

# Inspection Output (IOR)

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## Report Filters

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

Results All

## Inspection Information

Inspection Name	Petrogas Section 114 Checklist	Operator(s)	PETROGAS WEST, LLC (39663)	Plan Submitted	03/14/2022
Status	PLANNED	Lead	Scott Anderson	Plan Approval	03/15/2022 by Scott Rukke
Start Year	2022	Team Members	David Cullom, Dennis Ritter, Lex Vinsel, Anthony Dorrough, Derek Norwood, Darren Tinnerstet	All Activity Start	12/13/2022
System Type	HL	Observer(s)	Deborah Becker, Rell Koizumi	All Activity End	12/13/2022
Protocol Set ID	HL.2022.02	Supervisor	Scott Rukke	Inspection Submitted	--
		Director	Sean Mayo	Inspection Approval	--

## Inspection Summary

### Inspection Scope and Summary

This is a Petrogas Ferndale Terminal, PIPES Act of 2020 Section 114 inspection.

### SYSTEM DESCRIPTION

Commodity: Butane and Propane

Pipe Type: Steel

Pipe Size: 6"

MAOP: 250psig

Length: 0.41 miles

Class Location: 1

### Facilities visited and Total AFOD

1 AFOD

### Primary Operator contacts and/or participants

Cody Treloar, Operations Manager, Petrogas

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

Derek Vallee

Midstream Operations

Petrogas Ferndale Terminal

Suite 3900, Bow Valley SQ2, 205 5th Ave SW

Calgary, Alberta, Canada T2P 2V7

## Scope (Assets)

#	Short Name	Long Name	Asset Type	Asset IDs	Excluded Topics	Planned	Required	Total Inspected	Required % Complete
1.	86236	Petrogas	unit	86236	--	12	12	12	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.	86236	--	114	P, R, O, S	Detail	--

## Plan Implementations

#	Activity Name	SMART Act#	Start Date	Focus Directives	Involved Groups/Subgroups	Asset Types	Qst Type(s)	Planned	Required	Total Inspected	Required % Complete
1	Section 114 Questions	--	12/13/2022	--	114	all assets	all types	12	12	12	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, 12 results)

24 (instead of 12) results are listed due to re-presentation of questions in more than one sub-group.

### 114.HL: Section 114 - Hazardous Liquid

- 1. Question Result, ID, References [NIC, SRN.114.INSPECTCVRG.S](#), (also presented in: 114.SLPG)

Question Text *What are your assets comprised of?*

Assets Covered 86236

Result Notes Petrogas regulated facilities are two 6" butane pipelines, one butane tank 450000Bbl

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

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

Assets Covered 86236

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

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

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

Assets Covered 86236

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.SLPG)

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

Assets Covered 86236

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

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

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 86236

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

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

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

Assets Covered 86236

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

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

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 86236

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

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

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

Assets Covered 86236

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

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

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 86236

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

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

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 86236

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

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

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

Assets Covered 86236

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

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

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 86236

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

## 114.SLPG: Section 114 - Small LPG

13. Question Result, ID, References NIC, SRN.114.INSPECTCVRG.S, (also presented in: 114.HL)

Question Text *What are your assets comprised of?*

Assets Covered 86236

Result Notes Petrogas regulated facilities are two 6" butane pipelines, one butane tank 450000Bbl

14. Question Result, ID, References NA, SRN.114.GASTRANSPORT.S, (also presented in: 114.HL)

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

Assets Covered 86236

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

15. Question Result, ID, References NA, SRN.114.DRIVERENGINE.S, (also presented in: 114.HL)

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

Assets Covered 86236

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

16. Question Result, ID, References NA, SRN.114.NGUSE.S, (also presented in: 114.HL)

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

Assets Covered 86236

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

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

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 86236

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

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

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

Assets Covered 86236

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

19. Question Result, ID, References **NA, 114.114.LKRLSDETECTLK.P, 49 U.S.C. 60108(a)** (also presented in: 114.HL)  
 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 **86236**  
 Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**
20. Question Result, ID, References **NA, 114.114.GNLDSGNCNFG.P, 49 U.S.C. 60108(a)** (also presented in: 114.HL)  
 Question Text *Do operation and maintenance procedures contain mechanisms for identifying potential design/configuration changes for reducing natural gas releases?*  
 Assets Covered **86236**  
 Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**
21. Question Result, ID, References **NA, 114.LEAKPRONE.LKRLS.P, 49 U.S.C. 60108(a)** (also presented in: 114.HL)  
 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 **86236**  
 Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**
22. Question Result, ID, References **NA, 114.LEAKPRONE.LKRLSLKDATA.P, 49 U.S.C. 60108(a)** (also presented in: 114.HL)  
 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 **86236**  
 Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**
23. Question Result, ID, References **NA, 114.LEAKPRONE.LKMITGRPREXAMPLE.P, 49 U.S.C. 60108(a)** (also presented in: 114.HL)  
 Question Text *Do procedures identify cast iron, unprotected steel, wrought iron, and vintage plastic pipe with known leak issues?*  
 Assets Covered **86236**  
 Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**
24. Question Result, ID, References **NA, 114.LEAKPRONE.LKMITGRPROTHER.P, 49 U.S.C. 60108(a)** (also presented in: 114.HL)  
 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 **86236**  
 Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**

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