

**Utilities and Transportation Commission**  
**Standard Inspection Report for Intrastate Gas Distribution Systems**  
**Records Review and Field Inspection**

S – Satisfactory    U – Unsatisfactory    N/A – Not Applicable    N/C – Not Checked  
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A completed **Standard Inspection Checklist, OQ Field Validation Protocol form and Cover Letter/Field Report** are to be submitted to the Chief Engineer within **30 days** from completion of the inspection.

Inspection Report			
<b>Inspection ID/Docket Number</b>	5851		
<b>Inspector Name &amp; Submit Date</b>	Dennis Ritter		
<b>Chief Eng Name &amp; Review/Date</b>	Joe Subsits		
Operator Information			
<b>Name of Operator:</b>	Puget Sound Energy	<b>OP ID #:</b>	22189
<b>Name of Unit(s):</b>	Pierce		
<b>Records Location:</b>	Tacoma, Bellevue, Georgetown (Seattle), Lakewood		
<b>Date(s) of Last (unit) Inspection:</b>	9-2, 9-6 and 9-7, 2011	<b>Inspection Date(s):</b>	April 7-10, 15-18,21,24,25, 2014

**Inspection Summary:**  
The 2014 Std Inspection for PSE Pierce Unit was conducted in Pierce County and King County (record review) on the dates noted above. **No violations were noted.**

There are two areas of concern which PSE should address. PSE has three steep slope patrols. During the field inspection, two areas had the following issues noted:  
Edgewood: several large Douglas fir trees were noted growing over the pipeline on the steep slope;  
Orting: the homeowner at the top of the slope has routed a drain line to the head of the slope which showed signs of erosion over the top of PSE's pipeline.

Field inspections locations are as noted in the inspection form. Records were reviewed at PSE's Tacoma and Georgetown Operating Bases, PSE Headquarters in Bellevue and leak records were reviewed in Lakewood (Infrasource Operating Base). Additionally, some records were reviewed at WUTC's office prior to field visit. Field and OQ assessments were conducted as follows: CP pipe to soil, isolation, casings, and rectifier inspections; bridge and steep slope patrols; pressure regulator and relief lock-up ; block valve operation; odorizer station check, odorant concentration testing:

4-Regulator stations and associated valves-Gig Harbor, Tacoma and Sumner  
7-Odorant Concentration (Sniff) testing-Tacoma, Gig Harbor, Sumner, Spanaway, Orting, Lakewood  
1-Odorant station-N. Tac Gate  
5-Rectifiers-P/S reads-Tacoma, Puyallup, Sumner, Lakewood  
1-shortend casing-Parkland  
1-isolation test point-Parkland  
3-bridges-Gig Harbor, Orting, Bonney Lake  
3-steep slopes

<b>HQ Address:</b> PO Box 90868 M/S: PSE-12N Bellevue, WA 98009-0868	<b>System/Unit Name &amp; Address:</b> Tacoma Office (Pierce County) 3130 S 38 <sup>th</sup> Tacoma, WA 98409
<b>Co. Official:</b> Booga K. Gilbertson <b>Phone No.:</b> 425-462-3843 <b>Fax No.:</b> 425-456-2724 <b>Emergency Phone No.:</b> 800-552-7171	<b>Phone No.:</b> 253-476-6120 <b>Fax No.:</b> 253-476-6415 <b>Emergency Phone No.:</b> 800-552-7171

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Persons Interviewed	Title	Phone No.
Darryl Hong	Sr. Regulatory Compliance Analyst	425.462.3911
Paul Bench	Pressure Control Lead	253-405-1620
Martin Medley	Pressure Control Tech	253-486-6088
Dennis Doran	Pressure Control Tech	206-716-2653
Steve Jensen	Corrosion Control Tech	206-571-7910
Scott Pawlek	Corrosion Control Tech	206-571-8292
Larry O'Neil	Corrosion Control Tech	253-476-6216
Scott Husted	Corrosion Control Tech	253-476-6355
Keith Raines	Customer Service Field Tech	253-377-7035
Richard Smith	PI Inspector	253-377-7038
Ralph Yerberry	PI Inspector	253-377-7172
Chris Welch	PSE Pipefitter	253-476-6228
Zak Mohamed	Engineer	425-462-3723
Tony Lupo	Project Manager	425-495-0276
John Brannon	Project Manager	425-456-2090
Dave Wharton	Infrasource Contract Management	253-380-3451
Lenny Woods	Infrasource Contract Management	206-418-4248
Sharon Davenport	Infrasource Contract Management	253-617-6012
Dave Moffett	Supervisor of Corrosion South	253-476-6216
Jim Chartrey	Supervisor of Pressure Control South	206-571-2476
Derek Koo	Consulting Engineer	425-462-3819
Cathy Koch	Director Compliance	425-462-3877
Cheryl McGrath	Manager of Compliance Programs	425-462-3207
Srini Pendikatla	Engineer	425-462-3796
Michelle Wildie	Engineer	425-456-2529
Don Frieze	Senior Engineer	425-462-3862
Terra Mullis	Compliance Program Coordinator	425-457-5849
Charlie Gadzik	Manager Corporate Communications	425-456-2727
Scott Sammons	Compliance Coordinator	425-457-5816
Cori Phelps	Supervisor Maps and Records	425-456-2456
Mark Maass	Manager Maps and Records	425-462-3047
Steven Mar	Sr. GIS Tech Systems analyst	425-457-5701
Jerry Games	Resource Coordinator	253-476-6224
John Klippert	Manager of Gas Systems Operations	206-517-3421
Signe Lippert	Supervisor of Maintenance Programs	206-716-2630
Robert Morse	Supervisor Gas First Response	253-476-6120
Pam Parish	Manager Contract Management	253-476-6406
Joe MacDuff	Supervisor of Training	425-424-6477
Stephanie Silva	Compliance program manager	425-462-3923

<b>WUTC staff conducted an abbreviated procedures inspection on 192 O&amp;M and WAC items that changed since the last inspection. This checklist focuses on Records and Field items per a routine standard inspection.</b>			
(check one below and enter appropriate date)			
<input type="checkbox"/>	Team inspection was performed (Within the past five years.) or,	<b>Date:</b>	
<input checked="" type="checkbox"/>	Other WUTC Inspector reviewed the O & M Manual (Since the last yearly review of the manual by the operator.) <b>Conducted by Joe Subsis.</b>	<b>Date:</b>	Nov 29, 2010

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<input type="checkbox"/>	OQ Program Review (PHMSA Form 14) Last Program review was Feb 28-Mar 16, 2004. Next Program review will occur November 6-10, 2014	Date:	
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GAS SYSTEM OPERATIONS			
<b>Gas Supplier</b>	Williams		
<b>Services:</b>	<i>Residential 250,000 (PSE cannot differentiate between commercial, industrial and residential) Commercial Industrial Other</i>		
Number of reportable safety related conditions last year	0	Number of deferred leaks in system	620
Number of <u>non-reportable</u> safety related conditions last year	0	Number of third party hits last year	865
Miles of transmission pipeline within unit (total miles and miles in class 3 & 4 areas)	0	Miles of main within inspection unit (total miles and miles in class 3 & 4 areas)	3240
<b>Operating Pressure(s):</b>		<b>MAOP (Within last year)</b>	<b>Actual Operating Pressure (At time of Inspection)</b>
Feeder:	RS1349 N. Tacoma Gate	450 inlet 250 outlet	267.5 inlet 237.5 outlet
Feeder:	RS2424 N. Puyallup Gate	406 inlet 60 outlet	Did not field visit this site
Feeder:	RS2668 Rainier Terrace Gate	994 inlet 200 outlet	Did not field visit this site
Feeder:	RS2685 Bethel Gate	310 inlet 60 outlet	Did not field visit this site
Feeder:	OD0052 Frederickson Gate	500 inlet 500 outlet	Did not field visit this site
Feeder:	OD0011 S. Tacoma Gate	960 inlet 562 outlet	Did not field visit this site
Does the operator have any transmission pipelines?		Yes, but none in this unit	
Compressor stations? Use Attachment 1.		No	

Pipe Specifications:			
Year Installed (Range)	1955 - 2014	Pipe Diameters (Range)	5/8" – 16"
Material Type	STW, PE, MDPE, ST, WI	Line Pipe Specification Used	
Mileage	3240	SMYS %	< 20%

Operator Qualification Field Validation
<b>Important:</b> Per OPS, the OQ Field Inspection Protocol Form (Rev 4, May 2007) shall be used by the inspector as part of this standard inspection. When completed, the inspector will upload this information into the PHMSA OQ Database (OQDB) located at <a href="http://primis.phmsa.dot.gov/oqdb/home.oq">http://primis.phmsa.dot.gov/oqdb/home.oq</a> <b>Date Completed/Uploaded</b>

Integrity Management Field Validation
<b>Important:</b> Per PHMSA, IMP Field Verification Form (Rev 6/18/2012) shall be used by the inspector as part of this standard inspection. When completed, the inspector will upload this information into the PHMSA IM Database (IMDB) located at <a href="http://primis.phmsa.dot.gov/gasimp/home.gim">http://primis.phmsa.dot.gov/gasimp/home.gim</a> (N/A-covered as part of DIMP or TIMP inspection) <b>Date Completed/Uploaded:</b>

PART 199 Drug and Alcohol Testing Regulations and Procedures		S	U	NA	NC
<b>Subparts A - C</b>	Drug & Alcohol Testing & Misuse Prevention Program – Use PHMSA Form #13, Rev 3/19/2010. Do not ask the company to have a drug and alcohol expert available for this portion of your inspection.	X			

REPORTING RECORDS	S	U	N/A	N/C

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REPORTING RECORDS			S	U	N/A	N/C
1.	49 U.S.C. 60132, Subsection (b)	For Gas Transmission Pipelines and LNG Plants. Submission of Data to the National Pipeline Mapping System Under the Pipeline Safety Improvement Act of 2002 Updates to NMPS: Operators are required to make update submissions every 12 months if any system modifications have occurred. <u>If no modifications have occurred since the last complete submission (including operator contact information), send an email to <a href="mailto:opsgis@rspa.dot.gov">opsgis@rspa.dot.gov</a> stating that fact.</u> Include operator contact information with all updates. Submitted 2/10/2014 (No change notice)	X			
2.	RCW 81.88.080	Pipeline Mapping System: Has the operator provided accurate maps (or updates) of pipelines, operating over two hundred fifty pounds per square inch gauge, to specifications developed by the commission sufficient to meet the needs of first responders?	X			
3.	191.5	Immediate Notice of certain incidents to NRC (800) 424-8802, or electronically at <a href="http://www.nrc.uscg.mil/nrchp.html">http://www.nrc.uscg.mil/nrchp.html</a> , and additional report if significant new information becomes available. Operator must have a written procedure for calculating an initial estimate of the amount of product released in an accident. 1/11/13 Tacoma WA, Fed reportable	X			
4.	191.7	Reports (except SRCR and offshore pipeline condition reports) must be submitted electronically to PHMSA at <a href="http://portal.phmsa.dot.gov/pipeline">http://portal.phmsa.dot.gov/pipeline</a> at unless an alternative reporting method is authorized IAW with paragraph (d) of this section.	X			
5.	191.15(a)	30-day follow-up written reports to PHMSA (Form F7100.2) Submittal must be electronically to <a href="http://pipelineonlinereporting.phmsa.dot.gov">http://pipelineonlinereporting.phmsa.dot.gov</a>	X			
6.	191.15(c)	Supplemental report (to 30-day follow-up) no supplemental reports			X	
7.	191.17	Complete and submit DOT Form PHMSA F 7100-2.1 by March 15 of each calendar year for the preceding year. (NOTE: June 15, 2011 for the year 2010).	X			
8.	191.22	Each operator must obtain an OPID, validate its OPIDs, and notify PHMSA of certain events at <a href="http://portal.phmsa.dot.gov/pipeline">http://portal.phmsa.dot.gov/pipeline</a>	X			
9.	191.23	Filing the Safety Related Condition Report (SRCR) no safety related conditions			X	
10.	191.25  49 U.S.C. 60139, Subsection (b)(2)	Filing the SRCR within 5 days of determination, but not later than 10 days after discovery. no safety related conditions <b>Note:</b> Operators of gas transmission pipelines that if the pipeline pressure exceeds maximum allowable operating pressure (MAOP) plus the build-up, owner/operator must report the exceedance to PHMSA <b>on or before the fifth day</b> following the date on which the exceedance occurs.  The report should be titled “Gas Transmission MAOP Exceedance” and provide the following information: <ul style="list-style-type: none"> <li>• The name and principal address of the operator date of the report, name, job title, and business telephone number of the person submitting the report.</li> <li>• The name, job title, and business telephone number of the person who determined the condition exists.</li> <li>• The date the condition was discovered and the date the condition was first determined to exist.</li> <li>• The location of the condition, with reference to the town/city/county and state or offshore site, and as appropriate, nearest street address, offshore platform, survey station number, milepost, landmark, and the name of the commodity transported or stored.</li> <li>• The corrective action taken before the report was submitted and the planned follow-up or future corrective action, including the anticipated schedule for starting and concluding such action.</li> </ul>			X	
11.	.605(d)	Instructions to enable operation and maintenance personnel to recognize potential Safety Related Conditions no safety related conditions			X	
12.	191.27	Offshore pipeline condition reports – filed within 60 days after the inspections no offshore pipelines-Gulf of Mexico condition			X	
13.	192.727(g)	Abandoned facilities offshore, onshore crossing commercially navigable waterways reports No abandoned facilities			X	
14.	480-93-200(1)	Telephonic Reports to UTC Pipeline Safety Incident Notification 1-888-321-9144 (Within 2 hours) for events which results in;				

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15.	480-93-200(1)(a)	A fatality or personal injury requiring hospitalization; <b>No fatalities or injuries</b>			X	
16.	480-93-200(1)(b)	Damage to property of the operator and others of a combined total exceeding fifty thousand dollars; <b>1/11/13 S. Tacoma Way at Sprague, Tacoma WA</b>	X			
17.	480-93-200(1)(c)	The evacuation of a building, or high occupancy structures or areas;	X			
18.	480-93-200(1)(d)	The unintentional ignition of gas; <b>12/27/11 at 1006 N. Stevens-process/procedure change resulted from this incident</b>	X			
19.	480-93-200(1)(e)	The unscheduled interruption of service furnished by any operator to twenty five or more distribution customers; <b>12/28/11 5200 78<sup>th</sup> Ave NW, Gig Harbor</b>	X			
20.	480-93-200(1)(f)	A pipeline pressure exceeding the MAOP plus ten percent or the maximum pressure allowed by proximity considerations outlined in WAC 480-93-020;	X			
21.	480-93-200(1)(g)	Is significant, in the judgment of the operator, even though it does not meet the criteria of (a) through (f) of this subsection; <b>None in this unit</b>			X	
22.	480-93-200(2)	Telephonic Reports to <b>UTC Pipeline Safety Incident Notification 1-888-321-9146</b> (Within <b>24 hours</b> ) for;				
23.	480-93-200(2)(a)	The uncontrolled release of gas for more than two hours;	X			
24.	480-93-200(2)(b)	The taking of a high pressure supply or transmission pipeline or a major distribution supply gas pipeline out of service; <b>None since last unit inspection</b>			X	
25.	480-93-200(2)(c)	A gas pipeline operating at low pressure dropping below the safe operating conditions of attached appliances and gas equipment; or <b>None since last unit inspection</b>			X	
26.	480-93-200(2)(d)	A gas pipeline pressure exceeding the MAOP	X			
27.	480-93-200(4)	Did written incident reports (within 30 days of telephonic notice) include the following				
28.	480-93-200(4)(a)	Name(s) and address(es) of any person or persons injured or killed, or whose property was damaged; <b>No injuries or fatalities on incidents since last unit inspection</b>			X	
29.	480-93-200(4)(b)	The extent of injuries and damage; <b>No injuries or fatalities on incidents since last unit inspection</b>			X	
30.	480-93-200(4)(c)	A description of the incident or hazardous condition including the date, time, and place, and reason why the incident occurred. If more than one reportable condition arises from a single incident, each must be included in the report;	X			
31.	480-93-200(4)(d)	A description of the gas pipeline involved in the incident or hazardous condition, the system operating pressure at that time, and the MAOP of the facilities involved;	X			
32.	480-93-200(4)(e)	The date and time the gas pipeline company was first notified of the incident;	X			
33.	480-93-200(4)(f)	The date and time the ((operator's)) gas pipeline company's first responders arrived on-site;	X			
34.	480-93-200(4)(g)	The date and time the gas ((facility)) pipeline was made safe;	X			
35.	480-93-200(4)(h)	The date, time, and type of any temporary or permanent repair that was made;	X			
36.	480-93-200(4)(i)	The cost of the incident to the ((operator)) gas pipeline company;	X			
37.	480-93-200(4)(j)	Line type;	X			
38.	480-93-200(4)(k)	City and county of incident; and	X			
39.	480-93-200(4)(l)	Any other information deemed necessary by the commission.	X			
40.	480-93-200(5)	Supplemental report if required information becomes available after 30 day report submitted	X			
41.	480-93-200(6)	Written report within 5 days of receiving the <b>failure analysis</b> of any incident or hazardous condition due to <b>construction defects or material failure</b> <b>PSE does submit these analyses</b>	X			
42.	480-93-200(7)	<b>Filing Reports of Damage to Gas Pipeline Facilities to the commission. (eff 4/1/2013)</b> (Via the commission's Virtual DIRT system or on-line damage reporting form)				
43.	480-93-200(7)(a)	Does the operator report to the commission the requirements set forth in RCW 19.122.053(3) (a) through (n)	X			
44.	480-93-200(7)(b)	Does the operator report the name, address, and phone number of the person or entity that the company has reason to believe may have caused damage due to excavations conducted <b>without facility locates</b> first being completed?	X			

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<b>45.</b>	480-93-200(7)(c)	Does the operator retain all damage and damage claim records it creates related to damage events reported under 93-200(7)(b), including photographs and documentation supporting the conclusion that a facilities locate was not completed? <b>Note:</b> Records maintained for two years and made available to the commission upon request.	X			
<b>46.</b>	480-93-200(8)	Does the operator provide the following information to excavators who damage gas pipeline facilities?				
<b>47.</b>	480-93-200(8)(a)	<ul style="list-style-type: none"> <li>• Notification requirements for excavators under RCW 19.122.050(1)</li> </ul>	X			
<b>48.</b>	480-93-200(8)(b)	<ul style="list-style-type: none"> <li>• A description of the excavator's responsibilities for reporting damages under RCW 19.122.053; and</li> </ul>	X			
<b>49.</b>	480-93-200(8)(c)	<ul style="list-style-type: none"> <li>• Information concerning the safety committee referenced under RCW 19.122.130, including committee contact information, and the process for filing a complaint with the safety committee.</li> </ul>	X			
<b>50.</b>	480-93-200(9)	<b>Reports to the commission only when the operator or its contractor observes or becomes aware of the following activities...None in this unit (no transmission)</b> <ul style="list-style-type: none"> <li>• An excavator digs within thirty-five feet of a transmission pipeline, as defined by RCW 19.122.020(26) without first obtaining a facilities locate; (200(9)(a)</li> <li>• A person intentionally damages or removes marks indicating the location or presence of gas pipeline facilities. 200(9)(b)</li> </ul>			X	
<b>51.</b>	480-93-200(10)	<b>Annual Reports</b> filed with the commission no later than <b>March 15</b> for the proceeding calendar year				
<b>52.</b>	480-93-200(10)(a)	A copy of PHMSA F-7100.1-1 and F-7100.2-1 annual report required by U.S. Department of Transportation, PHMSA/Office of Pipeline Safety	X			
<b>53.</b>	480-93-200(10)(b)	Reports detailing all construction defects and material failures resulting in leakage. Categorizing the different types of construction defects and material failures. The report must include the following: (i) Types and numbers of construction defects; and (ii) Types and numbers of material failures.	X			
<b>54.</b>	480-93-200(11)	Providing updated emergency contact information to the commission and appropriate officials of all municipalities where gas pipeline companies have facilities	X			
<b>55.</b>	480-93-200(12)	Providing by email, reports of daily construction and repair activities no later than 10:00 a.m.	X			
<b>56.</b>	480-93-200(13)	Submitting copy of DOT Drug and Alcohol Testing MIS Data Collection Form when required	X			

**Comments:**

<b>CUSTOMER and EXCESS FLOW VALVE INSTALLATION NOTIFICATION</b>			<b>S</b>	<b>U</b>	<b>N/A</b>	<b>N/C</b>
<b>57.</b>	192.16	<b>Customer notification</b> - Customers notified, within <b>90 days</b> , of their responsibility for those service lines not maintained by the operator	X			
<b>58.</b>	192.381	Does the excess flow valve meet the performance standards prescribed under §192.381? <b>UMAC Series 2600 GasBreaker</b>	X			
<b>59.</b>	192.383	Does the operator have an installation and reporting program for excess flow valves and does the program meet the requirements outlined in §192.383? Are records adequate?	X			

**Comments:**



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CONSTRUCTION RECORDS			S	U	N/A	N/C
60.	480-93-013	OQ records for personnel performing New Construction covered tasks	X			
61.	192.225	Test Results to Qualify Welding Procedures 4900.1310, 4900.1410, 4900.1500 <b>1999 by Driscopipe using PSE procedure OK</b>	X			
62.	192.227	Welder Qualification <b>Jakob Friss, Mike Pollard (2" and below)</b>	X			
63.	480-93-080(1)(b)	Appendix C Welders re-qualified <b>2/Yr (7.5Months)</b>	X			
64.	480-93-080(2)	Plastic pipe joiners re-qualified <b>1/Yr (15 Months)</b> <b>Jakob Friss, Mike Pollard, Casey Ramos</b>	X			
65.	480-93-080(2)(b)	Plastic pipe joiners re-qualified if no production joints made during any 12 month period <b>PSE requalifies all pipe joiners annually.</b>			X	
66.	480-93-080(2)(c)	Tracking Production Joints or Re-qualify joiners <b>1/Yr (12Months)</b> <b>PSE requalifies all pipe joiners annually.</b>			X	
67.	480-93-115(2)	Test leads on casings (without vents) installed after 9/05/1992 <b>No casings installed this unit since last inspection</b>			X	
68.	480-93-115(3)	Sealing ends of casings or conduits on transmission lines and mains <b>No transmission in this unit</b>			X	
69.	480-93-115(4)	Sealing ends (nearest building wall) of casings or conduits on services <b>Standard note on construction docs, but did not observed during this inspection</b>	X			
70.	192.241(a)	Visual Weld Inspector Training/Experience	X			
71.	192.243(b)(2)	Nondestructive Technician Qualification	X			
72.	192.243(c)	NDT procedures	X			
73.	192.243(f)	Total Number of Girth Welds	X			
74.	192.243(f)	Number of Welds Inspected by NDT	X			
75.	192.243(f)	Number of Welds Rejected <b>None rejected</b>			X	
76.	192.243(f)	Disposition of each Weld Rejected <b>None rejected</b>			X	
77.	.273/.283	Qualified Joining Procedures Including Test Results	X			
78.	192.303	Construction Specifications <b>PSE procedures as note on drawing sets</b>	X			
79.	192.325 WAC 480-93-178(4)(5)	Underground Clearances	X			
80.	192.327	Amount, location, cover of each size of pipe installed	X			
81.	480-93-160(1)	Report filed <b>45 days</b> prior to construction or replacement of transmission pipelines <b>≥ 100</b> feet in length <b>No transmission in this unit</b>			X	
82.	480-93-160(2)	Did report describe the proposed route and the specifications for the pipeline and must include, but is not limited to the following items: <b>No transmission in this unit</b>			X	
83.	480-93-160(2)(a)	Description and purpose of the proposed pipeline; <b>No transmission in this unit</b>			X	
84.	480-93-160(2)(b)	Route map showing the type of construction to be used throughout the length of the line, and delineation of class location as defined in 49 CFR Part 192.5, and incorporated boundaries along the route. <b>No transmission in this unit</b>			X	
85.	480-93-160(2)(c)	Location and specification of principal valves, regulators, and other auxiliary equipment to be installed as a part of the pipeline system to be constructed <b>No transmission in this unit</b>			X	
86.	480-93-160(2)(d)	MAOP for the gas pipeline being constructed; <b>No transmission in this unit</b>			X	
87.	480-93-160(2)(e)	Location and construction details of all river crossings or other unusual construction requirements encountered en route. <b>No transmission in this unit</b>			X	
88.	480-93-160(2)(f)	Proposed corrosion control program to be followed inc specs for coating and wrapping, and method to ensure the integrity of the coating using holiday detection equipment;			X	

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<b>CONSTRUCTION RECORDS</b>			<b>S</b>	<b>U</b>	<b>N/A</b>	<b>N/C</b>
<b>89.</b>	480-93-160(2)(g)	Welding specifications; and <b>No transmission in this unit</b>			X	
<b>90.</b>	480-93-160(2)(h)	Bending procedures to be followed if needed. <b>No transmission in this unit</b>			X	
<b>91.</b>	480-93-170(1)	Commission notified 2 days prior to pressure testing pipelines with an MAOP producing a hoop stress $\geq$ <b>20% SMYS? No transmission in this unit</b>			X	
<b>92.</b>	480-93-170(7)	Pressure tests records at a minimum include required information listed under 480-93-170(a-h) <b>No transmission in this unit</b>	X			
<b>93.</b>	480-93-170(9)	Individual pressure test records maintained for single installations where multiple pressure tests were performed?	X			
<b>94.</b>	480-93-170(10)	Pressure Testing Equipment checked for accuracy/intervals (Manufacturers Rec or Operators schedule)	X			
<b>95.</b>	480-93-175(2)	Study prepared and approved prior to moving and lowering of metallic pipelines <b>&gt; 60 psig None since last unit inspection</b>			X	
<b>96.</b>	480-93-175(4)	Leak survey within <b>30 days</b> of moving or lowering pipelines $\leq$ <b>60 psig None since last unit inspection</b>			X	

**Comments:**

<b>OPERATIONS and MAINTENANCE RECORDS</b>			<b>S</b>	<b>U</b>	<b>N/A</b>	<b>N/C</b>
<b>97.</b>	192.517(a)	Pressure Testing (operates at or above 100 psig) – <b>useful life of pipeline or 5-yr window for pre-code pipelines</b>	X			
<b>98.</b>	192.517(b)	Pressure Testing (operates below 100 psig, service lines, plastic lines) – <b>5 years</b>	X			
<b>99.</b>	192.605(a)	Procedural Manual Review – Operations and Maintenance ( <b>1 per yr/15 months</b> ) <b>Note:</b> Including review of OQ procedures as <u>suggested</u> by PHMSA - ADB-09-03 dated 2/7/09 <b>Updated annually, last update 3/1/2014 effective date</b>	X			
<b>100.</b>	192.605(b)(3)	Availability of construction records, maps, operating history to operating personnel	X			
<b>101.</b>	480-93-018(3)	Records, including maps and drawings updated within <b>6 months</b> of completion of construction activity?	X			
<b>102.</b>	192.605(b)(8)	Periodic review of personnel work – effectiveness of normal O&M procedures <b>PSE inhouse gas site audits for contractors, and QC audits for PSE personnel</b>	X			
<b>103.</b>	192.605(c)(4)	Periodic review of personnel work – effectiveness of abnormal operation procedures <b>No transmission in this unit</b>			X	
<b>104.</b>	192.609	Class Location Study ( <b>If applicable</b> ) <b>No transmission in this unit</b>			X	
<b>105.</b>	192.611	Confirmation or revision of MAOP <b>No revisions to MAOP in this unit since last inspection—NOTE no transmission in this unit.</b>			X	
<b>106.</b>		<b>Damage Prevention (Operator Internal Performance Measures)</b>				
<b>107.</b>		Does the operator have a quality assurance program in place for monitoring the locating and marking of facilities? Do operators conduct regular field audits of the performance of locators/contractors and take action when necessary? (CGA Best Practices v. 6.0, Best Practice 4-18. Recommended only, not required)	X			
<b>108.</b>	192.614	Does operator including performance measures in facility locating services contracts with corresponding and meaningful incentives and penalties?	X			
<b>109.</b>		Do locate contractors address performance problems for persons performing locating services through mechanisms such as re-training, process change, or changes in staffing levels?	X			
<b>110.</b>		Does the operator periodically review the Operator Qualification plan criteria and methods used to qualify personnel to perform locates?	X			



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<b>OPERATIONS and MAINTENANCE RECORDS</b>			<b>S</b>	<b>U</b>	<b>N/A</b>	<b>N/C</b>
<b>111.</b>		Review operator locating and excavation <u>procedures</u> for compliance with state law and regulations.	X			
<b>112.</b>		Are locates are being made within the timeframes required by state law and regulations? Examine record sample.	X			
<b>113.</b>		Are locating and excavating personnel properly <u>qualified</u> in accordance with the operator’s Operator Qualification plan and with federal and state requirements?	X			
<b>114.</b>		Follow-up inspection performed on the pipeline where there is reason to believe the pipeline could be damaged .614(c) (6) 1. Is the inspection the done as frequently as necessary during and after the activities to verify the integrity of the pipeline? 2. In the case of blasting, does the inspection include leakage surveys?	X			

**Comments:**

<b>115.</b>		<b>Emergency Response Plans</b>	<b>S</b>	<b>U</b>	<b>N/A</b>	<b>N/C</b>
<b>116.</b>	192.603(b)	Prompt and effective response to each type of emergency .615(a)(3) <b>Note:</b> Review operator records of previous accidents and failures including third-party damage and leak response	X			
<b>117.</b>	192.615(b)(1)	Location Specific Emergency Plan <b>None in this unit</b>			X	
<b>118.</b>	192.615(b)(2)	Emergency Procedure training, verify effectiveness of training	X			
<b>119.</b>	192.615(b)(3)	Employee Emergency activity review, determine if procedures were followed.	X			
<b>120.</b>	192.615(c)	Liaison Program with Public Officials	X			
<b>121.</b>	192.616	<b>Public Awareness Program</b>				
<b>122.</b>	192.616(e&f)	Documentation properly and adequately reflects implementation of operator’s Public Awareness Program requirements - Stakeholder Audience identification, message type and content, delivery method and frequency, supplemental enhancements, program evaluations, etc. (i.e. contact or mailing rosters, postage receipts, return receipts, audience contact documentation, etc. for emergency responder, public officials, school superintendents, program evaluations, etc.). See table below:	X			
<b>123.</b>		Operators in existence on June 20, 2005, must have completed their written programs no later than June 20, 2006. See 192.616(a) and (j) for exceptions.				
<b>124.</b>		<b>API RP 1162 Baseline* Recommended Message Deliveries</b>				

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125.		<b>Stakeholder Audience (LDC's)</b>	<b>Baseline Message Frequency (starting from effective date of Plan)</b>				
		Residence Along Local Distribution System	Annual				
		LDC Customers	Twice annually				
		One-Call Centers	As required of One-Call Center				
		Emergency Officials	Annual				
		Public Officials	3 years				
		Excavator and Contractors	Annual				
		<b>Stakeholder Audience (Transmission line operators)</b>	<b>Baseline Message Frequency (starting from effective date of Plan)</b>				
		Residence Along Local Distribution System	2 years				
		One-Call Centers	As required of One-Call Center				
		Emergency Officials	Annual				
		Public Officials	3 years				
		Excavator and Contractors	Annual				
		126.					
127.	192.616(g)	The program conducted in English and any other languages commonly understood by a significant number of the population in the operator's area.		X			
128.	.616(h)	IAW API RP 1162, the operator's program should be reviewed for effectiveness within four years of the date the operator's program was first completed. <u>For operators in existence on June 20, 2005</u> , who must have completed their written programs no later than June 20, 2006, the first evaluation is due no later than <b>June 20, 2010</b> . .616(h)		X			
129.	192.616(j)	Operators of a Master Meter or petroleum gas system – public awareness messages 2 times annually: <b>PSE does operate gas distribution system</b> (1) A description of the purpose and reliability of the pipeline; (2) An overview of the hazards of the pipeline and prevention measures used; (3) Information about damage prevention; (4) How to recognize and respond to a leak; and (5) How to get additional information.				X	
130.	192.617	Review operator records of accidents and failures including laboratory analysis where appropriate to determine cause and prevention of recurrence .617 <b>Note:</b> Including excavation damage and leak response records (PHMSA area of emphasis) (NTSB B.10)		X			

**Comments:**

131.	192.619/621/623	Maximum Allowable Operating Pressure (MAOP) Note: New PA-11 design criteria is incorporated into 192.121 & .123 (Final Rule Pub. 12/24/08) <b>PSE has records indicating MAOP based on 5 yr operating history and historic pipe purchase records and historic pipe specifications and design pressure calculations.</b>	X			
132.	480-93-015(1)	Odorization of Gas – Concentrations adequate	X			
133.	480-93-015(2)	Monthly Odorant Sniff Testing	X			
134.	480-93-015(3)	Prompt action taken to investigate and remediate odorant concentrations not meeting the minimum requirements <b>None since last inspection</b>			X	

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135.	480-93-015(4)	Odorant Testing Equipment Calibration/Intervals (Annually or Manufacturers Recommendation)	X			
136.	480-93-124(3)	Pipeline markers attached to bridges or other spans inspected? <b>1/yr(15 months)</b>	X			
137.	480-93-124(4)	Markers reported missing or damaged replaced within <b>45 days?</b>	X			
138.	480-93-140(2)	Service regulators and associated safety devices tested during initial turn-on	X			
139.	480-93-155(1)	Up-rating of system MAOP to <b>&gt;60 psig?</b> Procedures and specifications submitted <b>45 days</b> prior? <b>Salishan in Tacoma</b>	X			
140.	480-93-185(1)	Reported gas leaks promptly investigated? Graded in accordance with 480-93-186? Records retained? <b>PSE initiated leaks investigations—report time not shown on form but is in LMS database which is also part of record. PSE initiated a corrective action on this process prior to inspection as result of internal audit.</b>	X			
141.	480-93-185(3)(a)	Leaks originating from a foreign source. Take appropriate action to protect life and property regarding the pipeline company’s own facilities, and; <b>None since the last inspection</b>			X	
142.	480-93-185(3)(b)	Leaks originating from a foreign source reported promptly/notification by mail. Records retained? <b>PSE has not needed to send any letters as required by this regulation</b>			X	
143.	480-93-186(3)	Leak evaluations: Are follow-up inspections performed within <b>30 days</b> of a leak repair?	X			
144.	480-93-186(4)	Leak evaluations: Grade 1 and 2 leaks (if any), downgraded once to a grade 3 without physical repair?	X			
145.	480-93-187	Gas leak records: at a minimum include required information listed under 480-93-187(1-13)	X			
146.	480-93-188(1)	Gas leak surveys	X			
147.	480-93-188(2)	Gas detection instruments tested for accuracy/intervals (Mfct recommended or monthly not to exceed 45 days)	X			
148.	480-93-188(3)	Leak survey frequency ( <b>Refer to Table Below</b> ) <b>leak survey same interval as atmos 1/3 yr</b>	X			

Business Districts ( <b>implement by 6/02/07</b> )	<b>1/yr (15 months)</b>
High Occupancy Structures	<b>1/yr (15 months)</b>
Pipelines Operating $\geq$ 250 psig	<b>1/yr (15 months)</b>
Other Mains: CI, WI, copper, unprotected steel	<b>2/yr (7.5 months)</b>

149.	480-93-188(4)(a)	Special leak surveys - Prior to paving or resurfacing, following street alterations or repairs or other related construction	X			
150.	480-93-188(4)(b)	Special leak surveys - areas where substructure construction occurs adjacent to underground gas facilities, and damage could have occurred	X			
151.	480-93-188(4)(c)	Special leak surveys - Unstable soil areas where active gas lines could be affected <b>None since last inspection</b>			X	
152.	480-93-188(4)(d)	Special leak surveys - areas and at times of unusual activity, such as earthquake, floods, and explosions <b>electrical arc issue 2012</b>	X			
153.	480-93-188(4)(e)	Special leak surveys - After third-party excavation damage to services, operators must perform a gas leak survey to eliminate the possibility of multiple leaks and underground migration into nearby buildings. <b>PSE performs this as part of normal response to leak call</b>	X			
154.	480-93-188(5)	Gas Survey Records ( <b>Min 5 yrs</b> ) and at a minimum include required information listed under 480-93-188 (5) (a-f)	X			
155.	480-93-188(6)	Leak program - Self Audits	X			
156.	192.709	Patrolling (Transmission Lines) ( <b>Refer to Table Below</b> ) <b>.705 No transmission in this unit</b>			X	

Class Location	At Highway and Railroad Crossings	At All Other Places
<b>1 and 2</b>	<b>2/yr (7½ months)</b>	<b>1/yr (15 months)</b>
<b>3</b>	<b>4/yr (4½ months)</b>	<b>2/yr (7½ months)</b>
<b>4</b>	<b>4/yr (4½ months)</b>	<b>4/yr (4½ months)</b>

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157.	192.709	Leak Surveys (Transmission Lines) (Refer to Table Below) .706 No transmission in this unit			X																													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;"></th> <th style="width: 15%;">Class Location</th> <th style="width: 45%;">Required</th> <th style="width: 15%;">Not Exceed</th> <th style="width: 10%;"></th> <th style="width: 5%;"></th> <th style="width: 5%;"></th> </tr> </thead> <tbody> <tr> <td></td> <td>1 and 2</td> <td>1/yr</td> <td>15 months</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>3</td> <td>2/yr</td> <td>7½ months</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>4</td> <td>4/yr</td> <td>4½ months</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>								Class Location	Required	Not Exceed					1 and 2	1/yr	15 months					3	2/yr	7½ months					4	4/yr	4½ months			
	Class Location	Required	Not Exceed																															
	1 and 2	1/yr	15 months																															
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	4	4/yr	4½ months																															
158.	192.603(b)	Patrolling Business District (4 per yr/4½ months) .721(b)(1)	X																															
159.	192.603(b)	Patrolling Outside Business District (2 per yr/7½ months) 192.721(b)(2)	X																															
160.	192.603(b)	Leakage Survey - Outside Business District (5 years) 192.723(b)(1) 1/3 yrs with atmos	X																															
161.	192.603(b)	Leakage Survey 192.723(b)(2) <ul style="list-style-type: none"> <li>• Outside Business District (5 years)</li> <li>• Cathodically unprotected distribution lines (3 years)</li> </ul>	X																															
162.	192.603(b)	Tests for Reinstating Service Lines 192.725	X																															
163.	192.603(b)/.727(g)	Abandoned Pipelines; Underwater Facility Reports 192.727 None in this unit			X																													
164.	192.709	Pressure Limiting and Regulating Stations (1 per yr/15 months) .739	X																															
165.	192.709	Pressure Limiting and Regulator Stations – Capacity (1 per yr/15 months) .743	X																															
166.	192.709	Valve Maintenance – Transmission (1 per yr/15 months) .745 No transmission in this unit			X																													
167.	192.709	Valve Maintenance – Distribution (1 per yr/15 months) .747	X																															
168.	480-93-100(3)	Service valve maintenance (1 per yr/15 months)	X																															
169.	192.709	Vault maintenance (≥200 cubic feet)(1 per yr/15 months) .749 No vaults meeting regulation			X																													
170.	192.603(b)	Prevention of Accidental Ignition (hot work permits) .751 PSE does not use hot work permits—procedures cover this			X																													
171.	192.603(b)	Welding – Procedure 192.225(b)	X																															
172.	192.603(b)	Welding – Welder Qualification 192.227/.229	X																															
173.	192.603(b)	NDT – NDT Personnel Qualification .243(b)(2)	X																															
174.	192.709	NDT Records (pipeline life) .243(f) No transmission in this unit			X																													
175.	192.709	Repair: pipe (pipeline life); Other than pipe (5 years) No transmission in this unit			X																													
176.	192.905(c)	Periodically examining their transmission line routes for the appearance of newly identified area's (HCA's) No transmission in this unit			X																													

**Comments:**

<b>CORROSION CONTROL RECORDS</b>			<b>S</b>	<b>U</b>	<b>N/A</b>	<b>N/C</b>
177.	192.455(a)(1)	Pipeline coatings meet requirements of 192.461 (for buried pipelines installed after 7/31/71)	X			
178.	192.455(a)(2)	CP system installed on and operating within 1 yr of completion of pipeline construction (after 7/31/71)	X			
179.	192.465(a)	Annual Pipe-to-soil Monitoring (1 per yr/15 months) for short sections (10% per year; all in 10 years)	X			
180.	192.491	Test Lead Maintenance .471	X			
181.	192.491	Maps or Records .491(a)	X			

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<b>CORROSION CONTROL RECORDS</b>			<b>S</b>	<b>U</b>	<b>N/A</b>	<b>N/C</b>
182.	192.491	Examination of Buried Pipe when exposed .459	X			
183.	480-93-110(8)	CP test reading on all exposed facilities where coating has been removed	X			
184.	192.491	Annual Pipe-to-soil monitoring ( <b>1 per yr/15 months</b> ) .465(a)	X			
185.	192.491	Rectifier Monitoring ( <b>6 per yr/2½ months</b> ) .465(b)	X			
186.	192.491	Interference Bond Monitoring – Critical ( <b>6 per yr/2½ months</b> ) .465(c) <b>None in this unit</b>			X	
187.	192.491	Interference Bond Monitoring – Non-critical ( <b>1 per yr/15 months</b> ) .465(c) <b>None in this unit</b>			X	
188.	480-93-110(2)	Remedial action taken within 90 days (Up to 30 additional days if other circumstances. Must document) .465(d)	X			
189.	480-93-110(3)	CP equipment/ instrumentation maintained, tested for accuracy, calibrated, and operated in accordance with manufactures recommendations, or at appropriate schedule determined by gas company if no recommendation.	X			
190.	192.491	Unprotected Pipeline Surveys, CP active corrosion areas ( <b>1 per 3 cal yr/39 months</b> ) .465(e) <b>None in this unit</b>			X	
191.	192.491	Electrical Isolation ( <b>Including Casings</b> ) .467 <b>RR Casing at Williams Crossing</b>	X			
192.	480-93-110(5)	Casings inspected/tested annually not to exceed <b>fifteen months</b>	X			
193.	480-93-110(5)(a)	Casings w/no test leads installed prior to 9/05/1992. Demonstrate other acceptable test methods	X			
194.	480-93-110(5)(b)	Possible shorted conditions – Perform confirmatory follow-up inspection within <b>90 days</b>	X			
195.	480-93-110(5)(c)	Casing shorts cleared when practical <b>No casing shorts cleared-on list for leak survey</b>			X	
196.	480-93-110(5)(d)	Shorted conditions leak surveyed within 90 days of discovery. <b>Twice annually/7.5 months</b>	X			
197.	192.491	Interference Currents .473 <b>No interference currents</b>			X	
198.	192.491	Internal Corrosion; Corrosive Gas Investigation .475(a) <b>PSE has no internal corrosion issues—Williams does not supply corrosive gas</b>			X	
199.	192.491	Internal Corrosion; Internal Surface Inspection; Pipe Replacement .475(b) <b>PSE has no internal corrosion issues—Williams does not supply corrosive gas</b>			X	
200.	192.491	Internal Corrosion Control Coupon Monitoring ( <b>2 per yr/7½ months</b> ) .477 <b>PSE has no internal corrosion issues—Williams does not supply corrosive gas</b>			X	
201.	192.491	Atmospheric Corrosion Control Monitoring ( <b>1 per 3 cal yr/39 months onshore; 1 per yr/15 months offshore</b> ) .481	X			
202.	192.491	Remedial: Replaced or Repaired Pipe; coated and protected; corrosion evaluation and actions .483/.485	X			

**Comments:**

<b>PIPELINE INSPECTION (Field)</b>			<b>S</b>	<b>U</b>	<b>N/A</b>	<b>N/C</b>
203.	192.161	Supports and anchors	X			
204.	480-93-080(1)(d)	Welding procedures located on site where welding is performed? <b>No welding witnessed during field inspection</b>			X	
205.	480-93-080(1)(b)	Use of testing equipment to record and document essential variables <b>No welding witnessed during field inspection</b>			X	
206.	480-93-080(2)(a)	Plastic procedures located on site where welding is performed? <b>No fusion witnessed during field inspection</b>			X	
207.	480-93-080(3)	Identification and qualification cards/certificates w/name of welder/joiner, their qualifications, date of qualification and operator whose qualification procedures were			X	

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PIPELINE INSPECTION (Field)			S	U	N/A	N/C
		followed. <i>No fusion witnessed during field inspection</i>				
208.	480-93-013	Personnel performing “New Construction” covered tasks OQ qualified? <i>No construction crews witnessed during field inspection</i>			X	
209.	480-93-015(1)	Odorization	X			
210.	480-93-018(3)	Updated records, inc maps and drawings made available to appropriate operations personnel?	X			
211.	192.179	Valve Protection from Tampering or Damage	X			
212.	192.455	Pipeline coatings meet requirements of 192.461 ( <i>for buried pipelines installed after 7/31/71</i> )	X			
213.	192.463	Levels of cathodic protection	X			
214.	192.465	Rectifiers	X			
215.	192.467	CP - Electrical Isolation	X			
216.	192.476	Systems designed to reduce internal corrosion <i>PSE has no internal corrosion issues—Williams does not supply corrosive gas</i>			X	
217.	192.479	Pipeline Components exposed to the atmosphere	X			
218.	192.481	Atmospheric Corrosion: monitoring	X			
219.	192.491	Test Stations – Sufficient Number .469	X			
220.	480-93-115(2)	Casings – Test Leads (casings w/o vents installed after 9/05/1992)	X			
221.	480-93-115(2)	Mains or transmission lines installed in casings/conduit. Are casing ends sealed? <i>Did not witness installation in casing or conduit.</i>			X	
222.	480-93-115(4)	Service lines installed in casings/conduit. Are casing ends nearest to building walls sealed? <i>Did not witness installation in casing or conduit.</i>			X	
223.	192.605(a)	Appropriate parts of manuals kept at locations where O&M activities are conducted	X			
224.	192.605	Knowledge of Operating Personnel	X			
225.	480-93-124	Pipeline markers	X			
226.	480-93-124(4)	Markers reported missing or damaged replaced within <b>45 days</b> ?	X			
227.	192.719	Pre-pressure Tested Pipe ( <b>Markings and Inventory</b> ) <i>No pretested pipe at Lakewood operating base</i>			X	
228.	192.195	Overpressure protection designed and installed where required?	X			
229.	192.739/743	Pressure Limiting and Regulating Devices ( <b>Mechanical/Capacities</b> )	X			
230.	192.741	Telemetry, Recording Gauges	X			
231.	192.751	Warning Signs	X			
232.	192.355	Customer meters and regulators. Protection from damage	X			
233.	192.355(c)	Pits and vaults: Able to support vehicular traffic where anticipated.	X			
234.	480-93-140	Service regulators installed, operated and maintained per state/fed regs and manufacturers recommended practices?	X			
235.	480-93-178(2)	Plastic Pipe Storage facilities – Maximum Exposure to Ultraviolet Light (2yrs)	X			
236.	480-93-178(4)	Minimum Clearances from other utilities. For parallel lines a minimum of twelve inches. Where a minimum twelve inches of separation is not possible, must take adequate precautions, such as inserting the plastic pipeline in conduit, to minimize any potential hazards. <i>Did not witness construction in trench with other utilities</i>			X	
237.	480-93-178(5)	Minimum Clearances from other utilities. For perpendicular lines a minimum of six inches of separation from the other utilities. Where a minimum six inches of separation is not possible, must take adequate precautions, such as inserting the plastic pipeline in conduit, to minimize any potential hazards <i>Did not witness construction in trench crossing other utilities</i>			X	
238.	480-93-178(6)	Are there Temporary above ground PE pipe installations currently? <b>Yes No X</b>				
239.	480-93-178(6)(a)	If yes, is facility monitored and protected from potential damage? <i>No temporary PE installed</i>			X	



**Utilities and Transportation Commission  
Standard Inspection Report for Intrastate Gas Distribution Systems  
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PIPELINE INSPECTION (Field)			S	U	N/A	N/C
240.	480-93-178(6)(b)	If installation exceeded 30 days, was commission staff notified prior to exceeding the deadline? <b>No temporary PE installed</b>			X	
241.	192.745	Valve Maintenance (Transmission) <b>No Transmission this unit</b>			X	
242.	192.747	Valve Maintenance (Distribution)	X			

**Facility Sites Visited:**

Facility Type	Facility ID Number	Location
Regulator station	RS2673	Gig Harbor
Regulator station	RS2741	Tacoma
Regulator station	RS1359	Sumner (North Tacoma Gate)
Rectifier	PS 220	Sumner (North Tacoma Gate)
Rectifier	PS 214	Puyallup
Rectifier	PS 239	Tacoma
Rectifier	PS 241	Tacoma
Rectifier	PS 368	Lakewood
Odorizer and Storage Tank	OD 0055	Sumner (North Tacoma Gate)
Shorted Casing	TS-070893	Parkland
Williams Crossing Isolation Test Point	TS-070893	Parkland
Bridge Crossing	PBS-0148	Bonney Lake
Bridge Crossing	PBS-0203	Gig Harbor
Bridge Crossing	PBS-0356	Orting
Steep Slope	PBS-0150	Edgewood
Steep Slope	PBS-0289	Orting

**Comments:**

**Recent Gas Pipeline Safety Advisory Bulletins: (Last 2 years)**

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<u>Number</u>	<u>Date</u>	<u>Subject</u>
ADB-2013-07	July 12, 13	Potential for Damage to Pipeline Facilities Caused by Flooding
ADB-2012-10	Dec 5, 12	Using Meaningful Metrics in Conducting Integrity Management Program Evaluations
ADB-2012-09	Oct 11, 12	Communication During Emergency Situations
ADB-2012-08	Jul 31, 12	Inspection and Protection of Pipeline Facilities After Railway Accidents
ADB-12-07	Jun 11, 12	Mechanical Fitting Failure Reports
ADB-12-06	May 7, 12	Verification of Records establishing MAOP and MOP
ADB-12-05	Mar 23, 12	Cast Iron Pipe (Supplementary Advisory Bulletin)
ADB -12-04	Mar 21, 12	Implementation of the National Registry of Pipeline and Liquefied Natural Gas Operators
ADB-12-03	Mar 6, 12	Notice to Operators of Driscopipe 8000 High Density Polyethylene Pipe of the Potential for Material Degradation
ADB-11-05	Sep 1, 11	Potential for Damage to Pipeline Facilities Caused by the Passage of Hurricanes

For more PHMSA Advisory Bulletins, go to <http://phmsa.dot.gov/pipeline/regs/advisory-bulletin>

## Attachment 1 NA-No compressor Stations in District Distribution Operator Compressor Station Inspection

Unless otherwise noted, all code references are to 49CFR Part 192. S – Satisfactory U – Unsatisfactory N/A – Not Applicable N/C – Not Checked  
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		<b>COMPRESSOR STATION PROCEDURES</b>		<b>S</b>	<b>U</b>	<b>N/A</b>	<b>N/C</b>
243.	.605(b)						
244.		.605(b)(6)	Maintenance procedures, including provisions for isolating units or sections of pipe and for purging before returning to service				
245.		.605(b)(7)	Starting, operating, and shutdown procedures for gas compressor units				
246.		.731	Inspection and testing procedures for remote control shutdowns and pressure relieving devices ( <b>1 per yr/15 months</b> ), prompt repair or replacement				
247.		.735	(a) Storage of excess flammable or combustible materials at a safe distance from the compressor buildings				
248.			(b) Tank must be protected according to <b>NFPA #30</b>				
249.		.736	Compressor buildings in a compressor station must have fixed gas detection and alarm systems ( <b>must be performance tested</b> ), unless:				
250.			<ul style="list-style-type: none"> <li><b>50% of the upright side areas</b> are permanently open, or</li> </ul>				
251.			<ul style="list-style-type: none"> <li>It is an unattended field compressor station of <b>1000 hp or less</b></li> </ul>				

<b>Comments:</b>
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			<b>COMPRESSOR STATION O&amp;M PERFORMANCE AND RECORDS</b>		<b>S</b>	<b>U</b>	<b>N/A</b>	<b>N/C</b>
252.	.709	.731(a)	Compressor Station Relief Devices ( <b>1 per yr/15 months</b> )					
253.		.731(c)	Compressor Station Emergency Shutdown ( <b>1 per yr/15 months</b> )					
254.		.736(c)	Compressor Stations – Detection and Alarms ( <b>Performance Test</b> )					

<b>Comments:</b>
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				<b>COMPRESSOR STATIONS INSPECTION (Field)</b>		<b>S</b>	<b>U</b>	<b>N/A</b>	<b>N/C</b>
				(Note: Facilities may be “Grandfathered”)					
255.	.163	(c)	Main operating floor must have (at least) two (2) separate and unobstructed exits						
256.			Door latch must open from inside without a key						
257.			Doors must swing outward						
258.		(d)	Each fence around a compressor station must have (at least) 2 gates or other facilities for emergency exit						
259.			Each gate located within 200 ft of any compressor plant building must open outward						
260.			When occupied, the door must be opened from the inside without a key						
261.		(e)	Does the equipment and wiring within compressor stations conform to the <b>National Electric Code, ANSI/NFPA 70?</b>						
262.	.165	(a)	If applicable, are there liquid separator(s) on the intake to the compressors?						
263.		(b)	Do the liquid separators have a manual means of removing liquids?						
264.			If slugs of liquid could be carried into the compressors, are there automatic dumps on the separators, Automatic compressor shutdown devices, or high liquid level alarms?						
265.	.167	(a)	ESD system must:						

## Attachment 1 NA-No compressor Stations in District Distribution Operator Compressor Station Inspection

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COMPRESSOR STATIONS INSPECTION (Field)			S	U	N/A	N/C
(Note: Facilities may be “Grandfathered”)						
266.		- Discharge blowdown gas to a safe location				
267.		- Block and blow down the gas in the station				
268.		- Shut down gas compressing equipment, gas fires, electrical facilities in compressor building and near gas headers				
269.		- Maintain necessary electrical circuits for emergency lighting and circuits needed to protect equipment from damage				
270.		ESD system must be operable from at least two locations, each of which is:				
271.	.167	- Outside the gas area of the station				
272.		- Not more than 500 feet from the limits of the station				
273.		- ESD switches near emergency exits?				
274.	(b)	For stations supplying gas directly to distribution systems, is the ESD system configured so that the LDC will not be shut down if the ESD is activated?				
275.	(c)	Are ESDs on platforms designed to actuate automatically by...				
276.		- For unattended compressor stations, when:				
277.		▪ The gas pressure equals MAOP plus 15%?				
278.		▪ An uncontrolled fire occurs on the platform?				
279.		- For compressor station in a building, when				
280.		▪ An uncontrolled fire occurs in the building?				
281.		▪ Gas in air reaches 50% or more of LEL in a building with a source of ignition (facility conforming to <b>NEC Class 1, Group D</b> is not a source of ignition)?				
282.	.171	(a) Does the compressor station have adequate fire protection facilities? If fire pumps are used, they must not be affected by the ESD system.				
283.		(b) Do the compressor station prime movers (other than electrical movers) have over-speed shutdown?				
284.		(c) Do the compressor units alarm or shutdown in the event of inadequate cooling or lubrication of the unit(s)?				
285.		(d) Are the gas compressor units equipped to automatically stop fuel flow and vent the engine if the engine is stopped for any reason?				
286.		(e) Are the mufflers equipped with vents to vent any trapped gas?				
287.	.173	Is each compressor station building adequately ventilated?				
288.	.457	Is all buried piping cathodically protected?				
289.	.481	Atmospheric corrosion of aboveground facilities				
290.	.603	Does the operator have procedures for the start-up and shut-down of the station and/or compressor units?				
291.		Are facility maps current/up-to-date?				
292.	.615	Emergency Plan for the station on site?				
293.	.619	Review pressure recording charts and/or SCADA				
294.	.707	Markers				
295.	.731	Overpressure protection – relief’s or shutdowns				
296.	.735	Are combustible materials in quantities exceeding normal daily usage, stored a safe distance from the compressor building?				
297.		Is aboveground oil or gasoline storage tanks protected in accordance with <b>NFPA standard No. 30?</b>				
298.	.736	Gas detection – location				

<b>Comments:</b>
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**Attachment 1 NA-No compressor Stations in District  
Distribution Operator Compressor Station Inspection**

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**Comments:**