

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

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			
Docket Number	Inspection ID 2594		
Inspector Name & Submit Date	David Cullom April 20,2012		
Chief Eng Name & Review/Date	Joe Subsits April 23, 2012		
Operator Information			
Name of Operator:	Puget Sound Energy	OP ID #:	22189
Name of Unit(s):	King County - East		
Records Location:	Bellevue and North Seattle		
Date(s) of Last (unit) Inspection:	May 27, 2010-June 4, 2010 June 28, 2010-July 2, 2010	Inspection Date(s):	March 20-23, 2011 March 26-29, 2012 And April 6, 2012

Inspection Summary:
<p>A standard inspection was conducted of King County East. Records were reviewed at the Bellevue and Shoreline offices. The field visit included an inspection of Pressure regulating stations, Cathodic protection facilities, isolated services (9yr reads per operator), odorizers, and odorant monitoring locations. No new violations were identified. There was one area of concern noted related to the pressure control OQ program. This issue is having relatively new personnel that are qualified to operate pressure limiting and relief stations, but seemed somewhat unfamiliar with the actual systems they were operating. There was “coaching” by senior staff during the OQ field portion. Whether or not this “coaching” was needed for the pressure technicians to safely operate the equipment independently is unclear. This is why it was noted as an area of concern for the OQ program and not a probable violation.</p>

HQ Address:	System/Unit Name & Address:	
355 110th Ave. NE Bellevue, WA 98004	King County East (Records at HQ, Shoreline, and Tacoma office)	
Co. Official: Sue McLain	Phone No.: (425) 462-3207	
Phone No.: (425) 462-3696	Fax No.: (425) 462-3770	
Fax No.: (425) 462-3770	Emergency Phone No.: (800) 552-7171	
Emergency Phone No.: (800) 552-7171	(425) 462-3207	
Persons Interviewed	Title	Phone No.
Darrel Hong	Compliance Program Coordinator	(206) 462-3911
Cheryl McGrath	Compliance Program Manager	(425) 462 - 3207
Scott Sammons	Damage Prevention Coordinator	(425) 457-5816
Gary Swanson	Program Coordinator	(206) 517-3432
Toni Imad	Consulting Engineer	(425) 456-2970
Soon Dye	Senior Engineer	(425) 462-3863
Signe Lippert	Maintenance Program Supervisor	(206) 766-6787
Brenda Wagner	Engineering Specialist	(425) 462-3931
Derek Koo	Consulting Engineer	(425)462-3819
Jerry Engel	QA Inspector	425-456-2858
Dave Wharton	QC Manager	253-380-3451
Matt Eldridge	Contract Management Contract Manager	253-476-6106
Jim Bergman	Gas FR Supervisor	425-748-6315
Don Frieze	Senior Engineer	425-462-3862

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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.)	Date:	11/29/2010

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GAS SYSTEM OPERATIONS			
Gas Supplier		Williams – Northwest Pipeline	
Services: <i>Residential ~200,000 Commercial ~2,500 Industrial ~500 Other</i>			
Number of reportable safety related conditions last year		0	
Number of <u>non-reportable</u> safety related conditions last year		0	
Miles of transmission pipeline within unit (total miles and miles in class 3 & 4 areas)		~ 1 mile or less	
Miles of main within inspection unit (total miles and miles in class 3 & 4 areas)		4183 – Not separated	
Operating Pressure(s):		MAOP (Within last year)	Actual Operating Pressure (At time of Inspection)
Feeder:	Various	<960 psig cedar hills landfill	<820 psig cedar Hills Landfill
Town:	Various	Various	Various
Other:	Various	Various	Various
Does the operator have any transmission pipelines?		Yes	
Compressor stations? Use Attachment 1.		No	

Pipe Specifications:			
Year Installed (Range)	1930 to present	Pipe Diameters (Range)	½-inch -20 inches
Material Type	PE, Steel wrap, bare steel	Line Pipe Specification Used	API 5L, ASTM D2513
Mileage	4183	SMYS %	<28.6% (South Seattle)

Operator Qualification Field Validation
Important: Per OPS, the OQ Field Inspection Protocol Form (Rev 3, Feb 08) 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 4/25/12

Integrity Management Field Validation
Important: Per PHMSA, IMP Field Verification Form (Rev 3, March 09) 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: To be completed during transmission audit by LV for 2012

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. ****Notes – We will be checking this in the Snohomish 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 opsgris@rspa.dot.gov stating that fact.</u> Include operator contact information with all updates. ***Notes – transmission submission to be checked by LV in 2012 trans audit***				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 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. ***Notes – Two reports to the NRC for 2011. Planning does the calculation with a Synergy model per Soon Dye.***	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. ***Notes -Yes, per Toni Imad***	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 ***Notes -Yes, per Toni Imad***	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) ***Notes – None**			X	
10.	191.25	Filing the SRCR within 5 days of determination, but not later than 10 days after discovery ***Notes – None**			X	
11.	.605(d)	Instructions to enable operation and maintenance personnel to recognize potential Safety Related Conditions OS 2425.1200	X			
12.	191.27	Offshore pipeline condition reports – filed within 60 days after the inspections ***Notes – None**			X	
13.	192.727(g)	Abandoned facilities offshore, onshore crossing commercially navigable waterways reports ***Notes – None**			X	
14.	480-93-200(1)	Telephonic Reports to UTC Pipeline Safety Incident Notification 1-888-321-9146 (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; ***Notes – None**			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 1-888-321-9146 (Within 24 hours) for;				

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REPORTING RECORDS			S	U	N/A	N/C
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; **Notes – None**			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 **Notes – None**			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 ((operators')) 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 failure analysis of any incident or hazardous condition due to construction defects or material failure *** Notes – 480-93-200(6) Soon Dye sends in and I checked with Marina.***	X			
42.	480-93-200(7)	Annual Reports filed with the commission no later than March 15 for the proceeding calendar year				
43.	480-93-200(7)(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			
44.	480-93-200(7)(b)	Damage Prevention Statistics Report including the following; ***Notes – Check with Marina***				
45.	480-93-200(7)(b)(i)	Number of gas-related one-call locate requests completed in the field; **Notes - 138,028 (2011)**	X			
46.	480-93-200(7)(b)(ii)	Number of third-party damages incurred; and **Notes – 850**	X			
47.	480-93-200(7)(b)(iii)	Cause of damage, where cause of damage is classified as one of the following: (A) Inaccurate locate; **Notes - 62** (B) Failure to use reasonable care; **Notes - 333** (C) Excavated prior to a locate being conducted; or **Notes - 74** (D) Other. 106 Excavator failed to call for locate **Notes - 275**	X			
48.	480-93-200(7)(c)	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			
49.	480-93-200(8)	Providing updated emergency contact information to the commission and appropriate officials of all municipalities where gas pipeline companies have facilities	X			
50.	480-93-200(9)	Providing by email, reports of daily construction and repair activities no later than 10:00 a.m.	X			

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REPORTING RECORDS			S	U	N/A	N/C
51.	480-93-200(10)	Submitting copy of DOT Drug and Alcohol Testing MIS Data Collection Form when required	X			

Comments:

7.No abandoned facilities crossing navigable waterways in East King County

CUSTOMER and EXCESS FLOW VALVE INSTALLATION NOTIFICATION			S	U	N/A	N/C
52.	192.16	Customer notification - Customers notified, within 90 days , of their responsibility for those service lines not maintained by the operator	X			
53.	192.381	Does the excess flow valve meet the performance standards prescribed under §192.381?	X			
54.	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:

CONSTRUCTION RECORDS			S	U	N/A	N/C
55.	480-93-013	OQ records for personnel performing New Construction covered tasks	X			
56.	192.225	Test Results to Qualify Welding Procedures *** Notes – Derek Koo provided***	X			
57.	192.227	Welder Qualification	X			
58.	480-93-080(1)(b)	Appendix C Welders re-qualified 2/Yr (7.5Months)	X			
59.	480-93-080(2)	Plastic pipe joiners re-qualified 1/Yr (15 Months)	X			
60.	480-93-080(2)(b)	Plastic pipe joiners re-qualified if no production joints made during any 12 month period	X			
61.	480-93-080(2)(c)	Tracking Production Joints or Re-qualify joiners 1/Yr (12Months) ***Notes – don't track production joints***	X			
62.	480-93-115(2)	Test leads on casings (without vents) installed after 9/05/1992 **Notes – None***			X	
63.	480-93-115(3)	Sealing ends of casings or conduits on transmission lines and mains	X			
64.	480-93-115(4)	Sealing ends (nearest building wall) of casings or conduits on services	X			
65.	192.241(a)	Visual Weld Inspector Training/Experience ***Notes - QA&I inspectors are qualified for visual weld inspection***	X			
66.	192.243(b)(2)	Nondestructive Technician Qualification ***Notes – transmission components will be reviewed as part of Lex's inspection in 2012***				X
67.	192.243(c)	NDT procedures ***Notes – transmission components will be reviewed as part of Lex's inspection in 2012***				X
68.	192.243(f)	Total Number of Girth Welds ***Notes – transmission components will be reviewed as part of Lex's inspection in 2012***				X
69.	192.243(f)	Number of Welds Inspected by NDT ***Notes – transmission components will be reviewed as part of Lex's inspection in 2012***				X

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CONSTRUCTION RECORDS			S	U	N/A	N/C
70.	192.243(f)	Number of Welds Rejected***Notes – transmission components will be reviewed as part of Lex’s inspection in 2012***				X
71.	192.243(f)	Disposition of each Weld Rejected ***Notes – transmission components will be reviewed as part of Lex’s inspection in 2012***				X
72.	.273/.283	Qualified Joining Procedures Including Test Results	X			
73.	192.303	Construction Specifications	X			
74.	192.325 WAC 480-93-178(4)(5)	Underground Clearances	X			
75.	192.327	Amount, location, cover of each size of pipe installed *Notes – In the notes the depth of cover is listed***	X			
76.	480-93-160(1)	Report filed 45 days prior to construction or replacement of transmission pipelines ≥ 100 feet in length ***Notes – transmission components will be reviewed as part of Lex’s inspection in 2012***				X
77.	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: ***Notes – transmission components will be reviewed as part of Lex’s inspection in 2012***				X
78.	480-93-160(2)(a)	Description and purpose of the proposed pipeline; ***Notes – transmission components will be reviewed as part of Lex’s inspection in 2012***				X
79.	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. ***Notes – transmission components will be reviewed as part of Lex’s inspection in 2012***				X
80.	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***Notes – transmission components will be reviewed as part of Lex’s inspection in 2012***				X
81.	480-93-160(2)(d)	MAOP for the gas pipeline being constructed; ***Notes – transmission components will be reviewed as part of Lex’s inspection in 2012***				X
82.	480-93-160(2)(e)	Location and construction details of all river crossings or other unusual construction requirements encountered en route. ***Notes – transmission components will be reviewed as part of Lex’s inspection in 2012***				X
83.	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; ***Notes – transmission components will be reviewed as part of Lex’s inspection in 2012***				X
84.	480-93-160(2)(g)	Welding specifications; and***Notes – transmission components will be reviewed as part of Lex’s inspection in 2012***				X
85.	480-93-160(2)(h)	Bending procedures to be followed if needed. ***Notes – transmission components will be reviewed as part of Lex’s inspection in 2012***				X
86.	480-93-170(1)	Commission notified 2 days prior to pressure testing pipelines with an MAOP producing a hoop stress ≥ 20% SMYS? ***Notes – transmission components will be reviewed as part of Lex’s inspection in 2012***				X
87.	480-93-170(7)	Pressure tests records at a minimum include required information listed under 480-93-170(a-h)	X			
88.	480-93-170(9)	Individual pressure test records maintained for single installations where multiple pressure tests were performed?	X			
89.	480-93-170(10)	Pressure Testing Equipment checked for accuracy/intervals (Manufacturers Rec or Operators schedule)	X			
90.	480-93-175(2)	Study prepared and approved prior to moving and lowering of metallic pipelines > 60 psig **Notes – None***			X	
91.	480-93-175(4)	Leak survey within 30 days of moving or lowering pipelines ≤ 60 psig **Notes – None***			X	

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Comments:

OPERATIONS and MAINTENANCE RECORDS			S	U	N/A	N/C
92.	192.517(a)	Pressure Testing (operates at or above 100 psig) – useful life of pipeline	X			
93.	192.517(b)	Pressure Testing (operates below 100 psig, service lines, plastic lines) – 5 years ** Notes -	X			
94.	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	X			
95.	192.605(b)(3)	Availability of construction records, maps, operating history to operating personnel	X			
96.	480-93-018(3)	Records, including maps and drawings updated within 6 months of completion of construction activity? ****Notes - Checked several 8-10 maps****	X			
97.	192.605(b)(8)	Periodic review of personnel work – effectiveness of normal O&M procedures	X			
98.	192.605(c)(4)	Periodic review of personnel work – effectiveness of abnormal operation procedures	X			
99.	192.609	Class Location Study (If applicable) ****Notes – HCA survey done for transmission It’s in the IMP, but no class location study as found in the previous Whatcom inspection.*** ***No pipelines in this over 40% SMYS so no study required per 192.609***			X	
100.	192.611	Confirmation or revision of MAOP ***No transmission pipelines in this over 40% SMYS so no study required per 192.609***			X	
101.		Damage Prevention (Operator Internal Performance Measures)				
102.		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) ****Notes - QA&I conducts regular field audits***	X			
103.		Does operator including performance measures in facility locating services contracts with corresponding and meaningful incentives and penalties? ****Notes – Contract management. There are performance percentages in the contract. There is 7 or 8 criteria that they look at***	X			
104.		Do locate contractors address performance problems for persons performing locating services through mechanisms such as re-training, process change, or changes in staffing levels? ****Notes – Unpaid days, retaining. Etc***	X			
105.	192.614	Does the operator periodically review the Operator Qualification plan criteria and methods used to qualify personnel to perform locates? **Notes – They review the contractors OQ plan criteria annually.**	X			
106.		Review operator locating and excavation <u>procedures</u> for compliance with state law and regulations.	X			
107.		Are locates are being made within the timeframes required by state law and regulations? Examine record sample. ****Notes – Looked at ticket tracking report ***	X			
108.		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			
109.		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? ****Notes – None noted for this inspection time frame***			X	

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110.		Informational purposes only. Not Required. Does the pipeline operator voluntarily submit pipeline damage statistics into the UTC Damage Information Reporting Tool (DIRT)? Operator may register at https://identity.damagereporting.org/cgareg/control/login.do Y N X	X			

Comments:

111.		Emergency Response Plans	S	U	N/A	N/C
112.	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			
113.	192.615(b)(1)	Location Specific Emergency Plan ***Notes - in GOS 2425.2300 ***	X			
114.	192.615(b)(2)	Emergency Procedure training, verify effectiveness of training **Notes - looked at practical broken services scenario that is a quantitative test**	X			
115.	192.615(b)(3)	Employee Emergency activity review, determine if procedures were followed. ***Notes QA&I for HP reviews and there is a emergency report form. There is a form that is used called Form 1284. I asked Darryl for several samples and looked at them.***	X			
116.	192.615(c)	Liaison Program with Public Officials	X			
117.	192.616	Public Awareness Program				
118.	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			
119.		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.				
120.		API RP 1162 Baseline* Recommended Message Deliveries				

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121.		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				
		122.					
123.	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				
124.	.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				
125.	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.	X				
126.	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) *** Notes – 480-93-200(6) Soon Dye sends in and I checked with Marina. ***	X				

Comments:

127.	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)	X			
128.	480-93-015(1)	Odorization of Gas – Concentrations adequate	X			
129.	480-93-015(2)	Monthly Odorant Sniff Testing ***Notes – from 04/2010 to present***	X			

**Utilities and Transportation Commission
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130.	480-93-015(3)	Prompt action taken to investigate and remediate odorant concentrations not meeting the minimum requirements ***Note – All tests met the requirements. Checked investigation procedure***				X									
131.	480-93-015(4)	Odorant Testing Equipment Calibration/Intervals (Annually or Manufacturers Recommendation) ***Notes – Looked at 2010 and 2011***	X												
132.	480-93-124(3)	Pipeline markers attached to bridges or other spans inspected? 1/yr(15 months)	X												
133.	480-93-124(4)	Markers reported missing or damaged replaced within 45 days?	X												
134.	480-93-140(2)	Service regulators and associated safety devices tested during initial turn-on	X												
135.	480-93-155(1)	Up-rating of system MAOP to >60 psig? Procedures and specifications submitted 45 days prior? ***Note – Union Hill was submitted***	X												
136.	480-93-185(1)	Reported gas leaks promptly investigated? Graded in accordance with 480-93-186? Records retained?	X												
137.	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												
138.	480-93-185(3)(b)	Leaks originating from a foreign source reported promptly/notification by mail. Records retained?	X												
139.	480-93-186(3)	Leak evaluations: Are follow-up inspections performed within 30 days of a leak repair? ***Notes Looked at numerous leaks – see xls attachment for detailed list***	X												
140.	480-93-186(4)	Leak evaluations: Grade 1 and 2 leaks (if any), downgraded once to a grade 3 without physical repair? ***Notes Looked at numerous leaks – see xls attachment for detailed list***	X												
141.	480-93-187	Gas leak records: at a minimum include required information listed under 480-93-187(1-13) ***Notes Looked at numerous leaks – see xls attachment for detailed list***	X												
142.	480-93-188(1)	Gas leak surveys ***Notes - checked numerous business and non-business district leak survey records. See associated spreadsheet for the selection set.***	X												
143.	480-93-188(2)	Gas detection instruments tested for accuracy/intervals (Mfct recommended or monthly not to exceed 45 days) ***Notes - Spot check 1500916009 CGI– Checked for Dec to match leak survey 700200 CGI – Checked OK 7/19/2010 for a 7/27/2010 survey 1210 FI – Checked OK 7/19/2010 for a 7/27/2010 survey 1500916007 FI 4/18/2011 for a 4/21/2011 survey Jim Brown 507354 CGI 4/18/2011 for a 4/21/2011 survey Jim Brown 1500922009 FI 4/11/2011 for a 4/12/2011 survey Lance Claytor 1500709008 FI 8/1/2011 for a 08/01/2011 survey George Cortez***	X												
144.	480-93-188(3)	Leak survey frequency (Refer to Table Below)	X												
<table border="1"> <tr> <td>Business Districts (implement by 6/02/07)</td> <td>1/yr (15 onths)</td> </tr> <tr> <td>High Occupancy Structures</td> <td>1/yr (15 months)</td> </tr> <tr> <td>Pipelines Operating \geq 250 psig</td> <td>1/yr (15 months)</td> </tr> <tr> <td>Other Mains: CI, WI, copper, unprotected steel</td> <td>2/yr (7.5 months)</td> </tr> </table>								Business Districts (implement by 6/02/07)	1/yr (15 onths)	High Occupancy Structures	1/yr (15 months)	Pipelines Operating \geq 250 psig	1/yr (15 months)	Other Mains: CI, WI, copper, unprotected steel	2/yr (7.5 months)
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High Occupancy Structures	1/yr (15 months)														
Pipelines Operating \geq 250 psig	1/yr (15 months)														
Other Mains: CI, WI, copper, unprotected steel	2/yr (7.5 months)														
145.	480-93-188(4)(a)	Special leak surveys - Prior to paving or resurfacing, following street alterations or repairs ***Notes – None**				X									
146.	480-93-188(4)(b)	Special leak surveys - areas where substructure construction occurs adjacent to underground gas facilities, and damage could have occurred ***Notes – None**				X									
147.	480-93-188(4)(c)	Special leak surveys - Unstable soil areas where active gas lines could be affected ***Notes – None**				X									

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148.	480-93-188(4)(d)	Special leak surveys - areas and at times of unusual activity, such as earthquake, floods, and explosions. ***Notes - PSE SE 112th Place OP Map 204.086 Special survey where reason to believe a ground fault electrical condition may have affected the pipeline. Another one was performed 208.086 plat 209.087 on 6/23/2010. Another op map 200.080 plat 200.084 near Bellevue 123rd Ave Se and 65th. 4/7/2010.*** ***Notes – Resident smells gas. Complaint eventually found a problem at the tie-in after performing a special leak survey. Plat 191.085. 4/13/2010. *** ***Apartment fire at 14820 NE 180th. Gas not involved but media so special leak survey performed. 182.088 plat*** **Plat 179.91 and 92 180.91 and 92 another electrical contact leak survey. Electrical fault. 2/6/2012. Follow-up later the week after.**	X															
149.	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 ****Notes the form was changed to include point to the main tie-in****	X															
150.	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															
151.	480-93-188(6)	Leak program - Self Audits **Notes - 2009 it was done and it will be done in 2012**	X															
152.	192.709	Patrolling (Transmission Lines) (Refer to Table Below) .705				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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4	4/yr (4½ months)	4/yr (4½ months)																
153.	192.709	Leak Surveys (Transmission Lines) (Refer to Table Below) .706				X												
<table border="1"> <thead> <tr> <th>Class Location</th> <th>Required</th> <th>Not Exceed</th> </tr> </thead> <tbody> <tr> <td>1 and 2</td> <td>1/yr</td> <td>15 months</td> </tr> <tr> <td>3</td> <td>2/yr</td> <td>7½ months</td> </tr> <tr> <td>4</td> <td>4/yr</td> <td>4½ months</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																
3	2/yr	7½ months																
4	4/yr	4½ months																
154.	192.603(b)	Patrolling Business District (4 per yr/4½ months) .721(b)(1)*** The operator checks for anticipated movement as part of their slide and bridge patrol***	X															
155.	192.603(b)	Patrolling Outside Business District (2 per yr/7½ months) 192.721(b)(2) *** The operator checks for anticipated movement as part of their slide and bridge patrol*** ****Notes – I have these and reviewed all records in a spreadsheet. ***	X															
156.	192.603(b)	Leakage Survey - Outside Business District (5 years) 192.723(b)(1) *** Note operator does every three years.**	X															
157.	192.603(b)	Leakage Survey 192.723(b)(2) <ul style="list-style-type: none"> • Outside Business District (5 years) • Cathodically unprotected distribution lines (3 years) **Notes – Checked a list outside the business districts. In field archive folder.**	X															
158.	192.603(b)	Tests for Reinstating Service Lines 192.725	X															
159.	192.603(b)/.727(g)	Abandoned Pipelines; Underwater Facility Reports 192.727 **Notes – None**			X													
160.	192.709	Pressure Limiting and Regulating Stations (1 per yr/15 months) .739 **Notes – I checked them all at the Tacoma office.. The selection was in my data request.**	X															
161.	192.709	Pressure Limiting and Regulator Stations – Capacity (1 per yr/15 months) ** I reviewed the annual capacity review calculations for the stations. They do not use the full relief method due to lost gas and other issues. .743	X															
162.	192.709	Valve Maintenance – Transmission (1 per yr/15 months) .745 ***Notes – LV will pick up in trans insp**				X												

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163.	192.709	Valve Maintenance – Distribution (1 per yr/15 months) .747	X			
164.	480-93-100(3)	Service valve maintenance (1 per yr/15 months) ***Low mobility and HOS Found Looked at over 4000 records found 0 occurrences.***	X			
165.	192.709	Vault maintenance (≥200 cubic feet)(1 per yr/15 months) .749 ***Notes –None per Darryl***			X	
166.	192. 603(b)	Prevention of Accidental Ignition (hot work permits) .751 ***Notes- No permits per Toni***			X	
167.	192. 603(b)	Welding – Procedure 192.225(b) ***Notes - Derek Koo brought them in and I looked at several selected **	X			
168.	192. 603(b)	Welding – Welder Qualification 192.227/.229 ***Notes - I checked OQ records for several construction jobs and an HP job in Kenmore)	X			
169.	192. 603(b)	NDT – NDT Personnel Qualification .243(b)(2) ***Notes – LV will pick up in trans insp if needed**				X
170.	192.709	NDT Records (pipeline life) .243(f) ***Notes – LV will pick up in 2012 transmission inspection if needed**				X
171.	192.709	Repair: pipe (pipeline life); Other than pipe (5 years) ***Notes – LV will pick up in trans insp if needed**				X
172.	192.905(c)	Periodically examining their transmission line routes for the appearance of newly identified area's (HCA's) ***Notes – LV will pick up in trans insp if needed**				X

Comments:

CORROSION CONTROL RECORDS			S	U	N/A	N/C
173.	192.455(a)(1)	Pipeline coatings meet requirements of 192.461 (for buried pipelines installed after 7/31/71)	X			
174.	192.455(a)(2)	CP system installed on and operating within 1 yr of completion of pipeline construction (after 7/31/71) ***Notes –Checked Kenmore construction***	X			
175.	192.465(a)	Annual Pipe-to-soil Monitoring (1 per yr/15 months) for short sections (10% per year; all in 10 years) ***Notes – I looked at as PSE calls them the nine year reads and fielded several as well. All checked out OK ****	X			
176.	192.491	Test Lead Maintenance .471	X			
177.	192.491	Maps or Records .491(a)	X			
178.	192.491	Examination of Buried Pipe when exposed .459	X			
179.	480-93-110(8)	CP test reading on all exposed facilities where coating has been removed	X			
180.	192.491	Annual Pipe-to-soil monitoring (1 per yr/15 months) .465(a)	X			
181.	192.491	Rectifier Monitoring (6 per yr/2½ months) .465(b)	X			
182.	192.491	Interference Bond Monitoring – Critical (6 per yr/2½ months) .465(c) ***Notes – None**			X	
183.	192.491	Interference Bond Monitoring – Non-critical (1 per yr/15 months) .465(c)***Notes – None***			X	
184.	480-93-110(2)	Remedial action taken within 90 days (Up to 30 additional days if other circumstances. Must document) .465(d) ***Notes – a couple of services exceeded the 90 days, and Darryl provided documentation***	X			
185.	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			

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CORROSION CONTROL RECORDS			S	U	N/A	N/C
186.	192.491	Unprotected Pipeline Surveys, CP active corrosion areas (1 per 3 cal yr/39 months) .465(e) ***Notes – Looked at Snohomish as well***	X			
187.	192.491	Electrical Isolation (Including Casings) .467	X			
188.	480-93-110(5)	Casings inspected/tested annually not to exceed fifteen months	X			
189.	480-93-110(5)(a)	Casings w/no test leads installed prior to 9/05/1992. Demonstrate other acceptable test methods ***Notes – None**			X	
190.	480-93-110(5)(b)	Possible shorted conditions – Perform confirmatory follow-up inspection within 90 days	X			
191.	480-93-110(5)(c)	Casing shorts cleared when practical	X			
192.	480-93-110(5)(d)	Shorted conditions leak surveyed within 90 days of discovery. Twice annually/7.5 months	X			
193.	192.491	Interference Currents .473 ***Notes – None per Debbie***			X	
194.	192.491	Internal Corrosion; Corrosive Gas Investigation .475(a)***Notes Soon Dye will check for Cedar Hills for IMP she checked***			X	
195.	192.491	Internal Corrosion; Internal Surface Inspection; Pipe Replacement .475(b)	X			
196.	192.491	Internal Corrosion Control Coupon Monitoring (2 per yr/7½ months) .477 ***Notes – None in this unit***			X	
197.	192.491	Atmospheric Corrosion Control Monitoring (1 per 3 cal yr/39 months onshore; 1 per yr/15 months offshore) .481	X			
198.	192.491	Remedial: Replaced or Repaired Pipe; coated and protected; corrosion evaluation and actions .483/.485	X			

Comments:

PIPELINE INSPECTION (Field)			S	U	N/A	N/C
199.	192.161	Supports and anchors	X			
200.	480-93-080(1)(d)	Welding procedures located on site where welding is performed?	X			
201.	480-93-080(1)(b)	Use of testing equipment to record and document essential variables	X			
202.	480-93-080(2)(a)	Plastic procedures located on site where welding is performed?	X			
203.	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			
204.	480-93-013	Personnel performing “New Construction” covered tasks OQ qualified?	X			
205.	480-93-015(1)	Odorization	X			
206.	480-93-018(3)	Updated records, inc maps and drawings made available to appropriate operations personnel?	X			
207.	192.179	Valve Protection from Tampering or Damage	X			
208.	192.455	Pipeline coatings meet requirements of 192.461 (for buried pipelines installed after 7/31/71)	X			
209.	192.463	Levels of cathodic protection	X			
210.	192.465	Rectifiers	X			
211.	192.467	CP - Electrical Isolation	X			
212.	192.476	Systems designed to reduce internal corrosion	X			
213.	192.479	Pipeline Components exposed to the atmosphere	X			

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PIPELINE INSPECTION (Field)			S	U	N/A	N/C
214.	192.481	Atmospheric Corrosion: monitoring	X			
215.	192.491	Test Stations – Sufficient Number .469	X			
216.	480-93-115(2)	Casings – Test Leads (casings w/o vents installed after 9/05/1992) **Notes – None found**			X	
217.	480-93-115(2)	Mains or transmission lines installed in casings/conduit. Are casing ends sealed? **Notes – None inspected during field portion**	X			
218.	480-93-115(4)	Service lines installed in casings/conduit. Are casing ends nearest to building walls sealed? **Notes – None inspected during field portion**	X			
219.	192.605(a)	Appropriate parts of manuals kept at locations where O&M activities are conducted	X			
220.	192.605	Knowledge of Operating Personnel	X			
221.	480-93-124	Pipeline markers	X			
222.	480-93-124(4)	Markers reported missing or damaged replaced within 45 days?	X			
223.	192.719	Pre-pressure Tested Pipe (Markings and Inventory)	X			
224.	192.195	Overpressure protection designed and installed where required?	X			
225.	192.739/743	Pressure Limiting and Regulating Devices (Mechanical/Capacities)	X			
226.	192.741	Telemetry, Recording Gauges	X			
227.	192.751	Warning Signs	X			
228.	192.355	Customer meters and regulators. Protection from damage	X			
229.	192.355(c)	Pits and vaults: Able to support vehicular traffic where anticipated.	X			
230.	480-93-140	Service regulators installed, operated and maintained per state/fed regs and manufacturers recommended practices?	X			
231.	480-93-178(2)	Plastic Pipe Storage facilities – Maximum Exposure to Ultraviolet Light (2yrs)	X			
232.	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.	X			
233.	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			
234.	480-93-178(6)	Are there Temporary above ground PE pipe installations currently? Yes No X				
235.	480-93-178(6)(a)	If yes, is facility monitored and protected from potential damage? **Notes – none**			X	
236.	480-93-178(6)(b)	If installation exceeded 30 days, was commission staff notified prior to exceeding the deadline? **Notes – none**			X	
237.	192.745	Valve Maintenance (Transmission) **Notes – LV will inspect in the transmission portion**			X	
238.	192.747	Valve Maintenance (Distribution)	X			

Facility Sites Visited:

Facility Type	Facility ID Number	Location
I used the optional field data collection form for this portion		

Comments:

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

<u>Number</u>	<u>Date</u>	<u>Subject</u>
ADB-09-01	May 21, 2009	Potential Low and Variable Yield and Tensile Strength and Chemical Composition Properties in High Strength Line Pipe
ADB-09-02	Sept 30, 2009	Weldable Compression Coupling Installation
ADB-09-03	Dec 7, 2009	Operator Qualification Program Modifications
ADB-09-04	Jan 14, 2010	Reporting Drug and Alcohol Test Results for Contractors and Multiple Operator Identification Numbers
ADB-10-02	Feb 3, 2010	Implementation of Revised Incident/Accident Report Forms for Distribution Systems, Gas Transmission and Gathering Systems, and Hazardous Liquid Systems
ADB-10-03	March 24, 2010	Girth Weld Quality Issues Due to Improper Transitioning, Misalignment, and Welding Practices of Large Diameter Line Pipe
ADB-10-04	April 29, 2010	Pipeline Safety: Implementation of Electronic Filing for Recently Revised Incident/Accident Report Forms for Distribution Systems, Gas Transmission and Gathering Systems, and Hazardous Liquid Systems
ADB-10-05	June 28, 2010	Pipeline Safety: Updating Facility Response Plans in Light of Deepwater Horizon Oil Spill
ADB-10-06	August 3, 2010	Pipeline Safety: Personal Electronic Device Related Distractions
ADB-10-07	August 31, 2010	Liquefied Natural Gas Facilities: Obtaining Approval of Alternative Vapor-Gas Dispersion Models
ADB-10-08	November 3, 2010	Pipeline Safety: Emergency Preparedness Communications
ADB-11-01	January 4, 2011	Pipeline Safety: Establishing Maximum Allowable Operating Pressure or Maximum Operating Pressure Using Record Evidence, and Integrity Management Risk Identification, Assessment, Prevention, and Mitigation
ADB-11-02	February 9, 2011	Dangers of Abnormal Snow and Ice Build-up on Gas Distribution Systems

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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239. .605(b)		COMPRESSOR STATION PROCEDURES	S	U	N/A	N/C
240.		.605(b)(6) Maintenance procedures, including provisions for isolating units or sections of pipe and for purging before returning to service			X	
241.		.605(b)(7) Starting, operating, and shutdown procedures for gas compressor units			X	
242.		.731 Inspection and testing procedures for remote control shutdowns and pressure relieving devices (1 per yr/15 months), prompt repair or replacement			X	
243.		.735 (a) Storage of excess flammable or combustible materials at a safe distance from the compressor buildings			X	
244.		(b) Tank must be protected according to NFPA #30			X	
245.		.736 Compressor buildings in a compressor station must have fixed gas detection and alarm systems (must be performance tested), unless:			X	
246.		• 50% of the upright side areas are permanently open, or			X	
247.		• It is an unattended field compressor station of 1000 hp or less			X	

Comments:

COMPRESSOR STATION O&M PERFORMANCE AND RECORDS			S	U	N/A	N/C
248.	.709	.731(a) Compressor Station Relief Devices (1 per yr/15 months)			X	
249.		.731(c) Compressor Station Emergency Shutdown (1 per yr/15 months)			X	
250.		.736(c) Compressor Stations – Detection and Alarms (Performance Test)			X	

Comments:

COMPRESSOR STATIONS INSPECTION (Field)			S	U	N/A	N/C
(Note: Facilities may be “Grandfathered”)						
251.	.163	(c) Main operating floor must have (at least) two (2) separate and unobstructed exits			X	
252.		Door latch must open from inside without a key			X	
253.		Doors must swing outward			X	
254.		(d) Each fence around a compressor station must have (at least) 2 gates or other facilities for emergency exit			X	
255.		Each gate located within 200 ft of any compressor plant building must open outward			X	
256.		When occupied, the door must be opened from the inside without a key			X	
257.		(e) Does the equipment and wiring within compressor stations conform to the National Electric Code, ANSI/NFPA 70?			X	
258.	.165	(a) If applicable, are there liquid separator(s) on the intake to the compressors?			X	
259.		(b) Do the liquid separators have a manual means of removing liquids?			X	

Attachment 1

Distribution Operator Compressor Station Inspection

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COMPRESSOR STATIONS INSPECTION (Field)			S	U	N/A	N/C
(Note: Facilities may be “Grandfathered”)						
260.		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	
261.	.167 (a)	ESD system must:				
262.		- Discharge blowdown gas to a safe location			X	
263.		- Block and blow down the gas in the station			X	
264.		- Shut down gas compressing equipment, gas fires, electrical facilities in compressor building and near gas headers			X	
265.		- Maintain necessary electrical circuits for emergency lighting and circuits needed to protect equipment from damage			X	
266.		ESD system must be operable from at least two locations, each of which is:				
267.	.167	- Outside the gas area of the station			X	
268.		- Not more than 500 feet from the limits of the station			X	
269.		- ESD switches near emergency exits?			X	
270.	(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	
271.	(c)	Are ESDs on platforms designed to actuate automatically by...				
272.		- For unattended compressor stations, when:				
273.		▪ The gas pressure equals MAOP plus 15%?			X	
274.		▪ An uncontrolled fire occurs on the platform?			X	
275.		- For compressor station in a building, when				
276.		▪ An uncontrolled fire occurs in the building?			X	
277.		▪ 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	
278.	.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	
279.	(b)	Do the compressor station prime movers (other than electrical movers) have over-speed shutdown?			X	
280.	(c)	Do the compressor units alarm or shutdown in the event of inadequate cooling or lubrication of the unit(s)?			X	
281.	(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	
282.	(e)	Are the mufflers equipped with vents to vent any trapped gas?			X	
283.	.173	Is each compressor station building adequately ventilated?			X	
284.	.457	Is all buried piping cathodically protected?			X	
285.	.481	Atmospheric corrosion of aboveground facilities			X	
286.	.603	Does the operator have procedures for the start-up and shut-down of the station and/or compressor units?			X	
287.		Are facility maps current/up-to-date?			X	
288.	.615	Emergency Plan for the station on site?			X	
289.	.619	Review pressure recording charts and/or SCADA			X	
290.	.707	Markers			X	
291.	.731	Overpressure protection – relief’s or shutdowns			X	
292.	.735	Are combustible materials in quantities exceeding normal daily usage, stored a safe distance from the compressor building?			X	

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
 If an item is marked U, N/A, or N/C, an explanation must be included in this report.

COMPRESSOR STATIONS INSPECTION (Field)			S	U	N/A	N/C
(Note: Facilities may be “Grandfathered”)						
293.		Is aboveground oil or gasoline storage tanks protected in accordance with NFPA standard No. 30?			X	
294.	.736	Gas detection – location			X	

Comments:
Notes - Question 239- 294 No compressor stations in this unit.