

Utilities and Transportation Commission
Standard Inspection Report for Intrastate Gas Distribution Systems
Records Review and Field Inspection – Form C

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			
Inspection ID/Docket Number	Inspection ID 2651		
Inspector Name & Submit Date	Lex Vinsel 7/5/13		
Chief Eng Name & Review/Date	Joe Subsits 7/5/13		
Operator Information			
Name of Operator:	Puget Sound Energy	OP ID #:	22189
Name of Unit(s):	W King County		
Records Location:	Bellevue(Headquarters), Georgetown(GTO), North Operating Base(NOB)		
Date(s) of Last (unit) Inspection:	June 20, 2011 thru July 6, 2011	Inspection Date(s):	May 6-10, 13-17, 20-24, 28, 29, 31, 2013

<p>Inspection Summary:</p> <p>Note A – 4/9/13 – Interstate Transmission items in Form C were covered on their own inspection (Inspection ID #2618) Items (81, 156, 157, 166, 174-176, 241,) are Transmission only</p>

<p>HQ Address: 335 110th Ave. NE Bellevue, WA 98004</p>	<p>System/Unit Name & Address: King County West</p>	
<p>Co. Official: Booga Gilbertson, VP Operations Phone No.: 425-462-3843 Fax No.: Emergency Phone No.: 800-552-7171</p>	<p>Phone No.: Fax No.: Emergency Phone No.:</p>	
Persons Interviewed	Title	Phone No.
Darryl Hong	Compliance Program Coordinator	(425)462-3911
Cheryl McGrath	Manager, Compliance and Regulatory Audits Gas	(425)462-3207
Zak Mohamed	Quality Assurance & Inspection	(425)247-6751
Tony Imad	Consulting Engineer, Gas Compliance	(425)462-2970
Scott Sammons	Damage Prevention Coordinator	(425)457-5816
Steve Schueneman	Supervisor, Gas System Engineering	(425)462-3971
Dorthy Bracken	Customer Communications Manager	(425)462-3206
Charlie Gadzik	Customer Safety Communications Mgr.	(425)456-2727
Srini Pendikatla	Engineer, Gas systems Engineering	(425)462-3796
Signe Lippert	Supervisor Maintenance Programs	(206)716-2630
Michelle Gallardo	Engineer, Gas System Integrity	(425)462-3859
Alan Mulkey	Consulting Engineer, GSI	(425)462-3889
Debbie Larson	Supervisor CC North	(206)255-8166
Brenda Wagner	Engineering Specialist	(206)604-5786
Jeff Anderson	Associate Engineer	(425)417-1764
Tony Sayavong	Engineer - Standards	(425)462-3847
Ron Easley	Engineer - Standards	(425)462-3721

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Gary Swanson	Maintenance Programs Coord.	(206)716-2632
Al Schlecht	CP Tech	(206)396-6682
Rick Kessler	CP Tech	(206)571-7908
Bobby Bryan	CP Fitter 2	(206)722-8796
Kevin Banister	Foreman	(253)327-3996
Jon Henderson	Supervisor	(360)490-7167
Bill Johnson	CP Tech	(206)571-8519
Jim Hogan	Sr. Project Manager, Energy Resources	(425)462-3957
Joe MacDuff	Contract Manager, PSE InfraSource Contract Management	(425)424-6477
Jon Henderson	Superintendent/GF (InfraSource)	(253)395-7064
Kenneth D Brown	Supervisor Gas First Response	(206)517-3497
Jay Poole	Gas Service Tech	(253)261-5668
Jerry Rustin	Corrosion Tech	(206)571-8281
Jeff Haugen	Utility Worker I	(206)255-0780
Steve Dickerson	Supervisor Pressure Control (PC)	(206)255-3363
Charles Smythe Jr	PC Tech	(206)394-6632
Willis Macauley	PC Tech	(425)766-1267
Eric Cannon	PC Tech	(206)396-4428
Sam Gallaway	Pressure Control	(206)571-2511
Paul Otto	CFS/GFR	
Ken Brown	Supervisor GFR	(253)261-3349
Rhonda Shupert	QA Inspector	(253)405-1890
Tony Lupo	Quality Control Consultant(Gas)	(425)495-0276
Derek Koo	Gas Standards	(425)462-3819
Rick Elkin	Contract Manager	(253)395-6893
Stephanie Silva	Continuing Surveillance	
Jerry Engel	QA Inspector	(425)691-0658
Dave Wharton	QC Manager (InfraSource)	(253)385-3451

WUTC staff conducted an abbreviated procedures inspection on 192 O&M and WAC items that changed since the last inspection. This checklist focuses on Records and Field items per a routine standard inspection.			
(check one below and enter appropriate date)			
<input type="checkbox"/>	Team inspection was performed (Within the past five years.) or,	Date:	
<input checked="" type="checkbox"/>	Other WUTC Inspector reviewed the O & M Manual (Since the last yearly review of the manual by the operator.) Docket 100019, November 2010 an O&M review was conducted	Date:	11-2010

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GAS SYSTEM OPERATIONS			
Gas Supplier		Williams	
Services: <i>Residential 250,000 estimate Commercial Industrial 2,637 Other</i>			
Number of reportable safety related conditions last year		0	
Number of <u>non-reportable</u> safety related conditions last year		0	
Number of deferred leaks in system		*B1&B2 – 286, C- Approx. 2400	
Number of third party hits last year		2011 – 771; 2012 -732	
Miles of transmission pipeline within unit (total miles and miles in class 3 & 4 areas)		2,400 ft	
Miles of main within inspection unit (total miles and miles in class 3 & 4 areas)		1,839	
Operating Pressure(s):		MAOP (Within last year)	Actual Operating Pressure (At time of Inspection)
Feeder:	Various		
	North Seattle supply	250 MAOP	250 PSIG
	Greenwood supply	250 MAOP	250 PSIG
	South Seattle supply	250 MAOP	250 PSIG
	Midway supply	250 MAOP	250 PSIG
Town:			
Other:			
Does the operator have any transmission pipelines?		Yes	
Compressor stations? Use Attachment 1.		No Compressor Station in this unit.	

Pipe Specifications:			
Year Installed (Range)	1925-2013	Pipe Diameters (Range)	0.5-20-INCH
Material Type	Wrought Iron, Copper, steel wrap, bare steel, HDPE, MDPE	Line Pipe Specification Used	Various
Mileage	1852	SMYS %	Less than 29% (some transmission)

Operator Qualification Field Validation
Important: Per OPS, the OQ Field Inspection Protocol Form 15 (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 http://primis.phmsa.dot.gov/oqdb/home.oq Date Completed/Uploaded 7/8/2013

Integrity Management Field Validation
Important: Per PHMSA, IMP Field Verification Form 16 (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 http://primis.phmsa.dot.gov/gasimp/home.gim Date Completed/Uploaded: N/A – Not a transmission inspection

PART 199 Drug and Alcohol Testing Regulations and Procedures		S	U	NA	NC
Subparts A - C	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			

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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 opsgis@rspa.dot.gov stating that fact.</u> Include operator contact information with all updates. **Reviewed 2010, 2011, 2012 NPMS submittal.**	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? **Reviewed with Ray by PSE on or about 4/3/2012. See Comments Below**	X			
3.	191.5	Immediate Notice of certain incidents to NRC (800) 424-8802, or electronically at http://www.nrc.uscg.mil/nrchp.html , 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. **OPS 2425.1100 **2400.1000**Response planning Engineer document Table IV-1 contains the requirement to calculate gas loss if the guide show the loss to be near 3000MCG**	X			
4.	191.7	Reports (except SRCR and offshore pipeline condition reports) must be submitted electronically to PHMSA at https://opsweb.phmsa.dot.gov at unless an alternative reporting method is authorized IAW with paragraph (d) of this section. **No safety related conditions for timeframe of inspection.**	X			
5.	191.15(a)	30-day follow-up written reports to PHMSA (Form F7100.2) Submittal must be electronically to http://pipelineonlinereporting.phmsa.dot.gov **Submitted during Pine Hurst incident.	X			
6.	191.15(c)	Supplemental report (to 30-day follow-up)	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 https://opsweb.phmsa.dot.gov	X			
9.	191.23	Filing the Safety Related Condition Report (SRCR) None in this district.	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. Note: 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 on or before the fifth day 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"> • 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. • The name, job title, and business telephone number of the person who determined the condition exists. • The date the condition was discovered and the date the condition was first determined to exist. • 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. • 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. ** No SCRC reports for this unit, King Co West.**	X			
11.	.605(d)	Instructions to enable operation and maintenance personnel to recognize potential Safety Related Conditions. Gas Operating Standard (GOS) 2425.1200 Sections 3 & 4.	X			

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REPORTING RECORDS			S	U	N/A	N/C
12.	191.27	Offshore pipeline condition reports – filed within 60 days after the inspections **No offshore pipelines.**			X	
13.	192.727(g)	Abandoned facilities offshore, onshore crossing commercially navigable waterways reports **No offshore pipelines in or around the Gulf of Mexico.**			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;				
15.	480-93-200(1)(a)	A fatality or personal injury requiring hospitalization;	X			
16.	480-93-200(1)(b)	Damage to property of the operator and others of a combined total exceeding fifty thousand dollars;	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;	X			
19.	480-93-200(1)(e)	The unscheduled interruption of service furnished by any operator to twenty five or more distribution customers;	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;	X			
22.	480-93-200(2)	Telephonic Reports to UTC Pipeline Safety Incident Notification 1-888-321-9144 (Within 24 hours) 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;	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	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;	X			
29.	480-93-200(4)(b)	The extent of injuries and damage;	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 ** (Like the cost of incidents)**	X			
41.	480-93-200(6)	Written report within 5 days of receiving the failure analysis of any incident or hazardous condition due to construction defects or material failure **SUBMITTED EVERY FEW DAYS associated with leak ticket stuff. **	X			
42.	480-93-200(7)	Filing Reports of Damage to Gas Pipeline Facilities to the commission. (eff 4/1/2013) (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			

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REPORTING RECORDS			S	U	N/A	N/C
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 without facility locates first being completed?	X			
45.	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? Note: Records maintained for two years and made available to the commission upon request. Mobile Workforce Reports – PCAD Damage records more than two years.	X			
46.	480-93-200(8)	Does the operator provide the following information to excavators who damage gas pipeline facilities? PSE sends a letter to excavators				
47.	480-93-200(8)(a)	<ul style="list-style-type: none"> Notification requirements for excavators under RCW 19.122.050(1) 	X			
48.	480-93-200(8)(b)	<ul style="list-style-type: none"> A description of the excavator's responsibilities for reporting damages under RCW 19.122.053; and 	X			
49.	480-93-200(8)(c)	<ul style="list-style-type: none"> 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. 	X			
50.	480-93-200(9)	Reports to the commission only when the operator or its contractor observes or becomes aware of the following activities **Currently they are have a procedure which is in process. Reviewed their draft procedure and PSE newsletter where they discuss the new requirements and how they will be implemented. Will be added to Gas Field Procedures manual for next year 2014.** <ul style="list-style-type: none"> 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) A person intentionally damages or removes marks indicating the location or presence of gas pipeline facilities. 200(9)(b) 	X			
51.	480-93-200(10)	Annual Reports filed with the commission no later than March 15 for the proceeding calendar year				
52.	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			
53.	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			
54.	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			
55.	480-93-200(12)	Providing by email, reports of daily construction and repair activities no later than 10:00 a.m.	X			
56.	480-93-200(13)	Submitting copy of DOT Drug and Alcohol Testing MIS Data Collection Form when required Submitted March 14, 2013	X			

Comments:

Number of deferred leaks in system *B1&B2 – 286, C- per Gary S.

Item 2 requires submittal of maps and records sufficient to allow ‘first responders’, so reviewed the maps for W King Co unit(district) for anything PSE had over 250 PSIG. Reviewed maps supplied by Ray D(UTC) - April 3, 2012.

CUSTOMER and EXCESS FLOW VALVE INSTALLATION NOTIFICATION			S	U	N/A	N/C
57.	192.16	Customer notification - Customers notified, within 90 days , of their responsibility for those service lines not maintained by the operator **2425.1900 Notifying Customers of Buried Fuel Lines – Also does a bill insert every quarter (Energywise) that covers Gas and Electric**	X			

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CUSTOMER and EXCESS FLOW VALVE INSTALLATION NOTIFICATION			S	U	N/A	N/C
58.	192.381	Does the excess flow valve meet the performance standards prescribed under §192.381? ** Reviewed Excess Flow valve (EFV) purchase order and found that the following (see below) standards apply along with 192.381 specifically. Manufacturer UMAC Excess Flow Valves**	X			
59.	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? **Excess flow valves are installed and recorded on the D-4 cards (as built)**	X			

Comments:

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	X			
62.	192.227	Welder Qualification	X			
63.	480-93-080(1)(b)	Appendix C Welders re-qualified 2/Yr (7.5Months)	X			
64.	480-93-080(2)	Plastic pipe joiners re-qualified 1/Yr (15 Months)	X			
65.	480-93-080(2)(b)	Plastic pipe joiners re-qualified if no production joints made during any 12 month period	X			
66.	480-93-080(2)(c)	Tracking Production Joints or Re-qualify joiners 1/Yr (12Months)	X			
67.	480-93-115(2)	Test leads on casings (without vents) installed after 9/05/1992	X			
68.	480-93-115(3)	Sealing ends of casings or conduits on transmission lines and mains	X			
69.	480-93-115(4)	Sealing ends (nearest building wall) of casings or conduits on services	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	X			
76.	192.243(f)	Disposition of each Weld Rejected	X			
77.	.273/.283	Qualified Joining Procedures Including Test Results GFP 4600.1010	X			
78.	192.303	Construction Specifications	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 45 days prior to construction or replacement of transmission pipelines ≥ 100 feet in length	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:	X			
83.	480-93-160(2)(a)	Description and purpose of the proposed pipeline;	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.	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	X			
86.	480-93-160(2)(d)	MAOP for the gas pipeline being constructed;	X			

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CONSTRUCTION RECORDS			S	U	N/A	N/C
87.	480-93-160(2)(e)	Location and construction details of all river crossings or other unusual construction requirements encountered en route.	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			
89.	480-93-160(2)(g)	Welding specifications; and	X			
90.	480-93-160(2)(h)	Bending procedures to be followed if needed.	X			
91.	480-93-170(1)	Commission notified 2 days prior to pressure testing pipelines with an MAOP producing a hoop stress \geq 20% SMYS?	X			
92.	480-93-170(7)	Pressure tests records at a minimum include required information listed under 480-93-170(a-h)	X			
93.	480-93-170(9)	Individual pressure test records maintained for single installations where multiple pressure tests were performed?	X			
94.	480-93-170(10)	Pressure Testing Equipment checked for accuracy/intervals (Manufacturers Rec or Operators schedule) **Get Serial numbers from job records and request calibration records for the timeframe.**	X			
95.	480-93-175(2)	Study prepared and approved prior to moving and lowering of metallic pipelines > 60 psig **None – PSE does NOT move or lower metallic pipelines**			X	
96.	480-93-175(4)	Leak survey within 30 days of moving or lowering pipelines \leq 60 psig **None – PSE does NOT move or lower metallic pipelines**			X	

Comments:

****Item # 60-96 Construction Records – Two job packages for this district and time frame. New Regulator Station on Duwamish RS-2738 (records) ****

**** RECORDS FOR SPECIFIC SECTIONS OF PIPELINE WERE REVIEWED****

****Norfolk and South Boeing Field area - RS-2743**

****20-inch HP from Renton Gate to Norfolk & South Boeing Field**

****16-inch HP from South Boeing Field**

****8-inch HP along Airport Way S (going NW)**

****8-inch HP in casing going South under Norfolk St in Casing?(size) I believe the pipeline turns west after casing.**

****RS-0064 – Regulator Station retired on July 29, 2008.**

****Item # 60-76 Weld Reports for construction jobs. -****

**** Item # 81 – PSE Transmission Lines were covered in 2012 Inspection ID 2618. See Note A in Inspection Summary****

OPERATIONS and MAINTENANCE RECORDS			S	U	N/A	N/C
97.	192.517(a)	Pressure Testing (operates at or above 100 psig) – useful life of pipeline	X			
98.	192.517(b)	Pressure Testing (operates below 100 psig, service lines, plastic lines) – 5 years	X			
99.	192.605(a)	Procedural Manual Review – Operations and Maintenance (1 per yr/15 months) Note: Including review of OQ procedures as <u>suggested</u> by PHMSA - ADB-09-03 dated 2/7/09 Noted as AOC in letter to company	X			
100.	192.605(b)(3)	Availability of construction records, maps, operating history to operating personnel	X			
101.	480-93-018(3)	Records, including maps and drawings updated within 6 months of completion of construction activity?	X			
102.	192.605(b)(8)	Periodic review of personnel work – effectiveness of normal O&M procedures	X			
103.	192.605(c)(4)	Periodic review of personnel work – effectiveness of abnormal operation procedures	X			
104.	192.609	Class Location Study (If applicable) ** (PSE builds to Class #4)**	X			
105.	192.611	Confirmation or revision of MAOP	X			
106.	192.614	Damage Prevention (Operator Internal Performance Measures)				

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OPERATIONS and MAINTENANCE RECORDS			S	U	N/A	N/C
107.		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			
108.		Does operator including performance measures in facility locating services contracts with corresponding and meaningful incentives and penalties?	X			
109.		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			
110.		Does the operator periodically review the Operator Qualification plan criteria and methods used to qualify personnel to perform locates? Contractor management handles these performance standards and review on an annual basis.	X			
111.		Review operator locating and excavation <u>procedures</u> for compliance with state law and regulations. Reviewed on annual basis.	X			
112.		Are locates are being made within the timeframes required by state law and regulations? Examine record sample. Sample for April 2-6, 2012 for Seattle area from Scott Sammons and Zak. Sample delivered.	X			
113.		Are locating and excavating personnel properly <u>qualified</u> in accordance with the operator's Operator Qualification plan and with federal and state requirements? Reviewed OQ and safety certifications for locating company USIC with does the locates for Seattle area. All that training is done by the contractor want to see the OQ training certifications for the persons whom do locates.	X			
114.		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:

PSE notified when activities that could possibly harm the pipe including the exposure of the pipe for any reason. 2425.1600 Damage Prevention Program. Section 7.

Item 99 – Procedure Manual & Revision of procedures to clarify for field personnel.

Item 101 reviewed 10 job numbers for the previous 6 months and found all had been mapped.

Items 102 & 103 – Review with Zak. Annual review of the checklists used for the inspections. full QA procedure.

Items 121-128 Public Awareness Program Review by Patti J in 2012.

QA audits and monthly meetings to go over the audits for the month. Usually they will audit about 5 days per month and they review about 25 locations each time of the five days.

Emergency Response Plans			S	U	N/A	N/C
115.						
116.	192.603(b)	Prompt and effective response to each type of emergency .615(a)(3) Note: Review operator records of previous accidents and failures including third-party damage and leak response	X			
117.	192.615(b)(1)	Location Specific Emergency Plan	X			
118.	192.615(b)(2)	Emergency Procedure training, verify effectiveness of training	X			
119.	192.615(b)(3)	Employee Emergency activity review, determine if procedures were followed.	X			

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120.	192.615(c)	Liaison Program with Public Officials	X																													
121.	192.616	Public Awareness Program **Items 121-128 OK, Public Awareness Program Review by Patti J in 2012.**																														
122.	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																													
123.		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.																														
124.		API RP 1162 Baseline* Recommended Message Deliveries																														
125.		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Stakeholder Audience (LDC’s)</th> <th style="text-align: center;">Baseline Message Frequency (starting from effective date of Plan)</th> </tr> </thead> <tbody> <tr> <td>Residence Along Local Distribution System</td> <td>Annual</td> </tr> <tr> <td>LDC Customers</td> <td>Twice annually</td> </tr> <tr> <td>One-Call Centers</td> <td>As required of One-Call Center</td> </tr> <tr> <td>Emergency Officials</td> <td>Annual</td> </tr> <tr> <td>Public Officials</td> <td>3 years</td> </tr> <tr> <td>Excavator and Contractors</td> <td>Annual</td> </tr> <tr> <th style="text-align: center;">Stakeholder Audience (Transmission line operators)</th> <th style="text-align: center;">Baseline Message Frequency (starting from effective date of Plan)</th> </tr> <tr> <td>Residence Along Local Distribution System</td> <td>2 years</td> </tr> <tr> <td>One-Call Centers</td> <td>As required of One-Call Center</td> </tr> <tr> <td>Emergency Officials</td> <td>Annual</td> </tr> <tr> <td>Public Officials</td> <td>3 years</td> </tr> <tr> <td>Excavator and Contractors</td> <td>Annual</td> </tr> </tbody> </table>	Stakeholder Audience (LDC’s)	Baseline Message Frequency (starting from effective date of Plan)	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	Stakeholder Audience (Transmission line operators)	Baseline Message Frequency (starting from effective date of Plan)	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				
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126.		* Refer to API RP 1162 for additional requirements, including general program recommendations, supplemental requirements, recordkeeping, program evaluation, etc.																														
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. ** Reviewed coverage area and methods of message delivery**	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 June 20, 2010 . .616(h)	X																													
129.	192.616(j)	Operators of a Master Meter or petroleum gas system – public awareness messages 2 times annually: (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. **PSE does not regulate Master Meters**			X																											
130.	192.617	Review operator records of accidents and failures including laboratory analysis where appropriate to determine cause and prevention of recurrence .617 Note: Including excavation damage and leak response records (PHMSA area of emphasis) (NTSB B.10) **Failure analysis were discussed during review of leak surveys (resulting from 3rd party damage & corrosion leaks)**	X																													

Comments:

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****Item 121 - Public Awareness Program – Dorothy B (Bellevue)****

****Item 128 - 2005 baseline survey, implemented in 2006, Patti did the review 2011 November –December. Review completed and need to review any findings. New plan July 2012 , issues found with procedure were corrected and new procedures found to be adequate by Patti.**

****Item 130 - Failure Analysis review for 2011-2012 (may only have 2012 to choose from) Reviewed 17 of 27 leak tickets associated with Failure analysis. Leak ticket numbers on sheet supplied Pick a sample by leak ticket number.**

****IP systems in unit (IP-108 & IP-109)****

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) **2525.1400 Section 6.2.1**	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	X			
135.	480-93-015(4)	Odorant Testing Equipment Calibration/Intervals (Annually or Manufacturers Recommendation) **Reviewed 5 out of 5 odorators calibration for 2011&2012 OK**	X			
136.	480-93-124(3)	Pipeline markers attached to bridges or other spans inspected? 1/yr(15 months)	X			
137.	480-93-124(4)	Markers reported missing or damaged replaced within 45 days?	X			
138.	480-93-140(2)	Service regulators and associated safety devices tested during initial turn-on **Reviewed D4's to insure pressure tests were performed.**	X			
139.	480-93-155(1)	Up-rating of system MAOP to >60 psig? Procedures and specifications submitted 45 days prior? **No uprates in this district.**			X	
140.	480-93-185(1)	Reported gas leaks promptly investigated? Graded in accordance with 480-93-186? Records retained?	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;	X			
142.	480-93-185(3)(b)	Leaks originating from a foreign source reported promptly/notification by mail. Records retained?	X			
143.	480-93-186(3)	Leak evaluations: Are follow-up inspections performed within 30 days 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? **None observed.**	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) **Reviewed 4 gas track monthly calibration reports out of 21 instruments for 2001&2012 calibration reports (one was 2012 only) OK**	X			
148.	480-93-188(3)	Leak survey frequency (Refer to Table Below)	X			

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

149.	480-93-188(4)(a)	Special leak surveys - Prior to paving or resurfacing, following street alterations or repairs **None in unit per Gary S and Signe L**	X			
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150.	480-93-188(4)(b)	Special leak surveys - areas where substructure construction occurs adjacent to underground gas facilities, and damage could have occurred **None in unit per Gary S and Signe L.**	X															
151.	480-93-188(4)(c)	Special leak surveys - Unstable soil areas where active gas lines could be affected **None in unit per Gary S.**			X													
152.	480-93-188(4)(d)	Special leak surveys - areas and at times of unusual activity, such as earthquake, floods, and explosions **None in unit per Gary S.**			X													
153.	480-93-188(4)(e)	Special leak surveys - After third-party excavation damage to services, operators must perform a gas leak survey from the point of damage to the service tie-in **Reviewed leak tickets associated with 3rd party damages (incidents) in Seattle for 2011 & 2012. After the Pinehurst incident PSE reevaluated their special leak process and this resulted in many more special leak surveys. Per Gary S & Signe L**	X															
154.	480-93-188(5)	Gas Survey Records (Min 5 yrs) 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 ** Self audits for 2012 reviewed high level report with Ronda S & Tony Lupo. Heath has been replaced by Surveys and Analysis (S&A) during 2013. S&A started March 2013. Audit programs has recommended that another audit be done in 2014 for 2013 due to the change..	X															
156.	192.709	Patrolling (Transmission Lines) (Refer to Table Below) .705 **See Note A in Inspection Summary**			X													
<table border="1"> <thead> <tr> <th>Class Location</th> <th>At Highway and Railroad Crossings</th> <th>At All Other Places</th> </tr> </thead> <tbody> <tr> <td>1 and 2</td> <td>2/yr (7½ months)</td> <td>1/yr (15 months)</td> </tr> <tr> <td>3</td> <td>4/yr (4½ months)</td> <td>2/yr (7½ months)</td> </tr> <tr> <td>4</td> <td>4/yr (4½ months)</td> <td>4/yr (4½ months)</td> </tr> </tbody> </table>							Class Location	At Highway and Railroad Crossings	At All Other Places	1 and 2	2/yr (7½ months)	1/yr (15 months)	3	4/yr (4½ months)	2/yr (7½ months)	4	4/yr (4½ months)	4/yr (4½ months)
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157.	192.709	Leak Surveys (Transmission Lines) (Refer to Table Below) .706 **See Note A in Inspection Summary**			X													
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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)	X															
161.	192.603(b)	Leakage Survey 192.723(b)(2) <ul style="list-style-type: none"> Outside Business District (5 years)**PSE every 3 years** Cathodically unprotected distribution lines (3 years) 	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 district**			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 **Reviewed the relief capacity annual review for 2011 & 2012. with Srini P.**	X															
166.	192.709	Valve Maintenance – Transmission (1 per yr/15 months) .745 **See Note A in Inspection Summary**			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 (X cubic feet≤200 cubic feet)(1 per yr/15 months) .749			X													
170.	192.603(b)	Prevention of Accidental Ignition (hot work permits) .751			X													
171.	192.603(b)	Welding – Procedure 192.225(b) **Procedures per API 1104(date) 20th edition**	X															
172.	192.603(b)	Welding – Welder Qualification 192.227/.229	X															

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173.	192.603(b)	NDT – NDT Personnel Qualification .243(b)(2)	X			
174.	192.709	NDT Records (pipeline life) .243(f) **See Note A in Inspection Summary**			X	
175.	192.709	Repair: pipe (pipeline life); Other than pipe (5 years) **See Note A in Inspection Summary**			X	
176.	192.905(c)	Periodically examining their transmission line routes for the appearance of newly identified area's (HCA's **See Note A in Inspection Summary**)			X	

Comments:

Items 140, 143, 144 & 145 – Reviewed 20 out of 75 possible samples for required information. 480-93-187(1-13) and chose 5 of those to review the Exposed Pipe Condition Reports (EPCR) associated with five (5) leak tickets.(5/22/2013)

Items 141 & 142 – Odor call – odor from foreign source. Response to odor calls. 13,493 odor call responses for 2011 & 2012. Reviewed a random sample of (18) records on line.

Items 146 & 148 & 154 – Reviewed survey records for 2011-2012, Reviewed 20 plats out of 74 plat maps total selected by Darryl H.(5/22/2013)

Items 149, 150, 151, & 152 – Special leak survey 2011 at Brookside & NE 170 Street, they did it because it was requested. Starbucks 17039 Bothell Way. W Fuller 2/2/11 Instrument Number is not required. During that timeframe they do a weekly accuracy and calibration every month. Reviewed that record, Old form (resume) was revised after a self-audit found that the instrument number was not being recorded on the form.

Item 154 – Reviewed leak survey records with Jerry E. Followed path for G1, G2, G3, forms/conditions that are used to follow-up leak surveys that find a leak during the survey or how they handle leaks found by other means, such as an odor call.

Special Leak Surveys - 2012 – Michael Wilburn, FI-1500916009, 9/11/12.

Jim Brown – OMD-1017 (mobile unit) calibration confirmed. Survey requested due to odor call, during a sensitive time.
Jim

9/21-22, 2013 - Following electrical contact did extensive special survey.

Special Survey initiated by downed power line on SP-1029(10/29/2012) 18000 south Seattle.

Reviewed leak surveys for HP supply from South Seattle gate to extent of monster road.

Deferred Leaks – For the purpose of this audit Deferred Leaks are C leaks because there is no set time for repair. On 5/22,2013 approximately 2400 C leaks are in the system. This changes depending.

Item 156 & 157 & 166 & 174 & 175 & 176 – Transmission lines are covered in a separate inspection last done in 2012.

Item 161 – The circles on the survey plat maps are the unprotected bare steel services are checked every six months. They do their out of business district surveys every 3 years.

Item 169 – No vaults over 200 cubic feet in this unit.

Item 170 – Hot work permits not used, they do no welding inside buildings,

Bridge patrols – Bridge patrols of 4 per year, once a quarter. Reviewed system ****New Survey Group this year 2013 'Survey Analysis' is doing all leak surveys for PSE.****

OQ records for all personnel doing surveys. Reviewed sample.

CORROSION CONTROL RECORDS			S	U	N/A	N/C
177.	192.455(a)(1)	Pipeline coatings meet requirements of 192.461 (for buried pipelines installed after 7/31/71) **2600.1100 Sections 4 & 5**	X			

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CORROSION CONTROL RECORDS			S	U	N/A	N/C
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) **PSE does these on a 9 year rotation.**	X			
180.	192.491	Test Lead Maintenance .471 **2600.1200 Section 5**	X			
181.	192.491	Maps or Records .491(a) **Included in review of Bare Steel Replacement Program**	X			
182.	192.491	Examination of Buried Pipe when exposed .459 **Reviewed Exposed Pipe Condition Reports, Reviewed 8 of 58 picked for review**	X			
183.	480-93-110(8)	CP test reading on all exposed facilities where coating has been removed **Exposed Pipe Condition Reports** SEE ITEM 182 ABOVE**	X			
184.	192.491	Annual Pipe-to-soil monitoring (1 per yr/15 months) .465(a)	X			
185.	192.491	Rectifier Monitoring (6 per yr/2½ months) .465(b)	X			
186.	192.491	Interference Bond Monitoring – Critical (6 per yr/2½ months) .465(c)	X			
187.	192.491	Interference Bond Monitoring – Non-critical (1 per yr/15 months) .465(c)	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. **Instruments are calibrated annually Reviewed 2011&2012 annual calibrations**	X			
190.	192.491	Unprotected Pipeline Surveys, CP active corrosion areas (1 per 3 cal yr/39 months) .465(e) **Active corrosion area for Seattle looked at 5 out of 34 sections for this district.**	X			
191.	192.491	Electrical Isolation (Including Casings) .467 **Two casings that were shorted, leak tested every year.**	X			
192.	480-93-110(5)	Casings inspected/tested annually not to exceed fifteen months	X			
193.	480-93-110(5)(a)	Casings w/no test leads installed prior to 9/05/1992. Demonstrate other acceptable test methods **Cast Iron used as a casing for wrapped steel inserted in the CI**	X			
194.	480-93-110(5)(b)	Possible shorted conditions – Perform confirmatory follow-up inspection within 90 days **Shorted condition on I-5 casing cleared**	X			
195.	480-93-110(5)(c)	Casing shorts cleared when practical **Shorted condition on I-5 casing cleared**	X			
196.	480-93-110(5)(d)	Shorted conditions leak surveyed within 90 days of discovery. Twice annually/7.5 months	X			
197.	192.491	Interference Currents .473	X			
198.	192.491	Internal Corrosion; Corrosive Gas Investigation .475(a)			X	
199.	192.491	Internal Corrosion; Internal Surface Inspection; Pipe Replacement .475(b)	X			
200.	192.491	Internal Corrosion Control Coupon Monitoring (2 per yr/7½ months) .477			X	
201.	192.491	Atmospheric Corrosion Control Monitoring (1 per 3 cal yr/39 months onshore; 1 per yr/15 months offshore) .481	X			
202.	192.491	Remedial: Replaced or Repaired Pipe; coated and protected; corrosion evaluation and actions .483/485 **Corrosion leaks were reviewed with Jerry E.**	X			

Comments:

Item 198 - PSE does not use corrosive gas in their distribution system.

Item 200- PSE does not use coupons.

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PIPELINE INSPECTION (Field)			S	U	N/A	N/C
203.	192.161	Supports and anchors	X			
204.	480-93-080(1)(d)	Welding procedures located on site where welding is performed? **No welding observed**			X	
205.	480-93-080(1)(b)	Use of testing equipment to record and document essential variables **No welding observed**			X	
206.	480-93-080(2)(a)	Plastic procedures located on site where welding is performed? ** Plastic procedures located on site where Fusion is performed.**	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 followed.	X			
208.	480-93-013	Personnel performing “New Construction” covered tasks OQ qualified? **PROCEDURE**	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 **PSE gas is NOT corrosive**			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?	X			
222.	480-93-115(4)	Service lines installed in casings/conduit. Are casing ends nearest to building walls sealed? **In procedure**	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 45 days?	X			
227.	192.719	Pre-pressure Tested Pipe (Markings and Inventory) **Location and Markings**	X			
228.	192.195	Overpressure protection designed and installed where required?	X			
229.	192.739/743	Pressure Limiting and Regulating Devices (Mechanical/Capacities) **Relief Capacity reviewed each year.**	X			
230.	192.741	Telemetering, 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? **TEST – Pressure**	X			
235.	480-93-178(2)	Plastic Pipe Storage facilities – Maximum Exposure to Ultraviolet Light (2yrs) **See Note**	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	X			

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

S – Satisfactory U – Unsatisfactory N/A – Not Applicable N/C – Not Checked
If an item is marked U, N/A, or N/C, an explanation must be included in this report.

PIPELINE INSPECTION (Field)			S	U	N/A	N/C
		hazards.				
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	X			
238.	480-93-178(6)	Are there Temporary above ground PE pipe installations currently? Yes No X				
239.	480-93-178(6)(a)	If yes, is facility monitored and protected from potential damage? **See Item 238**			X	
240.	480-93-178(6)(b)	If installation exceeded 30 days, was commission staff notified prior to exceeding the deadline? **See Item 238**			X	
241.	192.745	Valve Maintenance (Transmission) **See Note A in Inspection Summary**			X	
242.	192.747	Valve Maintenance (Distribution)	X			

Facility Sites Visited:

Facility Type	Facility ID Number	Location
Georgetown Operating Base	GTO	Georgetown, WA
North Operating Base	NOB	Seattle, WA
District Office - Tacoma		Tacoma, WA
Headquarters- Bellevue		Bellevue, WA

Comments:

Item 235 – All plastic pipe storage was adequate NOB & GTO.
Items 239 & 240 – No exposed PE installations in district. See Item 238

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

<u>Number</u>	<u>Date</u>	<u>Subject</u>
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

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ADB-12-03	Mar 6, 12	Notice to Operators of Drisc.opipe 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
ADB-11-04	Jul 27, 11	Potential for damage to pipeline facilities caused by severe flooding.
ADB-11-03	May 17, 11	National Pipeline Mapping System Data Submissions and Submission Dates for Gas Transmission and Gathering Systems and Liquefied Natural Gas Annual Reports

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

Attachment 1

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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		COMPRESSOR STATION PROCEDURES	S	U	N/A	N/C
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			X	
245.		.605(b)(7) Starting, operating, and shutdown procedures for gas compressor units			X	
246.		.731 Inspection and testing procedures for remote control shutdowns and pressure relieving devices (1 per yr/15 months), prompt repair or replacement			X	
247.		.735 (a) Storage of excess flammable or combustible materials at a safe distance from the compressor buildings			X	
248.		(b) Tank must be protected according to NFPA #30			X	
249.		.736 Compressor buildings in a compressor station must have fixed gas detection and alarm systems (must be performance tested), unless:			X	
250.		• 50% of the upright side areas are permanently open, or			X	
251.		• It is an unattended field compressor station of 1000 hp or less			X	

Comments:
NO COMPRESSOR STATIONS IN DISTRICT

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

Comments:
NO COMPRESSOR STATIONS IN DISTRICT

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

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COMPRESSOR STATIONS INSPECTION (Field)			S	U	N/A	N/C
(Note: Facilities may be “Grandfathered”)						
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?			X	
265.	.167	(a) ESD system must:				
266.		- Discharge blowdown gas to a safe location			X	
267.		- Block and blow down the gas in the station			X	
268.		- Shut down gas compressing equipment, gas fires, electrical facilities in compressor building and near gas headers			X	
269.		- Maintain necessary electrical circuits for emergency lighting and circuits needed to protect equipment from damage			X	
270.		ESD system must be operable from at least two locations, each of which is:				
271.	.167	- Outside the gas area of the station			X	
272.		- Not more than 500 feet from the limits of the station			X	
273.		- ESD switches near emergency exits?			X	
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?			X	
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%?			X	
278.		▪ An uncontrolled fire occurs on the platform?			X	
279.		- For compressor station in a building, when				
280.		▪ An uncontrolled fire occurs in the building?			X	
281.		▪ Gas in air reaches 50% or more of LEL in a building with a source of ignition (facility conforming to NEC Class 1, Group D is not a source of ignition)?			X	
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.			X	
283.		(b) Do the compressor station prime movers (other than electrical movers) have over-speed shutdown?			X	
284.		(c) Do the compressor units alarm or shutdown in the event of inadequate cooling or lubrication of the unit(s)?			X	
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?			X	
286.		(e) Are the mufflers equipped with vents to vent any trapped gas?			X	
287.	.173	Is each compressor station building adequately ventilated?			X	
288.	.457	Is all buried piping cathodically protected?			X	
289.	.481	Atmospheric corrosion of aboveground facilities			X	
290.	.603	Does the operator have procedures for the start-up and shut-down of the station and/or compressor units?			X	
291.		Are facility maps current/up-to-date?			X	
292.	.615	Emergency Plan for the station on site?			X	
293.	.619	Review pressure recording charts and/or SCADA			X	
294.	.707	Markers			X	
295.	.731	Overpressure protection – relief’s or shutdowns			X	
296.	.735	Are combustible materials in quantities exceeding normal daily usage, stored a safe distance from the compressor building?			X	

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COMPRESSOR STATIONS INSPECTION (Field)			S	U	N/A	N/C
(Note: Facilities may be “Grandfathered”)						
297.		Is aboveground oil or gasoline storage tanks protected in accordance with NFPA standard No. 30?			X	
298.	.736	Gas detection – location			X	

Comments:
 NO COMPRESSOR STATIONS IN DISTRICT