

# 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			
<b>Docket Number</b>	ID 2620		
<b>Inspector Name &amp; Submit Date</b>	Dave Cullom, July 19, 2012		
<b>Chief Eng Name &amp; Review/Date</b>	Joe Subsits, July 19, 2012		
Operator Information			
<b>Name of Operator:</b>	Cascade Natural Gas Corporation	<b>OP ID #:</b>	2128
<b>Name of Unit(s):</b>	Grays Harbor/Mason County		
<b>Records Location:</b>	Aberdeen, WA		
<b>Date(s) of Last (unit) Inspection:</b>	December 1 – 5, 2008	<b>Inspection Date(s):</b>	June 18 – 21, 2012

#### Inspection Summary:

The inspection included a random selection of records, operation and maintenance, emergency response, inventory and field inspection of the pipeline facilities. There were several stations that had some corrosion that needed evaluation and one station had a relief fail to function during the field test. I recommend a follow-up after the operator remedies these issues.

The stations are:

R-4 - Camp Creek Road W of Brook Drive, Montesano, Wa

There were sections of dis-bonded coating and some external corrosion present needing evaluation on the line pipe. The operating run had corrosion needing evaluation on a welded pipe nipple and the outlet valve housing. There was a chart box that was bolted to the manifold and the operator could not confirm if it was removed during the last atmospheric corrosion survey.

R-10 - McCleary-Sine Rd at Williams Pipeline, McCleary, Wa

There were sections of dis-bonded coating and some external corrosion present needing evaluation on the line pipe.

R-38 – Old Olympic Highway at Kitsap Peninsula Line, Shelton, Wa

There was a chart box that was bolted to the manifold and the operator could not confirm if it was removed during the last atmospheric corrosion survey.

R-15 – Shelton Springs Rd at Kitsap Peninsula Line, Shelton, Wa

The over pressure protection (relief) failed to function at this location during the field portion of the inspection. There were sections of dis-bonded coating and some external corrosion present needing evaluation on the line pipe.

R-34 – Shelton Springs Rd at Wallace Blvd, Shelton, Wa

R-15 was within the same station and it was noted as having more corrosion than R-34, but the operator stated that both stations are scheduled to be cleaned, evaluated for corrosion, and properly coated.

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<b>HQ Address:</b> 8113 W. Grandridge Blvd Kennewick, WA 99336		<b>System/Unit Name &amp; Address:</b> Grays Harbor/ Mason County 713 W. Wishkah St. Aberdeen, Wa 98520	
<b>Co. Official:</b>	Tina Beach	<b>Phone No.:</b>	360.733.5981
<b>Phone No.:</b>	509.734.4576	<b>Fax No.:</b>	360.733.1416
<b>Fax No.:</b>	509.737.9803	<b>Emergency Phone No.:</b>	888.522.1130
<b>Emergency Phone No.:</b>	888.522.1130		
<b>Persons Interviewed</b>	<b>Title</b>	<b>Phone No.</b>	
Clint Matthews	District Manager	360-271-0071	
Tina Beach	Regulatory Compliance Mgr.	509-734-4576	
Vicki Ganow	Pipeline Safety Specialist	360-788-2381	
Patti Chartrey	Pipeline Safety Specialist	360-373-1405	
Chanda Marek, P.E.	Manager Western Region	360-405-4220	
Kevin Berner	Pressure Control Technician	360-271-0071	
Morgan Gray	Corrosion Control Technician	360-271-0071	

<b>WUTC staff conducted an abbreviated procedures inspection on 192 O&amp;M and WAC items that changed since the last inspection. This checklist focuses on Records and Field items per a routine standard inspection.</b> (check one below and enter appropriate date)			
<input type="checkbox"/>	Team inspection was performed (Within the past five years.) or,	<b>Date:</b>	
<input type="checkbox"/>	Other WUTC Inspector reviewed the O & M Manual (Since the last yearly review of the manual by the operator.)	<b>Date:</b>	11/2007

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GAS SYSTEM OPERATIONS			
<b>Gas Supplier</b>		Williams	
<b>Services:</b> <i>Residential 1343    Commercial 371    Industrial 5    Other</i>			
Number of reportable safety related conditions last year		0	
Number of <u>non-reportable</u> safety related conditions last year		0	
Number of deferred leaks in system		0	
Number of third party hits last year		3	
Miles of transmission pipeline within unit (total miles and miles in class 3 & 4 areas)		97619ft 8 inch    158 ft 2 inch	
Miles of main within inspection unit (total miles and miles in class 3 & 4 areas)		231.25 miles	
<b>Operating Pressure(s):</b>		<b>MAOP (Within last year)</b>	<b>Actual Operating Pressure (At time of Inspection)</b>
Feeder:	Williams	809	756
Town:	Shelton McCleary	499 305	497 285
Other:			
Does the operator have any transmission pipelines?		Yes	
Compressor stations? Use Attachment 1.		No	

Pipe Specifications:			
Year Installed (Range)	1958 – present	Pipe Diameters (Range)	½ to 12inch
Material Type	Steel and PE	Line Pipe Specification Used	API5L and ASTM D2513
Mileage	This in in the CNG annual report	SMYS %	Everything below 20% except Kitsap 24.93%

**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** June 20-21 2012 This 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:** **\*\*Notes - This was performed earlier this year by Al Jones\*\***

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

REPORTING RECORDS	S	U	N/A	N/C

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REPORTING RECORDS			S	U	N/A	N/C
1.	49 U.S.C. 60132, Subsection (b)	<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</b> Updates to NMPS: Operators are required to make update submissions every 12 months if any system modifications have occurred. <u>If no modifications have occurred since the last complete submission (including operator contact information), send an email to <a href="mailto:opsgis@rspa.dot.gov">opsgis@rspa.dot.gov</a> stating that fact.</u> Include operator contact information with all updates. <b>***Notes – Submitted in March***</b>	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? <b>****Notes – Sent in April***</b>	X			
3.	191.5	<b>Immediate Notice of certain incidents to NRC (800) 424-8802, or electronically at <a href="http://www.nrc.uscg.mil/nrchp.html">http://www.nrc.uscg.mil/nrchp.html</a>, and additional report if significant new information becomes available. Operator must have a written procedure for calculating an initial estimate of the amount of product released in an accident. <b>*** None – No federal reportables per Vicki. I looked at calcs***</b></b>	X			
4.	191.7	Reports (except SRCR and offshore pipeline condition reports) must be submitted electronically to PHMSA at <a href="https://opswb.phmsa.dot.gov">https://opswb.phmsa.dot.gov</a> at unless an alternative reporting method is authorized IAW with paragraph (d) of this section.	X			
5.	191.15(a)	30-day follow-up written reports to PHMSA ( <b>Form F7100.2</b> ) Submittal must be electronically to <a href="http://pipelineonlinereporting.phmsa.dot.gov">http://pipelineonlinereporting.phmsa.dot.gov</a> <b>****Notes - None needed no instances in this unit during this inspection time frame****</b>			X	
6.	191.15(c)	Supplemental report (to 30-day follow-up) <b>****Notes - None needed no instances in this unit during this inspection time frame****</b>			X	
7.	191.17	<b>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).</b>	X			
8.	191.22	Each operator must obtain an OPID, validate its OPIDs, and notify PHMSA of certain events at <a href="https://opswb.phmsa.dot.gov">https://opswb.phmsa.dot.gov</a>	X			
9.	191.23	Filing the <b>Safety Related Condition Report (SRCR)</b> <b>****Notes - None needed no instances in this unit during this inspection time frame****</b>			X	
10.	191.25	Filing the SRCR within 5 days of determination, but not later than 10 days after discovery <b>****Notes - None needed no instances in this unit during this inspection time frame****</b>			X	
11.	.605(d)	<b>Instructions to enable operation and maintenance personnel to recognize potential Safety Related Conditions</b> <b>***Notes – CP .0261 reviewed***</b>	X			
12.	191.27	Offshore pipeline condition reports – filed within 60 days after the inspections <b>****Notes - None needed no instances in this unit****</b>			X	
13.	192.727(g)	Abandoned facilities offshore, onshore crossing commercially navigable waterways reports <b>****Notes - None needed no instances in this unit during this inspection time frame****</b>			X	
14.	480-93-200(1)	Telephonic Reports to <b>UTC Pipeline Safety Incident Notification 1-888-321-9146</b> (Within <b>2 hours</b> ) for events which results in;				
15.	480-93-200(1)(a)	A fatality or personal injury requiring hospitalization; <b>***Notes – No instances***</b>	X			
16.	480-93-200(1)(b)	Damage to property of the operator and others of a combined total exceeding fifty thousand dollars; <b>***Notes – No instances***</b>	X			
17.	480-93-200(1)(c)	The evacuation of a building, or high occupancy structures or areas;	X			
18.	480-93-200(1)(d)	The unintentional ignition of gas; <b>****Notes – No instances****</b>			X	
19.	480-93-200(1)(e)	The unscheduled interruption of service furnished by any operator to twenty five or more distribution customers;	X			
20.	480-93-200(1)(f)	A pipeline pressure exceeding the MAOP plus ten percent or the maximum pressure allowed by proximity considerations outlined in WAC 480-93-020;	X			
21.	480-93-200(1)(g)	Is significant, in the judgment of the operator, even though it does not meet the criteria of (a) through (f) of this subsection;	X			
22.	480-93-200(2)	Telephonic Reports to <b>UTC Pipeline Safety Incident Notification 1-888-321-9146</b> (Within <b>24 hours</b> ) for;				

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REPORTING RECORDS			S	U	N/A	N/C
23.	480-93-200(2)(a)	The uncontrolled release of gas for more than two hours;	X			
24.	480-93-200(2)(b)	The taking of a high pressure supply or transmission pipeline or a major distribution supply gas pipeline out of service; <b>***Notes – No instances***</b>			X	
25.	480-93-200(2)(c)	A gas pipeline operating at low pressure dropping below the safe operating conditions of attached appliances and gas equipment; or <b>***Notes – No instances***</b>			X	
26.	480-93-200(2)(d)	A gas pipeline pressure exceeding the MAOP	X			
27.	480-93-200(4)	Did written incident reports (within 30 days of telephonic notice) include the following				
28.	480-93-200(4)(a)	Name(s) and address(es) of any person or persons injured or killed, or whose property was damaged;	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 <b>failure analysis</b> of any incident or hazardous condition due to <b>construction defects or material failure</b> <b>***Notes - None needed no instances in this unit during this inspection time frame***</b>			X	
42.	480-93-200(7)	<b>Annual Reports</b> filed with the commission no later than <b>March 15</b> 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			

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

**Comments:**

CUSTOMER and EXCESS FLOW VALVE INSTALLATION NOTIFICATION			S	U	N/A	N/C
52.	192.16	<b>Customer notification</b> - Customers notified, within <b>90 days</b> , of their responsibility for those service lines not maintained by the operator <b>***Notes – Looked at mailer that goes out to new customers***</b>	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	X			
57.	192.227	Welder Qualification	X			
58.	480-93-080(1)(b)	Appendix C Welders re-qualified <b>2/Yr (7.5Months)</b> <b>****Notes - None needed no instances in this unit during this inspection time frame****</b>			X	
59.	480-93-080(2)	Plastic pipe joiners re-qualified <b>1/Yr (15 Months)</b> <b>****Notes – Annual****</b>	X			
60.	480-93-080(2)(b)	Plastic pipe joiners re-qualified if no production joints made during any 12 month period <b>****Notes - None needed no instances in this unit during this inspection time frame****</b>			X	
61.	480-93-080(2)(c)	Tracking Production Joints or Re-qualify joiners <b>1/Yr (12Months)</b> <b>****Notes - None needed no instances in this unit during this inspection time frame****</b>			X	
62.	480-93-115(2)	Test leads on casings (without vents) installed after 9/05/1992 <b>****Notes – They have not installed any casings without vents****</b>			X	
63.	480-93-115(3)	Sealing ends of casings or conduits on transmission lines and mains <b>**Notes – CP 153.b.2****</b>	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 <b>***Notes - Covered task 2000DOT***</b>	X			
66.	192.243(b)(2)	Nondestructive Technician Qualification <b>**Notes - NDT is performed by contractors. These are in project documentation**</b>			X	
67.	192.243(c)	NDT procedures <b>***Notes – Looked at comp procedure 2012 trans audit** CP 760.10</b>	X			
68.	192.243(f)	Total Number of Girth Welds <b>***Notes – Looked at comp procedure** CP 760.10</b>	X			

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CONSTRUCTION RECORDS			S	U	N/A	N/C
69.	192.243(f)	Number of Welds Inspected by NDT <b>***Notes – None as required by 241***</b>			X	
70.	192.243(f)	Number of Welds Rejected <b>***Notes – None as required by 241***</b>			X	
71.	192.243(f)	Disposition of each Weld Rejected <b>***Notes – None as required by 241***</b>			X	
72.	.273/.283	Qualified Joining Procedures Including Test Results <b>***Notes - CP 1020 DOT reviewed***</b>	X			
73.	192.303	Construction Specifications <b>****Notes – CP 605**</b>	X			
74.	192.325 WAC 480-93-178(4)(5)	Underground Clearances <b>***Notes - CP 605.022***</b>	X			
75.	192.327	Amount, location, cover of each size of pipe installed <b>***Notes - CP 605.0493***</b>	X			
76.	480-93-160(1)	Report filed <b>45 days</b> prior to construction or replacement of transmission pipelines $\geq 100$ feet in length <b>****Notes - None needed no instances in this unit during this inspection time frame****</b>			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: <b>****Notes - None needed no instances in this unit during this inspection time frame****</b>			X	
78.	480-93-160(2)(a)	Description and purpose of the proposed pipeline; <b>****Notes - None needed no instances in this unit during this inspection time frame****</b>			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. <b>****Notes - None needed no instances in this unit during this inspection time frame****</b>			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 <b>****Notes - None needed no instances in this unit during this inspection time frame****</b>			X	
81.	480-93-160(2)(d)	MAOP for the gas pipeline being constructed; <b>****Notes - None needed no instances in this unit during this inspection time frame****</b>			X	
82.	480-93-160(2)(e)	Location and construction details of all river crossings or other unusual construction requirements encountered en route. <b>****Notes - None needed no instances in this unit during this inspection time frame****</b>			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; <b>****Notes - None needed no instances in this unit during this inspection time frame****</b>			X	
84.	480-93-160(2)(g)	Welding specifications; and <b>****Notes - None needed no instances in this unit during this inspection time frame****</b>			X	
85.	480-93-160(2)(h)	Bending procedures to be followed if needed. <b>****Notes - None needed no instances in this unit during this inspection time frame****</b>			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? <b>****Notes - None needed no instances in this unit during this inspection time frame****</b>			X	
87.	480-93-170(7)	Pressure tests records at a minimum include required information listed under 480-93-170(a-h) <b>****Notes – Looked at Newman Creek and R23retire/R59 rebuild****</b>	X			
88.	480-93-170(9)	Individual pressure test records maintained for single installations where multiple pressure tests were performed? <b>***Notes - CP 665.0210 and R59***</b>	X			
89.	480-93-170(10)	Pressure Testing Equipment checked for accuracy/intervals (Manufacturers Rec or Operators schedule) <b>***Notes looked at 2009 -2012***</b> Requested Chart recorder and gauge/dead weight records for R23/59 and Newman Creek and they looked good.	X			
90.	480-93-175(2)	Study prepared and approved prior to moving and lowering of metallic pipelines $> 60$ psig <b>****Notes - None needed no instances in this unit during this inspection time frame****</b>			X	
91.	480-93-175(4)	Leak survey within <b>30 days</b> of moving or lowering pipelines $\leq 60$ psig <b>****Notes - None needed no instances in this unit during this inspection time frame****</b>			X	

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<b>Comments:</b>
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OPERATIONS and MAINTENANCE RECORDS			S	U	N/A	N/C
92.	192.517(a)	Pressure Testing (operates at or above 100 psig) – <b>useful life of pipeline</b> ***Notes – <b>Looked at pressure tests for Newman, R23/59, Kitsap 12” Phase VI, and R-55. Requested 12in HP Gauge (Requested Snelson calibration record for Winchester Gauge 1 S/N 56679 for the 12in HP job. The gauge was used to verify the report 7/28/12.)</b>	X			
93.	192.517(b)	Pressure Testing (operates below 100 psig, service lines, plastic lines) – <b>5 years</b>  <b>Checked</b> <b>5/8 PE service at 127 W. “F” St. in Shelton.</b> <b>5/8 split service- 719 Perry Ave Hoquiam.</b>	X			
94.	192.605(a)	Procedural Manual Review – Operations and Maintenance ( <b>1 per yr/15 months</b> ) <b>Note:</b> Including review of OQ procedures as <u>suggested</u> by PHMSA - ADB-09-03 dated 2/7/09 ***Notes – <b>Doing integrated procedures with other MDU utilities. This was part of the settlement agreement. It was Number 6 in the agreement. There is a revision sheet – CP/OM review sheet that was started</b> ***	X			
95.	192.605(b)(3)	Availability of construction records, maps, operating history to operating personnel	X			
96.	480-93-018(3)	Records, including maps and drawings updated within <b>6 months</b> of completion of construction activity?  <b>Checked</b> <b>12 inch Kitsap As built and posted main GIS</b> <b>5/8 PE service at 127 W. “F” St. in Shelton.</b> <b>5/8 split service- 719 Perry Ave Hoquiam.</b>  <b>9419089752 Service installed 10/29/10 Not mapped as of 9/13/2011</b> <b>412 N Sylvia W/O 9361410235 4/25/12 not on map Checked install date 5/19/08</b>		X		
97.	192.605(b)(8)	Periodic review of personnel work – effectiveness of normal O&M procedures ***Notes - <b>Construction Inspections are done by EA (Engineering Associates) and uses a construction checklist The compliance department performs field audits. Managers also review work. 1 review per CP 799-09 monthly</b> ***	X			
98.	192.605(c)(4)	Periodic review of personnel work – effectiveness of abnormal operation procedures ****Notes – <b>This does not apply</b> ****			X	
99.	192.609	Class Location Study (If applicable) ****Note - <b>No transmission lines reviewed in this audit</b> ***			X	
100.	192.611	Confirmation or revision of MAOP ****Notes - <b>None needed no instances in this unit during this inspection time frame</b> ****			X	
101.	192.614	<b>Damage Prevention (Operator Internal Performance Measures)</b>				



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<b>OPERATIONS and MAINTENANCE RECORDS</b>			<b>S</b>	<b>U</b>	<b>N/A</b>	<b>N/C</b>
<b>102.</b>		Does the operator have a quality assurance program in place for monitoring the locating and marking of facilities? Do operators conduct regular field audits of the performance of locators/contractors and take action when necessary? (CGA Best Practices v. 6.0, Best Practice 4-18. Recommended only, not required) <b>***Notes – The substructure Damage Report monitors the locate accuracy***</b>	X			
<b>103.</b>		Does operator including performance measures in facility locating services contracts with corresponding and meaningful incentives and penalties? <b>***Notes – Done in-house – no contractors***</b>			X	
<b>104.</b>		Do locate contractors address performance problems for persons performing locating services through mechanisms such as re-training, process change, or changes in staffing levels? <b>***Notes – Done in-house – no contractors***</b>			X	
<b>105.</b>		Does the operator periodically review the Operator Qualification plan criteria and methods used to qualify personnel to perform locates? <b>***Notes – Covered in safety meetings and checked – same as finding in transmission audits***</b>	X			
<b>106.</b>		Review operator locating and excavation <u>procedures</u> for compliance with state law and regulations. <b>***Notes – CP 835 - Same as finding in transmission audits ***</b>	X			
<b>107.</b>		Are locates are being made within the timeframes required by state law and regulations? Examine record sample. <b>***Notes – Looked at several samples***</b>	X			
<b>108.</b>		Are locating and excavating personnel properly <u>qualified</u> in accordance with the operator’s Operator Qualification plan and with federal and state requirements? <b>***Notes – Looked at several 1440 DOT is the task name***</b>	X			
<b>109.</b>		Follow-up inspection performed on the pipeline where there is reason to believe the pipeline could be damaged .614(c) (6) 1. Is the inspection the done as frequently as necessary during and after the activities to verify the integrity of the pipeline? 2. In the case of blasting, does the inspection include leakage surveys?  <b>****Notes – Integrity Management Report , - No blasting has been done***</b>	X			
<b>110.</b>		<b>Informational purposes only. Not Required.</b> Does the pipeline operator voluntarily submit pipeline damage statistics into the UTC Damage Information Reporting Tool (DIRT)? Operator may register at <a href="https://identity.damagereporting.org/cgareg/control/login.do">https://identity.damagereporting.org/cgareg/control/login.do</a> <b>Y        N X</b> <b>***Notes – members, but no reporting is done</b>	X			

**Comments:**

<b>Emergency Response Plans</b>			<b>S</b>	<b>U</b>	<b>N/A</b>	<b>N/C</b>
<b>112.</b>	192.603(b)	Prompt and effective response to each type of emergency .615(a)(3) <b>Note:</b> Review operator records of previous accidents and failures including third-party damage and leak response. <b>***Notes – Looked at times for reportables back to 2010***</b>	X			

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113.	192.615(b)(1)	Location Specific Emergency Plan ****Notes – Looked at Aberdeen District. It had meter counts, emergency shut down isolation valves, and has been updated this past year.****	X																													
114.	192.615(b)(2)	Emergency Procedure training, verify effectiveness of training ***Notes – They have a PAPA Pipeline Emergency Response Guideline coursework and there are 8 scenarios***	X																													
115.	192.615(b)(3)	Employee Emergency activity review, determine if procedures were followed. ***Notes – Form 234 Revised 06/12 is used for emergency activity review. The old form of the form would have been used for incidents previously.***	X																													
116.	192.615(c)	Liaison Program with Public Officials	X																													
117.	192.616	<b>Public Awareness Program ****Notes - Reference PJ,s CNG PA May 29-June 1<sup>st</sup>****</b>																														
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: ****Notes - Reference PJ,s CNG PA May 29-June 1 <sup>st</sup> ****				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.		<b>API RP 1162 Baseline* Recommended Message Deliveries</b>																														
121.		<table border="1"> <thead> <tr> <th>Stakeholder Audience (LDC’s)</th> <th>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>Stakeholder Audience (Transmission line operators)</th> <th>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.				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 <b>June 20, 2010</b> . .616(h)				X																										

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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. <b>****Notes - None needed no instances in this unit during this inspection time frame****</b>				X	
126.	192.617	Review operator records of accidents and failures including laboratory analysis where appropriate to determine cause and prevention of recurrence .617 <b>Note:</b> Including excavation damage and <b>leak response records</b> (PHMSA area of emphasis) (NTSB B.10) <b>****Notes - No lab analysis needed****</b>				X	

**Comments:**

127.	192.619/621/623	Maximum Allowable Operating Pressure (MAOP) Note: New PA-11 design criteria is incorporated into 192.121 & .123 (Final Rule Pub. 12/24/08)	X				
128.	480-93-015(1)	Odorization of Gas – Concentrations adequate <b>****Notes - Checked O&amp;M*** They initiate investigation at .7</b>	X				
129.	480-93-015(2)	Monthly Odorant Sniff Testing <b>****Notes – Checked back to 2009****</b>	X				
130.	480-93-015(3)	Prompt action taken to investigate and remediate odorant concentrations not meeting the minimum requirements <b>****Notes – None noted that didn't meet the minimum requirements***</b>				X	
131.	480-93-015(4)	Odorant Testing Equipment Calibration/Intervals (Annually or Manufacturers Recommendation)	X				
132.	480-93-124(3)	Pipeline markers attached to bridges or other spans inspected? <b>1/yr(15 months)</b> <b>***Notes - Cp 610. These are done as part of the quarterly patrols***</b>	X				
133.	480-93-124(4)	Markers reported missing or damaged replaced within <b>45 days?</b> <b>****Notes – Could not find several of the missing pipeline markers river crossing sign work orders from quarterly patrols 5897219299 H-105 Replacement CP Stake Marker needed. Found during Leak survey 10/1/11 Done 4/26/12 exceeded 45 days****</b>			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 <b>&gt;60 psig?</b> Procedures and specifications submitted <b>45 days</b> prior? <b>****Notes - No instances in this unit during this inspection time frame****</b>				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; <b>****Notes – checked an odor call that was a foreign source****</b>	X				
138.	480-93-185(3)(b)	Leaks originating from a foreign source reported promptly/notification by mail. Records retained? <b>****Notes – None in this unit****</b>				X	
139.	480-93-186(3)	Leak evaluations: Are follow-up inspections performed within <b>30 days</b> of a leak repair?			X		

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140.	480-93-186(4)	Leak evaluations: Grade 1 and 2 leaks (if any), downgraded once to a grade 3 without physical repair? <b>****Notes – None in this unit****</b>			X									
141.	480-93-187	Gas leak records: at a minimum include required information listed under 480-93-187(1-13) <b>****Notes - Checked Multiple Leak Records back to 2011****</b>	X											
142.	480-93-188(1)	Gas leak surveys <b>**Notes - Looked at Business Shelton and McCleary 2009, 2010, 2011</b>  <b>Leak 5/8/2009 W/O 29377 Trusler Rd Non hazardous leak fixed 7/13/09</b>  <b>Leak W/O 7532210442 Shelton Section 1 2010 leak tee to house piping</b>  <b>5yr “residential” checked</b>  <b>Aberdeen</b>  <b>Montesano</b>  <b>Elma</b>	X											
143.	480-93-188(2)	Gas detection instruments tested for accuracy/intervals (Mfct recommended or monthly not to exceed 45 days) <b>**Notes – Reviewed 2010 – 2012 no apparent issues with the intervals**</b>	X											
144.	480-93-188(3)	Leak survey frequency (Refer to Table Below) <b>***Notes – the PBI – the public building inspection list has the HOS***</b>  <b>1246 Monte Elma Rd 07/06/09 check 2010 done 7/30/ 2011, 7/31/11,</b> <b>505 North F Street Aberdeen 06/01/09 6/30/2010, 06/01/11, 5/2/12</b> <b>117 S 8<sup>th</sup> Olympic Christian 03/04/09 , 3/31/10, 3/10/11, 3/2/12</b> <b>414 Broadway St Johns Parish Montesano 1/3/09, 1/29/10, 1/27/11 2/2/12</b>	X											
<table border="1"> <tr> <td>Business Districts (implement by 6/02/07)</td> <td>1/yr (15 months)</td> </tr> <tr> <td>High Occupancy Structures</td> <td>1/yr (15 months)</td> </tr> <tr> <td>Pipelines Operating ≥ 250 psig</td> <td>1/yr (15 months)</td> </tr> <tr> <td>Other Mains: CI, WI, copper, unprotected steel</td> <td>2/yr (7.5 months)</td> </tr> </table>							Business Districts (implement by 6/02/07)	1/yr (15 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)
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145.	480-93-188(4)(a)	Special leak surveys - Prior to paving or resurfacing, following street alterations or repairs <b>****Notes - No instances in this unit during this inspection time frame****</b>			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 <b>***Notes – One for 7<sup>th</sup> and Harriet where the City of Montesano put a sign over the line.****</b>	X											
147.	480-93-188(4)(c)	Special leak surveys - Unstable soil areas where active gas lines could be affected <b>****Notes - No instances in this unit during this inspection time frame****</b>			X									
148.	480-93-188(4)(d)	Special leak surveys - areas and at times of unusual activity, such as earthquake, floods, and explosions <b>****Notes - No instances in this unit during this inspection time frame****</b>			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.	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											

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151.	480-93-188(6)	Leak program - Self Audits ***Notes – Dec 23, 2011 Previous assessment was Dec 31, 2008 and is much less detailed than the current one. This study measured all components. I looked at this during the transmission audit***	X															
152.	192.709	Patrolling (Transmission Lines) (Refer to Table Below) .705 ***Notes – Checked during the transmission audit***				X												
<table border="1"> <thead> <tr> <th>Class Location</th> <th>At Highway and Railroad Crossings</th> <th>At All Other Places</th> </tr> </thead> <tbody> <tr> <td>1 and 2</td> <td>2/yr (7½ months)</td> <td>1/yr (15 months)</td> </tr> <tr> <td>3</td> <td>4/yr (4½ months)</td> <td>2/yr (7½ months)</td> </tr> <tr> <td>4</td> <td>4/yr (4½ months)</td> <td>4/yr (4½ months)</td> </tr> </tbody> </table>							Class Location	At Highway and Railroad Crossings	At All Other Places	1 and 2	2/yr (7½ months)	1/yr (15 months)	3	4/yr (4½ months)	2/yr (7½ months)	4	4/yr (4½ months)	4/yr (4½ months)
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153.	192.709	Leak Surveys (Transmission Lines) (Refer to Table Below) .706***Notes – 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
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) ***Notes – No areas identified as needing increased patrols by the operator****				X												
155.	192.603(b)	Patrolling Outside Business District (2 per yr/7½ months) 192.721(b)(2) ***Notes – No areas identified as needing increased patrols by the operator****				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) <ul style="list-style-type: none"> <li>Outside Business District (5 years)</li> <li>Cathodically unprotected distribution lines (3 years) ***note unprotected lines***</li> </ul>	X															
158.	192.603(b)	Tests for Reinstating Service Lines 192.725 ***Notes – This is not a practice they use. They do not reinstate***				X												
159.	192.603(b)/.727(g)	Abandoned Pipelines; Underwater Facility Reports 192.727 *****Notes - No abandoned pipelines or underwater facilities in this unit for the inspection timeframe.***				X												
160.	192.709	Pressure Limiting and Regulating Stations (1 per yr/15 months) .739	X															
161.	192.709	Pressure Limiting and Regulator Stations – Capacity (1 per yr/15 months) .743 2009-2011	X															
162.	192.709	Valve Maintenance – Transmission (1 per yr/15 months) .745				X												
163.	192.709	Valve Maintenance – Distribution (1 per yr/15 months) .747 ES Valves 2009,10,11 V8 V5 V4 V15 V37 V27 V57 V73 V55 V85	X															
164.	480-93-100(3)	Service valve maintenance (1 per yr/15 months) 2011, 2012 ****Only a method for in the design CP604 for new installation the code requires the identification of existing service valves for maintenance. The installation is not retroactive. AOC		X														
165.	192.709	Vault maintenance (≥200 cubic feet)(1 per yr/15 months) .749 *****Notes - None****				X												

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166.	192. 603(b)	Prevention of Accidental Ignition (hot work permits) .751 ****Notes - No instances in this unit during this inspection time frame****				X
167.	192. 603(b)	Welding – Procedure 192.225(b) ****Notes - Looked at welding procs earlier in audit.***	X			
168.	192. 603(b)	Welding – Welder Qualification 192.227/.229 ***Notes – looked at James Robertson’s OQ records***	X			
169.	192. 603(b)	NDT – NDT Personnel Qualification .243(b)(2) ****Notes - This was checked during the transmission audit earlier this summer****				X
170.	192.709	NDT Records (pipeline life) .243(f) ****Notes - This was checked during the transmission audit earlier this summer****				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) ****Notes – This is done on an annual basis CNG uses “Re-evaluation of HCA form”*****	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) ***Notes – In CP 710***	X			
174.	192.455(a)(2)	CP system installed on and operating within 1 yr of completion of pipeline construction (after 7/31/71)	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 - No isolated services per the operator****			X	
176.	192.491	Test Lead Maintenance .471 **** Notes - 1340 DOT addresses this requirement***	X			
177.	192.491	Maps or Records .491(a) ****Notes – In ArcGIS***	X			
178.	192.491	Examination of Buried Pipe when exposed **Notes – In .459 CNG Form 625 CP 755.031 Integrity Management Dig Report***	X			
179.	480-93-110(8)	CP test reading on all exposed facilities where coating has been removed .459 CNG Form 625 CP 755.031 Integrity Management Dig Report	X			
180.	192.491	Annual Pipe-to-soil monitoring (1 per yr/15 months) .465(a) ****Notes polarity not shown on 2010, but correct on 2011 and 2012.***	X			
181.	192.491	Rectifier Monitoring (6 per yr/2½ months) .465(b) ****Notes 2010, 2011, 2012 all looked good reads looked good***	X			
182.	192.491	Interference Bond Monitoring – Critical (6 per yr/2½ months) .465(c) ****Notes - None in this unit****			X	
183.	192.491	Interference Bond Monitoring – Non-critical (1 per yr/15 months) .465(c) ****Notes - None in this unit****			X	
184.	480-93-110(2)	Remedial action taken within 90 days (Up to 30 additional days if other circumstances. Must document) .465(d) ****Notes – GB tripped and was reset by Morgan investigation 1/1/2012 fixed 1/9/2012****	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 - None in this unit****			X	

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<b>CORROSION CONTROL RECORDS</b>			<b>S</b>	<b>U</b>	<b>N/A</b>	<b>N/C</b>
187.	192.491	Electrical Isolation ( <b>Including Casings</b> ) .467	X			
188.	480-93-110(5)	Casings inspected/tested annually not to exceed <b>fifteen months</b>	X			
189.	480-93-110(5)(a)	Casings w/no test leads installed prior to 9/05/1992. Demonstrate other acceptable test methods <b>****Notes - None in this unit****</b>			X	
190.	480-93-110(5)(b)	Possible shorted conditions – Perform confirmatory follow-up inspection within <b>90 days ****Notes – 2010/2011 reviewed and there was some follow-ups****</b>	X			
191.	480-93-110(5)(c)	Casing shorts cleared when practical <b>****Notes - None in this unit****</b>			X	
192.	480-93-110(5)(d)	Shorted conditions leak surveyed within 90 days of discovery. <b>Twice annually/7.5 months ****Notes - None in this unit****</b>			X	
193.	192.491	Interference Currents .473 <b>****Notes - None in this unit****</b>			X	
194.	192.491	Internal Corrosion; Corrosive Gas Investigation .475(a) <b>****Notes - None in this unit****</b>			X	
195.	192.491	Internal Corrosion; Internal Surface Inspection; Pipe Replacement .475(b) <b>****Notes done for R-23****</b>	X			
196.	192.491	Internal Corrosion Control Coupon Monitoring ( <b>2 per yr/7½ months</b> ) .477 <b>****Notes – None****</b>			X	
197.	192.491	Atmospheric Corrosion Control Monitoring ( <b>1 per 3 cal yr/39 months onshore; 1 per yr/15 months offshore</b> ) .481 Reviewed Four sections <b>****Notes - 2008/2011 Cycle – No apparent issues****</b>	X			
198.	192.491	Remedial: Replaced or Repaired Pipe; coated and protected; corrosion evaluation and actions .483/.485 <b>****Notes - 483 is in CP 755.04 and .485 doesn't apply to distribution system****.</b>	X			

**Comments:**

<b>PIPELINE INSPECTION (Field)</b>			<b>S</b>	<b>U</b>	<b>N/A</b>	<b>N/C</b>
199.	192.161	Supports and anchors	X			
200.	480-93-080(1)(d)	Welding procedures located on site where welding is performed? <b>****Notes – No welding was being performed at the time of inspection****</b>			X	
201.	480-93-080(1)(b)	Use of testing equipment to record and document essential variables <b>****Notes – No welding was being performed at the time of inspection****</b>			X	
202.	480-93-080(2)(a)	Plastic procedures located on site where welding is performed? <b>****Notes – No fusing was being performed at the time of inspection****</b>			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. <b>****Notes – No fusing was being performed at the time of inspection****</b>			X	
204.	480-93-013	Personnel performing “New Construction” covered tasks OQ qualified? <b>****Notes – No fusing was being performed at the time of inspection****</b>			X	
205.	480-93-015(1)	Odorization	X			
206.	480-93-018(3)	Updated records, inc maps and drawings made available to appropriate operations personnel?	X			
207.	192.179	Valve Protection from Tampering or Damage	X			
208.	192.455	Pipeline coatings meet requirements of 192.461 ( <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			

**Utilities and Transportation Commission  
Standard Inspection Report for Intrastate Gas Distribution Systems  
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PIPELINE INSPECTION (Field)			S	U	N/A	N/C
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)	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 <b>45 days</b> ?	X			
223.	192.719	Pre-pressure Tested Pipe ( <b>Markings and Inventory</b> ) <b>***Notes - No pretested pipe***</b>			X	
224.	192.195	Overpressure protection designed and installed where required?	X			
225.	192.739/743	Pressure Limiting and Regulating Devices ( <b>Mechanical/Capacities</b> )	X			
226.	192.741	Telemetry, Recording Gauges	X			
227.	192.751	Warning Signs	X			
228.	192.355	Customer meters and regulators. Protection from damage	X			
229.	192.355(c)	Pits and vaults: Able to support vehicular traffic where anticipated.	X			
230.	480-93-140	Service regulators installed, operated and maintained per state/fed regs and manufacturers recommended practices?	X			
231.	480-93-178(2)	Plastic Pipe Storage facilities – Maximum Exposure to Ultraviolet Light (2yrs)	X			
232.	480-93-178(4)	Minimum Clearances from other utilities. For parallel lines a minimum of twelve inches. Where a minimum twelve inches of separation is not possible, must take adequate precautions, such as inserting the plastic pipeline in conduit, to minimize any potential hazards.	X			
233.	480-93-178(5)	Minimum Clearances from other utilities. For perpendicular lines a minimum of six inches of separation from the other utilities. Where a minimum six inches of separation is not possible, must take adequate precautions, such as inserting the plastic pipeline in conduit, to minimize any potential hazards	X			
234.	480-93-178(6)	Are there Temporary above ground PE pipe installations currently? <b>Yes No X</b>				
235.	480-93-178(6)(a)	If yes, is facility monitored and protected from potential damage?	X			
236.	480-93-178(6)(b)	If installation exceeded 30 days, was commission staff notified prior to exceeding the deadline?	X			
237.	192.745	Valve Maintenance (Transmission)	X			
238.	192.747	Valve Maintenance (Distribution)	X			

**Facility Sites Visited: \*\*\*Please see optional field data collection form\*\*\***

Facility Type	Facility ID Number	Location

**Comments:**



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**Comments:**

R-4 - Camp Creek Road W of Brook Drive, Montesano, Wa

There were sections of dis-bonded coating and some external corrosion present needing evaluation on the line pipe.

The operating run had corrosion needing evaluation on a welded pipe nipple and the outlet valve housing.

There was a chart box that was bolted to the manifold and the operator could not confirm if it was removed during the last atmospheric corrosion survey.

R-10 - McCleary-Sine Rd at Williams Pipeline, McCleary, Wa

There were sections of dis-bonded coating and some external corrosion present needing evaluation on the line pipe.

R-38 – Old Olympic Highway at Kitsap Peninsula Line, Shelton, Wa

There was a chart box that was bolted to the manifold and the operator could not confirm if it was removed during the last atmospheric corrosion survey.

R-15 – Shelton Springs Rd at Kitsap Peninsula Line, Shelton, Wa

The over pressure protection (relief) failed to function at this location during the field portion of the inspection.

There were sections of dis-bonded coating and some external corrosion present needing evaluation on the line pipe.

R-34 – Shelton Springs Rd at Wallace Blvd, Shelton, Wa

R-15 was within the same station and it was noted as having more corrosion than R-34, but the operator stated that both stations are scheduled to be cleaned, evaluated for corrosion, and properly coated.-

**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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239. .605(b)		<b>COMPRESSOR STATION PROCEDURES</b>	<b>S</b>	<b>U</b>	<b>N/A</b>	<b>N/C</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 ( <b>1 per yr/15 months</b> ), 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 <b>NFPA #30</b>			X	
245.		.736 Compressor buildings in a compressor station must have fixed gas detection and alarm systems ( <b>must be performance tested</b> ), unless:			X	
246.		• <b>50% of the upright side areas</b> are permanently open, or			X	
247.		• It is an unattended field compressor station of <b>1000 hp or less</b>			X	

**Comments:**  
 238-247 No compressor stations

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

**Comments:**  
 248 – 250 No compressor stations

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

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COMPRESSOR STATIONS INSPECTION (Field)			S	U	N/A	N/C
(Note: Facilities may be “Grandfathered”)						
260.		If slugs of liquid could be carried into the compressors, are there automatic dumps on the separators, Automatic compressor shutdown devices, or high liquid level alarms?				
261.	.167 (a)	ESD system must:				
262.		- Discharge blowdown gas to a safe location				
263.		- Block and blow down the gas in the station				
264.		- Shut down gas compressing equipment, gas fires, electrical facilities in compressor building and near gas headers				
265.		- Maintain necessary electrical circuits for emergency lighting and circuits needed to protect equipment from damage				
266.		ESD system must be operable from at least two locations, each of which is:				
267.	.167	- Outside the gas area of the station				
268.		- Not more than 500 feet from the limits of the station				
269.		- ESD switches near emergency exits?				
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?				
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%?				
274.		▪ An uncontrolled fire occurs on the platform?				
275.		- For compressor station in a building, when				
276.		▪ An uncontrolled fire occurs in the building?				
277.		▪ Gas in air reaches 50% or more of LEL in a building with a source of ignition (facility conforming to <b>NEC Class 1, Group D</b> is not a source of ignition)?				
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.				
279.	(b)	Do the compressor station prime movers (other than electrical movers) have over-speed shutdown?				
280.	(c)	Do the compressor units alarm or shutdown in the event of inadequate cooling or lubrication of the unit(s)?				
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?				
282.	(e)	Are the mufflers equipped with vents to vent any trapped gas?				
283.	.173	Is each compressor station building adequately ventilated?				
284.	.457	Is all buried piping cathodically protected?				
285.	.481	Atmospheric corrosion of aboveground facilities				
286.	.603	Does the operator have procedures for the start-up and shut-down of the station and/or compressor units?				
287.		Are facility maps current/up-to-date?				
288.	.615	Emergency Plan for the station on site?				
289.	.619	Review pressure recording charts and/or SCADA				
290.	.707	Markers				
291.	.731	Overpressure protection – relief’s or shutdowns				
292.	.735	Are combustible materials in quantities exceeding normal daily usage, stored a safe distance from the compressor building?				

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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 <b>NFPA standard No. 30?</b>				
294.	.736	Gas detection – location				

**Comments:**  
 251-294 No compressor stations