

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) The commission shall require hazardous liquid pipeline companies, and gas pipeline companies with interstate pipelines, or <u>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) The <u>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 ((operator's)) 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.</u> API RP 1162 requires the documentation. See table below:		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																														
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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			

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123.	480-93-015(4)	Odorant Testing Equipment Calibration/Intervals (Annually or Manufacturers Recommendation) Odorator calibration records reviewed for 2008 and 2009 Wenatchee. Calibration occurred as required. Reviewed Moses Lake Odorometer calibration records for instrument which requires calibration @ 6 months. Okay. Moses Lake instrument SN CL-0567 and replacement Heath Odorator #2000618013.	x			
124.	480-93-124(3)	Pipeline markers attached to bridges or other spans inspected? 1/yr(15 months) Plans and Procedures not followed in Wenatchee for completing forms. Quarterly patrols for 06.06.08 2 nd quarter, 09.03.08 3 rd quarter, and 12.02.08 4 th quarter documents incomplete and in file. Reviewed Moses Lake forms for Wheeler – appears okay, Moses Lake – appears okay, Othello – appears okay, and Quincy appears okay. Reviewed transmission P/L marker map completed 03.02.10. <i>Survey for markers will be completed in the future along with leak surveys.</i> R-57 marker installed –reviewed WO.	x			
125.	480-93-124(4)	Markers reported missing or damaged replaced within 45 days ? Yes in Wenatchee. Moses Lake quarterly patrol identified damaged/missing marker dated: Tina providing WO for damaged markers reported on quarterly report dated 12.03.09 for Quincy dated 4 th quarter in 2009. Reviewed marker repair WO# 13535 dated 12.11.09.	x			
126.	480-93-140(2)	Service regulators and associated safety devices tested during initial turn-on Reviewed a couple of service reg installs with test data indicated on form.	x			
127.	480-93-155(1)	Up-rating of system MAOP to >60 psig ? Procedures and specifications submitted 45 days prior? None	x			
128.	480-93-185(1)	Reported gas leaks promptly investigated? Graded in accordance with 480-93-186? Records retained?	x			
129.	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			
130.	480-93-185(3)(b)	Leaks originating from a foreign source reported promptly/notification by mail. Records retained? None	x			
131.	480-93-186(3)	Leak evaluations: Are follow-up inspections performed within 30 days of a leak repair?	x			
132.	480-93-186(4)	Leak evaluations: Grade 1 and 2 leaks (if any), downgraded once to a grade 3 without physical repair? None	x			
133.	480-93-187	Gas leak records: at a minimum include required information listed under 480-93-187(1-13) Reviewed District Leak records total of 5 for the entire District.	x			
134.	480-93-188(1)	Gas leak surveys: no classification map. Reviewed surveys for annual business district and HO survey as well as outside business district surveys for Wenatchee and East Wenatchee. Okay Review Moses Lake: One deferred leak found 03.13.09 but determined not methane. Next annual leak survey done 04.06.10 and WO assigned will be working with City to repair.Okay.	x			
135.	480-93-188(2)	Gas detection instruments tested for accuracy/intervals (Mfct recommended or monthly not to exceed 45 days) Okay FI units identified on leak survey calibration log sheets and Sensit and Trak-it III calibration records reviewed for 2008, 09, and 10. Okay FI unit and 2 Sensit for Moses Lake. Keith identified no tagging of equipment required and serviceman showed how the equipment itself identifies last calibration date. (Jason)	x			
136.	480-93-188(3) AOC	Leak survey frequency (Refer to Table Below) Key map and leak survey maps for this district do not match. See below.		x		

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	Business Districts (implement by 6/02/07)	1/yr (15 months) Okay Wenatchee and Moses Lake. Othello key map identifies BD line between 1 st and 2 nd streets however their leak survey maps show the survey stopped at 1 st . Sam identified that the buildings from 1 st to 2 nd are not in BD and are not HO structures. Sam identified that he would adjust maps to have the same line. Reviewed Othello leak survey map for BD and Key map – they do not match. A portion of BD did not get surveyed with 2010 survey as per above. SAM IDENTIFIED THAT REMAINDER OF THIS BD WILL BE WALKED TODAY AND PROVIDE ME WITH MAPS. Leak survey completed for above missing section on 07.07.10 – no leaks found.																
	High Occupancy Structures	1/yr (15 months) Bldgs in BD are checked twice/yr under HO and BD annual. Reviewed all in Wenatchee.																
	Pipelines Operating ≥ 250 psig	1/yr (15 months) Okay																
	Other Mains: CI, WI, copper, unprotected steel	2/yr (7.5 months) One 40' section of 1-1/4" bare steel in Moses Lake. w/ 0.188 wall to commercial structure and installed in approx 1998. CP is on rectifier monitored/walked annually, bi-monthly and annual CP survey.																
137.	480-93-188(4)(a)	Special leak surveys - Prior to paving or resurfacing, following street alterations or repairs None.	x															
138.	480-93-188(4)(b)	Special leak surveys - areas where substructure construction occurs adjacent to underground gas facilities, and damage could have occurred Reviewed Quincy 1231 St. SW Quincy 11.10.09.	x															
139.	480-93-188(4)(c)	Special leak surveys - Unstable soil areas where active gas lines could be affected None	x															
140.	480-93-188(4)(d)	Special leak surveys - areas and at times of unusual activity, such as earthquake, floods, and explosions None	x															
141.	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															
142.	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) Wenatchee okay and Moses Lake okay Areas 1-6 outside BD.	x															
143.	480-93-188(6)	Leak program - Self Audits: Sam completes self audit after each leak repair and includes the Substructure damage reports, leak survey documentation and maps and WO, and 30 day follow-up .	x															
144.	192.709	Patrolling (Transmission Lines) (Refer to Table Below) .705 These records are in Moses Lake. Othello 4" Line and the 6" Line.	x															
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145.	192.709	Leak Surveys (Transmission Lines) (Refer to Table Below) .706 These records are in Moses Lake.	x															
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146.	192.603(b)	Patrolling Business District (4 per yr/4½ months)	x															

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147.	192.603(b)	Patrolling Outside Business District (2 per yr/7½ months) 192.721(b)(2)	x			
148.	192.603(b)	Leakage Survey - Outside Business District (5 years) 192.723(b)(1)	x			
149.	192.603(b)	Tests for Reinstating Service Lines 192.725	x			
150.	192.603(b)/.727(g)	Abandoned Pipelines; Underwater Facility Reports 192.727 None	x			
151.	192.709 AOC	<p>Pressure Limiting and Regulating Stations (1 per yr/15 months) .739 Annual maintenance completed. Field review showed reporting inaccuracies of actual pressures.</p> <ol style="list-style-type: none"> 1. R-57 <ol style="list-style-type: none"> a. Reg. Sta. sign missing and no P/L markers. WAC-124 Pipeline markers - (e) <u>At above ground gas pipelines except service risers, meter set assemblies, and gas pipeline company owned piping downstream of the meter set assembly. The minimum lettering size requirements located in 49 CFR § 192.707 (d)(1) do not apply to services;</u> (Received a copy of a WO 8957953028 generated on 07.01.10 to install reg sta sign. b. Serviceman identified AOC when no lock-up on redundant (2nd run) and after removing slag lock-up obtained. Another AOC identified by serviceman – when reconnecting control lines after testing he noticed crack in aluminum at fitting – he replaced the control line. Field audit occurred 06.30.10 with annual maintenance for this sta. just completed 05.05.10. 2. R-19 <ol style="list-style-type: none"> a. Weather cap stuck on relief stack – CNG will be changing out this (poly/plastic flat no edge) cap and will also be lowering the stack height. This sta is in a stock yard a few feet away from cattle pen – doesn't appear to be suitable for installed location. They id'd that height of stack was probably due to water truck dispersal. b. Last annual completed 06.29.09 and tested weather cap at that time c. After audit it has been replaced with an aluminum weather cap w/drip cap. 3. R-14 <ol style="list-style-type: none"> a. Annual inspection paperwork (this SLR w/relief rebuilt 06.23.09) dated 06.23.09 test and set pressure records for relief valve exceeded the MAOP Outlet above 110%. b. However, it was determined that the form was filled out incorrectly on Form dated 06.24.09. First # is from form, second # is correction by CNG during field inspection: <ol style="list-style-type: none"> i. MAOP inlet 230 – 250; ii. MAOP Outlet 74-125; iii. Operating reg lockup 78 – 80; iv. Relief valve set pressure 85 – 82; v. Inlet station pressure 232 – 230; vi. Outlet station pressure 75 – 74. c. CNG allowable max data records for this sta indicate the sta as: <ol style="list-style-type: none"> i. MAOP inlet 250; ii. MAOP outlet 125; iii. Operating reg lockup 125; iv. Relief valve set pressure 133. 		x		
152.	192.709	Pressure Limiting and Regulator Stations – Capacity (1 per yr/15 months) .743 Keith provided early in year but did not provide complete information. Keith provided records indicating capacity changes.	x			
153.	192.709	Valve Maintenance – Transmission (1 per yr/15 months) .745 Review records in Moses Lake-Reviewed valve maintenance records all appear okay.	x			

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154.	192.709	Valve Maintenance – Distribution (1 per yr/15 months) .747 Wenatchee: 13 Valves annual maintenance completed. Reviewed 2009, 2008, 2007. Reviewed ML 2010, 2009, and 2008. Requested WO info re: maintenance at two valves: V-28 (Okay – reviewed WO) and V-22. V-22 O&M for cleaning and painting of valve WO 0004210 dated 02.25.09 and maintenance and inspection record for this valve (annual maintenance) dated 02.19.09.	x			
155.	480-93-100(3)	Service valve maintenance (1 per yr/15 months) Wenatchee: 2 installed in 2008 – annual maintenance was completed. 3 svc valves installed in 2009 and annual maintenance not due yet. ML: reviewed SLV SV-003,004, 007-009. SV-001 repurposed into V-66 .	x			
156.	192.709	Vault maintenance (≥200 cubic feet)(1 per yr/15 months) .749None	x			
157.	192.603(b)	Prevention of Accidental Ignition (hot work permits) .751 None. But have procedure and equipment to complete.	x			
158.	192.603(b)	Welding – Procedure 192.225(b)	x			
159.	192.603(b)	Welding – Welder Qualification 192.227/.229	x			
160.	192.603(b)	NDT – NDT Personnel Qualification .243(b)(2)	x			
161.	192.709	NDT Records (pipeline life) .243(f)	x			
162.	192.709	Repair: pipe (pipeline life); Other than pipe (5 years)	x			
163.	192.905(c)	Periodically examining their transmission line routes for the appearance of newly identified area's (HCA's)	x			

Comments:

CORROSION CONTROL RECORDS			S	U	N/A	N/C
164.	192.455(a)(1)	Pipeline coatings meet requirements of 192.461 (<i>for buried pipelines installed after 7/31/71</i>) Xtru coat and coal tar CP 755and 605.036.	x			
165.	192.455(a)(2)	CP system installed on and operating within 1 yr of completion of pipeline construction (<i>after 7/31/71</i>) Installed in the 70's	x			
166.	192.465(a)	Annual Pipe-to-soil Monitoring (1 per yr/15 months) for short sections (10% per year; all in 10 years) (a) Each pipeline that is under cathodic protection must be tested at least once each calendar year, but with intervals not exceeding 15 months, to determine whether the cathodic protection meets the requirements of §192.463. However, if tests at those intervals are impractical for separately protected short sections of mains or transmission line, not in excess of 100 feet (30 meters), or separately protected service line, these pipelines may be surveyed on a sampling basis. At least 10 percent of these protected structures, distributed over the entire system must be surveyed each calendar year, with a different 10 percent checked each subsequent year, so that the entire system is tested in each 10-year period. Bi-monthly (every 2 months) rectifier checked – Requested detail on two low CP/remediation for Wheeler WO #1754 dated 08.01.08 remediated 08.11.08 and WO#1754 dated 12.02.08 remediated 01.08.09.	x			

Utilities and Transportation Commission
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CORROSION CONTROL RECORDS			S	U	N/A	N/C
167.	192.491	Maps or Records .491(a) Bi-monthly monitoring report for Wenatchee district dated 04.02.10 indicates a read at 133 N. Garfield of -2.995 and -2.230. Greg Miller CC specialist identified that he had taken a CP read at this location within one month and found the read to be -1.093 and -1.373 . One 40' section of 1-1/4" bare steel in Moses Lake. w/ 0.188 wall to commercial structure and installed in approx 1998. CP is on rectifier monitored/walked annually, bi-monthly and annual CP survey.	x			
168.	192.491	Examination of Buried Pipe when exposed .459 Substructure Damage Reports reviewed include this information. Reviewed several reports – info has been included on those forms reviewed.	x			
169.	480-93-110(8)	CP test reading on all exposed facilities where coating has been removed: Reviewed on substructure damage reports that reads were taken when repairs made.	x			
170.	192.491	Annual Pipe-to-soil monitoring (1 per yr/15 months) .465(a) Annual of 9 rectifiers completed. Reviewed 2010 and 2009. System is 100% surveyed ea. year.	x			
171.	192.491	Rectifier Monitoring (6 per yr/2½ months) .465(b) Low reads in East Wenatchee and Wenatchee - No information in bi-monthly monitoring to indicated that CP tech has begun addressing. Copy in file dated 06.02.10. Remedied and Tina is providing completion detail. Completion detail provided and in file indicates ground bed down – remediation addressed on 06.22.10 and completed 06.25.10.	x			
172.	192.491	Interference Bond Monitoring – Critical (6 per yr/2½ months) .465(c) None.	x			
173.	192.491	Interference Bond Monitoring – Non-critical (1 per yr/15 months) .465(c) None.,	x			
174.	480-93-110(2)	Remedial action taken within 90 days (Up to 30 additional days if other circumstances. Must document) .465(d) See above #171 for details.	x			
175.	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. Half cells properly calibrated 12.04.09; Fluke calibrated 12.15.09 Voltmeter calibrated. ML: Half-cells and FI's reviewed for 2009 and 2008.	x			
176.	192.491	Unprotected Pipeline Surveys, CP active corrosion areas (1 per 3 cal yr/39 months) .465(e) None.	x			
177.	192.491	Electrical Isolation (Including Casings) .467 None	x			
178.	480-93-110(5) PV	Casings inspected/tested annually not to exceed fifteen months Per Keith, if casing is more negative than .73 then take a carrier reading and report. Then complete Tinker/Razor. Provide detail on why casing carrier information has not been included on report forms dated 04.02.10. This is vented. Requested that they provide. Unknown whether this is isolated. They are going to complete construction to obtain Tinker as required. CNG did use Sensit to check vent for leak. Did not follow procedures and take additional actions as required to determine whether short existed. LEAK SURVEY 4 X PER YR. ON QUARTERLY PATROL BUT CARRIER WAS NOT TAKEN in 2010 and not taken in 2009 it was completed in 2007 and details incomplete in 2008 (no Tinker Razor) . CNGMUST PROVE A/C MITIGATION ISSUES.		x		
179.	480-93-110(5)(a)	Casings w/no test leads installed prior to 9/05/1992. Demonstrate other acceptable test methods	x			
180.	480-93-110(5)(b)	Possible shorted conditions – Perform confirmatory follow-up inspection within 90 days None in Wenatchee. Two noted in ML. See #166 above.	x			
181.	480-93-110(5)(c)	Casing shorts cleared when practical	x			
182.	480-93-110(5)(d)	Shorted conditions leak surveyed within 90 days of discovery. Twice annually/7.5 months None identified	x			
183.	192.491	Interference Currents .473 None.	x			
184.	192.491	Internal Corrosion; Corrosive Gas Investigation .475(a)None	x			
185.	192.491	Internal Corrosion; Internal Surface Inspection; Pipe Replacement .475(b) No active corrosion and inspect at time of replacement. None	x			

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CORROSION CONTROL RECORDS			S	U	N/A	N/C
186.	192.491	Internal Corrosion Control Coupon Monitoring (2 per yr/7½ months) .477 None	x			
187.	192.491	Atmospheric Corrosion Control Monitoring (1 per 3 cal yr/39 months onshore; 1 per yr/15 months offshore) .481 Reviewed A/C paperwork dated 01.02.08 – next A/C due 2011. Since the last inspection Sam Grant instituted A/C survey for Moses Lake and Wheeler/Wenatchee forms which identify those problems encountered and repaired. No order to forms reviewed but no repair needed. Can be located through route and account for A/C issues. Sam identified he will complete process of how he keeps those svcs that have been inspected that did not require work/repair for the purposes of verifying that service was reviewed and/or added to repair. Sam instituted changes to correct tracking of A/C inspections and corrective actions based upon 2007 inspection.	x			
188.	192.491	Remedial: Replaced or Repaired Pipe; coated and protected; corrosion evaluation and actions .483/.485	x			
189.	480-93-110(3)	CP Test Equipment and Instruments checked for accuracy/intervals (Mfct Rec or Opr Sched)	x			

Comments:

PIPELINE INSPECTION (Field)			S	U	N/A	N/C
190.	192.161	Supports and anchors	x			
191.	480-93-080(1)(d)	Welding procedures located on site where welding is performed?	x			
192.	480-93-080(1)(b)	Use of testing equipment to record and document essential variables	x			
193.	480-93-080(2)(a)	Plastic procedures located on site where welding is performed?	x			
194.	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			
195.	480-93-013	Personnel performing “New Construction” covered tasks OQ qualified?	x			
196.	480-93-015(1)	Odorization	x			
197.	480-93-018(3)	Updated records, inc maps and drawings made available to appropriate operations personnel?	x			
198.	192.179	Valve Protection from Tampering or Damage	x			
199.	192.455	Pipeline coatings meet requirements of 192.461 (for buried pipelines installed after 7/31/71)	x			
200.	192.463	Levels of cathodic protection	x			
201.	192.465	Rectifiers	x			
202.	192.467	CP - Electrical Isolation	x			
203.	192.476	Systems designed to reduce internal corrosion	x			
204.	192.479	Pipeline Components exposed to the atmosphere Interface issues: a. 221 W. Broadway, Moses Lake b. Meter # 618654, Moses Lake c. Meter # 609127, Moses Lake d. Meter # 123100, Moses Lake e. Alley W. of 112 E. 3 rd , Moses Lake f. 113 W. Broadway, Moses Lake		x		
205.	192.481	Atmospheric Corrosion: monitoring	x			

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PIPELINE INSPECTION (Field)			S	U	N/A	N/C
206.	192.491	Test Stations – Sufficient Number .469	x			
207.	480-93-115(2)	Casings – Test Leads (casings w/o vents installed after 9/05/1992)	x			
208.	480-93-115(2)	Mains or transmission lines installed in casings/conduit. Are casing ends sealed?	x			
209.	480-93-115(4)	Service lines installed in casings/conduit. Are casing ends nearest to building walls sealed?	x			
210.	192.605(a)	Appropriate parts of manuals kept at locations where O&M activities are conducted	x			
211.	192.605	Knowledge of Operating Personnel	x			
212.	480-93-124	Pipeline markers	x			
213.	480-93-124(4)	Markers reported missing or damaged replaced within 45 days?	x			
214.	192.719	Pre-pressure Tested Pipe (Markings and Inventory)	x			
215.	192.195	Overpressure protection designed and installed where required? Included in another location in above report.	x			
216.	192.739/743	Pressure Limiting and Regulating Devices (Mechanical/Capacities) Included in another location in above report.	x			
217.	192.741	Telemetering, Recording Gauges	x			
218.	192.751	Warning Signs	x			
219.	192.355	Customer meters and regulators. Protection from damage	x			
220.	192.355(c)	Pits and vaults: Able to support vehicular traffic where anticipated.	x			
221.	480-93-140 AOC	Service regulators installed, operated and maintained per state/fed regs and manufacturers recommended practices? Regulator in horizontal orientation – potential protection issue. CNG procedures require vertical orientation.		x		
222.	480-93-178(2)	Plastic Pipe Storage facilities – Maximum Exposure to Ultraviolet Light (2yrs)	x			
223.	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			
224.	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			
225.	480-93-178(6)	Are there Temporary above ground PE pipe installations currently? Yes No x				
226.	480-93-178(6)(a)	If yes, is facility monitored and protected from potential damage? none	x			
227.	480-93-178(6)(b)	If installation exceeded 30 days, was commission staff notified prior to exceeding the deadline? None	x			
228.	192.745	Valve Maintenance (Transmission)	x			
229.	192.747	Valve Maintenance (Distribution)	x			

Facility Sites Visited:

Facility Type	Facility ID Number	Location

Comments: Meter # 683611 – overgrown w/vines – CNG remediated

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Comments: Meter # 683611 – overgrown w/vines – CNG remediated

CP reads taken at the following locations – Moses Lake

- a. 317 W. Broadway -0.974
- b. 213 W. Broadway -0.994
- c. Alley S. of W. Broadway Meter 226883 -1.200
- d. Alley S. of W. Broadway SE corner 213 W. Broadway - meterless riser -1.138
- e. Meter # 276042 -0.901
- f. Meter # 618654 -0.974
- g. Meter # 609127 -1.076
- h. Meter # 123100 -0.980
- i. Alley W. of 112 E. 3rd -1.107
- j. Meterless riser 113 W. Broadway -1.043

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

<u>Number</u>	<u>Date</u>	<u>Subject</u>
ADB-07-02	February 29, 2008	Correction - Pipeline Safety: Updated Notification of the Susceptibility to Premature Brittle-Like Cracking of Older Plastic Pipe
ADB-08-01	May 13, 2008	Pipeline Safety - Notice to Operators of Gas Transmission Pipelines on the Regulatory Status of Direct Sales Pipelines
ADB-08-02	March 4, 2008	Pipeline Safety - Issues Related to Mechanical Couplings Used in Natural Gas Distribution Systems
ADB-08-03	March 10, 2008	Pipeline Safety - Dangers of Abnormal Snow and Ice Build-Up on Gas Distribution Systems
ADB-08-04	June 5, 2008	Pipeline Safety - Installation of Excess Flow Valves into Gas Service Lines
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

For more PHMSA Advisory Bulletins, go to <http://ops.dot.gov/regs/advise.htm>

Attachment 1

Distribution Operator Compressor Station Inspection

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		COMPRESSOR STATION PROCEDURES		S	U	N/A	N/C
230.	.605(b) No compressor station						
231.		.605(b)(6)	Maintenance procedures, including provisions for isolating units or sections of pipe and for purging before returning to service			x	
232.		.605(b)(7)	Starting, operating, and shutdown procedures for gas compressor units			x	
233.		.731	Inspection and testing procedures for remote control shutdowns and pressure relieving devices (1 per yr/15 months), prompt repair or replacement			x	
234.		.735	(a) Storage of excess flammable or combustible materials at a safe distance from the compressor buildings			x	
235.			(b) Tank must be protected according to NFPA #30			x	
236.		.736	Compressor buildings in a compressor station must have fixed gas detection and alarm systems (must be performance tested), unless:			x	
237.			• 50% of the upright side areas are permanently open, or			x	
238.			• It is an unattended field compressor station of 1000 hp or less			x	

Comments:

No compressor station

		COMPRESSOR STATION O&M RECORDS		S	U	N/A	N/C
239.	.709 No compressor station	.731(a)	Compressor Station Relief Devices (1 per yr/15 months)			x	
240.		.731(c)	Compressor Station Emergency Shutdown (1 per yr/15 months)			x	
241.		.736(c)	Compressor Stations – Detection and Alarms (Performance Test)			x	

Comments:

No compressor station

		COMPRESSOR STATIONS INSPECTION (Field)		S	U	N/A	N/C	
(Note: Facilities may be "Grandfathered")								
242.	.163 (c) No compressor station	Main operating floor must have (at least) two (2) separate and unobstructed exits				x		
243.		Door latch must open from inside without a key				x		
244.		Doors must swing outward				x		
245.		(d)	Each fence around a compressor station must have (at least) 2 gates or other facilities for emergency exit				x	
246.			Each gate located within 200 ft of any compressor plant building must open outward				x	
247.			When occupied, the door must be opened from the inside without a key					

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COMPRESSOR STATIONS INSPECTION (Field)			S	U	N/A	N/C
(Note: Facilities may be "Grandfathered")						
248.	(e)	Does the equipment and wiring within compressor stations conform to the National Electric Code, ANSI/NFPA 70?			x	
249.	.165 (a)	If applicable, are there liquid separator(s) on the intake to the compressors?			x	
250.	(b)	Do the liquid separators have a manual means of removing liquids?			x	
251.	No compressor station	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	
252.	.167 (a)	ESD system must:				
253.		- Discharge blowdown gas to a safe location			x	
254.		- Block and blow down the gas in the station			x	
255.	No compressor station	- Shut down gas compressing equipment, gas fires, electrical facilities in compressor building and near gas headers			x	
256.		- Maintain necessary electrical circuits for emergency lighting and circuits needed to protect equipment from damage			x	
257.		ESD system must be operable from at least two locations, each of which is:				
258.		- Outside the gas area of the station			x	
259.		- Not more than 500 feet from the limits of the station			x	
260.		- ESD switches near emergency exits?			x	
261.	(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	
262.	(c)	Are ESDs on platforms designed to actuate automatically by...				
263.	No compressor station	- For unattended compressor stations, when:				
264.		▪ The gas pressure equals MAOP plus 15%?			x	
265.		▪ An uncontrolled fire occurs on the platform?			x	
266.		- For compressor station in a building, when				
267.		▪ An uncontrolled fire occurs in the building?			x	
268.		▪ 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	
269.	.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	
270.	(b)	Do the compressor station prime movers (other than electrical movers) have over-speed shutdown?			x	
271.	No compressor station	Do the compressor units alarm or shutdown in the event of inadequate cooling or lubrication of the unit(s)?			x	
272.	(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	
273.	(e)	Are the mufflers equipped with vents to vent any trapped gas?			x	
274.	.173	Is each compressor station building adequately ventilated?			x	
275.	.457	Is all buried piping cathodically protected?			x	
276.	.481	Atmospheric corrosion of aboveground facilities			x	
277.	.603	Does the operator have procedures for the start-up and shut-down of the station and/or compressor units?			x	
278.		Are facility maps current/up-to-date?			x	
279.	.615	Emergency Plan for the station on site?			x	

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COMPRESSOR STATIONS INSPECTION (Field)			S	U	N/A	N/C
(Note: Facilities may be "Grandfathered")						
280.	.619	Review pressure recording charts and/or SCADA			x	
281.	.707	Markers			x	
282.	.731	Overpressure protection – relief's or shutdowns			x	
283.	.735	Are combustible materials in quantities exceeding normal daily usage, stored a safe distance from the compressor building?			x	
284.		Is aboveground oil or gasoline storage tanks protected in accordance with NFPA standard No. 30?			x	
285.	.736	Gas detection – location			x	

Comments:

No compressor station