

POST INSPECTION MEMORANDUM

Inspector: Al Jones- UTC 6/26/2012
Reviewed: Joe Substit-UTC 6/27/2012
Peer Review: RR ✓ 01/10/2013
Follow-Up Enforcement: No Violation ✓
~~PCP*~~ ~~PCO*~~ ~~NOA~~ ~~WL~~ ~~LOC~~
Director Approval* CH
12/11/12

Date: 6/26/2012

Operator Inspected:
Northwest Pipeline Corp (WGP)

OPID: 13845 **Region:** Western

RECEIVED

JAN 22 2013

State of Washington
UTC
Pipeline Safety Program

Unit Address:
Williams Gas Pipeline - West
East 1022 Hawthorne Road
Spokane, WA 99218

Unit Inspected: Spokane District North
Unit Type: Natural Gas Transmission
Inspection Type: Standard Natural Gas Transmission
Record Location: Spokane, WA District Office
Inspection Dates: June 18-22, 2012
AFOD: 5
SMART Activity Number: 141593

(10-1)

Unit ID: 8375

Operator Contact: Dustin Wallis

Phone: (801) 584-6599

Fax: (801) 584-6344

Emergency: (800) 972-7733

Unit Description:

The Spokane District boundaries have changed since the last inspection. The current boundaries include Spokane, Lincoln, Grant, Adams, Whitman, and Franklin Counties. The transmission laterals have a MAOP of 811 psig except as noted for:

- 20" Spokane Line 55 miles from North Pasco to Ritzville
- 16" Spokane Line 62 miles from Ritzville to Spokane Mead Station
- 6" Coeur D'Alene Line 16 miles
- 30" Coeur D'Alene Line 14 miles
- 8" Moses Lake Lateral 38.2 miles
- 12" Lewiston Lateral 81 miles
- 6" Connell Lateral 4 miles
- 4" Othello Lateral 5.2 miles
- 2" Menan Starch Lateral 0.3 miles

Interconnections with TransCanada GTN:

- 20" Spokane Lateral 115 feet
- 12" Palouse Lateral 1 mile (1,018 psig MAOP)

The District has the following Class 3 Locations:

North Spokane off the west side of Barns Road

1.81 miles (MP 24.12 - 25.93)

1.88 miles (MP 26.16 - 28.05)

2.31 miles (MP 156.38 – 158.69)

4.23 miles (MP159.10 – 163.33)

0.03 mile (MP 0.26 – 0.29)

The District has one compressor station located at Mesa with one Solar Turbine rated at 1,340 HP.

Facilities Inspected:

This inspection included a review of the District records at the Spokane office. All records reviewed were in compliance with code requirements. The Williams Operations and Maintenance Manuals are scheduled for a Joint Team Review later this year.

The northern most GTN tie over was inspected and the overpressure relief valve was operated and tested for proper set point and activation. It operated and opened as designed. This relief valve protects Williams from the higher GTN MAOP. CP reads were taken at random locations along the pipeline and all reads were at proper protection levels (See attached Field Notes). Random mainline emergency valves were operated along the pipeline and all operated as required. Road crossings and meter stations were inspected along the pipeline route and were all good. Class 3 areas surrounding Spokane were driven and random CP reads taken.

Williams is replacing the mainline between Nine Mile Falls and Spokane Mead Meter Stations, about 5.6 miles, 16-inch diameter, 0.250" wt, API 5L X52 pipe with Epoxy coating minimum 17 mils. Reviewed Williams welding procedure and qualification of procedure (WPS No. SM G 2 and PQR No. SMAW-6301). Reviewed four welder qualifications from Snelson Construction and two technicians from Quality Integrated Services. Reviewed NDT film for girth welds XR - 69, -70, -71, -72, -73, -67, and repaired weld XR 67-R1.

Persons Interviewed:

Thomas Grant, District Manager

Justin Reynolds, Integrity Lead – North

Dustin Wallis, Engineer from Salt Lake City

Mike Moore, Operations Technician

Mike Fitchner, Operations Technician

Bob Hadlock, Pipeline Integrity Specialist

Harley Bradley, Pipeline Integrity Specialist

Jack Lambert, Sr. Operations Technician

Brenda Robb, District Administrator

Rachel Denzia, District Administrator

Probable Violations/Concerns:

No violations or concerns.

Follow up on the history of prior offenses that are still open:

Prior Offenses (for the past 5 years)		
CPF #	What type of open enforcement action(s)?	Status of the regulations(s) violated (Reoccurrence Offenses, Implement a NOA Revision, Completion of PCO or CO, and etc...)

Recommendations:

Maintain normal inspection cycle.

Comments:

The Moses Lake lateral ILI was rescheduled for 2013. The lateral is not HCA driven, but reliability driven.

Attachments:

- Field Data Collection Form
- Western Region Unit Form

Version Date: 5/5/08

Field Data Collection
(2012 Standard Inspection)

Company: Northwest Pipeline Corp (WGP)

Unit: Spokane District

Pipe-to-soil potential readings and other items

Date	Location	Pipe (Volts)	Casing (Volts)	Comments
6/20/2012	Spokane Mead Meter Station at 9180 Market			The rectifier was shut off for construction of Avista new odorizer unit.
6/20/2012	Inland Empire Pater Meter Station at 6909 N. Perrine Rd.	-1.57		The rectifier was shut off for construction of Avista new odorizer unit at Spokane Mead Meter Station. -Meter Station outlet piping.
6/20/2012	MP 7.1 at Starr Road Station	-1.39		-at 30" main line -The 30" main line valve (#76-1) was 50% closed.
6/20/2012	Starr Rd. Meter Station Rectifier #1589	-3.583 -3.332		At 30" main line At 6' main line Output: 34.5 V, 0.66 A Settings: C3, F1
6/20/2012	Nine Mile Falls & Kettle Falls Reg. Sta. 7945 N. Nine Mile Rd. Rectifier #1778	-2.504		Output: 39.7 V, 11.5 A Settings: C2, F3
6/20/2012	Spokane West Meter Sta.	-1.721 -1.885 -1.300	-0.433	16" main line GTN's custody transfer with Avista Avista's main line
6/21/2012	Ritzville City Gate Station 2176 E Wellsandt Rd.	-1.709	-0.173	20" to 16" Main line reduction. (20" line from Plymouth to Ritzville and

Date	Location	Pipe (Volts)	Casing (Volts)	Comments
	Rectifier #539 at MP 37.4			16" line from Ritzville to Spokane Mead Sta.) Mainline Valve 28-8AB was operated by Mike Moor.
6/21/2012	MP 99.8 Ritzville Chromatograph Station 1349 N. Snyder Rd.	-1.642 -1.3831		12" Launcher to Lewiston, ID (85 miles to Clarkston, WA). 20" main line to Spokane 12" main line to Clarkston 12" main line valve (#30-0) was operated by Mike Moor.
6/21/2012	MP 69 20" Spokane Line Tee with 8" Moses Lake Lateral.	-0.982		8" Moses Lake Lateral Valve #28-6A was operated by Mike Moore.
6/21/2012	MP 47.2 Mesa Compressor Station Rectifier Gas Sensors	-7.44 -6.23		One Solar Turbine 1,340 HP compressor. 20" main line Suction 20" main line discharge Output: 52.2 V, 17.0 A Settings: C2, F5 Valve #28-5 was operated by Mike Moore. The west & east sensors in the compressor building were satisfactorily tested.
6/21/2012	MP 30.6 Franklin PUD & Burbank Heights Meter Stations	-1.875 -0.150	-0.260	Williams 20" mainline PUD piping (700 psig)

Western Region Unit Information

Inspector or State Office:	Al Jones	SMART Activity #	141593
Unit ID:	8375	Unit Name:	WA-UTC/SPOKANE DISTRICT
Operator ID:	13845	Operator Name:	NORTHWEST PIPELINE CORP (WGP)

Unit Boundaries

Description:	Device:	Latitude:	Longitude:
Noth: WA/ID Border at Spokane		47.71645	-117.0684
South: at the Columbia River		46.24209809	-119.19098859
West: at Moses Lake		47.12561900	-119.20220710
East: at Clarkston		46.47627	-117.0445

Pre-Inspection

The information collected and documented here is in addition to other pre-inspection efforts [pulling unit summaries, SRCR's, Annual Reports, Accident/Incident Reports, previous PIM, Post-Inspection OQ & IMP reports, previous and outstanding enforcement actions, etc.]

Operator-level Enforcement: None in last 5 years.
 Unit-level Enforcement: None in last 5 years.
 Unit Accidents:
 Special Permits: None

Baseline Information

1) If accidents or incidents have occurred in this unit, what has the operator done to prevent recurrence? *(select all that apply)*

- | | | |
|--|--|---|
| <input type="checkbox"/> Added Equipment | <input type="checkbox"/> Procedural Change | <input type="checkbox"/> Engineering Barriers Added |
| <input type="checkbox"/> Removed Equipment | <input type="checkbox"/> Additional Training | <input type="checkbox"/> Other |

Describe: No accidents or incidents occurred in this District since the last interstate inspection two years ago.

2) Will these actions adequately mitigate threats? Yes No

Please Explain:

3) Have any abnormal events occurred in this unit? Yes No

Describe Operator's Response: The Moses Lake Relief failed to seat completely because of debris in the Mooney Regulator.

4) Commodity Transported:

Liquid 1:		Gas 1:	Natural Gas
Liquid 2:		Gas 2:	

5) Year of Original Installation (yyyy): Pipe specification (e.g. API 5L, ASTM D2513) API 5L

6) Normal Operating Pressure (psig), min: 725 max: 811 % SMYS, max: Varies

7) MOP/MAOP (psig), min: max: 811 Changes in MOP/MAOP in previous year: Increase Decrease None

8) Seam Type:

9) Coating Type:

10) Overall Coating Quality: Poor Fair Good Coating Improvement Efforts: Yes No

Describe:

11) Potential for AC Interference? Yes No Has operator tested for stray current? Yes No

12) Parallel Construction/Crossing? Yes No Explain:

13a) [Gas Only] Is there a monitoring program for liquids? Yes No

Method:

Frequency:

13b) [Liquid Only] Are there Dead Legs? Yes No

Explain:

14) [Liquid Only] Number of cycles: per Day Week Month

Pressure range (psig):

15) Has equipment been deleted/added that changed the hydraulic profile of this line? Yes No

Explain:

16) Level of automation: Manual Control Local/SCADA Remote/SCADA

17) Total unit mileage:

18) HCA-Affecting Mileage (% of total mileage):

High Population Area (%):	1.7%
Other Population Area (%):	
Drinking Water USA (%):	
Ecological Resource USA (%):	
Commercially Navigable Waterway (%):	

19) Indicate the year of the most recent tool run and summarize results, including digs:

Tool Type	Year	Results Summary
Geometry	2007	
Magnetic Flux Leakage	2009	Clarkeston Lateral has 13 anomalies dig sites
Other	2010	EMAT Tool for the Spokane Line #2435