

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	100043		
Inspector Name & Submit Date	Stephanie Zuehlke/08.13.2010		
Sr. Eng Name & Review/Date	Joe Subsits/08.13.2009		
Operator Information			
Name of Operator:	Cascade Natural Gas Corporation	OP ID #:	31522
Name of Unit(s):	Wenatchee/Moses Lake	UNIT ID #:	Wenatchee/ Moses Lake
Records Location:	Wenatchee and Moses Lake		
Date(s) of Last (unit) Inspection:	September 5, 2007	Inspection Date(s):	June 28, 2010 – July 8, 2010

Inspection Summary:
6 PV, 8 AOC. See PG-100043 Cover letter and report for detail.

HQ Address: 222 Fairview Ave N Seattle, WA 98109-5312		System/Unit Name & Address: Moses Lake Local Office 406 Lasco Lane Moses Lake WA 98837-0047 Wenatchee District Office 205 7 th Street Wenatchee, WA 98801-1985	
Co. Official:	Eldon Book 555 S. Cole Rd., Boise 83709	Phone No.:	509.765.7896 Moses Lake Office 509.662.0615 Wenatchee Office
Phone No.:		Fax No.:	509.663.0661
Fax No.:	No FAX;email: eldon.book@intgas.com	Emergency Phone No.:	888.522.1130
Emergency Phone No.:	888.522.1130		
Persons Interviewed	Title	Phone No.	
Sam Grant	General Manager	509.765.7896	
Keith Meissner	Mgr., Safety & Compliance	206.381.6734/c-206.861.6593	
Tina Beach	Pipeline Safety Specialist	Seattle 206.381.6725 206.445.4121 cell/Kenn. 509.783.7361	

WUTC staff conducted an abbreviated procedures inspection on 192 O&M and WAC items that changed since the

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

last inspection. This checklist focuses on Records and Field items per a routine standard inspection.
(check one below and enter appropriate date)

<input type="checkbox"/>	Team inspection was performed (Within the past five years.) or,	Date:	
x	Other WUTC Inspector reviewed the O & M Manual (Since the last yearly review of the manual by the operator.)	Date:	Jan. 22-25, 2007

GAS SYSTEM OPERATIONS

Gas Supplier	Williams		
Services this District: Residential 3580 Commercial 1442 Industrial 41 Other 0			
System-wide Services reported on annual forms. Residential 199711 Commercial 4940 Industrial 188 Other 12			
Number of reportable safety related conditions last year 0		Number of deferred leaks in system Wenatchee: 0 Moses Lake: 1 (DATE)	
Number of <u>non-reportable</u> safety related conditions last year 0		Number of third party hits last year 5 For the ML/Wenatchee Distr.	
Miles of transmission pipeline within unit (total miles and miles in class 3 & 4 areas) Othello is 28 miles includes 6" and 4" and they parallel each other for seven miles, Ochoa 19, 400 feet of 6" and 30 feet of 4" and then 0 in Wenatchee		Miles of main within inspection unit (total miles and miles in class 3 & 4 areas) 229 miles for Moses Lake and Wenatchee (Future GIS data will improve reporting capability)	
Operating Pressure(s):		MAOP (Within last year)	Actual Operating Pressure (At time of Inspection)
Feeder:	4 gates for Moses Lake and Wenatchee District. Othello/ML Quincey Wenatchee Including one gate station where CNG odorizes Williams Gas (Moses Lake)	Highest MAOP 500 on Othello 250 psig 225 psig Moses Lake - 250	480 psig 230 psig 210 psig 220 psig
Town:	Othello Moses Lake Quincey Wenatchee	60 psig 47 psig 60 psig 60 psig	56 psig 45 psig 45 psig 58 psig
Other:			
Does the operator have any transmission pipelines? Yes	Othello: 2 lines that have 4 and 6" pipe and the 2 lines are tied together and parallel for approx 9 miles		
Compressor stations? Use Attachment 1.	0		

Pipe Specifications:			
Year Installed (Range)	1950 Moses Lake and Quincy installed early 1960 and Wenatchee 1930 pipe	Pipe Diameters (Range)	½" to 8" steel
Material Type	PE & Steel	Line Pipe Specification Used	API 5L/ ASTM 2513
Mileage	167 miles in Moses Lake 150 miles in Wenatchee	SMYS % Othello is 4" 23.9 % SMYS Othello is 6" 20.98 % SMYS	Nothing else (other than Othello Trans.) exceeds 20% SMYS

Operator Qualification Field Validation

**Utilities and Transportation Commission
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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 30, 2010

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:** July 8, 2010

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. March 3, 2010 OP ID: 02128. Submitted data full replaced.	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? (1) <u>The commission shall require hazardous liquid pipeline companies, and gas pipeline companies with interstate pipelines, or gas pipelines operating over two hundred fifty pounds per square inch gauge, to provide accurate maps of these pipelines to specifications developed by the commission sufficient to meet the needs of first responders.</u> (2) <u>The commission shall evaluate the sufficiency of the maps</u> and consolidate the maps into a statewide geographic information system. The commission shall assist local governments in obtaining hazardous liquid and gas pipeline location information and maps. <u>The maps shall be made available to the one-number locator services</u> as provided in chapter 19.122 RCW. The mapping system shall be consistent with the United States department of transportation national pipeline mapping program. 17 PRISM maps (areas) sent to one-call on an updating basis: most recent provided June 22, 2002. (3) The commission shall periodically update the mapping system. May 07, 2010. Rey Dejos did not reply to Keith identifying whether any additional info was needed. Rey responded to CNG on July 14, 2010, informing them of progress to date.	x			
3.	191.5	Any incidents requiring telephonic reporting to the NRC (800-424-8802) None	x			
4.	191.15	Written reports; supplemental reports to PHMSA (Form F7100.2) Form PHMSA F-7100.2-1 Annual Report For Calendar Year 2009 Gas Trans. & Gathering Form PHMSA F-7100.1-1 Annual report For Calendar Year 2009 Gas distribution System	x			
5.	191.23	Filing the Safety Related Condition Report within 5 days of determination, but not later than 10 days after discovery None	x			
6.	192.727(g)	Abandoned facilities offshore, onshore crossing commercially navigable waterways reports: None	x			
7.	480-93-200(1)	Telephonic Reports to UTC Pipeline Safety Incident Notification 1-888-321-9146 (Within 2 hours) for events which results in;				
8.	480-93-200(1)(a)	A fatality or personal injury requiring hospitalization; None	x			
9.	480-93-200(1)(b)	Damage to property of the operator and others of a combined total exceeding fifty thousand dollars; None	x			
10.	480-93-200(1)(c)	The evacuation of a building, or high occupancy structures or areas; None	x			
11.	480-93-200(1)(d)	The unintentional ignition of gas; None	x			

Utilities and Transportation Commission
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REPORTING RECORDS			S	U	N/A	N/C
12.	480-93-200(1)(e)	The unscheduled interruption of service furnished by any operator to twenty five or more distribution customers; None	x			
13.	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			
14.	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; None	x			
15.	480-93-200(2)	Telephonic Reports to UTC Pipeline Safety Incident Notification 1-888-321-9146 (Within 24 hours) for;				
16.	480-93-200(2)(a)	The uncontrolled release of gas for more than two hours; None	x			
17.	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			
18.	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			
19.	480-93-200(2)(d)	A gas pipeline pressure exceeding the MAOP None	x			
20.	480-93-200(4)	Did written incident reports (within 30 days of telephonic notice) include the following				
21.	480-93-200(4)(a)	Name(s) and address(es) of any person or persons injured or killed, or whose property was damaged; None	x			
22.	480-93-200(4)(b)	The extent of injuries and damage;	x			
23.	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			
24.	480-93-200(4)(d)	A description of the gas pipeline involved in the incident or hazardous condition, the system operating at that time, and the MAOP of the facilities involved;	x			
25.	480-93-200(4)(e)	The date and time the gas pipeline company was first notified of the incident;	x			
26.	480-93-200(4)(f)	The date and time the ((operators')) gas pipeline company's first responders arrived on-site;	x			
27.	480-93-200(4)(g)	The date and time the gas ((facility)) pipeline was made safe;	x			
28.	480-93-200(4)(h)	The date, time, and type of any temporary or permanent repair that was made;	x			
29.	480-93-200(4)(i)	The cost of the incident to the ((operator)) gas pipeline company;	x			
30.	480-93-200(4)(j)	Line type;	x			
31.	480-93-200(4)(k)	City and county of incident; and	x			
32.	480-93-200(4)(l)	Any other information deemed necessary by the commission.	x			
33.	480-93-200(5)	Supplemental report if required information becomes available after 30 day report submitted None	x			
34.	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			
35.	480-93-200(7)	Annual Reports filed with the commission no later than March 15 for the proceeding calendar year				
36.	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 Both submitted March 11, 2010.	x			
37.	480-93-200(7)(b)	Damage Prevention Statistics Report including the following; Rec'd. March 11, 2010				
38.	480-93-200(7)(b)(i)	Number of gas-related one-call locate requests completed in the field; 44,657 Company-wide; District 2507	x			
39.	480-93-200(7)(b)(ii)	Number of third-party damages incurred; and Reported-122 company-wide; District-5	x			
40.	480-93-200(7)(b)(iii)	Cause of damage, where cause of damage is classified as one of the following: (A) Inaccurate locate; 5 (B) Failure to use reasonable care; 24 (C) Excavated prior to a locate being conducted; or 3 (D) Excavator failed to call for locate. CNG identifies (D) as Other – 90 Verify 66 Other: 67 No locates requested and 23 Pipe damaged after it was safely exposed	x			

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REPORTING RECORDS			S	U	N/A	N/C
41.	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: Rec'd 03.11.10 (i) Types and numbers of construction defects; and (ii) Types and numbers of material failures.	x			
42.	480-93-200(8)	Providing updated emergency contact information to the commission and appropriate officials of all municipalities where gas pipeline companies have facilities Commission rec'd 06.15.10 Appropriate officials/municipalities, etc. Reviewed	x			
43.	480-93-200(9)	Providing by email, reports of daily construction and repair activities no later than 10:00 a.m.	x			
44.	480-93-200(10)	Submitting copy of DOT Drug and Alcohol Testing MIS Data Collection Form when required: Recert on 03.11.10 by Dave Goodin.	x			

Comments:

CUSTOMER and EXCESS FLOW VALVE INSTALLATION NOTIFICATION			S	U	N/A	N/C
45.	192.16	Customer notification - Customers notified, within 90 days , of their responsibility for those service lines not maintained by the operator : Procedure CP 780.061	x			
46.	192.381	Does the excess flow valve meet the performance standards prescribed under §192.381?	x			
47.	192.383	Does the operator have a voluntary installation program for excess flow valves and does the program meet the requirements outlined in §192.383? Are records adequate? Procedure requiring mandatory CP 647. Keith is refining procedures 780.062 to remove potentially ambiguous EFV language.	x			
48.	192.383	If no voluntary program for EFV installations, are customers notified in accordance with §192.383? Are records adequate? None	x			

Comments:

AOC - WAC 480-93-018 Records: Wenatchee Manuals do not contain the most recent procedure revisions. CP 647 Excess Flow Valves was dated May 29, 2008, and marked as "CP 647 DRAFT". The copy CNG provided to the Commission on October 27, 2009 is dated November 7, 2008 and is not marked as a draft.

CONSTRUCTION RECORDS			S	U	N/A	N/C
49.	480-93-013	OQ records for personnel performing <i>New Construction</i> covered tasks Keith identified that they do not do OQ program on an annual basis with regard to plan and procedures. Keith will be evaluating the advisory bulletin and determining whether doing. Per CNG rep. and advisory bulletin does not require completion.	x			
50.	192.225	Test Results to Qualify Welding Procedures: Procedures are included in CP 760	x			

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CONSTRUCTION RECORDS			S	U	N/A	N/C
51.	192.227	Welder Qualification Reviewed: Andy Kunkel OQ database records – EnergyWorld. Steve Knutson and Mickey West are both combination welders also.	x			
52.	480-93-080(1)(b)	Appendix C Welders re-qualified 2/Yr (7.5Months) None	x			
53.	480-93-080(2) AOC	Plastic pipe joiners re-qualified 1/Yr (15 Months) Reviewed Steve Knutson Eval. 09.04.09 expir. 09.04.10 Reviewed Andy Kunkle Eval 08.10.09 expir. 08.10.10 Reviewed Mickey West – unable to locate his 1020DOT - Manual Heater Plate Fusion – 6242 Eval. Does not appear in Energy World but appears in CNG OQ database and on OQ card. Keith provided detail from trainers indicating that Mickey West had passed on above date but identified due to user error his report did not include this info. Trainers provided update correct info – reviewed and appears okay. Energyworld OQ database does not record the same information as CNG's OQ database. CNG has identified that they are phasing out the Energyworld database to another database system. See also number 59 for visual weld inspection details for Andrew Kunkel.		x		
54.	480-93-080(2)(b)	Plastic pipe joiners re-qualified if no production joints made during any 12 month period Retested annually. Reviewed the CNG OQ data base records for Wenatchee/Moses lake Employees.	x			
55.	480-93-080(2)(c)	Tracking Production Joints or Re-qualify joiners 1/Yr (12Months) API 1104	x			
56.	480-93-115(2)	Test leads on casings (without vents) installed after 9/05/1992 None	x			
57.	480-93-115(3)	Sealing ends of casings or conduits on transmission lines and mains None installed in over ten years. CNG identified installation of a casing under canal this fall – requested that they identify CP since installing new – CNG provided drawing in CP 605 page 22 as evidence that they require installing an end seal.	x			
58.	480-93-115(4)	Sealing ends (nearest building wall) of casings or conduits on services	x			
59.	192.241(a) AOC	Visual Weld Inspector Training/Experience Visual weld OQ records from Energy World indicate that Andy Kunkel is 2000DOT-10826 qualified to visually inspect welds dated 09.24.07 but also shows that he did not pass the test until 09.26.07. Keith provided a report run from Trainers that show he passed test on 09.26.07 correctly. They identified that they do not rely on or use the Energy World Certificate that indicates incorrect date. Energy World database shows the correct date of certification as 09.26.07 but again, there is a problem with the Energyworld database. After #53 above and #59 (this item) indicating an Energyworld error, I cautioned that had the Energyworld and actual datas been the other way round would be serious. I also identified that this same problem occurred in Tri-Cities in 2007.		x		
60.	192.243(b)(2)	Nondestructive Technician Qualification None	x			
61.	192.243(c)	NDT procedures CP 760	x			
62.	192.243(f)	Total Number of Girth Welds none	x			
63.	192.243(f)	Number of Welds Inspected by NDT None	x			
64.	192.243(f)	Number of Welds Rejected None	x			
65.	192.243(f)	Disposition of each Weld Rejected None	x			
66.	192.303	Construction Specifications. Each transmission line or main must be constructed in accordance with comprehensive written specifications or standards that are consistent with this part. No change in procedures CP 605 (Steel Main Construction) and have not installed any transmission since last inspection of 2007 Testing requirements CP 665.026 "Pressure test records shall include the pressure of the test, and duration of the test. If the test medium is something other than air, record the test medium on the form." Installed a main on 4000 Peninsula Dr. 1030-4" PE. Sam to provide as-builts. As built – 2 hours at 100 psig.	x			

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CONSTRUCTION RECORDS			S	U	N/A	N/C
67.	192.325	<p>Underground Clearance</p> <p>(a) Each transmission line must be installed with at least 12 inches (305 millimeters) of clearance from any other underground structure not associated with the transmission line. If this clearance cannot be attained, the transmission line must be protected from damage that might result from the proximity of the other structure.</p> <p>(b) Each main must be installed with enough clearance from any other underground structure to allow proper maintenance and to protect against damage that might result from proximity to other structures.</p> <p>(c) In addition to meeting the requirements of paragraphs (a) or (b) of this section, each plastic transmission line or main must be installed with sufficient clearance, or must be insulated, from any source of heat so as to prevent the heat from impairing the serviceability of the pipe.</p> <p>(d) Each pipe-type or bottle-type holder must be installed with a minimum clearance from any other holder as prescribed in §192.175(b).</p> <p>CP 609. No main installed in Wenatchee since last inspection. Main installed on 4000 Peninsula Dr., Moses Lake – 1030 of 4"PE.</p>	x			

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CONSTRUCTION RECORDS			S	U	N/A	N/C															
68.	192.327	<p>Amount, location, cover of each size of pipe installed (a) Except as provided in paragraphs (c), (e), (f), and (g) of this section, each buried transmission line must be installed with a minimum cover as follows:</p> <table border="1"> <thead> <tr> <th>Location</th> <th>Normal soil</th> <th>Consolidated rock</th> </tr> </thead> <tbody> <tr> <td>Inches (Millimeters)</td> <td></td> <td></td> </tr> <tr> <td>Class 1 locations</td> <td>30 (762)</td> <td>18 (457)</td> </tr> <tr> <td>Class 2, 3, and 4 locations</td> <td>36 (914)</td> <td>24 (610)</td> </tr> <tr> <td>Drainage ditches of public roads and railroad crossings</td> <td>36 (914)</td> <td>24 (610)</td> </tr> </tbody> </table> <p>(a) This section classifies pipeline locations for purposes of this part. The following criteria apply to classifications under this section. (1) A "class location unit" is an onshore area that extends 220 yards (200 meters) on either side of the centerline of any continuous 1-mile (1.6 kilometers) of pipeline. (2) Each separate dwelling unit in a multiple dwelling unit building is counted as a separate building intended for human occupancy. (b) Except as provided in paragraph (c) of this section, pipeline locations are classified as follows: (1) A Class 1 location is: (i) An offshore area; or (ii) Any class location unit that has 10 or fewer buildings intended for human occupancy. (2) A Class 2 location is any class location unit that has more than 10 but fewer than 46 buildings intended for human occupancy. (3) A Class 3 location is: (i) Any class location unit that has 46 or more buildings intended for human occupancy; or (ii) An area where the pipeline lies within 100 yards (91 meters) of either a building or a small, well-defined outside area (such as a playground, recreation area, outdoor theater, or other place of public assembly) that is occupied by 20 or more persons on at least 5 days a week for 10 weeks in any 12-month period. (The days and weeks need not be consecutive.) (4) A Class 4 location is any class location unit where buildings with four or more stories above ground are prevalent. (c) The length of Class locations 2, 3, and 4 may be adjusted as follows: (1) A Class 4 location ends 220 yards (200 meters) from the nearest building with four or more stories above ground. (2) When a cluster of buildings intended for human occupancy requires a Class 2 or 3 location, the class location ends 220 yards (200 meters) from the nearest building in the cluster.</p> <p>Identified under CP 609 Records for Peninsula Dr. main installation as-built reviewed</p>	Location	Normal soil	Consolidated rock	Inches (Millimeters)			Class 1 locations	30 (762)	18 (457)	Class 2, 3, and 4 locations	36 (914)	24 (610)	Drainage ditches of public roads and railroad crossings	36 (914)	24 (610)	x			
Location	Normal soil	Consolidated rock																			
Inches (Millimeters)																					
Class 1 locations	30 (762)	18 (457)																			
Class 2, 3, and 4 locations	36 (914)	24 (610)																			
Drainage ditches of public roads and railroad crossings	36 (914)	24 (610)																			
69.	480-93-160(1)	Report filed 45 days prior to construction or replacement of transmission pipelines \geq 100 feet in length None	x																		
70.	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																		
71.	480-93-160(2)(a)	Description and purpose of the proposed pipeline; none	x																		
72.	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																		
73.	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 None	x																		
74.	480-93-160(2)(d)	MAOP for the gas pipeline being constructed; None	x																		
75.	480-93-160(2)(e)	Location and construction details of all river crossings or other unusual construction requirements encountered en route. None	x																		

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76.	480-93-160(2)(f)	Proposed corrosion control program to be followed inc specs for coating and wrapping, and method to ensure the integrity of the coating using holiday detection equipment;	x			
77.	480-93-160(2)(g)	Welding specifications; and	x			
78.	480-93-160(2)(h)	Bending procedures to be followed if needed.	x			
79.	480-93-170(1)	Commission notified 2 days prior to pressure testing pipelines with an MAOP producing a hoop stress \geq 20% SMYS?	x			
80.	480-93-170(7) PV	Pressure tests records at a minimum include required information listed under 480-93-170(a-h) Each gas pipeline company must keep records of all pressure tests performed for the life of the pipeline and must document the following information: (a) Gas pipeline company's name; (b) Employee's name; (c) Test medium used; (d) Test pressure; (e) Test duration; (f) Line pipe size and length; (g) Dates and times; and (h) Test results. Reviewed 431 NE 19 th st., East Wenatchee – PE svc install – appears okay Reviewed 1442 Appleridge Dr., Wenatchee – PE svc install – yellow stripe – appears ok Reviewed 4000 Peninsula Dr., Moses Lake – 1030 main installed – test 100psig for 2 hours but no name included for pressure test completion.		x		
81.	480-93-170(9)	Individual pressure test records maintained for single installations where multiple pressure tests were performed? (9) When a gas pipeline company performs multiple pressure tests on a single installation, the gas pipeline company must maintain a record of each test. An example of a single installation with multiple tests would be any continuous on-going job or installation such as a new plat or long main installation where more than one pressure test was conducted during construction. None applicable - None installed since prior to last inspection in 2007 in either Wenatchee or Moses Lake.	x			
82.	480-93-170(10)	Pressure Testing Equipment checked for accuracy/intervals (Manufacturers Rec or Operators schedule) Calibration records reviewed. Tagged equipment? Equipment tag dated? Wenatchee: Reviewed 3 gauges in the shop: SN 16, 7, and 10. Okay Reviewed Form 300 for 12.03.09, 12.17.08, and 12.11.07 Instrument #1 0-1000# copy of 2009 guage calib info in folder. Pressure chart calibrations reviewed 2009 and 2008 Moses Lake: Pressure chart calibrations reviewed 2010 and 2009, and 2008. Reviewed gauge calibration for 2009 equipment also 2008.	x			
83.	480-93-175(2)	Study prepared and approved prior to moving and lowering of metallic pipelines $>$ 60 psig None since last inspection	x			
84.	480-93-175(4)	Leak survey within 30 days of moving or lowering pipelines \leq 60 psig None since last inspection	x			

Comments:

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OPERATIONS and MAINTENANCE RECORDS			S	U	N/A	N/C
85.	192.517(a)	Pressure Testing (operates at or above 100 psig) – useful life of pipeline	x			
86.	192.517(b)	Pressure Testing (operates below 100 psig, service lines, plastic lines) – 5 years	x			
87.	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 <u>Steph: See advisory bulletin/email attached to OQ Form for details. Per Dave Lykken: Bottom line, it is PHMSA's position that while the O&M rule does not specifically require the OQ plan to be part of the operators O&M manual, they do believe that the OQ plan review should be done annually as part of the manual review. I have modified the inspection checklist to reflect this opinion for discussion purposes only. As noted below an advisory bulletin cannot be used as an enforcement tool.</u>	x			
88.	192.605(b)(3)	Availability of construction records, maps, operating history to operating personnel Okay	x			
89.	480-93-018(3)	Records, including maps and drawings updated within 6 months of completion of construction activity? Okay. Reviewed two split svc installs; 431 NE 19 th St, East Wenatchee map 4-E and 1442 Appleridge Dr., Wenatchee map 5-P. No CAD available in this District – docs are hard copy only and up to date.	x			
90.	192.605(b)(8)	Periodic review of personnel work – effectiveness of normal O&M procedures – records are in Moses Lake - Construction inspections completed twice/month Reviewed inspection of Sam Grant inspection review of two project locations. One service abandonment and one service installation. All appears okay. On Substructure Damage/leak report CNG 293 for 1045 E. Rainier St., Othello, WA dated 07.15.09 and repaired 07.24.09 District GM wrote up service mechanic as follows: "Service mechanic was written up for missing this locate."	x			
91.	192.605(c)(4)	Periodic review of personnel work – effectiveness of abnormal operation procedures: No AOC issues identified other than Atmospheric Corrosion issues and found no issues with procedures and performed on the Form construction inspection checklist. . Reviewed Construction inspection checklist for 949 Nelson Rd, Wenatchee/Moses Lake on 02.08.10. Also see above #90 for additional detail on construction review.	x			
92.	192.609	Class Location Study (If applicable) Not applicable. Completes quarterly patrols, etc.	x			
93.		Damage Prevention (Operator Internal Performance Measures)				
94.		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) Sam is director for one-call for Grant County. CNG marks their own facilities in-house. No missed locates (#90 above is example of locator field audit). Treasurer for Douglas County UULC – Monty in front office. All staff are OQ'd for locating.	x			
95.	192.614	Does operator including performance measures in facility locating services contracts with corresponding and meaningful incentives and penalties? None	x			
96.		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 applicable – they do all locating with in-house staff.	x			
97.		Does the operator periodically review the Operator Qualification plan criteria and methods used to qualify personnel to perform locates? Yes but not necessarily on an annual basis.	x			
98.		Review operator locating and excavation <u>procedures</u> for compliance with state law and regulations. Reviewed locate tickets for May 2009.	x			
99.		Are locates are being made within the timeframes required by state law and regulations? Examine record sample. Reviewed locate tickets for May 2009.	x			

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OPERATIONS and MAINTENANCE RECORDS			S	U	N/A	N/C
100.		Are locating and excavating personnel properly <u>qualified</u> in accordance with the operator's Operator Qualification plan and with federal and state requirements? Reviewed Jason Edson OQ records for Locating and Marking Lines and Inspection of Excavating Near Lines all valid with expiration in 09.27.12, 04.2.11, and 10.06.13.	x			
101.		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? HP observations are called "stand-by dig": Reviewed 2 Stimelt Creek and Malaga (06.03.10) No main exposed, and Malaga Hwy (04.26.10) main exposed: Both in Wenatchee. None in Moses Lake. 2. In the case of blasting, does the inspection include leakage surveys? None	x			
102.		Informational purposes only. Not Required. Does the pipeline operator voluntarily submit pipeline damage statistics into the UTC Damage Information Reporting Tool (DIRT)? Operator may register at https://identity.damagereporting.org/cgareg/control/login.do Y N x	x			

Comments:

Emergency Response Plans			S	U	N/A	N/C
103.						
104.	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 Two third party damage occurred in Wenatchee at 359 4 th St SE, East Wenatchee and 570 Darwood East Wenatchee. Forms completed correctly and very thorough paperwork and follow through. Three third party damage 1045 E. Rainier St., Othello, 1030 Ash St., Othello, 4000 W. Peninsula Dr., Moses Lake.	x			
105.	192.615(b)(1)	Location Specific Emergency Plan Reviewed Moses Lake Emergency maps dated 2007 – Sam identified no new e-valves (operational valves) since 2007 – no changes in shut areas either for all in Wenatchee District. CNG call center contacts, CNG emergency call list dated June 2010, Williams Northwest Pipeline operations emergency call list including contacts for County/City people as well as Fire Chief and Police dated July 6, 2010. Williams came to office and provided dated January 2010 updated info to Sam for Plan. (Not part of this inspection- CNG shut down plan identifies Basin Frozen Foods Line Operations Procedures dated August 2007 – Basin Foods became Ochoa and then became Lamb Westin. This manual was out of date. This was updated/discussed at Lamb Westin inspection with Lex/Patti.) Meter Count per shut area last updated 07.19.07 and also July 6, 2010. CNG ICS Contact list updated and Moses Lake Emergency Plan updated July 6, 2010. Up-to-date emergency plan was eventually located in office. Addition copies of E-Plan were updated during inspection.	x			
106.	192.615(b)(2)	Emergency Procedure training, verify effectiveness of training Since no emergencies this District, personnel are reviewed during OQ classes and during monthly safety meetings (possible discussion) but specifically discussed during annual safety meeting. Safety meeting of 12.03.09 discussed the emergency plan.	x			

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107.	192.615(b)(3)	Employee Emergency activity review, determine if procedures were followed. Sam provided documentation to review response of single Wenatchee response in above #104.	x			
108.	192.615(c)	Liaison Program with Public Officials For 2009 Douglas Public officials: 29 Grant Public officials: 54 Chelan Public officials: 50 2009 Public Officials Participating Companies for Pipeline Association for Public Awareness for 16 Counties. (3) Identify the types of gas pipeline emergencies of which the operator notifies the officials; and, Program elements and message content appear to be in accordance with pipeline emergency response guidelines and their emergency responder program. Copy of the emergency responder program in file – CNG uses the pipeline association for public awareness PAPA.	x			
109.	192.616	Public Awareness Program				
110.	192.616(e&f) AOC	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.). Celeritas compiled and completed the mailing every other year. Last time complete in 2009. <u>Prior to 2009 information CNG identified that info was handed out but no records, API RP 1162 requires the documentation. See table below:</u>		x		
111.		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.				
112.		API RP 1162 Baseline* Recommended Message Deliveries				
113.		Stakeholder Audience (LDC's)	Baseline Message Frequency (starting from effective date of Plan)			
		Residence Along Local Distribution System	Annual – bill stuffers, local ads in 2 papers incl. full & quarter page ads for 2008 – bill stuffers but no local ads done for 2009			
		LDC Customers	Twice annually – these customers receive 6 notifications.			
		One-Call Centers	As required of One-Call Center Updated as required – CNG sends when new maps/areas. Reviewed documentation.			
		Emergency Officials	Annual okay			
		Public Officials	3 years CNG completes annually			
		Excavator and Contractors	Annual CNG has an excavator direct mail list. Four counties: Adams, Chelan, Douglas, Grant. They sent an Excavation safety guide & directory. Mailed 05.01.09 and 04.30.10 mailing date.			
		Stakeholder Audience (Transmission line operators)	Baseline Message Frequency (starting from effective date of Plan)			
		Residence Along Local Distribution System	2 years Completed in 2009 and due in 2011.			
		One-Call Centers	As required of One-Call Center			
		Emergency Officials	Annual Same as above			
		Public Officials	3 years Same as above.			
		Excavator and Contractors	Annual Same as above.			

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114.		* Refer to API RP 1162 for additional requirements, including general program recommendations, supplemental requirements, recordkeeping, program evaluation, etc.				
115.	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. Spanish.	x			
116.	.616(h) PV	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) Survey has been completed through PAPA for 2007 and 2010 both completed. Incl. E responders, excavators, and public officials. Just completed and affected public survey and data has not been returned yet describing received but not yet reviewed/evaluated. Stakeholders, info available for Public officials Excavators and contractors.		x		
117.	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			
118.	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 (PHMSA area of emphasis) No failure attributable to CNG. Info provided on unknown damage caused by unknown operator: Operator was notified of this prior damage caused to their facility by City of Wenatchee while completing unrelated excavation work. Operator removed 9 ft of ¼" WSC as a remediation at 1006 Poplar, Wenatchee.	x			

Comments:

119.	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			
120.	480-93-015(1)	Odorization of Gas – Concentrations adequate. Wenatchee appears okay. Odorizer Capacity is 57 gals. Reviewed Quincy odorizer. Also reviewed Wenatchee odorizer and KB Alloys odorizer levels. Moses Lake: reviewed Co. Rd. 6 SE Moses Lake odorizer records. Appears okay. Reviewed Othello odorization report for Lucy Rd. – appears okay.	x			
121.	480-93-015(2)	Monthly Odorant Sniff Testing Quincy has 3 sniff test locations. 106 F. St., 1801 F. St., and 6 th and A St. Rotates so one of these is completed every third month. KB Alloy is a single customer with a sniff test same location once per month. 3 locations East Wenatchee 201 s. Union, Tree Top on Chelan Hwy (North end town), 1400 S. Miller St. (South end of town) and occasionally on Snohomish St at R-36 (Town Border Sta.) Reviewed Moses Lake locations appears to cover their area. 4 locations in Moses Lake (adjusted one read location due to suggestion of previous inspection) Othello has 3 locations at extremities. Sam identified he adjusts locations for system growth. Location for reads approx. 86,000 ft from odorizer. Moses Lake includes SN of equipment.	x			
122.	480-93-015(3)	Prompt action taken to investigate and remediate odorant concentrations not meeting the minimum requirements None	x			

