

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	Insp ID 2619		
Inspector Name & Submit Date	David Cullom 6/12/2012		
Chief Eng Name & Review/Date	D. Lykken 6/15/2012		
Operator Information			
Name of Operator:	Puget Sound Energy	OP ID #:	22189
Name of Unit(s):	Snohomish		
Records Location:	Bellevue and North Seattle		
Date(s) of Last (unit) Inspection:	May 27 – July 2, 2010	Inspection Date(s):	April 24-27, May 8-10, and May 17th 2012

<p>Inspection Summary:</p> <p>A standard inspection was conducted of PSE's Snohomish County pipeline system. Records were reviewed at the Bellevue and Shoreline offices. The field visit included an inspection of pressure regulating stations, cathodic protection facilities, and isolated services. Damage Prevention and leak program review was done the last day. Hard to reach locations were provided for Everett and reviewed. There were two probable violations for missing mapping updates and not leak surveying several business districts within the required time frame.</p>

<p>HQ Address: 355 110th Ave. NE Bellevue, WA 98004</p>	<p>System/Unit Name & Address: Snohomish County (Records at HQ, Shoreline, and Tacoma office)</p>
<p>Co. Official: Sue McLain Phone No.: (425) 462-3696 Fax No.: (425) 462-3770 Emergency Phone No.: (800) 552-7171</p>	<p>Phone No.: (425) 462-3207 Fax No.: (425) 462-3770 Emergency Phone No.: (800) 552-7171 (425) 462-3207</p>

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
Stephanie Kreshel	Engineer	425-462-3734
Nancy Wong	Assoc Engineer Gas System Integrity	425-457-5415
Duane Henderson	Manager Gas System Integrity	425-462-3974

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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:	12/8/2010

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GAS SYSTEM OPERATIONS			
Gas Supplier		Williams – Northwest Pipeline	
Services: <i>Residential ~110000 Commercial Industrial ~1136 Other</i>			
Number of reportable safety related conditions last year		0	
Number of <u>non-reportable</u> safety related conditions last year within Snohomish County		- 0	
Miles of transmission pipeline within unit (total miles and miles in class 3 & 4 areas)		~ 1.5	
Miles of main within inspection unit (total miles and miles in class 3 & 4 areas)		1923 – Not separated	
Operating Pressure(s):		MAOP (Within last year)	Actual Operating Pressure (At time of Inspection)
Feeder:	It varies because of the nature of different subsystems that are involved in a LDC, but for example RS-2666 has a feeder pressure flow point of 294 psig and a LU of 302.	LDC MAOPs are typically 45 or 60psig	39-40 and 56-57 is the flow set point.
Town:	Various	Various	Various
Other:	Various	Various	Various
Does the operator have any transmission pipelines?		Yes – To be addressed in the transmission audit performed by Lex Vinsel.	
Compressor stations? Use Attachment 1.		No	

Pipe Specifications:			
Year Installed (Range)	1956 to 2012	Pipe Diameters (Range)	½-inch -16 inches
Material Type	PE, Steel wrap, bare steel	Line Pipe Specification Used	API 5L, ASTM D2513
Mileage	1923	SMYS %	20.8% (Greenwood Line- Part of Transmission Inspection Unit – The rest are below 20% SMYS)

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 May 8-10 (This form has been uploaded - DC)

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.	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 opsgis@rspa.dot.gov stating that fact.</u> Include operator contact information with all updates. ***Notes – This will be addressed in the transmission 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 – Planning does the calculation with a Synergy model per Soon Dye. None for this unit in 2011 ***	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. <u>Yes, per Toni Imad</u>	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 <u>Yes, per Toni Imad</u>	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 **Notes – In 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; ***Notes – None***			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; ***Notes – 5 ***	X			
18.	480-93-200(1)(d)	The unintentional ignition of gas; ***Notes – Everett submitted ***	X			
19.	480-93-200(1)(e)	The unscheduled interruption of service furnished by any operator to twenty five or more distribution customers; ***Notes – 2 one in Everett and one in Lynnwood**	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; ***Notes – None***			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; ***Notes – None per the operator. Would need to verify in the PSDB, but PSE has been good about the classification of reportable items.***			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; ***Notes – 2**	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 ***Notes – None***			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;	X			
46.	480-93-200(7)(b)(ii)	Number of third-party damages incurred; and	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; (B) Failure to use reasonable care; (C) Excavated prior to a locate being conducted; or (D) Other.	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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51.	480-93-200(10)	Submitting copy of DOT Drug and Alcohol Testing MIS Data Collection Form when required	X			

Comments:

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 for East King County audit and they use the same welding procedures across the company.***	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 ***Notes – They re-qualify the joiners rather than track production joints.***			X	
61.	480-93-080(2)(c)	Tracking Production Joints or Re-qualify joiners 1/Yr (12Months) ***Notes – They don't track production joints They re-qualify annually***	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 – To be checked during the transmission audit****				X
67.	192.243(c)	NDT procedures ****Notes – To be checked during the transmission audit****				X
68.	192.243(f)	Total Number of Girth Welds ****Notes – To be checked during the transmission audit****				X

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CONSTRUCTION RECORDS			S	U	N/A	N/C
69.	192.243(f)	Number of Welds Inspected by NDT****Notes – To be checked during the transmission audit****				X
70.	192.243(f)	Number of Welds Rejected****Notes – To be checked during the transmission audit****				X
71.	192.243(f)	Disposition of each Weld Rejected ****Notes – To be checked during the transmission audit****				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 job 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 – To be checked during the transmission audit****				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 – To be checked during the transmission audit****				X
78.	480-93-160(2)(a)	Description and purpose of the proposed pipeline; ****Notes – To be checked during the transmission audit****				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 – To be checked during the transmission audit****				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				X
81.	480-93-160(2)(d)	MAOP for the gas pipeline being constructed; ****Notes – To be checked during the transmission audit****				X
82.	480-93-160(2)(e)	Location and construction details of all river crossings or other unusual construction requirements encountered en route. ****Notes – To be checked during the transmission audit****				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 – To be checked during the transmission audit****				X
84.	480-93-160(2)(g)	Welding specifications; and****Notes – To be checked during the transmission audit****				X
85.	480-93-160(2)(h)	Bending procedures to be followed if needed. ****Notes – To be checked during the transmission audit****				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 – To be checked during the transmission audit****				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) ***Notes – Darryl provided for operators that will be performed covered tasks on selected construction jobs Looked at 107039677 – Gary Dmochowsky Checked Maps and Pressure Quals, 08/05/2010 Checked CTS for the <>100psig issue and it was OK. ****	X			
90.	480-93-175(2)	Study prepared and approved prior to moving and lowering of metallic pipelines > 60 psig **Notes – None They have a procedure for it, but it was not needed to be done this inspection cycle.***			X	

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CONSTRUCTION RECORDS			S	U	N/A	N/C
91.	480-93-175(4)	Leak survey within 30 days of moving or lowering pipelines ≤ 60 psig **Notes – None***			X	

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	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 ***Notes – Updated manual as of March 2012***	X			
95.	192.605(b)(3)	Availability of construction records, maps, operating history to operating personnel	X			
96.	480-93-018(5)	Records, including maps and drawings updated within 6 months of completion of construction activity? ***Notes – Checked multiple maps and records. Noted a Probable Violation for missing map changes that were redlined during the leak survey and not noted on the cover sheet by the person adding the changes.***	■	X	■	■
97.	192.605(b)(8)	Periodic review of personnel work – effectiveness of normal O&M procedures ***Notes – QANI reviews***	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 – This is handled as part of the transmission audit***			X	
100.	192.611	Confirmation or revision of MAOP ***Notes - No pipelines in this unit over 40% SMYS so no study required 192.609 – This is handled as part of the transmission audit***			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. One inspector is assigned to locates and get a random batch to review. They have a routine audit called Utility Locating.***	X			
103.	192.614	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. The contract stipulates metrics. Locating Inc. is actually providing incentive bonuses for good performance.**	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, retraining, etc, up to termination***	X			
105.		Does the operator periodically review the Operator Qualification plan criteria and methods used to qualify personnel to perform locates? ***Notes - PSE reviews the contract and OQ plan annually. ***PSE does review USIC and Locating Incs plan to ensure it is compliant with their plan.***	X			

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OPERATIONS and MAINTENANCE RECORDS			S	U	N/A	N/C
106.		Review operator locating and excavation <u>procedures</u> for compliance with state law and regulations. ***Notes **Notes – Checked 2425.1600** Sections 6 and 7--	X			
107.		Are locates are being made within the timeframes required by state law and regulations? Examine record sample. ***Notes - 13,049 locates were completed within the 2 business timeframe 98.9% of the time as provided by the contractor. Rick Elkin reviews the data and has monthly meetings.***	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 – In another unit (Gig Harbor) a PSE employee made an excavator unearth the pipe after construction because they did not wait until the PSE employee was there to witness excavation.***	X			
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 ***Notes – No, but they are working very hard on it.***	X			

Comments:

Emergency Response Plans			S	U	N/A	N/C
111.						
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 ***Notes - Looked 2010 and 2011 records***	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 for East King County a month ago in a previous audit this inspection period**	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. during East King County***	X			
116.	192.615(c)	Liaison Program with Public Officials ***Notes – There are CRMs (Community Relations Managers) There are meetings with planners and permitting departments. Dennis Smedsrud has emergency training for FR’s, but does include public officials GOS 2425.2300 2.4 and 2.5***)	X			
117.	192.616	Public Awareness Program				

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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																														
121.		<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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122.		* Refer to API RP 1162 for additional requirements, including general program recommendations, supplemental requirements, recordkeeping, program evaluation, etc.																														
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.***Notes _ They used the American Community Survey. On 9/2011, they determined that English is the predominant language, but it appears the Spanish speaking customers are on the rise. They have launched ads in several languages, but 80% is still English. These messages are in trifold displays at fairs and they try to also launch 811 ads in multiple languages. They do radio ads on KDDS FM which is a Spanish station.***	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. For operators in existence on June 20, 2005, 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) ***Notes – They are constantly surveying every couple of years for effectiveness. That is how they figured out 811 is not well known. The Spirit Ridge investigation served as the baseline and they did a effectiveness review in 2009. The FR’s and consumers are asked to use Survey Monkey, an online survey, there is AWC and APWA meetings they use to make a roster. In Feb 2012, they added some gas safety awareness to find gaps in awareness. They will resurvey in a year or two to re-evaluate effectiveness.***	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. ***Notes- Does not apply***			X																											

Utilities and Transportation Commission
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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				
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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 – Checked from 04/2010 to present***	X				
130.	480-93-015(3)	Prompt action taken to investigate and remediate odorant concentrations not meeting the minimum requirements ***Note – All met the requirements. Checked investigation procedure in Thurston/Lewis so it's OK.***			X		
131.	480-93-015(4)	Odorant Testing Equipment Calibration/Intervals (Annually or Manufacturers Recommendation) ***Notes – Looked at 2010 and 2011 and some 2012 unit calibrations ***	X				
132.	480-93-124(3)	Pipeline markers attached to bridges or other spans inspected? 1/yr(15 months) ***Notes - I looked at 1560 records – All appeared to be OK***	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? ***Notes – No uprates in this unit that the Toni is aware of***	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				

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139.	480-93-186(3)	Leak evaluations: Are follow-up inspections performed within 30 days of a leak repair? ***Notes – Looked at the leaks in the attached Excel spreadsheet. No issues during this inspection cycle.***	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 the leaks in the attached Excel spreadsheet. No issues during this inspection cycle.***	X			
141.	480-93-187	Gas leak records: at a minimum include required information listed under 480-93-187(1-13) ***Notes – Looked at the leaks in the attached Excel spreadsheet. No issues noted.***	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.*** ****Notes - Checked ATMS H2RL records for Everett 2011 and 2010****	X			
143.	480-93-188(2)	Gas detection instruments tested for accuracy/intervals (Mfct recommended or monthly not to exceed 45 days) ***Notes - 14727 Pilchuck Gas Scope checked for 2010 3564 IFS scope checked for 7/19/11 accuracy checked 07/14/11 15765 Pilchuck Gas Scope Apr 2012 – Apr 2012 14355 IFS checked April 21,11 for a May Leak Ticket****	X			
144.	480-93-188(3)	Leak survey frequency (Refer to Table Below) See spreadsheet ***Notes – See detail in attached (in the I drive) MS Word document.		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)

145.	480-93-188(4)(a)	Special leak surveys - Prior to paving or resurfacing, following street alterations or repairs ***Notes – None per Gary Swanson***			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 – There was a special request to add a Williams tie in scheduled leak inspection***	X			
147.	480-93-188(4)(c)	Special leak surveys - Unstable soil areas where active gas lines could be affected ****Notes – None per Gary****			X	
148.	480-93-188(4)(d)	Special leak surveys - areas and at times of unusual activity, such as earthquake, floods, and explosions. ***Notes –Electrical Contract – lightning strike**	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 damage point to the main tie-in*** ***Notes – There was a main break leak survey plat 147073 11/30/2011 – one leak found during the special survey.***	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 June 2012**	X			
152.	192.709	Patrolling (Transmission Lines) (Refer to Table Below) .705 ****Notes – To be checked during the transmission audit****				X

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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153.	192.709	Leak Surveys (Transmission Lines) (Refer to Table Below) .706 *****Notes – To be checked during the transmission audit*****					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					
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4	4/yr	4½ months																	
154.	192.603(b)	Patrolling Business District (4 per yr/4½ months) .721(b)(1)***Notes- The operator checks for anticipated movement as part of their slide and bridge patrol 54 bridge sites in Snohomish and 4 slide patrols***	X																
155.	192.603(b)	Patrolling Outside Business District (2 per yr/7½ months) 192.721(b)(2))*** Notes- 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. See the Word Doc in the I drive 2012 Snohomish folder for detail*****	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 Shoreline office.. The selection set is in my data request sheet that can be found in the inspection folder.**	X																
161.	192.709	Pressure Limiting and Regulator Stations – Capacity (1 per yr/15 months) ***Notes - I re viewed 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 – Will be addressed in the transmission inspection.*****					X												
163.	192.709	Valve Maintenance – Distribution (1 per yr/15 months) .747 ***ES Valve records Looked at ~490***	X																
164.	480-93-100(3)	Service valve maintenance (1 per yr/15 months) ***Notes – Looked at over 2000 records from SAP none exceeded the time frame.***	X																
165.	192.709	Vault maintenance (>200 cubic feet)(1 per yr/15 months) .749 ***Notes –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 for East King County. The same welding procedures are used throughout the company**	X																

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168.	192. 603(b)	Welding – Welder Qualification 192.227/.229 ***Notes – Project 893002910 Dave Hamilton Looked at mapping updates and PE OQ records 106238822 Todd Kilty – Checked Mapping and OQ for service install Looked at 892029315 Follow-up on EUF install/updated D-4 108556190 – Looked at Turk Allen for cut and cap 109 Looked at 109062618 Looked HP job where they installed a DR in Everett Looked at qualifications as well.****					X	
169.	192. 603(b)	NDT – NDT Personnel Qualification .243(b)(2)						X
170.	192.709	NDT Records (pipeline life) .243(f)						X
171.	192.709	Repair: pipe (pipeline life); Other than pipe (5 years)						X
172.	192.905(c)	Periodically examining their transmission line routes for the appearance of newly identified area's (HCA's)						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 the HP job in Everett and it was just an extension. I looked at the records for dead weights, chart boxes, and pyrometers for the HP job.***	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

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CORROSION CONTROL RECORDS			S	U	N/A	N/C
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 cases exceeded the 90 days as was the case in East King, 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			
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 as E King with Brenda.***	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 and it covers all units***			X	
195.	192.491	Internal Corrosion; Internal Surface Inspection; Pipe Replacement .475(b) ***Notes – This is done during pipe replacement and is part of the EPRC form***	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? ***Notes – No welding reviewed in the field portion of this inspection***			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? ***Notes – No joining/fuses reviewed in the field portion of this inspection***			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. ***Notes – No joining/fuses reviewed in the field portion of this inspection***			X	
204.	480-93-013	Personnel performing “New Construction” covered tasks OQ qualified? ****Notes – No construction reviewed****			X	
205.	480-93-015(1)	Odorization ****Notes – Checked records – did not check odorant for OQ portion/field portion.***				X
206.	480-93-018(3)	Updated records, inc maps and drawings made available to appropriate operations personnel?	X			

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PIPELINE INSPECTION (Field)			S	U	N/A	N/C
207.	192.179	Valve Protection from Tampering or Damage	X			
208.	192.455	Pipeline coatings meet requirements of 192.461 (<i>for buried pipelines installed after 7/31/71</i>)	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			
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 – Did not observe any casings of this type installed after 9/5/92 during this inspection.***	X			
217.	480-93-115(2)	Mains or transmission lines installed in casings/conduit. Are casing ends sealed?	X			
218.	480-93-115(4)	Service lines installed in casings/conduit. Are casing ends nearest to building walls sealed?	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? *****Notes – Looked but did not observe any missing markers to follow up on during this inspection.***	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) Notes - *****Notes - Checked the storage yard at North Seattle – all looked good****	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. ***Notes – Did not observe any situations of this type during this inspection or in pre-field field work.***	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 ***Notes – Did not observe any situations of this type during this inspection.***	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 – To be picked up in the transmission audit.**				X
238.	192.747	Valve Maintenance (Distribution)	X			

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PIPELINE INSPECTION (Field)			S	U	N/A	N/C
Facility Sites Visited:						
Facility Type	Facility ID Number	Location				
Comments: ***Notes - Please see Form R for field notes****						

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

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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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		COMPRESSOR STATION PROCEDURES	S	U	N/A	N/C
239.	.605(b)					
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:
 Notes – No Compressor Stations

			S	U	N/A	N/C
COMPRESSOR STATION O&M PERFORMANCE AND RECORDS						
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:
 Notes – No Compressor Stations

			S	U	N/A	N/C
COMPRESSOR STATIONS INSPECTION (Field)						
(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

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”)						
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

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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 – No Compressor Stations