

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	McChord Section 114 #8519	Operator(s)	MCCHORD PIPELINE CO. (31049) Lead Darren Tinnerstet	Plan Submitted	11/14/2022
Status	PLANNED	Supervisor	Scott Rukke	Plan Approval	11/15/2022 by Scott Rukke
Start Year	2022	Director	Sean Mayo	All Activity Start	11/16/2022
System Type	HL			All Activity End	11/16/2022
Protocol Set ID	HL.2022.02			Inspection Submitted	--
				Inspection Approval	--

Inspection Summary

Inspection Scope and Summary

Section 114 emissions procedure review conducted at US Oil Refinery plant on 11/16/2022.

The McChord Pipeline is a buried intrastate pipeline 14.25 miles in length, constructed in 1966 with 6-inch nominal steel pipe grade B, wall thickness of 0.188 inch to 0.432 inch. A one mile reroute was performed in 1996. The pipeline has a 720 psig MOP (36% SMYS) with a normal operating pressure at 450 psig (21% SMYS). The pipeline is divided into four sections with isolation valves between each section. The entire pipeline has about 400 foot elevation differential. The pipeline transports jet fuel from US Oil Refinery located in Tacoma near Commencement Bay to the McChord Air Base storage facility. Jurisdiction begins at the pump suction valves (P-1401) and ends at the custody transfer manifold valves downstream of the meters at McChord Air Force Base

Facilities visited and Total AFOD

Onsite review of Section 114 procedures.

AFOD - 1

Summary of Significant Findings

(DO NOT Discuss Enforcement options)

No significant findings.

Primary Operator contacts and/or participants

Joel Roppo - Chief Engineer

Operator executive contact and mailing address for any official correspondence

Andrew Troske - Vice President
McChord Pipeline Company
3001 Marshall Ave.
Tacoma, WA 98421

Scope (Assets)

Short # Name	Long Name	Asset Type	Asset IDs	Excluded Topics	Planned	Required	Inspected	Total	Required % Complete
1. 88980 (72)	McChord Pipeline Company	unit	88980	--	12	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.	88980 (72)	--	114	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	McChord Section 114	--	11/16/2022		--	114	88980 (72)	all types	12	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

No.	Entity	Form Name	Status	Date Completed	Activity Name	Asset
1.	Attendance List	McChord Section 114	COMPLETED	11/17/2022	McChord Section 114	--

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 **88980 (72)**

Result Notes The McChord Pipeline is a buried intrastate pipeline 14.25 miles in length, constructed in 1966 with 6-inch nominal steel pipe grade B, wall thickness of 0.188 inch to 0.432 inch. A one mile reroute was performed in 1996. The pipeline has a 720 psig MOP (36% SMYS) with a normal operating pressure at 450 psig (21% SMYS). The pipeline is divided into four sections with isolation valves between each section. The entire pipeline has about 400 foot elevation differential. The pipeline transports jet fuel from US Oil Refinery located in Tacoma near Commencement Bay to the McChord Air Base storage facility. Jurisdiction begins at the pump suction valves (P-1401) and ends at the custody transfer manifold valves downstream of the meters at McChord Air Force Base

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 **88980 (72)**

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

Operator only transports Hazardous Liquids / Jet Fuel.

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 88980 (72)
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 88980 (72)
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 88980 (72)
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 88980 (72)
Result Notes No such event occurred, or condition 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 88980 (72)
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 88980 (72)
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 88980 (72)
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 88980 (72)
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 88980 (72)

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 88980 (72)

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 88980 (72)

Result Notes The McChord Pipeline is a buried intrastate pipeline 14.25 miles in length, constructed in 1966 with 6-inch nominal steel pipe grade B, wall thickness of 0.188 inch to 0.432 inch. A one mile reroute was performed in 1996. The pipeline has a 720 psig MOP (36% SMYS) with a normal operating pressure at 450 psig (21% SMYS). The pipeline is divided into four sections with isolation valves between each section. The entire pipeline has about 400 foot elevation differential. The pipeline transports jet fuel from US Oil Refinery located in Tacoma near Commencement Bay to the McChord Air Base storage facility. Jurisdiction begins at the pump suction valves (P-1401) and ends at the custody transfer manifold valves downstream of the meters at McChord Air Force Base

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 88980 (72)

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

Operator only transports Hazardous Liquids / Jet Fuel.

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 88980 (72)

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 88980 (72)

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 88980 (72)

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 88980 (72)

Result Notes No such event occurred, or condition 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 88980 (72)

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 88980 (72)

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 88980 (72)

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 88980 (72)

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 88980 (72)

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 88980 (72)

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

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