

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

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

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	110029		
Inspector Name & Submit Date	Patricia Johnson, 12-19-2011		
Chief Eng Name & Review/Date	Joe Subsits, 12/21/2011		
Operator Information			
Name of Operator:	Puget Sound Energy	OP ID #:	22189
Name of Unit(s):	Pierce County		
Records Location:	Bellevue and Georgetown		
Date(s) of Last (unit) Inspection:	4-7-2008 thru 5/20/2008	Inspection Date(s):	9-2, 9-6 and 9-7, 2011

Inspection Summary:

A natural gas standard inspection was conducted on September 2, 6 and 7, 2011, of Puget Sound Energy's (PSE) Pierce county distribution system. The inspection included a maintenance records review and inspection of the pipeline facilities. One probable violation was found.

HQ Address: PO Box 90868 M/S: EST-07W Bellevue, WA 98009-0868		System/Unit Name & Address: Tacoma Office (Pierce County) 3130 S 38 th Tacoma, WA 98409	
Co. Official:	Sue McLain	Phone No.:	(425) 462-3877
Phone No.:	(425) 462-3696	Fax No.:	(425) 462-3770
Fax No.:	(425) 462-3770	Emergency Phone No.:	(425) 882-4692
Emergency Phone No.:	(425) 882-4692		
Persons Interviewed	Title	Phone No.	
Darryl Hong	Compliance Coordinator	425 462-3911	
Michelle Wildie	Engineer	425 456 2529	
Jim Chartrey	Pressure Control Supr	253 476 6088	
Jery Games	Engineering Assistant	253 476 6224	

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 checked="" type="checkbox"/>	Team inspection was performed (Within the past five years.) or, No PHMSA team inspection, UTC inspection 11-2010	Date:	Nov, 2010
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GAS SYSTEM OPERATIONS

<input checked="" type="checkbox"/>	Other WUTC Inspector reviewed the O & M Manual (Since the last yearly review of the manual by the operator.)	Date:	Nov, 2010
Gas Supplier	Williams		
Services:	System Wide, cannot break down per district <i>Residential 250,000 Commercial Industrial 2637 (includes commercial) Other</i>		
Number of reportable safety related conditions last year	There were no reportable safety related conditions in 2010 in Pierce	Number of deferred leaks in system	2688 Total for all PSE districts at end of 2010
Number of non-reportable safety related conditions last year	None	Number of third party hits last year	824
Miles of transmission pipeline within unit (total miles and miles in class 3 & 4 areas)	None	Miles of main within inspection unit (total miles and miles in class 3 & 4 areas)	2,556
Operating Pressure(s):		MAOP (Within last year)	Actual Operating Pressure (At time of Inspection)
Feeder:	various	various	various
Town:	various	various	various
Other:	various	various	various
Does the operator have any transmission pipelines?	Yes, but not in Pierce		
Compressor stations? Use Attachment 1.	no		

Pipe Specifications:

Year Installed (Range)	1925-2011	Pipe Diameters (Range)	½ - 20 inch
Material Type	WI, copper, STW, Bare steel, HDPE and MDPE	Line Pipe Specification Used	various
Mileage	1839	SMYS %	various

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 7-21-2011. To accommodate schedules, the field OQ testing of Heath employees for the Pierce inspection was conducted prior to the standard inspection.**

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: Part of Hdqs inspection conducted July 26-28,2011. PIERCE County does not have Transmission**

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. Have copy of MIS for 2010- Part of mini inspections conducted July 26-28,2011.	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)	<p>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.</p> <p>NA in Pierce</p>			x	
2.	RCW 81.88.080	<p>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? Last submission 2/22/2011</p>	x			
3.	191.5	<p>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.</p> <p>PSE has process in place, it is an internal procedure, and the new definition is in Gas Operating Standard 2400.1000. They are continuing to improve process</p> <p>Procedure is – call to dispatch, dispatch dispatches broken and blowing, crew lets them know the size of pipe, they do reporting and part of reporting is to system planning who does calculations.</p> <p>Reviewed Soon Dye's email for guidelines for Response Planning Engineer in re: to 191.3 Uncontrolled Gas Release of 3MMCF or more. Reviewed Gas Loss Calculation</p> <p>The PSE crew reporting procedure does not change because they always report broken and blowing gas and the size of the pipe and dispatch will follow up. Only dispatches procedures changed Reviewed Emergency Plan 2425.2300, and Gas Field Procedures 0100.1040</p>	x			
4.	191.7	<p>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.</p> <p>PSE reports Electronically</p>	x			
5.	191.15(a)	<p>30-day follow-up written reports to PHMSA (Form F7100.2) Submittal must be electronically to http://pipelineonlinereporting.phmsa.dot.gov</p> <p>PSE reports Electronically</p>	x			
6.	191.15(c)	<p>Supplemental report (to 30-day follow-up)</p> <p>PSE reports Electronically</p>	x			
7.	191.17	<p>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).</p> <p>No known copper material in Pierce.</p>	x			
8.	191.22	<p>Each operator must obtain an OPID, validate its OPIDs, and notify PHMSA of certain events at https://opsweb.phmsa.dot.gov</p> <p>PSE Distribution is 22189 and unit name, Jackson Prairie is OPID 22189 unit 33875 During the inspection, it was determined that PSE's newly purchased, Sumas Co Gen is also an interstate pipeline and and ID has been requested from PHMSA</p>	x			
9.	191.23	<p>Filing the Safety Related Condition Report (SRCR) 0 for 2010 for Pierce</p>	x			
10.	191.25	<p>Filing the SRCR within 5 days of determination, but not later than 10 days after discovery</p>	x			

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11.	.605(d)	Instructions to enable operation and maintenance personnel to recognize potential Safety Related Conditions Field personnel keep Gas Operating Standard with them (Manual at 2425.1200). Tail Gate meeting and RPE (Response plan and Engineering) and in mock training for emergency procedure training which may include or if escalated could turn into a safety related conditions. Reviewed 2010 scenario test and OQ test for broken service. This is found in emergency procedure training, it is in OQ and employees are given written test on scenario.	x			
12.	191.27	Offshore pipeline condition reports – filed within 60 days after the inspections This is for Gulf of Mexico			x	
13.	192.727(g)	Abandoned facilities offshore, onshore crossing commercially navigable waterways reports PSE does 24 hour shut in test annually. PSE uses a written procedure written in 5-4-1994. Procedure has not been changed. (it has WNG name on it). 2011 procedure will not change but WNG removed from letter head. Reviewed 2011 Done in August because of low flows. Run charts on both line ends. To Vashon line . There is two 8 inch lines from Des Moines to Vashon and one to Murray island; one 6 inch line across island, and two 8' lines to Gig Harbor. This procedure is done by 2 individuals. Each works a 12 hour shift. So 2 12 hour charts are used for each individual who is responsible for one chart. When valves are closed it checked by watching for 5 minutes to ensure no pressure drop or blockage (this on chart and paper-reviewed both. Reviewed Report of Annual Test of underwater Mains Form. For both lines to Vashon from DesMonies and both lines from Vashon to Gig Harbor. Reviewed charts. Also had 2010 and 2009 available to review WNG removed from procedure before the exit interview. New procedure will be in PSE 2012 manual	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; Reporting none in 2010	x			
16.	480-93-200(1)(b)	Damage to property of the operator and others of a combined total exceeding fifty thousand dollars; Reporting none in 2010	x			
17.	480-93-200(1)(c)	The evacuation of a building, or high occupancy structures or areas; Reporting none in 2010	x			
18.	480-93-200(1)(d)	The unintentional ignition of gas; Reporting none in 2010	x			
19.	480-93-200(1)(c)	The unscheduled interruption of service furnished by any operator to twenty five or more distribution customers; Reporting none in 2010	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; One in 2010	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; Reporting none in Pierce for 2010	x			
22.	480-93-200(2)	Telephonic Reports to UTC Pipeline Safety Incident Notification 1-888-321-9146 (Within 24 hours) for;				
23.	480-93-200(2)(a)	The uncontrolled release of gas for more than two hours;	x			
24.	480-93-200(2)(b)	The taking of a high pressure supply or transmission pipeline or a major distribution supply gas pipeline out of service;	x			
25.	480-93-200(2)(c)	A gas pipeline operating at low pressure dropping below the safe operating conditions of attached appliances and gas equipment; or	x			
26.	480-93-200(2)(d)	A gas pipeline pressure exceeding the MAOP	x			
27.	480-93-200(4)	Did written incident reports (within 30 days of telephonic notice) include the following	x			

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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 PSE sends internal failure analysis to UTC. They are filed with 30 day reports	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;				
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			
51.	480-93-200(10)	Submitting copy of DOT Drug and Alcohol Testing MIS Data Collection Form when required	x			

Comments:

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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:	
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CONSTRUCTION RECORDS			S	U	N/A	N/C
55.	480-93-013	OQ records for personnel performing New Construction covered tasks Welders PSE wide, ok	x			
56.	192.225	Test Results to Qualify Welding Procedures Welders PSE wide, ok	x			
57.	192.227	Welder Qualification Welders PSE wide, ok	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 O&M 2700.1600.Section 6 and 7 PSE does not track every joint. PSE does have supervisor observe a production joint in field and signs their qualification data card, tested at union hall. This is procedure even if fuser has done joint every day, those are not tracked. Contractor doing the same. . Reviewed crew sheets for the 3 construction jobs reviewed. The information links how to get welder fuser linked to job since their name does not appear on the job. It shows who was on the job. Going forward welder fuser will sign off for each fuse on form	x			
61.	480-93-080(2)(c)	Tracking Production Joints or Re-qualify joiners 1/Yr (12Months) No, always retest. Done in field on job by welding test personnel	x			
62.	480-93-115(2)	Test leads on casings (without vents) installed after 9/05/1992 PSE only installs casing under special circumstances. Since 1992 all casing installed have test leads.	x			
63.	480-93-115(3)	Sealing ends of casings or conduits on transmission lines and mains Yes, per PSE O&M standards	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 Called Quality Insurance Inspectors and they are co wide. ok	x			
66.	192.243(b)(2)	Nondestructive Technician Qualification Uses 2 companies, Washington Oregon Laboratories and 2nd Acuren, during job the construction manager chooses company. The OQ records are filed at the company and PSE has unlimited access. Carry current id card	x			
67.	192.243(c)	NDT procedures NDT on over 40% SYMS, PSE also does visual on all welds and fusions, O&M 2700.1200.	x			
68.	192.243(f)	Total Number of Girth Welds	x			

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CONSTRUCTION RECORDS			S	U	N/A	N/C
69.	192.243(f)	Number of Welds Inspected by NDT	x			
70.	192.243(f)	Number of Welds Rejected	x			
71.	192.243(f)	Disposition of each Weld Rejected	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	x			
76.	480-93-160(1)	Report filed 45 days prior to construction or replacement of transmission pipelines \geq 100 feet in length	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:	x			
78.	480-93-160(2)(a)	Description and purpose of the proposed pipeline;	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.	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;	x			
82.	480-93-160(2)(e)	Location and construction details of all river crossings or other unusual construction requirements encountered en route.	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;	x			
84.	480-93-160(2)(g)	Welding specifications; and	x			
85.	480-93-160(2)(h)	Bending procedures to be followed if needed.	x			
86.	480-93-170(1)	Commission notified 2 days prior to pressure testing pipelines with an MAOP producing a hoop stress \geq 20% SMYS ?	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 PSE Engineering does not lower pipelines	x			
91.	480-93-175(4)	Leak survey within 30 days of moving or lowering pipelines \leq 60 psig	x			

Comments:

OPERATIONS and MAINTENANCE RECORDS	S	U	N/A	N/C
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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 Reviewed in W King, Every standard number and every procedure is reviewed, O&M and Field Procedure is individually reviewed annually. Probable Violation of 480-93-180 Finding PSE's Operations and Maintenance Manual does not contain a detailed atmospheric corrosion procedure.		x		
95.	192.605(b)(3)	Availability of construction records, maps, operating history to operating personnel Once a month, crews given a disc to update the computer maps. All trucks have access to computer. O&M always available on computer in trucks. Some crews prefer and still use hard copy. Hard copy maps are only updated once a year.	x			
96.	480-93-018(3)	Records, including maps and drawings updated within 6 months of completion of construction activity? Yes, Mark explained process, Mapping watch for pressure test completion date and job completion date and update map at that time. Completion date starts mapping process, PSE allows 6 months for mapping. Occasionally a job gets held up in mapping and they have to get job from billing to complete within 6 months. Reviewed query of all of the map revisions turned in during 2011 to PSE's maps and records department in Pierce county. Received query in email dated 9-21-2011	x			
97.	192.605(b)(8)	Periodic review of personnel work – effectiveness of normal O&M procedures Reviewed Quality Insurance Report for Pierce	x			
98.	192.605(c)(4)	Periodic review of personnel work – effectiveness of abnormal operation procedures No transmission in Pierce	x			
99.	192.609	Class Location Study (If applicable) PSE designs to class 4. That means they use .4 factor in the past, now they use .2 as factor.	x			
100.	192.611	Confirmation or revision of MAOP Use .2	x			
101.		Damage Prevention (Operator Internal Performance Measures)				
102.	192.614	Does the operator have a quality assurance program in place for monitoring the locating and marking of facilities? Reviewed 7-15-2011 Damage Prevention Program Plan. Reviewed old Damage Prevention Plan May 2007. Reviewed O&M 2425.1600. 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) The quality assurance and inspection team do conduct routine monthly audits. There is a check list. And PSE has a monthly meeting. Reviewed PSE Quality Assurance & Inspection. Summary of tickets located. This form is just for locates. Reviewed PSE QA&I Audit Check list, Locate Accuracy Audit. if locates not accurate sent to Rick and put into monthly QAQC meeting.	x			

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103.	<p>Does operator including performance measures in facility locating services contracts with corresponding and meaningful incentives and penalties? Yes have performance matrix, penalties and probation, and review matrix monthly, PSE procedure is to have all contractor have quality assurance and approved before contract signed. PSE does quality assurance and Contractor has quality control program that is approved by PSE. PSE annually reviews. Contractor provides monthly report, PSE quality assurance checks contractor the 2 are compared Reviewed CLSs monthly report. Plus PSE gets daily report for locate activities.</p> <p>Reviewed 7/15/2011 Damage Prevention Program Plan pg 12 that contractors contract includes performance measures. Also reviewed 5-2007 it does state same</p>	x			
104.	<p>Do locate contractors address performance problems for persons performing locating services through mechanisms such as re-training, process change, or changes in staffing levels? Yes, any time a locator is inaccurate the locate co does root cause, if individual error or company issue. If company issue must put together co training and do training per contract</p>	x			
105.	<p>Does the operator periodically review the Operator Qualification plan criteria and methods used to qualify personnel to perform locates? Yes, any time a locator is inaccurate the locate co does root cause, if individual error or company issue. If company issue must put together co training and do training per contract</p>	x			
106.	<p>Review operator locating and excavation <u>procedures</u> for compliance with state law and regulations. DC reviewed O&M 2425.1600 Section 6.5</p>	x			
107.	<p>Are locates are being made within the timeframes required by state law and regulations? Examine record sample. Yes Reviewed Ticket Tracking report or agreement per law to locate at both parties agree time for records for 7-18 week of 2009 and 2010 for both Locating Inc and CLS (CLS just merged withUSIC)</p>	x			
108.	<p>Are locating and excavating personnel properly <u>qualified</u> in accordance with the operator's Operator Qualification plan and with federal and state requirements? Yes, contractors have own OQ plan, certified and then trained to PSE individual procedures if required.</p>	x			
109.	<p>Follow-up inspection performed on the pipeline where there is reason to believe the pipeline could be damaged .614(c) (6)</p> <p>RECOMMENDATION: CLARIFY WORDING IN 2425.1600 7.2 This appears to be wording issue in the manual. 2425.1600 7.2 says when damage found it goes into damaged/repair mode. Every time pipe exposed an exposed pipe form is filled out and turned in as well as the PI inspection make a note in personal log book</p> <p>New Damage Prevention Plan bottom of pg 6 says that PI inspector will perform follow up inspection of pipe where these is reason to believe it could be damage. Wording does not match in both places. Also, in the old Damage Prevention Program but it does state PI inspectors stand by when digging occurs around transmission lines. Current wording does not verify the integrity of the pipeline, special leak surveys may not be requested in areas where pipe could be damaged.</p> <p>Gary Swanson. found in W King there were zero special leak surveys, for 2008 and 2009: in Thurston there one special Leak on Little Rock Rd project, for 2008 and 2009:</p>	x			
110.	<p>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</p> <p>PSE has plans to implement</p>	x			

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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	x			
114.	192.615(b)(2)	Emergency Procedure training, verify effectiveness of training	x			
115.	192.615(b)(3)	Employee Emergency activity review, determine if procedures were followed.	x			
116.	192.615(c)	Liaison Program with Public Officials SENT IN EMAIL, PSE belongs to Washington State Fire Service Directory , includes all fire depts and that is how they fine them, this also includes all liaison names and phone numbers Dennis Smedsrud is Safety Training Manager and organizes all training and invites them to classroom and on line training.	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.	x			
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)	x			
		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) Saw the documentation did not review. 2006 did one because of Bellevue death, using Gillmore survey company phone sampling. Reviewed Fall OCSS Survey, Job C09062 Gillmore Research Group November 2009: The 2010 evaluation was completed early. other methods basic questions asked before any presentation, same question written out at Fairs etc. Reviewed Test Your Natural Gas Awareness questionnaire and the recap of % of answers for Excavator Public Works, Emergency Responders, General Public, Public Officials		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. This is master meter's responsibility		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) UTC has all failure analysis		x			

Comments:

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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) At this time, PSE does not use PA-11 and no plans to use in the future	x			
128.	480-93-015(1)	Odorization of Gas – Concentrations adequate O&M 2650.1000 7.4. 20 test sites in Pierce County	x			
129.	480-93-015(2)	Monthly Odorant Sniff Testing Reviewed SAP Odor Test Site Monthly reads for all sites in 1009 and 2010	x			
130.	480-93-015(3)	Prompt action taken to investigate and remediate odorant concentrations not meeting the minimum requirements None – but if there were they would follow O&M 2650.1000.8.3	x			
131.	480-93-015(4)	Odorant Testing Equipment Calibration/Intervals (Annually or Manufacturers Recommendation) Odorator sent out to Heath for calibration. Odorator equipment # 11415820 calibrated April 25, 2008, March 25, 2009 and March 19, 2010; #1415816 calibrated 11-6-2008, 11-25-2009 and went into tool repair; #11531367 (new to district) March 3, 2010 and Nov 8, 2010 (it was taken into tool room for repair); #11543520 (new to district) August 25, 2010 and August 29, 2011; and #11532055 March 3, 2010, Sept 29, 2010 (it was taken into tool room for repair) 5 different Units used in Pierce from 2008 to current	x			
132.	480-93-124(3)	Pipeline markers attached to bridges or other spans inspected? 1/yr(15 months) For 480-93-124(6) Surveys of pipeline markers not associated with subsection (4) of this section must be conducted at least every five calendar years but not to exceed sixty-three months, to ensure that markers are visible and legible. Recommend during exit that PSE review their plans and procedures. Did not do during inspection because of time constraint	x			
133.	480-93-124(4)	Markers reported missing or damaged replaced within 45 days? O&M Section 2525.2500. and 2575.1100 for maintaining.	x			
134.	480-93-140(2)	Service regulators and associated safety devices tested during initial turn-on Documented on Meter installation tag	x			
135.	480-93-155(1)	Up-rating of system MAOP to >60 psig? Procedures and specifications submitted 45 days prior? This remains to be a problem. PSE, DAVE and Joe are working on a solution. Until a solution is reached no uprates are being conducted. PSE does not have all original pressure test documentation. A current interpretation of 192.513 (8) requires it. Vashon uprate #2078, 62 customers in area around High School, for this one a 1991 pressure test could not be found. Need to see all the rest of the uprates	x			
136.	480-93-185(1)	Reported gas leaks promptly investigated? Graded in accordance with 480-93-186? Records retained? HEATH GRADES LEAKS AS FOUND, AND GRADES REEVALUTE LEAKS DURING SURVEYS.	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? Review letter or documentation of adult notified	x			
139.	480-93-186(3)	Leak evaluations: Are follow-up inspections performed within 30 days of a leak repair?	x			
140.	480-93-186(4)	Leak evaluations: Grade 1 and 2 leaks (if any), downgraded once to a grade 3 without physical repair?	x			
141.	480-93-187	Gas leak records: at a minimum include required information listed under 480-93-187(1-13) Reviewed form in W King. Form has space for all requirements	x			
142.	480-93-188(1)	Gas leak surveys	x			

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143.	480-93-188(2)	Gas detection instruments tested for accuracy/intervals (Mfct recommended or monthly not to exceed 45 days) Email to me 9-22-2011, For PSE equipment reviewed gas detection, instrument calibration records and cp calibration record. For gas detection reviewed dates. Reviewed Gas Scope list randomly all dates ok Also use GMI units that shut themselves off if need monthly calibration, so not in SAP because it shuts itself off if not calibrated. Not all districts use	x															
144.	480-93-188(3)	Leak survey frequency (Refer to Table Below)	x															
		Less 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)											
		Mains: CI, WI, copper, unprotected steel					2/yr (7.5 months)											
144 cont		Pipelines Operating above or below 250 psig 1 yr (15months) –PART OF TABLE PSE does have pipelines operating over 250 in Pierce. Is a 16 inch steel main, approximately 27000 feet and is annual leak survey	x															
144 cont		Other Mains: CI, WI, copper, unprotected steel 2 year (7.5 months) –PART OF TABLE No copper in Pierce	x															
145	480-93-188(4)(a)	Special leak surveys - Prior to paving or resurfacing, following street alterations or repairs No Request for leak surveys prior to paving for all of Pierce County.	x															
145.	480-93-188(4)(b)	Special leak surveys - areas where substructure construction occurs adjacent to underground gas facilities, and damage could have occurred No Request for leak surveys prior to paving for all of Pierce County.	x															
146.	480-93-188(4)(c)	Special leak surveys - Unstable soil areas where active gas lines could be affected No Request for leak surveys prior to paving for all of Pierce County.	x															
147.	480-93-188(4)(d)	Special leak surveys - areas and at times of unusual activity, such as earthquake, floods, and explosions No Request for leak surveys prior to paving for all of Pierce County.	x															
148.	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	x															
149.	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) <i>(5) Each gas pipeline company must keep leak survey records for a minimum of five years. At a minimum, survey records must contain the following information:</i> <i>(a) Description of the system and area surveyed (including maps and leak survey logs);</i> <i>(b) Survey results;</i> <i>(c) Survey method;</i> <i>(d) Name of the person who performed the survey;</i> <i>(e) Survey dates; and</i> <i>(f) Instrument tracking or identification number.</i> Reviewed the Leakage Survey Documentation form and map to get all a-f requirements.	x															
151.	480-93-188(6)	Leak program - Self Audits	x															
152.	192.709	Patrolling (Transmission Lines) (Refer to Table Below) .705 No transmission in Pierce County	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)
Class Location	At Highway and Railroad Crossings	At All Other Places																
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153.	192.709	Leak Surveys (Transmission Lines) (Refer to Table Below) .706			x													

**Utilities and Transportation Commission
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No transmission in Pierce County

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)	x			
155.	192.603(b)	Patrolling Outside Business District (2 per yr/7½ months) 192.721(b)(2)	x			
156.	192.603(b)	Leakage Survey - Outside Business District (5 years) 192.723(b)(1)	x			
157.	192.603(b)	Leakage Survey 192.723(b)(2)	x			
158.	192.603(b)	Tests for Reinstating Service Lines 192.725 <i>a) Except as provided in paragraph (b) of this section, each disconnected service line must be tested in the same manner as a new service line, before being reinstated.</i> <i>(b) Each service line temporarily disconnected from the main must be tested from the point of disconnection to the service line valve in the same manner as a new service line, before reconnecting. However, if provisions are made to maintain continuous service, such as by installation of a bypass, any part of the original service line used to maintain continuous service need not be tested.</i> PSE does for temporary services disconnect to be reconnecting in future, For repair is on Leak work order. If revision to service on D4. Both include pressure test information. O&M 2525.3300 Section 8.1.4	x			
159.	192.603(b)/.727(g)	Abandoned Pipelines; Underwater Facility Reports 192.727 NONE NA	x			
160.	192.709	Pressure Limiting and Regulating Stations (1 per yr/15 months) .739	x			
		Vashon Island, RS1670, Kingsbury Rd SW RETIRED 12-8-2005 1. No marker 2. No RS sign with number 3. There is a vault and chart at this location Need to field, retired THERE IS NEW RS NEXT TO THIS a.				
161.	192.709	Pressure Limiting and Regulator Stations – Capacity (1 per yr/15 months) .743 Pierce RS0959, note says retired, 2-2-2011, last inspection was 6-23-2010	x			
162.	192.709	Valve Maintenance – Distribution (1 per yr/15 months) .747	x			
163.	480-93-100(3)	Service valve maintenance (1 per yr/15 months)	x			
164.	192.709	Vault maintenance (≥200 cubic feet)(1 per yr/15 months) .749	x			
165.	192.603(b)	Prevention of Accidental Ignition (hot work permits) .751 PSE continually pumps air into vaults, control always knows location, have fire et by vault.	x			
166.	192.603(b)	Welding – Procedure 192.225(b)	x			
167.	192.603(b)	Welding – Welder Qualification 192.227/.229	x			
168.	192.603(b)	NDT – NDT Personnel Qualification .243(b)(2)	x			
169.	192.709	NDT Records (pipeline life) .243(f)	x			
170.	192.709	Repair: pipe (pipeline life); Other than pipe (5 years)	x			
171.	192.905(c)	Periodically examining their transmission line routes for the appearance of newly identified area's (HCA's) No transmission lines in Pierce	x			

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Comments:

CORROSION CONTROL RECORDS			S	U	N/A	N/C
172.	192.455(a)(1)	Pipeline coatings meet requirements of 192.461 (<i>for buried pipelines installed after 7/31/71</i>)	x			
173.	192.455(a)(2)	CP system installed on and operating within 1 yr of completion of pipeline construction (<i>after 7/31/71</i>)	x			
174.	192.465(a)	Annual Pipe-to-soil Monitoring (1 per yr/15 months) for short sections (10% per year; all in 10 years)	x			
175.	192.491	Test Lead Maintenance .471	x			
176.	192.491	Maps or Records .491(a)	x			
177.	192.491	Examination of Buried Pipe when exposed .459	x			
178.	480-93-110(8)	CP test reading on all exposed facilities where coating has been removed	x			
179.	192.491	Annual Pipe-to-soil monitoring (1 per yr/15 months) .465(a)	x			
180.	192.491	Rectifier Monitoring (6 per yr/2½ months) .465(b)	x			
181.	192.491	Interference Bond Monitoring – Critical (6 per yr/2½ months) .465(c)	x			
182.	192.491	Interference Bond Monitoring – Non-critical (1 per yr/15 months) .465(c)	x			
183.	480-93-110(2)	Remedial action taken within 90 days (Up to 30 additional days if other circumstances. Must document) .465(d)	x			
184.	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			
185.	192.491	Unprotected Pipeline Surveys, CP active corrosion areas (1 per 3 cal yr/39 months) .465(e) As identified in W King inspection, Bare steel replacement program. All bare pipe to be replace by 2014. This was reviewed during E King County inspection.	x			
186.	192.491	Electrical Isolation (Including Casings) .467	x			
187.	480-93-110(5)	Casings inspected/tested annually not to exceed fifteen months	x			
188.	480-93-110(5)(a)	Casings w/no test leads installed prior to 9/05/1992. Demonstrate other acceptable test methods <i>(a) For each casing installed prior to September 5, 1992, that does not have test leads, the gas pipeline company must be able to demonstrate that other test or inspection methods are acceptable and that test lead wires are not necessary to monitor for electrical isolation and adequate cathodic protection levels.</i>	x			
189.	480-93-110(5)(b)	Possible shorted conditions – Perform confirmatory follow-up inspection within 90 days	x			
190.	480-93-110(5)(c)	Casing shorts cleared when practical	x			
191.	480-93-110(5)(d)	Shorted conditions leak surveyed within 90 days of discovery. Twice annually/7.5 months	x			
192.	192.491	Interference Currents .473	x			
193.	192.491	Internal Corrosion; Corrosive Gas Investigation .475(a)	x			
194.	192.491	Internal Corrosion; Internal Surface Inspection; Pipe Replacement .475(b)	x			
195.	192.491	Internal Corrosion Control Coupon Monitoring (2 per yr/7½ months) .477	x			

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CORROSION CONTROL RECORDS			S	U	N/A	N/C
196.	192.491	Atmospheric Corrosion Control Monitoring (1 per 3 cal yr/39 months onshore; 1 per yr/15 months offshore) .481	x			
197.	192.491	Remedial: Replaced or Repaired Pipe; coated and protected; corrosion evaluation and actions .483/.485 <i>(c) Each operator shall maintain a record of each test, survey, or inspection required by this subpart in sufficient detail to demonstrate the adequacy of corrosion control measures or that a corrosive condition does not exist. These records must be retained for at least 5 years, except that records related to §§192.465(a) and (e) and 192.475(b) must be retained for as long as the pipeline remains in service.</i> <ul style="list-style-type: none"> • records for atmos corrosion must be maintained even if on leak survey maps 	x			

Comments:

PIPELINE INSPECTION (Field)			S	U	N/A	N/C
198.	192.161	Supports and anchors	x			
199.	480-93-080(1)(d)	Welding procedures located on site where welding is performed?	x			
200.	480-93-080(1)(b)	Use of testing equipment to record and document essential variables	x			
201.	480-93-080(2)(a)	Plastic procedures located on site where welding is performed?	x			
202.	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			
203.	480-93-013	Personnel performing "New Construction" covered tasks OQ qualified?	x			
204.	480-93-015(1)	Odorization	x			
205.	480-93-018(3)	Updated records, inc maps and drawings made available to appropriate operations personnel?	x			
206.	192.179	Valve Protection from Tampering or Damage	x			
207.	192.455	Pipeline coatings meet requirements of 192.461 <i>(for buried pipelines installed after 7/31/71)</i>	x			
208.	192.463	Levels of cathodic protection	x			
209.	192.465	Rectifiers	x			
210.	192.467	CP - Electrical Isolation	x			
211.	192.476	Systems designed to reduce internal corrosion	x			
212.	192.479	Pipeline Components exposed to the atmosphere	x			
213.	192.481	Atmospheric Corrosion: monitoring	x			
214.	192.491	Test Stations - Sufficient Number .469	x			
215.	480-93-115(2)	Casings – Test Leads (casings w/o vents installed after 9/05/1992)	x			
216.	480-93-115(2)	Mains or transmission lines installed in casings/conduit. Are casing ends sealed?	x			
217.	480-93-115(4)	Service lines installed in casings/conduit. Are casing ends nearest to building walls sealed?	x			
218.	192.605(a)	Appropriate parts of manuals kept at locations where O&M activities are conducted	x			
219.	192.605	Knowledge of Operating Personnel	x			
220.	480-93-124	Pipeline markers	x			
221.	480-93-124(4)	Markers reported missing or damaged replaced within 45 days?	x			

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PIPELINE INSPECTION (Field)			S	U	N/A	N/C
222.	192.719	Pre-pressure Tested Pipe (Markings and Inventory)	x			
223.	192.195	Overpressure protection designed and installed where required?	x			
224.	192.739/743	Pressure Limiting and Regulating Devices (Mechanical/Capacities)	x			
225.	192.741	Telemetry, Recording Gauges	x			
226.	192.751	Warning Signs	x			
227.	192.355	Customer meters and regulators. Protection from damage	x			
228.	192.355(c)	Pits and vaults: Able to support vehicular traffic where anticipated.	x			
229.	480-93-140	Service regulators installed, operated and maintained per state/fed regs and manufacturers recommended practices?	x			
230.	480-93-178(2)	Plastic Pipe Storage facilities – Maximum Exposure to Ultraviolet Light (2yrs)	x			
231.	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			
232.	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			
233.	480-93-178(6)	Are there Temporary above ground PE pipe installations currently? Yes No x				
234.	480-93-178(6)(a)	If yes, is facility monitored and protected from potential damage?	x			
235.	480-93-178(6)(b)	If installation exceeded 30 days, was commission staff notified prior to exceeding the deadline?	x			
236.	192.745	Valve Maintenance (Transmission)	x			
237.	192.747	Valve Maintenance (Distribution)	x			

Facility Sites Visited:

Facility Type	Facility ID Number	Location

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

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238.		.605(b)	COMPRESSOR STATION PROCEDURES	S	U	N/A	N/C
239.			.605(b)(6) Maintenance procedures, including provisions for isolating units or sections of pipe and for purging before returning to service			x	
240.			.605(b)(7) Starting, operating, and shutdown procedures for gas compressor units			x	
241.			.731 Inspection and testing procedures for remote control shutdowns and pressure relieving devices (1 per yr/15 months), prompt repair or replacement			x	
242.			.735 (a) Storage of excess flammable or combustible materials at a safe distance from the compressor buildings			x	
243.			(b) Tank must be protected according to NFPA #30			x	
244.			.736 Compressor buildings in a compressor station must have fixed gas detection and alarm systems (must be performance tested), unless:			x	
245.			• 50% of the upright side areas are permanently open, or			x	
246.			• It is an unattended field compressor station of 1000 hp or less			x	

Comments:
PSE does not have compressor station

247.			COMPRESSOR STATION O&M PERFORMANCE AND RECORDS	S	U	N/A	N/C
247.	.709		.731(a) Compressor Station Relief Devices (1 per yr/15 months)			x	
248.			.731(c) Compressor Station Emergency Shutdown (1 per yr/15 months)			x	
249.			.736(c) Compressor Stations – Detection and Alarms (Performance Test)			x	

Comments:

250.			COMPRESSOR STATIONS INSPECTION (Field)	S	U	N/A	N/C
			(Note: Facilities may be "Grandfathered")				
250.	.163	(c)	Main operating floor must have (at least) two (2) separate and unobstructed exits			x	
251.			Door latch must open from inside without a key			x	
252.			Doors must swing outward			x	
253.		(d)	Each fence around a compressor station must have (at least) 2 gates or other facilities for emergency exit			x	
254.			Each gate located within 200 ft of any compressor plant building must open outward			x	
255.			When occupied, the door must be opened from the inside without a key			x	
256.		(e)	Does the equipment and wiring within compressor stations conform to the National Electric Code, ANSI/NFPA 70?			x	
257.	.165	(a)	If applicable, are there liquid separator(s) on the intake to the compressors?			x	
258.		(b)	Do the liquid separators have a manual means of removing liquids?			x	
259.			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	
260.	.167	(a)	ESD system must:				

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

Comments:

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