting?
20.	88917 (1,850)	NA	3	114.GT	20. 114.LEAKPRONE.LKMITGRPREXAMPLE.P	49 U.S.C. 60108(a)	Do procedures identify cast iron, unprotected steel, wrought iron, and vintage plastic pipe with known leak issues?
21.	88917 (1,850)	NA	3	114.GT	21. 114.LEAKPRONE.LKMITGRPROTHER.P	49 U.S.C. 60108(a)	Do procedures clearly define a process to address replacement or remediation of pipe segments with known leak issues beyond those specifically identified in Section 114?
22.	88917 (1,850)	NIC	3	114.UNGS	1. SRN.114.INSPECTCVRG.S		What are your assets comprised of?
23.	88917 (1,850)	NA	3	114.UNGS	2. SRN.114.GASTRANSPORT.S		Do you transport natural gas as a specific commodity (i.e., not a byproduct or constituent of another substance)?
24.	88917 (1,850)	NA	3	114.UNGS	3. SRN.114.DRIVERENGINE.S		Do you use natural gas-fueled drivers or engines to compress natural gas?

## Inspection Results Report (ALL Non-Empty Results) - Scp\_PK 88917 (1,850)

Row	Assets	Result (Note <sup>1</sup> )	Sub-Group	Qst #	Question ID	References	Question Text
25.	88917 (1,850)	NA	3	114.UNGS	4. SRN.114.NGUSE.S		Do you use natural gas for fuel or power appurtenances or instrument gas on regulated facilities?
26.	88917 (1,850)	NA	3	114.UNGS	5. 114.114.COMPRESSOR.P	49 U.S.C. 60108(a)	Do the maintenance and operations procedures for compressors include provisions to minimize fugitive natural gas losses?
27.	88917 (1,850)	NA	3	114.UNGS	6. 114.114.DRIVERENGINE.P	49 U.S.C. 60108(a)	Do maintenance procedures include measures for monitoring and correcting incomplete combustion of natural gas in driver or engine exhausts and taking corrective action if identified?
28.	88917 (1,850)	NA	3	114.UNGS	7. 114.114.LKRLSVENT.P	49 U.S.C. 60108(a)	Do procedures identify measures for minimizing natural gas release volumes associated with non-emergency venting and blowdowns from operations and maintenance?
29.	88917 (1,850)	NA	3	114.UNGS	8. 114.114.LKRLSUNEXPCTVENT.P	49 U.S.C. 60108(a)	Do procedures provide for investigation of any unanticipated vented releases of natural gas, and if so, what are the associated actions?
30.	88917 (1,850)	NA	3	114.UNGS	9. 114.114.LKRLSLKDATA.P	49 U.S.C. 60108(a)	Do procedures include a methodology to collect, retain and analyze detailed information from detected natural gas leaks, including those eliminated by lubrication, adjustment, tightening or otherwise below thresholds for regulatory reporting?
31.	88917 (1,850)	NA		114.UNGS	10. 114.114.LKRLSWELLHD.P	49 U.S.C. 60108(a)	Do procedures provide for periodic leakage surveys around the wellhead?
32.	88917 (1,850)	NA		114.UNGS	11. 114.114.LKRLSANN.P	49 U.S.C. 60108(a)	Do procedures provide for periodic checking of wellhead annulus for indications of leaks

## Inspection Results Report (ALL Non-Empty Results) - Scp\_PK 88917 (1,850)

Row	Assets	Result (Note <sup>1</sup> )	Sub-Group	Qst #	Question ID	References	Question Text
							(e.g., unexplained pressure variations)?
33.	88917 (1,850)	NA		114.UNGS	12.	114.114.LKRLSFIELD.P	49 U.S.C. 60108(a) Do procedures provide for leak surveys for well casing containment or geologic issues?
34.	88917 (1,850)	NA	3	114.UNGS	13.	114.114.TESTRELIEFVLV.P	49 U.S.C. 60108(a) Do relief valve testing procedures include measures to minimize natural gas releases?
35.	88917 (1,850)	NA	3	114.UNGS	14.	114.114.GNLDSGNCNFG.P	49 U.S.C. 60108(a) Do operation and maintenance procedures contain mechanisms for identifying potential design/configuration changes for reducing natural gas releases?
36.	88917 (1,850)	NA	3	114.UNGS	15.	114.LEAKPRONE.LKRLS.P	49 U.S.C. 60108(a) What procedures are in place to monitor for and identify pipe segments that are leak-prone, and what criteria (e.g., frequency of leak or failure events) are specified for determining a pipeline segment is leak-prone?
37.	88917 (1,850)	NA	3	114.UNGS	16.	114.LEAKPRONE.LKRLSLKDATA.P	49 U.S.C. 60108(a) Do procedures include a methodology to collect, retain and analyze detailed information from detected leaks, including those eliminated by lubrication, adjustment, tightening or otherwise below thresholds for regulatory reporting?
38.	88917 (1,850)	NA	3	114.UNGS	17.	114.LEAKPRONE.LKMITGRPREXAMPLE.P	49 U.S.C. 60108(a) Do procedures identify cast iron, unprotected steel, wrought iron, and vintage plastic pipe with known leak issues?
39.	88917 (1,850)	NA	3	114.UNGS	18.	114.LEAKPRONE.LKMITGRPROTHER.P	49 U.S.C. 60108(a) Do procedures clearly define a process to address replacement or remediation of pipe segments with known leak issues beyond those specifically identified in Section 114?

## Inspection Results Report (ALL Non-Empty Results) - Scp\_PK 88917 (1,850)

Row	Assets	Result (Note <sup>1</sup> )	Sub-Group	Qst #	Question ID	References	Question Text
40.	88917 (1,850)	NIC	3	114.GGBOOST	1. SRN.114.INSPECTCVRG.S		What are your assets comprised of?
41.	88917 (1,850)	NA	3	114.GGBOOST	2. SRN.114.GASTRANSPORT.S		Do you transport natural gas as a specific commodity (i.e., not a byproduct or constituent of another substance)?
42.	88917 (1,850)	NA	3	114.GGBOOST	3. SRN.114.DRIVERENGINE.S		Do you use natural gas-fueled drivers or engines to compress natural gas?
43.	88917 (1,850)	NA	3	114.GGBOOST	4. SRN.114.NGUSE.S		Do you use natural gas for fuel or power appurtenances or instrument gas on regulated facilities?
44.	88917 (1,850)	NA	3	114.GGBOOST	5. 114.114.COMPRESSOR.P	49 U.S.C. 60108(a)	Do the maintenance and operations procedures for compressors include provisions to minimize fugitive natural gas losses?
45.	88917 (1,850)	NA	3	114.GGBOOST	6. 114.114.DRIVERENGINE.P	49 U.S.C. 60108(a)	Do maintenance procedures include measures for monitoring and correcting incomplete combustion of natural gas in driver or engine exhausts and taking corrective action if identified?
46.	88917 (1,850)	NA	2	114.GGBOOST	7. 114.114.LKRLSID.P	49 U.S.C. 60108(a)	Do procedures provide a methodology for identifying sources of fugitive natural gas emissions in the system?
47.	88917 (1,850)	NA	3	114.GGBOOST	8. 114.114.LKRLSVENT.P	49 U.S.C. 60108(a)	Do procedures identify measures for minimizing natural gas release volumes associated with non-emergency venting and blowdowns from operations and maintenance?
48.	88917 (1,850)	NA	3	114.GGBOOST	9. 114.114.LKRLSUNEXPTVENT.P	49 U.S.C. 60108(a)	Do procedures provide for investigation of any unanticipated vented releases of natural gas, and if so, what are the associated actions?
49.	88917 (1,850)	NA	3	114.GGBOOST	10. 114.114.LKRLSLKDATA.P	49 U.S.C. 60108(a)	Do procedures include a methodology to collect, retain and analyze detailed

Inspection Results Report (ALL Non-Empty Results) - Scp\_PK 88917 (1,850)

Row	Assets	Result (Note <sup>1</sup> )	Sub-Group	Qst #	Question ID	References	Question Text
							information from detected natural gas leaks, including those eliminated by lubrication, adjustment, tightening or otherwise below thresholds for regulatory reporting?
50.	88917 (1,850)	NA	2	114.GGBOOST	11. 114.114.TESTESD.P	49 U.S.C. 60108(a)	Do procedures contain measures for ensuring ESD testing minimizes natural gas releases?
51.	88917 (1,850)	NA	3	114.GGBOOST	12. 114.114.TESTRELIEFVLV.P	49 U.S.C. 60108(a)	Do relief valve testing procedures include measures to minimize natural gas releases?
52.	88917 (1,850)	NA	2	114.GGBOOST	13. 114.114.FLARE.P	49 U.S.C. 60108(a)	Do procedures for flaring from pipeline facilities for transporting natural gas include measures for minimization of natural gas emissions?
53.	88917 (1,850)	NA	3	114.GGBOOST	14. 114.114.GNLDSGNCNFG.P	49 U.S.C. 60108(a)	Do operation and maintenance procedures contain mechanisms for identifying potential design/configuration changes for reducing natural gas releases?
54.	88917 (1,850)	NA	2	114.GGBOOST	15. 114.114.GNLCMPSTATION.P	49 U.S.C. 60108(a)	Do procedures contain mechanisms for minimizing natural gas emissions from operations and maintenance activities within a compressor station (i.e., beyond compressor/driver-specific procedures)?
55.	88917 (1,850)	NA	3	114.GGBOOST	16. 114.LEAKPRONE.LKRLS.P	49 U.S.C. 60108(a)	What procedures are in place to monitor for and identify pipe segments that are leak-prone, and what criteria (e.g., frequency of leak or failure events) are specified for determining a pipeline segment is leak-prone?
56.	88917 (1,850)	NA	3	114.GGBOOST	17. 114.LEAKPRONE.LKRLSLKDATA.P	49 U.S.C. 60108(a)	Do procedures include a methodology to collect, retain and



## Inspection Results Report (ALL Non-Empty Results) - Scp\_PK 88917 (1,850)

Row	Assets	Result (Note <sup>1</sup> )	Sub-Group	Qst #	Question ID	References	Question Text
							analyze detailed information from detected leaks, including those eliminated by lubrication, adjustment, tightening or otherwise below thresholds for regulatory reporting?
57.	88917 (1,850)	NA	3	114.GGBOOST	18.	114.LEAKPRONE.LKMITGRPREXAMPLE.P	49 U.S.C. 60108(a) Do procedures identify cast iron, unprotected steel, wrought iron, and vintage plastic pipe with known leak issues?
58.	88917 (1,850)	NA	3	114.GGBOOST	19.	114.LEAKPRONE.LKMITGRPROTHER.P	49 U.S.C. 60108(a) Do procedures clearly define a process to address replacement or remediation of pipe segments with known leak issues beyond those specifically identified in Section 114?

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

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*Report Parameters: All non-empty Results*

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