

Field Data Collection
(2012 Standard Inspection)

Company: Northwest Pipeline Corp (WGP)

Unit: Redmond District

Pipe-to-Soil Potential Readings (for 30" line), Rectifiers and Others

Date	Location	Pipe (Volts) Power On/Off	Casing (Volts)	Comments
4/11/2012	Snohomish Compressor Station 30" North Block Valve 30" Pig Receiver 30" Pig Launcher 36" Pig Launcher	 -0.760 (off) -1.080 (on) -0.896 (off) -1.247 (on) -1.000 (off) -1.560 (on) -1.061 (off)		The station was inspected. Two fire eyes and two gas detectors and ESD were tested and they were working properly. Rectifier #848 DC outputs: 7.13 V; 2.87 A Rectifier #1660 DC outputs: 22.11 V; 3.50 A Native was -0.495, met 100 mv shift criterion.
4/11/2012	North Seattle Lateral Meter Station The 8" inlet valve to the station	 -1.654 (on) -1.061 (off)		The pressure relief valve was tested by operator Doug Oberbilling. The gas is odorized by Puget Sound Energy (PSE) at the meter station. Rectifier #492 DC outputs: 8.72 V; 4.60 A.

	The 16" valve 39L-1	-1.684 (on) -1.062 (off)		
4/11/2012	Novelty Hill mainline block valve (MLV) station			Both 30" and 36" valves were inspected and partially operated. Rectifier #1763 DC outputs: 11.77 V; 5.8 A
4/11/2012	South Seattle Lateral Odorant Station 10" Incoming line 16" Loop line	 -2.130 (on) -1.348 (off) -2.052 (on) -1.346 (off)		The pressure relief valve was tested. The station has a worker and monitor for pressure regulation. Therefore, the relief valve is redundant.
4/11/2012	Covington Creek span			The 30" line is in a 36" casing. A parallel 26" line has been idled. No signs of atmospheric corrosion were noticed.
4/11/2012	Issaquah Highlands			This area is located north of interstate highway I-90 and it is currently classified as class 2 location. It has been heavily developed to a combination of commercial and residential complex. It should be classified to a class 3 location next year following a class location study.
4/12/2012	Sumner Compressor Station CP test point #14 CP test point #11	 -1.914 (on) -0.766 (off) -2.035 (on) -0.789 (off)		The station was inspected. Two fire eyes, two gas detectors were tested and they were working properly. Rectifier #895 DC outputs: 28.33 V; 7.5 A Native is -0.366 volts. It met 100 mv shift criterion. Native is -0.366 volts. It met 100 mv shift criterion.

4/12/2012	Boeing Meter Station			The station was inspected and the relief valve was tested. It opened at the set point. Rectifier #1175 DC outputs: 26.15 V; 7.78 A
	4" by-pass at filter skid	-3.761 (on) -0.942 (off)		
	6" Inlet line from the mainline	-2.797 (on) -1.029 (off)		
4/12/2012	Yelm Meter Station			This meter station was inspected and the relief valve was tested. It opened at the set point. Rectifier #1767-2 DC outputs: 4.495 V; 0.2 A
	30" line	-2.840 (on) -1.085 (off)		
	36" line	-2.518 (on) -1.094 (off)		
4/12/2012	Rainier Take-off			
	20" Grays Harbor Lateral	-2.128 (on) -1.127 (off)		
	10" Olympia Lateral	-1.738 (on) -1.136 (off)		The 10" Olympia Lateral tap valve to 36" line was partially operated and it was fine.
4/12/2012	Mainline block valve station at MP 1310 near Skookumchuck River			This valve station is the southern tip of the district. The station was inspected.
	30" line	-2.439 (on) -1.352 (off)		Rectifier #134 DC outputs: 13.14 V; 11.08 A

4/13/2012	Tumwater Compressor Station			<p>The compressor station was inspected.</p> <p>A-Plant gas detector was tested and was acceptable (alarm at 20% LEL, and ESD at 40% LEL). A-Plant fire eye was tested and was acceptable.</p> <p>Similar tests were conducted for B-Plant and the tests were acceptable.</p> <p>Rectifier #1626 (deep well) DC outputs: 47.27 V; 9.3 A</p> <p>Rectifier #1836 DC outputs: 18.28 V; 1.1 A</p> <p>Rectifier #1837 DC outputs: 7.03 V; 0.8 A</p>
	8" kicker line to 20" Grays Harbor Lateral launcher	-2.600 (on) -0.918 (off)		
	20" Grays Harbor Lateral valve	-2.926 (on) -1.118 (off)		
	20" station outlet line	-3.069 (on) -1.185 (off)		
	10" Shelton Lateral suction	-1.968 (on) -0.968 (off)		
	10" Shelton Lateral discharge	-2.063 (on) -1.102 (off)		