

POST INSPECTION MEMORANDUM

Inspector: Al Jones/WUTC 6/26/2012
Reviewed: Joe Subsits/WUTC, 6/27/2012
Follow-Up Enforcement: No Violations
PCP* PCO* NOA WL LOC
Director Approval* _____

Date: June 26, 2012

Operator Inspected: Northwest Pipeline Corp (WGP) **OPID:** 13845 **Region:** Western

Unit Address: 295 Chipeta Way
 Salt Lake City, Utah 84108-1220

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|------------------------|---------------|----------------------|
| Unit Inspected: | Redmond | Unit ID: 3675 |
| | Spokane | Unit ID: 8375 |
| | Pasco | Unit ID: 8385 |
| | Battle Ground | Unit ID: 8365 |
| | Sumas | Unit ID: 8355 |

Unit Type: Interstate
Inspection Type: O07 - Team Integrity Management Program (IMP) Inspection
Record Location: Houston, TX and Salt Lake City, UT
Inspection Dates: 4/29/2012 through 5/4/2012 and 5/14-18/2012 (TX and UT)
5/29-31, 2012 (WA field validation)
AFOD: 11 (TX and UT), 3 (WA)

SMART Activity Number: 137168

PHMSA Contact: Derick Turner, Lead (OPS Atlanta, GA)
Phone: 404-832-1156 **Email:** derick.turner@dot.gov

Unit Description:

The IMP inspection was comprehensive for all of the above Districts for Williams Gas Pipelines located in Washington. The IMP protocols and HCA assessments were reviewed in Houston and Salt Lake City. The report prepared by VGO Testing & Inspection Engineers for Williams for a leak found on the North Seattle Lateral 8-inch line was reviewed. The crack was discovered during a hydro test at a reported pipe over-bend location. Additional mitigation to locate other sites for possible SCC cracks is being reviewed by Williams.

Facilities Inspected:

The meeting in Houston, Texas included the review of IMP Protocol Areas:

- A. Identify HCA's
- B. Baseline Assessment Plan
- E. Remediation
- F. Continual Evaluation & Assessment

The meeting in Salt Lake City Utah including the review of IMP Protocol Areas:

- C. Threats and Risk Assessment
- D. DA Plan
- G. Confirmatory DA
- H. Preventive & Mitigative Measures
- K. Management of Change
- M. Communications Plan

Persons Interviewed:

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|--------------------|--------------|
| Steve Potts | 713-215-2111 |
| Sergio Limon | 801-584-6787 |
| David Katz | 801-584-6911 |
| Chris Mason | 801-584-6689 |
| Marie Sotak | 713-215-2111 |
| John Bateholder | 713-215-2907 |
| Stephanie Poole | 713-215-2371 |
| Larry Legendre | 713-215-2733 |
| Joe Neave | 713-215-4811 |
| Jason Lambert | 801-584-6657 |
| Stephanie Andrasko | 713-215-2840 |
| Jim Harrison | 713-215-3033 |

IMP Team:

| | |
|------------------|-------------------|
| Derick Turner | Lead. OPS Atlanta |
| Robert Smallcomb | PHMSA - Eastern |
| Agustin Lopez | OPS - SW |
| Ross Reineke | OPS Western |
| Wayne Chan | PHMSA - Eastern |
| Bill Tzamos | PHMSA |
| Brian Kilduff | NYS DPS |
| Al Jones | WUTC |

Probable Violations/Concerns: No probable violations noted at the time of this report.

Recommendations: Continue inspecting district in accordance with normal inspection cycle.

Comments:

The North Seattle lateral failure at MP 8 occurred during a hydrotest on the 8-inch diameter line in 2011. The leak was caused by a through-wall crack in the pipe. The pipe wall thickness is 0.188", API 5L grade X-42 material. The MAOP is 741 psi corresponding to 40% SMYS. The hydrotest pressure when the failure occurred was 1,339 psi (73% SMYS). According to the VGO Testing & Inspection Engineers report identified the failure mode as near neutral circumferential SCC. A 300 feet pipe section was replaced. In an email dated June 13, 2012 from Steve Potts included a report titled, "Addressing the Threat of Crack-like Indications on the North Seattle Lateral Line." The report referred to a 2003 Magnetic Flux Leakage (MFL) inspection with two dents and six corrosion callouts excavated and 2009 MFL and Transverse Flux Inspection (TFI) inspection with three seam weld and dent areas were excavated. Both ILI inspections did not find cracking indications. This summer, Williams plans to inspect several bends that will be removed during the upcoming expansion project. The expansion includes replacement of the first 2.2 miles of the 8" line with new 20" diameter pipe.

Attachments:

PHMSA Form-16 Gas IMP Field Verification Inspection for Spokane, WA
Exhibit A - Williams North Seattle Lateral Report
Exhibit B - Spokane pipe replacement photo

Version Date: 5/5/08