

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

A completed **Standard Inspection Checklist, OQ Field Validation Protocol form and Cover Letter/Field Report** are to be submitted to the Chief Engineer within **30 days** from completion of the inspection.

Inspection Report			
Docket Number	Insp ID 2588		
Inspector Name & Submit Date	Lex Vinsel 05/22/2012		
Chief Eng Name & Review/Date	Joe Subsits, 5/24/2012		
Operator Information			
Name of Operator:	Cascade Natural Gas Corp.	OP ID #:	2128
Name of Unit(s):	Wenatchee WA		
Records Location:	205 E 7 th St Wenatchee WA		
Date(s) of Last (unit) Inspection:	August 2010	Inspection Date(s):	April 30 – May 9, 2012

<p>Inspection Summary:</p> <p>Inspection included records review and field inspection for Cascade Natural Gas District Wenatchee & Moses Lake.</p>

<p>HQ Address: Kennewick WA 8113 W Grandridge Blvd 99336</p>	<p>System/Unit Name & Address: Wenatchee District Wenatchee WA 205 N 7th</p>	
<p>Co. Official: Eric Martuscelli VP Operations Phone No.: 509-734-4585 Fax No.: 208-377-6097 Emergency Phone No.: 1-888-522-1130</p>	<p>Phone No.: 509-662-0615 Fax No.: 509-662-0661 Emergency Phone No.: 1-888-522-1130</p>	
Persons Interviewed	Title	Phone No.
Mike Eutsey	Pipeline Safety Specialist	1-509-504-4269
Tina Beach	Manager of Standards and Compliance	1-206-445-4121
Sam Grant	Wenatchee District Manager	1-509-504-4269
Chris Grissom	Pipeline Safety Specialist	1-509-531-6427

<p>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.</p> <p>(check one below and enter appropriate date)</p>			
<input checked="" type="checkbox"/>	Team inspection was performed (Within the past five years.) or,	Date:	August 2010
<input type="checkbox"/>	Other WUTC Inspector reviewed the O & M Manual (Since the last yearly review of the manual by the operator.)	Date:	

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S – Satisfactory U – Unsatisfactory N/A – Not Applicable N/C – Not Checked
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GAS SYSTEM OPERATIONS			
Gas Supplier		Williams	
Services: <i>Residential 3327 Commercial 1387 Industrial 58 Other 0</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		1	
Number of third party hits last year		3	
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)		None	
Operating Pressure(s):		MAOP (Within last year)	Actual Operating Pressure (At time of Inspection)
Feeder:	O-5, R-58	500 PSIG	
Town:	Othello		
Feeder:	O-06, R-2	60 PSIG	45 PSIG
Town:	Quincy		
Feeder:	O-7, R-40	60 PSIG	52 PSIG
Town:	KB Alloys		
Feeder:	O-8, R-36	60 PSIG	56 PSIG
Town:	Malaga		
Feeder:	O-10, R-3*	47 PSIG	45 PSIG
Town:	Moses Lake		
Feeder:	O-11		
Town:	No cascade equipment beyond odorizer		
Other:			
Does the operator have any transmission pipelines?		NO	
Compressor stations? Use Attachment 1.		NO	

Pipe Specifications:			
Year Installed (Range)	Pre-CNGC to Present	Pipe Diameters (Range)	½” to 8”
Material Type	Both plastic and steel	Line Pipe Specification Used	HDPE, MDPE, X42, X52
Mileage	3677 miles total per GIS	SMYS %	Under 20%

Operator Qualification Field Validation
Important: Per OPS, the OQ Field Inspection Protocol Form (Rev 3, Feb 08) shall be used by the inspector as part of this standard inspection. When completed, the inspector will upload this information into the PHMSA OQ Database (OQDB) located at http://primis.phmsa.dot.gov/oqdb/home.oq Date Completed May 22, 2012

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: No transmission line in this district.

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

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	3/19/2010. Do not ask the company to have a drug and alcohol expert available for this portion of your inspection. Drug and Alcohol program review and Form 13 were completed for Cascade Natural Gas Corporation, during Transmission Audit April 10-16, 2012 by Dave Cullom.				
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REPORTING RECORDS			S	U	N/A	N/C
1.	49 U.S.C. 60132, Subsection (b)	For Gas Transmission Pipelines and LNG Plants. Submission of Data to the National Pipeline Mapping System Under the Pipeline Safety Improvement Act of 2002 Updates to NMPS: Operators are required to make update submissions every 12 months if any system modifications have occurred. <u>If no modifications have occurred since the last complete submission (including operator contact information), send an email to opsgis@rspa.dot.gov stating that fact.</u> Include operator contact information with all updates. None in district			X	
2.	RCW 81.88.080	Pipeline Mapping System: Has the operator provided accurate maps (or updates) of pipelines, operating over two hundred fifty pounds per square inch gauge, to specifications developed by the commission sufficient to meet the needs of first responders?	X			
3.	191.5	Immediate Notice of certain incidents to NRC (800) 424-8802, or electronically at http://www.nrc.uscg.mil/nrchp.html, and additional report if significant new information becomes available. Operator must have a written procedure for calculating an initial estimate of the amount of product released in an accident.	X			
4.	191.7	Reports (except SRCR and offshore pipeline condition reports) must be submitted electronically to PHMSA at https://opsweb.phmsa.dot.gov at unless an alternative reporting method is authorized IAW with paragraph (d) of this section. None			X	
5.	191.15(a)	30-day follow-up written reports to PHMSA (Form F7100.2) Submittal must be electronically to http://pipelineonlinereporting.phmsa.dot.gov None			X	
6.	191.15(c)	Supplemental report (to 30-day follow-up) None			X	
7.	191.17	Complete and submit DOT Form PHMSA F 7100-2.1 by March 15 of each calendar year for the preceding year. (NOTE: June 15, 2011 for the year 2010). None – No Transmission Lines in district.			X	
8.	191.22	Each operator must obtain an OPID, validate its OPIDs, and notify PHMSA of certain events at #2128	X			
9.	191.23	Filing the Safety Related Condition Report (SRCR) None			X	
10.	191.25	Filing the SRCR within 5 days of determination, but not later than 10 days after discovery None			X	
11.	.605(d)	Instructions to enable operation and maintenance personnel to recognize potential Safety Related Conditions CP 720	X			
12.	191.27	Offshore pipeline condition reports – filed within 60 days after the inspections None			X	
13.	192.727(g)	Abandoned facilities offshore, onshore crossing commercially navigable waterways reports None			X	
14.	480-93-200(1)	Telephonic Reports to UTC Pipeline Safety Incident Notification 1-888-321-9146 (Within 2 hours) for events which results in;				
15.	480-93-200(1)(a)	A fatality or personal injury requiring hospitalization; None			X	
16.	480-93-200(1)(b)	Damage to property of the operator and others of a combined total exceeding fifty thousand dollars; None			X	
17.	480-93-200(1)(c)	The evacuation of a building, or high occupancy structures or areas; PUD* – Moses Lake	X			
18.	480-93-200(1)(d)	The unintentional ignition of gas; None			X	
19.	480-93-200(1)(e)	The unscheduled interruption of service furnished by any operator to twenty five or more distribution customers; None			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; None			X	
21.	480-93-200(1)(g)	Is significant, in the judgment of the operator, even though it does not meet the criteria of (a) through (f) of this subsection; Jan 29, 2011 – Regulator Ice over resulted in 1 pound over MAOP.	X			

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REPORTING RECORDS			S	U	N/A	N/C
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; March 21, 2011 – PUD*	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; None			X	
25.	480-93-200(2)(c)	A gas pipeline operating at low pressure dropping below the safe operating conditions of attached appliances and gas equipment; or None			X	
26.	480-93-200(2)(d)	A gas pipeline pressure exceeding the MAOP January 29, 2011 – 1 PSIG over MAOP	X			
27.	480-93-200(4)	Did written incident reports (within 30 days of telephonic notice) include the following				
28.	480-93-200(4)(a)	Name(s) and address(es) of any person or persons injured or killed, or whose property was damaged;	X			
29.	480-93-200(4)(b)	The extent of injuries and damage;	X			
30.	480-93-200(4)(c)	A description of the incident or hazardous condition including the date, time, and place, and reason why the incident occurred. If more than one reportable condition arises from a single incident, each must be included in the report;	X			
31.	480-93-200(4)(d)	A description of the gas pipeline involved in the incident or hazardous condition, the system operating pressure at that time, and the MAOP of the facilities involved;	X			
32.	480-93-200(4)(e)	The date and time the gas pipeline company was first notified of the incident;	X			
33.	480-93-200(4)(f)	The date and time the ((operator's)) gas pipeline company's first responders arrived on-site;	X			
34.	480-93-200(4)(g)	The date and time the gas ((facility)) pipeline was made safe;	X			
35.	480-93-200(4)(h)	The date, time, and type of any temporary or permanent repair that was made;	X			
36.	480-93-200(4)(i)	The cost of the incident to the ((operator)) gas pipeline company;	X			
37.	480-93-200(4)(j)	Line type;	X			
38.	480-93-200(4)(k)	City and county of incident; and	X			
39.	480-93-200(4)(l)	Any other information deemed necessary by the commission.	X			
40.	480-93-200(5)	Supplemental report if required information becomes available after 30 day report submitted None			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 None	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 March 8, 2012	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; 2010 - 2446 with 2 Damages 2011 – 3108 with 3 Damages 2012 – 633 with 1 Damage	X			
46.	480-93-200(7)(b)(ii)	Number of third-party damages incurred; and 6	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 - March 21, 2011 - PUD (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. None			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			

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REPORTING RECORDS			S	U	N/A	N/C
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 HR 1020			X	

Comments:

CUSTOMER and EXCESS FLOW VALVE INSTALLATION NOTIFICATION			S	U	N/A	N/C
52.	192.16	Customer notification - Customers notified, within 90 days , of their responsibility for those service lines not maintained by the operator	X			
53.	192.381	Does the excess flow valve meet the performance standards prescribed under §192.381?	X			
54.	192.383	Does the operator have an installation and reporting program for excess flow valves and does the program meet the requirements outlined in §192.383? Are records adequate?	X			

Comments:

CONSTRUCTION RECORDS			S	U	N/A	N/C
55.	480-93-013	OQ records for personnel performing New Construction covered tasks	X			
56.	192.225	Test Results to Qualify Welding Procedures	X			
57.	192.227	Welder Qualification	X			
58.	480-93-080(1)(b)	Appendix C Welders re-qualified 2/Yr (7.5Months) None			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 None			X	
61.	480-93-080(2)(c)	Tracking Production Joints or Re-qualify joiners 1/Yr (12Months)			X	
62.	480-93-115(2)	Test leads on casings (without vents) installed after 9/05/1992 None			X	
63.	480-93-115(3)	Sealing ends of casings or conduits on transmission lines and mains Yes – Link Seal			X	
64.	480-93-115(4)	Sealing ends (nearest building wall) of casings or conduits on services No longer install casings.			X	
65.	192.241(a)	Visual Weld Inspector Training/Experience	X			
66.	192.243(b)(2)	Nondestructive Technician Qualification	X			
67.	192.243(c)	NDT procedures	X			
68.	192.243(f)	Total Number of Girth Welds - 5	X			
69.	192.243(f)	Number of Welds Inspected by NDT - 7	X			
70.	192.243(f)	Number of Welds Rejected - 0	X			

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CONSTRUCTION RECORDS			S	U	N/A	N/C
71.	192.243(f)	Disposition of each Weld Rejected None			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 None	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 None			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: None			X	
78.	480-93-160(2)(a)	Description and purpose of the proposed pipeline; None			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. None			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 Upgrade only			X	
81.	480-93-160(2)(d)	MAOP for the gas pipeline being constructed; None			X	
82.	480-93-160(2)(e)	Location and construction details of all river crossings or other unusual construction requirements encountered en route. None			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; Rectifier	X			
84.	480-93-160(2)(g)	Welding specifications; and	X			
85.	480-93-160(2)(h)	Bending procedures to be followed if needed. None			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 ? None			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? 2	X			
89.	480-93-170(10)	Pressure Testing Equipment checked for accuracy/intervals (Manufacturers Rec or Operators schedule) Yes	X			
90.	480-93-175(2)	Study prepared and approved prior to moving and lowering of metallic pipelines $>$ 60 psig None			X	
91.	480-93-175(4)	Leak survey within 30 days of moving or lowering pipelines \leq 60 psig None			X	

Comments:

OPERATIONS and MAINTENANCE RECORDS			S	U	N/A	N/C
92.	192.517(a)	Pressure Testing (operates at or above 100 psig) – useful life of pipeline None			X	

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OPERATIONS and MAINTENANCE RECORDS			S	U	N/A	N/C
93.	192.517(b)	Pressure Testing (operates below 100 psig, service lines, plastic lines) – 5 years Reviewed pressure tests	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 (NOTED in OQ procedure CP 503)	X			
95.	192.605(b)(3)	Availability of construction records, maps, operating history to operating personnel	X			
96.	480-93-018(3)	Records, including maps and drawings updated within 6 months of completion of construction activity? Reviewed 5 locations	X			
97.	192.605(b)(8)	Periodic review of personnel work – effectiveness of normal O&M procedures	X			
98.	192.605(c)(4)	Periodic review of personnel work – effectiveness of abnormal operation procedures. Procedures are reviewed during monthly safety meetings.	X			
99.	192.609	Class Location Study (If applicable) None			X	
100.	192.611	Confirmation or revision of MAOP None			X	
101.	192.614	Damage Prevention (Operator Internal Performance Measures)				
102.		Does the operator have a quality assurance program in place for monitoring the locating and marking of facilities? Do operators conduct regular field audits of the performance of locators/contractors and take action when necessary? (CGA Best Practices v. 6.0, Best Practice 4-18. Recommended only, not required) No Contractors			X	
103.		Does operator including performance measures in facility locating services contracts with corresponding and meaningful incentives and penalties? Not using Contractors			X	
104.		Do locate contractors address performance problems for persons performing locating services through mechanisms such as re-training, process change, or changes in staffing levels? Not using Contractors			X	
105.		Does the operator periodically review the Operator Qualification plan criteria and methods used to qualify personnel to perform locates?	X			
106.		Review operator locating and excavation <u>procedures</u> for compliance with state law and regulations.	X			
107.		Are locates are being made within the timeframes required by state law and regulations? Examine record sample. Reviewed 10 records	X			
108.		Are locating and excavating personnel properly <u>qualified</u> in accordance with the operator’s Operator Qualification plan and with federal and state requirements?	X			
109.		Follow-up inspection performed on the pipeline where there is reason to believe the pipeline could be damaged .614(c) (6) 1. Is the inspection done as frequently as necessary during and after the activities to verify the integrity of the pipeline? CNG 625 2. In the case of blasting, does the inspection include leakage surveys?	X			
110.			Informational purposes only. Not Required. Does the pipeline operator voluntarily submit pipeline damage statistics into the UTC Damage Information Reporting Tool (DIRT)? Operator may register at https://identity.damagereporting.org/cgareg/control/login.do Y X N	X		

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		Emergency Response Plans	S	U	N/A	N/C																										
111.																																
112.	192.603(b)	Prompt and effective response to each type of emergency .615(a)(3) Note: Review operator records of previous accidents and failures including third-party damage and leak response	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	X																													
117.	192.616	Public Awareness Program																														
118.	192.616(e&f)	Documentation properly and adequately reflects implementation of operator’s Public Awareness Program requirements - Stakeholder Audience identification, message type and content, delivery method and frequency, supplemental enhancements, program evaluations, etc. (i.e. contact or mailing rosters, postage receipts, return receipts, audience contact documentation, etc. for emergency responder, public officials, school superintendents, program evaluations, etc.). See table below:	X																													
119.		Operators in existence on June 20, 2005, must have completed their written programs no later than June 20, 2006. See 192.616(a) and (j) for exceptions.																														
120.		API RP 1162 Baseline* Recommended Message Deliveries																														
121.		<table border="1"> <thead> <tr> <th align="center">Stakeholder Audience (LDC’s)</th> <th align="center">Baseline Message Frequency (starting from effective date of Plan)</th> </tr> </thead> <tbody> <tr> <td>Residence Along Local Distribution System</td> <td>Annual CNG bill stuffers in sharepoint</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 PAPA 2011</td> </tr> <tr> <td>Emergency Officials</td> <td>Annual PAPA 2009, 2010, 2011</td> </tr> <tr> <td>Public Officials</td> <td>3 years PAPA 2009, 2010, 2011</td> </tr> <tr> <td>Excavator and Contractors</td> <td>Annual PAPA 2009, 2010, 2011</td> </tr> <tr> <th align="center">Stakeholder Audience (Transmission line operators) Yes</th> <th align="center">Baseline Message Frequency (starting from effective date of Plan)</th> </tr> <tr> <td>Residence Along Local Distribution System</td> <td>2 years PARADGM AND CELERATIS SEE SHAREPOINT</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 CNG bill stuffers in sharepoint	LDC Customers	Twice annually	One-Call Centers	As required of One-Call Center PAPA 2011	Emergency Officials	Annual PAPA 2009, 2010, 2011	Public Officials	3 years PAPA 2009, 2010, 2011	Excavator and Contractors	Annual PAPA 2009, 2010, 2011	Stakeholder Audience (Transmission line operators) Yes	Baseline Message Frequency (starting from effective date of Plan)	Residence Along Local Distribution System	2 years PARADGM AND CELERATIS SEE SHAREPOINT	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. Yes, Information is also provided in Spanish.	X																													

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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) Baseline completed in 2010, next review in 2014, effectiveness measurements added to collaborative in 2011	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. NONE	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) Reviewed records for 3 third party hits.	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) No PA-11 in system at this time.			X	
128.	480-93-015(1)	Odorization of Gas – Concentrations adequate	X			
129.	480-93-015(2)	Monthly Odorant Sniff Testing CP 747	X			
130.	480-93-015(3)	Prompt action taken to investigate and remediate odorant concentrations not meeting the minimum requirements	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? 1/yr(15 months)	X			
133.	480-93-124(4)	Markers reported missing or damaged replaced within 45 days?	X			
134.	480-93-140(2)	Service regulators and associated safety devices tested during initial turn-on	X			
135.	480-93-155(1)	Up-rating of system MAOP to >60 psig? Procedures and specifications submitted 45 days prior? NONE			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; NONE			X	
138.	480-93-185(3)(b)	Leaks originating from a foreign source reported promptly/notification by mail. Records retained? NONE			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)	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) Detection instrument number and calibration date on Leak Record.	X															
144.	480-93-188(3)	Leak survey frequency (Refer to Table Below)	X															
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">Business Districts (implement by 6/02/07)</td> <td style="width:50%; text-align:center;">1/yr (15 months)</td> </tr> <tr> <td>High Occupancy Structures</td> <td style="text-align:center;">1/yr (15 months)</td> </tr> <tr> <td>Pipelines Operating ≥ 250 psig</td> <td style="text-align:center;">1/yr (15 months)</td> </tr> <tr> <td>Other Mains: CI, WI, copper, unprotected steel</td> <td style="text-align:center;">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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High Occupancy Structures	1/yr (15 months)																	
Pipelines Operating ≥ 250 psig	1/yr (15 months)																	
Other Mains: CI, WI, copper, unprotected steel	2/yr (7.5 months)																	
145.	480-93-188(4)(a)	Special leak surveys - Prior to paving or resurfacing, following street alterations or repairs NONE			X													
146.	480-93-188(4)(b)	Special leak surveys - areas where substructure construction occurs adjacent to underground gas facilities, and damage could have occurred NONE			X													
147.	480-93-188(4)(c)	Special leak surveys - Unstable soil areas where active gas lines could be affected NONE			X													
148.	480-93-188(4)(d)	Special leak surveys - areas and at times of unusual activity, such as earthquake, floods, and explosions NONE			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															
151.	480-93-188(6)	Leak program - Self Audits One every 3rd year	X															
152.	192.709	Patrolling (Transmission Lines) (Refer to Table Below) .705 No Transmission			X													
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:33%;">Class Location</th> <th style="width:33%;">At Highway and Railroad Crossings</th> <th style="width:33%;">At All Other Places</th> </tr> <tr> <td align="center">1 and 2</td> <td align="center">2/yr (7½ months)</td> <td align="center">1/yr (15 months)</td> </tr> <tr> <td align="center">3</td> <td align="center">4/yr (4½ months)</td> <td align="center">2/yr (7½ months)</td> </tr> <tr> <td align="center">4</td> <td align="center">4/yr (4½ months)</td> <td align="center">4/yr (4½ months)</td> </tr> </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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3	4/yr (4½ months)	2/yr (7½ months)																
4	4/yr (4½ months)	4/yr (4½ months)																
153.	192.709	Leak Surveys (Transmission Lines) (Refer to Table Below) .706 No Transmission			X													
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:33%;">Class Location</th> <th style="width:33%;">Required</th> <th style="width:33%;">Not Exceed</th> </tr> <tr> <td align="center">1 and 2</td> <td align="center">1/yr</td> <td align="center">15 months</td> </tr> <tr> <td align="center">3</td> <td align="center">2/yr</td> <td align="center">7½ months</td> </tr> <tr> <td align="center">4</td> <td align="center">4/yr</td> <td align="center">4½ months</td> </tr> </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)	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) <ul style="list-style-type: none"> • Outside Business District (5 years) • Cathodically unprotected distribution lines (3 years) 	X															
158.	192.603(b)	Tests for Reinstating Service Lines 192.725	X															
159.	192.603(b)/.727(g)	Abandoned Pipelines; Underwater Facility Reports 192.727 None			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	X															
162.	192.709	Valve Maintenance – Transmission (1 per yr/15 months) .745 No Transmission			X													
163.	192.709	Valve Maintenance – Distribution (1 per yr/15 months) .747	X															
164.	480-93-100(3)	Service valve maintenance (1 per yr/15 months)	X															

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165.	192.709	Vault maintenance (≥200 cubic feet)(1 per yr/15 months) .749 Annual	X			
166.	192.603(b)	Prevention of Accidental Ignition (hot work permits) .751 CP 607.03 & 635.02	X			
167.	192.603(b)	Welding – Procedure 192.225(b) CP 760	X			
168.	192.603(b)	Welding – Welder Qualification 192.227/.229	X			
169.	192.603(b)	NDT – NDT Personnel Qualification .243(b)(2)	X			
170.	192.709	NDT Records (pipeline life) .243(f)	X			
171.	192.709	Repair: pipe (pipeline life); Other than pipe (5 years)	X			
172.	192.905(c)	Periodically examining their transmission line routes for the appearance of newly identified area's (HCA's) No Transmission				X

Comments:

CORROSION CONTROL RECORDS			S	U	N/A	N/C
173.	192.455(a)(1)	Pipeline coatings meet requirements of 192.461 (<i>for buried pipelines installed after 7/31/71</i>)	X			
174.	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			
175.	192.465(a)	Annual Pipe-to-soil Monitoring (1 per yr/15 months) for short sections (10% per year; all in 10 years)	X			
176.	192.491	Test Lead Maintenance .471	X			
177.	192.491	Maps or Records .491(a)	X			
178.	192.491	Examination of Buried Pipe when exposed .459	X			
179.	480-93-110(8)	CP test reading on all exposed facilities where coating has been removed None			X	
180.	192.491	Annual Pipe-to-soil monitoring (1 per yr/15 months) .465(a) Reviewed 2010-2011	X			
181.	192.491	Rectifier Monitoring (6 per yr/2½ months) .465(b) Reviewed 2010-2011	X			
182.	192.491	Interference Bond Monitoring – Critical (6 per yr/2½ months) .465(c) None			X	
183.	192.491	Interference Bond Monitoring – Non-critical (1 per yr/15 months) .465(c) None			X	
184.	480-93-110(2)	Remedial action taken within 90 days (Up to 30 additional days if other circumstances. Must document) .465(d)	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) None			X	
187.	192.491	Electrical Isolation (Including Casings) .467	X			
188.	480-93-110(5)	Casings inspected/tested annually not to exceed fifteen months	X			
189.	480-93-110(5)(a)	Casings w/no test leads installed prior to 9/05/1992. Demonstrate other acceptable test methods	X			
190.	480-93-110(5)(b)	Possible shorted conditions – Perform confirmatory follow-up inspection within 90 days	X			
191.	480-93-110(5)(c)	Casing shorts cleared when practical	X			
192.	480-93-110(5)(d)	Shorted conditions leak surveyed within 90 days of discovery. Twice annually/7.5 months	X			

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CORROSION CONTROL RECORDS			S	U	N/A	N/C
193.	192.491	Interference Currents .473 None			X	
194.	192.491	Internal Corrosion; Corrosive Gas Investigation .475(a) None			X	
195.	192.491	Internal Corrosion; Internal Surface Inspection; Pipe Replacement .475(b)	X			
196.	192.491	Internal Corrosion Control Coupon Monitoring (2 per yr/7½ months) .477 None			X	
197.	192.491	Atmospheric Corrosion Control Monitoring (1 per 3 cal yr/39 months onshore; 1 per yr/15 months offshore) .481	X			
198.	192.491	Remedial: Replaced or Repaired Pipe; coated and protected; corrosion evaluation and actions .483/485			X	

Comments:

PIPELINE INSPECTION (Field)			S	U	N/A	N/C
199.	192.161	Supports and anchors	X			
200.	480-93-080(1)(d)	Welding procedures located on site where welding is performed?	X			
201.	480-93-080(1)(b)	Use of testing equipment to record and document essential variables	X			
202.	480-93-080(2)(a)	Plastic procedures located on site where welding is performed?	X			
203.	480-93-080(3)	Identification and qualification cards/certificates w/name of welder/joiner, their qualifications, date of qualification and operator whose qualification procedures were followed.	X			
204.	480-93-013	Personnel performing “New Construction” covered tasks OQ qualified?	X			
205.	480-93-015(1)	Odorization	X			
206.	480-93-018(3)	Updated records, inc maps and drawings made available to appropriate operations personnel?	X			
207.	192.179	Valve Protection from Tampering or Damage	X			
208.	192.455	Pipeline coatings meet requirements of 192.461 (<i>for buried pipelines installed after 7/31/71</i>)	X			
209.	192.463	Levels of cathodic protection	X			
210.	192.465	Rectifiers	X			
211.	192.467	CP - Electrical Isolation	X			
212.	192.476	Systems designed to reduce internal corrosion	X			
213.	192.479	Pipeline Components exposed to the atmosphere	X			
214.	192.481	Atmospheric Corrosion: monitoring	X			
215.	192.491	Test Stations – Sufficient Number .469	X			
216.	480-93-115(2)	Casings – Test Leads (casings w/o vents installed after 9/05/1992)	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? Don’t use casings or conduit			X	
219.	192.605(a)	Appropriate parts of manuals kept at locations where O&M activities are conducted	X			
220.	192.605	Knowledge of Operating Personnel	X			
221.	480-93-124	Pipeline markers	X			
222.	480-93-124(4)	Markers reported missing or damaged replaced within 45 days?	X			

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PIPELINE INSPECTION (Field)			S	U	N/A	N/C
223.	192.719	Pre-pressure Tested Pipe (Markings and Inventory)	X			
224.	192.195	Overpressure protection designed and installed where required?	X			
225.	192.739/743	Pressure Limiting and Regulating Devices (Mechanical/Capacities)	X			
226.	192.741	Telemetry, Recording Gauges	X			
227.	192.751	Warning Signs	X			
228.	192.355	Customer meters and regulators. Protection from damage	X			
229.	192.355(c)	Pits and vaults: Able to support vehicular traffic where anticipated.	X			
230.	480-93-140	Service regulators installed, operated and maintained per state/fed regs and manufacturers recommended practices?	X			
231.	480-93-178(2)	Plastic Pipe Storage facilities – Maximum Exposure to Ultraviolet Light (2yrs) All plastic pipe is stored inside.	X			
232.	480-93-178(4)	Minimum Clearances from other utilities. For parallel lines a minimum of twelve inches. Where a minimum twelve inches of separation is not possible, must take adequate precautions, such as inserting the plastic pipeline in conduit, to minimize any potential hazards.	X			
233.	480-93-178(5)	Minimum Clearances from other utilities. For perpendicular lines a minimum of six inches of separation from the other utilities. Where a minimum six inches of separation is not possible, must take adequate precautions, such as inserting the plastic pipeline in conduit, to minimize any potential hazards	X			
234.	480-93-178(6)	Are there Temporary above ground PE pipe installations currently? Yes No X				
235.	480-93-178(6)(a)	If yes, is facility monitored and protected from potential damage?			X	
236.	480-93-178(6)(b)	If installation exceeded 30 days, was commission staff notified prior to exceeding the deadline? None			X	
237.	192.745	Valve Maintenance (Transmission) None			X	
238.	192.747	Valve Maintenance (Distribution)	X			

Facility Sites Visited:

Facility Type	Facility ID Number	Location
Regulator	R36	Malaga
Odorant Station	O-06	Quincy
Regulator	R-3	Moses Lake

Comments:

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

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

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

Attachment 1

Distribution Operator Compressor Station Inspection

Unless otherwise noted, all code references are to 49CFR Part 192. S – Satisfactory U – Unsatisfactory N/A – Not Applicable N/C – Not Checked
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239. .605(b)		COMPRESSOR STATION PROCEDURES	S	U	N/A	N/C
240.		.605(b)(6) Maintenance procedures, including provisions for isolating units or sections of pipe and for purging before returning to service			X	
241.		.605(b)(7) Starting, operating, and shutdown procedures for gas compressor units			X	
242.		.731 Inspection and testing procedures for remote control shutdowns and pressure relieving devices (1 per yr/15 months), prompt repair or replacement			X	
243.		.735 (a) Storage of excess flammable or combustible materials at a safe distance from the compressor buildings			X	
244.		(b) Tank must be protected according to NFPA #30			X	
245.		.736 Compressor buildings in a compressor station must have fixed gas detection and alarm systems (must be performance tested), unless:			X	
246.		• 50% of the upright side areas are permanently open, or			X	
247.		• It is an unattended field compressor station of 1000 hp or less			X	

Comments:
No compressor stations in district

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

Comments:
No compressor stations in district

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

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COMPRESSOR STATIONS INSPECTION (Field)			S	U	N/A	N/C
(Note: Facilities may be “Grandfathered”)						
260.		If slugs of liquid could be carried into the compressors, are there automatic dumps on the separators, Automatic compressor shutdown devices, or high liquid level alarms?			X	
261.	.167 (a)	ESD system must:				
262.		- Discharge blowdown gas to a safe location			X	
263.		- Block and blow down the gas in the station			X	
264.		- Shut down gas compressing equipment, gas fires, electrical facilities in compressor building and near gas headers			X	
265.		- Maintain necessary electrical circuits for emergency lighting and circuits needed to protect equipment from damage			X	
266.		ESD system must be operable from at least two locations, each of which is:				
267.	.167	- Outside the gas area of the station			X	
268.		- Not more than 500 feet from the limits of the station			X	
269.		- ESD switches near emergency exits?			X	
270.	(b)	For stations supplying gas directly to distribution systems, is the ESD system configured so that the LDC will not be shut down if the ESD is activated?			X	
271.	(c)	Are ESDs on platforms designed to actuate automatically by...				
272.		- For unattended compressor stations, when:				
273.		▪ The gas pressure equals MAOP plus 15%?			X	
274.		▪ An uncontrolled fire occurs on the platform?			X	
275.		- For compressor station in a building, when				
276.		▪ An uncontrolled fire occurs in the building?			X	
277.		▪ Gas in air reaches 50% or more of LEL in a building with a source of ignition (facility conforming to NEC Class 1, Group D is not a source of ignition)?			X	
278.	.171 (a)	Does the compressor station have adequate fire protection facilities? If fire pumps are used, they must not be affected by the ESD system.			X	
279.	(b)	Do the compressor station prime movers (other than electrical movers) have over-speed shutdown?			X	
280.	(c)	Do the compressor units alarm or shutdown in the event of inadequate cooling or lubrication of the unit(s)?			X	
281.	(d)	Are the gas compressor units equipped to automatically stop fuel flow and vent the engine if the engine is stopped for any reason?			X	
282.	(e)	Are the mufflers equipped with vents to vent any trapped gas?			X	
283.	.173	Is each compressor station building adequately ventilated?			X	
284.	.457	Is all buried piping cathodically protected?			X	
285.	.481	Atmospheric corrosion of aboveground facilities			X	
286.	.603	Does the operator have procedures for the start-up and shut-down of the station and/or compressor units?			X	
287.		Are facility maps current/up-to-date?			X	
288.	.615	Emergency Plan for the station on site?			X	
289.	.619	Review pressure recording charts and/or SCADA			X	
290.	.707	Markers			X	
291.	.731	Overpressure protection – relief’s or shutdowns			X	
292.	.735	Are combustible materials in quantities exceeding normal daily usage, stored a safe distance from the compressor building?			X	

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

Comments:
No compressor stations in district