

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

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

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

Inspection Report			
Inspection ID/Docket Number	2656		
Inspector Name & Submit Date	Dennis Ritter, 10/25/2013 Ronda Shupert		
Chief Eng Name & Review/Date	Joe Subsits, 10/25/2013		
Operator Information			
Name of Operator:	Cascade Natural Gas	OP ID #:	2128
Name of Unit(s):	Tri Cities/Walla Walla		
Records Location:	Kennewick, Walla Walla WA		
Date(s) of Last (unit) Inspection:	Nov 28-Dec 2 and Dec14-15, 2011	Inspection Date(s):	Oct 14-18, 2013

**Inspection Summary:**

**Note: CNG divides up this unit into two districts: Kennewick and Walla Walla. In this report, Kennewick related inspection information will be in red while Walla Walla will be in blue.**

The 2013 Std Inspection for CNG Kennewick/Sunnyside District was conducted in Benton, Franklin and Walla Walla Counties. Field inspections locations are as noted in the inspection form. Records were reviewed at CNG’s shops in Kennewick and Walla Walla as well as at WUTC’s office prior to field visit. Field and OQ assessments were conducted as follows: CP pipe to soil, isolation, casing and rectifier inspections; r/w patrols; pressure regulator and relief lock-up ; block valve operation; odorant level check, odorant concentration testing.

The following issues were noted during the inspection:

**97) 192.517(a) Records--**CNG has reviewed all of its high pressure pipelines in all units looking for missing data used to confirm MAOP including this unit. CNG has formulated a program to obtain all missing data and Pipeline Safety is currently reviewing. **HOWEVER**, pressure test records for the 8” Attalia Line were asked for during this inspection. CNG did not have complete pressure test records (per Kathleen Chirgwin, GO). In reviewing CNG’s table of missing information submitted to Pipeline Safety as part of the above mentioned program, pressure testing records were **NOT** listed as missing only “pipe grade” was listed as missing. Note: This portion of the code is not retroactive and the 8” Attalia line was installed pre code, however, CNG still must confirm MAOP per 192.619, if these documents cannot be found.

**99) 480-93-180/192.605(a) Plans and Procedures/Procedures Manual for Operations, Maintenance and Emergencies--** During atmospheric corrosion control records review in Walla Walla it was noted that there were several pages of records which did not have a signature or name, just a date. CNG CP 754.033 requires a signature on each page. Additionally, it was noted the many different ways that CNG field personnel “signed” the forms: initials, first name, last name, or a combination of all three. The practice should be consistent for all personnel.

**131) 192.619 Maximum Allowable Operating Pressure Steel or plastic pipelines:** CNG has reviewed all of its high pressure pipelines in all units looking for missing data used to confirm MAOP including this unit. CNG has formulated a program to obtain all missing data and Pipeline Safety is currently reviewing. **HOWEVER**, pressure test records for the 8” Attalia Line were asked for during this inspection. CNG did not have complete pressure test records (per Kathleen Chirgwin, GO). In reviewing CNG’s table of missing information submitted to Pipeline Safety as part of the above mentioned program, pressure testing records were **NOT** listed as missing only “pipe grade” was listed as missing. Note: This portion of the code is not retroactive and the 8” Attalia line was installed pre code, however, CNG still must confirm MAOP per 192.619, if these documents cannot be found.

**138) 480-93-140(1) Service regulators:** Records indicated that regulators R31 Kennewick, R37 Pasco, R39 Finley, R64 Kennewick had springs installed which were outside the set pressures of the regulator or relief. While not necessarily a violation of the code, CNG should have some documentation as to why this practice is being used. CNG did not provide documentation. It should be noted, this same situation occurred in the Yakima/Sunnyside district inspection (9/27/13). At that time, CNG stated that GO Engineering establishes and approves all set points and spring ranges for regulators. CNG stated they would have justification “soon” and so it was not written into the report. As of the date of this report, CNG still has not provided justification. It should also be noted, that Emerson (Fisher) was contacted to ask whether this situation was a safety concern. Nathan Wilhelm, Applications Engineer, stated it was not a safety concern, but may be a reliability or accuracy issue. They recommend operators use springs (the lighter the better) which are in operating range of the set point of the regulators/relief.

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**140)** 480-93-185(1) Gas leak investigation: CNG failed to grade 3 leaks as noted below. Two of these leaks were severed lines which either the EFV prevented gas from blowing or the line was pinched off by the perpetrator stopping gas from blowing. CNG responders did not grade the leak (ie the line was severed, even though gas was not blowing, it should have been assigned a grade 1). The other failure to grade was listed as “blowing gas” in the grade column—it was not given a numeric grade per CNG’s CP 750.

**143)** 480-93-186(3) Leak Evaluation—2 instances were noted where CNG failed to follow up to previous leaks within the required 30 days.

**146)** 480-93-188(1) Gas leak surveys—CNG uses printouts from its GIS system to allow field crews the ability to “highlight” the pipelines which they survey on a real time basis. During the inspection, several pipeline segments, stubs or services were not highlighted. In some instances, there was an issue such as a locked gate preventing access. CNG’s procedure requires this to be noted on a separate “AOC” sheet so it could be surveyed at a later date. Several, however, which were not highlighted as surveyed, did not appear on AOC sheet and therefore, it could not be determined if the line had actually been surveyed. See attached sheets for locations. . See attached sheets for locations (Walla Walla).

**154)** 480-93-188(5) Gas Survey Records. CNG does quarterly patrolling of the Columbia Mall rooftop. During the patrol they also do leak surveys, however, they do not write down the instrument number on the patrol form—there actually is not a place on the form to write it. The form used in Walla Walla, does have a place for this information. This form should be used for patrolling to assist field crews in writing down information.

<b>HQ Address:</b> Cascade Natural Gas Corporation 8113 W. Grandridge Blvd Kennewick WA 99336	<b>System/Unit Name &amp; Address:</b> Cascade Natural Gas Corporation 200 N Union Kennewick WA, 99336  Cascade Natural Gas Corporation PO Box 687 324 W Rose St Walla Walla, WA 99362-1847
<b>Co. Official:</b> Eric Martuscelli <b>Phone No.:</b> <b>Fax No.:</b> (509) 572-0294 <b>Emergency Phone No.:</b> (509) 737-9803 1-888-522-1130	<b>Phone No.:</b> (509) 783-7361 (Kennewick) (509) 524-1880 (Walla Walla) <b>Fax No.:</b> (509) 457-8112 (Kennewick) (509) 529-9733 (Walla Walla) <b>Emergency Phone No.:</b> 1-888-522-1130

Persons Interviewed	Title	Phone No.
Tina Beach	Manager, Standards & Compliance	(509) 734-4576
Kevin McCallum	Pipeline Safety Specialist	(509) 736-5542
Chris Grissom	Pipeline Safety Specialist	(541) 706-6292
Patti Chartrey	Pipeline Safety Specialist	(360) 405-4231
Kendall Youngblood	District Operations Manager	(509) 736-5548
Teresa Esparza	District Manager	(509) 736-5547
Mike Eutsey	District Manager (Walla Walla)	(509) 524-1882

<b>WUTC staff conducted an abbreviated procedures inspection on 192 O&amp;M and WAC items that changed since the last inspection. This checklist focuses on Records and Field items per a routine standard inspection.</b> (check one below and enter appropriate date)			
<input type="checkbox"/>	Team inspection was performed (Within the past five years.) or,	<b>Date:</b>	
<input checked="" type="checkbox"/>	Other WUTC Inspector reviewed the O & M Manual (Since the last yearly review of the manual by the operator.)	<b>Date:</b>	October 16-18, and 23, 2012

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<input type="checkbox"/>	OQ Program Review (PHMSA Form 14)	<b>Date:</b>	
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**GAS SYSTEM OPERATIONS**

<b>Gas Supplier</b>		Williams	
<b>Services:</b> Residential 22,398 (Kennewick), 12,920 (Walla Walla)    Commercial 3,139 Kennewick, 1,400 Walla Walla    Industrial 25 (Kennewick, 5 (Walla Walla)    Other			
Number of reportable safety related conditions last year    0		Number of deferred leaks in system    0	
Number of <u>non-reportable</u> safety related conditions last year    0		Number of third party hits last year    17 (Kennewick), 24 (Walla Walla)	
Miles of transmission pipeline within unit (total miles and miles in class 3 & 4 areas)    0		Miles of main within inspection unit (total miles and miles in class 3 & 4 areas)    668.14 miles of main and 270.67 miles of service (Kennewick), 230.5 miles of main and 173.3 miles of service (Walla Walla)	
<b>Operating Pressure(s):</b>		<b>MAOP (Within last year)</b>	<b>Actual Operating Pressure (At time of Inspection If checked)</b>
Feeder:	Kennewick District: from annual maintenance records  Pasco: inlet/outlet  R9/O-04—150/54 R40/O-05—278/50 O-09--  Kennewick:  R15/O-03--250 MAOP R14/O-08—148.5/58  Finley:  23-O-01--200 MAOP 23-O-02--250 MAOP  Paterson/Plymouth  R56/O-06—136.2/58 O-07--400 MAOP  Walla Walla District: 26-O-01—140/57	Kennewick District:  Pasco: inlet/outlet  23-O-04—150/55 23-O-05—300/60 23-O-09--300  Kennewick:  23-O-03—250/60 23-O-08—240/60  Finley:  23-O-01--200 23-O-02--250  Paterson/Plymouth  23-O-06—500/60 23-O-07--400  Walla Walla District: 26-O-01—150/60	Kennewick District:  Pasco: inlet/outlet  23-O-04-- 23-O-05—280.5/44.4 23-O-09--  Kennewick:  23-O-03-- 23-O-08—147.4/55  Finley:  23-O-01--200 23-O-02--250  Paterson/Plymouth  23-O-06--150 23-O-07--400  Walla Walla District: 26-O-01—136/52
Town:			
Other:			
Does the operator have any transmission pipelines?		Yes, none in this unit	
Compressor stations? Use Attachment 1.		Yes, none in this unit	

<b>Pipe Specifications:</b>			
Year Installed (Range)	1954 to Present	Pipe Diameters (Range)	½” to 8”
Material Type	Steel and Plastic (PE)	Line Pipe Specification Used	API 5L, 3408 PE, 2406 MDPE
Mileage Kennewick	668.14 Miles of Main 270.67 Miles of Service	SMYS %	Less than 20%

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Walla Walla	230.5 miles main 173.3 miles Service		
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**Operator Qualification Field Validation**

**Important:** Per OPS, the OQ Field Inspection Protocol Form (Rev 4, May 2007) 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/Uploaded**

**Integrity Management Field Validation**

**Important:** Per PHMSA, IMP Field Verification Form (Rev 6/18/2012) 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/Uploaded:** N/A--Transmission was covered in a separate inspection April 10-13 and April 18, 2012

**PART 199 Drug and Alcohol Testing Regulations and Procedures**

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

**REPORTING RECORDS**

			S	U	N/A	N/C
1.	49 U.S.C. 60132, Subsection (b)	<b>For Gas Transmission Pipelines and LNG Plants. Submission of Data to the National Pipeline Mapping System Under the Pipeline Safety Improvement Act of 2002</b> Updates to NMPS: Operators are required to make update submissions every 12 months if any system modifications have occurred. <u>If no modifications have occurred since the last complete submission (including operator contact information), send an email to <a href="mailto:opsgis@rspa.dot.gov">opsgis@rspa.dot.gov</a> stating that fact.</u> Include operator contact information with all updates.	X			
2.	RCW 81.88.080	Pipeline Mapping System: Has the operator provided accurate maps (or updates) of pipelines, operating over two hundred fifty pounds per square inch gauge, to specifications developed by the commission sufficient to meet the needs of first responders?	X			
3.	191.5	Immediate Notice of certain incidents to <b>NRC (800) 424-8802</b> , or electronically at <a href="http://www.nrc.uscg.mil/nrchp.html">http://www.nrc.uscg.mil/nrchp.html</a> , and additional report if significant new information becomes available. Operator must have a written procedure for calculating an initial estimate of the amount of product released in an accident. <b>No incidents as described in 191.3</b>			X	
4.	191.7	Reports (except SRCR and offshore pipeline condition reports) must be submitted electronically to PHMSA at <a href="http://portal.phmsa.dot.gov/pipeline">http://portal.phmsa.dot.gov/pipeline</a> at unless an alternative reporting method is authorized IAW with paragraph (d) of this section.	X			
5.	191.15(a)	30-day follow-up written reports to PHMSA ( <b>Form F7100.2</b> ) Submittal must be electronically to <a href="http://pipelineonlinereporting.phmsa.dot.gov">http://pipelineonlinereporting.phmsa.dot.gov</a> <b>No 30-d follow up reports</b>			X	
6.	191.15(c)	Supplemental report (to 30-day follow-up) <b>No supplemental reports</b>			X	
7.	191.17	<b>Complete and submit DOT Form PHMSA F 7100-2.1 by March 15 of each calendar year for the preceding year. (NOTE: June 15, 2011 for the year 2010). Issue is bare steel in 2011 and none in 2012 and CNG is not sure</b>	X			
8.	191.22	Each operator must obtain an OPID, validate its OPIDs, and notify PHMSA of certain events at <a href="http://portal.phmsa.dot.gov/pipeline">http://portal.phmsa.dot.gov/pipeline</a>	X			
9.	191.23	Filing the <b>Safety Related Condition Report (SRCR)</b> <b>No SRCR reports</b>			X	

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10.	191.25  49 U.S.C. 60139, Subsection (b)(2)	Filing the SRCR within 5 days of determination, but not later than 10 days after discovery. <b>No SRCR reports</b> <b>Note:</b> Operators of gas transmission pipelines that if the pipeline pressure exceeds maximum allowable operating pressure (MAOP) plus the build-up, owner/operator must report the exceedance to PHMSA <b>on or before the fifth day</b> following the date on which the exceedance occurs.  The report should be titled “Gas Transmission MAOP Exceedance” and provide the following information: <ul style="list-style-type: none"> <li>• The name and principal address of the operator date of the report, name, job title, and business telephone number of the person submitting the report.</li> <li>• The name, job title, and business telephone number of the person who determined the condition exists.</li> <li>• The date the condition was discovered and the date the condition was first determined to exist.</li> <li>• The location of the condition, with reference to the town/city/county and state or offshore site, and as appropriate, nearest street address, offshore platform, survey station number, milepost, landmark, and the name of the commodity transported or stored.</li> <li>• The corrective action taken before the report was submitted and the planned follow-up or future corrective action, including the anticipated schedule for starting and concluding such action.</li> </ul>			X	
11.	.605(d)	Instructions to enable operation and maintenance personnel to recognize potential <b>Safety Related Conditions</b>	X			
12.	191.27	Offshore pipeline condition reports – filed within 60 days after the inspections <b>No offshore pipelines</b>			X	
13.	192.727(g)	Abandoned facilities offshore, onshore crossing commercially navigable waterways reports <b>No abandoned facilities offshore or onshore</b>			X	
14.	480-93-200(1)	Telephonic Reports to <b>UTC Pipeline Safety Incident Notification 1-888-321-9144</b> (Within <b>2 hours</b> ) for events which results in;				
15.	480-93-200(1)(a)	A fatality or personal injury requiring hospitalization; <b>No reports for fatalities or injuries</b>			X	
16.	480-93-200(1)(b)	Damage to property of the operator and others of a combined total exceeding fifty thousand dollars; <b>no reports for damage exceeding \$50,000</b>			X	
17.	480-93-200(1)(c)	The evacuation of a building, or high occupancy structures or areas; <b>2012-1; 2013-2, 3 total in Walla Walls 2-2012</b>	X			
18.	480-93-200(1)(d)	The unintentional ignition of gas; <b>1-2012 Fire in Walla Walla 9/2012</b>	X			
19.	480-93-200(1)(e)	The unscheduled interruption of service furnished by any operator to twenty five or more distribution customers; <b>no interruption of service for 25 or more customers</b>			X	
20.	480-93-200(1)(f)	A pipeline pressure exceeding the MAOP plus ten percent or the maximum pressure allowed by proximity considerations outlined in WAC 480-93-020; <b>no MAOP exceedances</b>			X	
21.	480-93-200(1)(g)	Is significant, in the judgment of the operator, even though it does not meet the criteria of (a) through (f) of this subsection; <b>none</b>			X	
22.	480-93-200(2)	Telephonic Reports to <b>UTC Pipeline Safety Incident Notification 1-888-321-9146</b> (Within <b>24 hours</b> ) for;				
23.	480-93-200(2)(a)	The uncontrolled release of gas for more than two hours; <b>none since last inspection</b>			X	
24.	480-93-200(2)(b)	The taking of a high pressure supply or transmission pipeline or a major distribution supply gas pipeline out of service; <b>none since last inspection</b>			X	
25.	480-93-200(2)(c)	A gas pipeline operating at low pressure dropping below the safe operating conditions of attached appliances and gas equipment; or <b>none since last inspection</b>			X	
26.	480-93-200(2)(d)	A gas pipeline pressure exceeding the MAOP <b>none since last inspection</b>			X	
27.	480-93-200(4)	Did written incident reports (within 30 days of telephonic notice) include the following				
28.	480-93-200(4)(a)	Name(s) and address(es) of any person or persons injured or killed, or whose property was damaged;	X			
29.	480-93-200(4)(b)	The extent of injuries and damage;	X			

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30.	480-93-200(4)(c)	A description of the incident or hazardous condition including the date, time, and place, and reason why the incident occurred. If more than one reportable condition arises from a single incident, each must be included in the report;	X			
31.	480-93-200(4)(d)	A description of the gas pipeline involved in the incident or hazardous condition, the system operating pressure at that time, and the MAOP of the facilities involved;	X			
32.	480-93-200(4)(e)	The date and time the gas pipeline company was first notified of the incident;	X			
33.	480-93-200(4)(f)	The date and time the ((operators')) gas pipeline company's first responders arrived on-site;	X			
34.	480-93-200(4)(g)	The date and time the gas ((facility)) pipeline was made safe;	X			
35.	480-93-200(4)(h)	The date, time, and type of any temporary or permanent repair that was made;	X			
36.	480-93-200(4)(i)	The cost of the incident to the ((operator)) gas pipeline company;	X			
37.	480-93-200(4)(j)	Line type;	X			
38.	480-93-200(4)(k)	City and county of incident; and	X			
39.	480-93-200(4)(l)	Any other information deemed necessary by the commission.	X			
40.	480-93-200(5)	Supplemental report if required information becomes available after 30 day report submitted <b>No Supplemental reports</b>			X	
41.	480-93-200(6)	Written report within 5 days of receiving the <b>failure analysis</b> of any incident or hazardous condition due to <b>construction defects or material failure</b> <b>No failure analyses</b>			X	
42.	480-93-200(7)	<b>Filing Reports of Damage to Gas Pipeline Facilities to the commission. (eff 4/1/2013)</b> (Via the commission's Virtual DIRT system or on-line damage reporting form)				
43.	480-93-200(7)(a)	Does the operator report to the commission the requirements set forth in RCW 19.122.053(3) (a) through (n)	X			
44.	480-93-200(7)(b)	Does the operator report the name, address, and phone number of the person or entity that the company has reason to believe may have caused damage due to excavations conducted <u>without facilities locates</u> first being completed?	X			
45.	480-93-200(7)(c)	Does the operator retain all damage and damage claim records it creates related to damage events reported under 93-200(7)(b), including photographs and documentation supporting the conclusion that a facilities locate was not completed? <b>Note:</b> Records maintained for two years and made available to the commission upon request.	X			
46.	480-93-200(8)	Does the operator provide the following information to excavators who damage gas pipeline facilities?				
47.	480-93-200(8)(a)	<ul style="list-style-type: none"> <li>• Notification requirements for excavators under RCW 19.122.050(1)</li> </ul>	X			
48.	480-93-200(8)(b)	<ul style="list-style-type: none"> <li>• A description of the excavator's responsibilities for reporting damages under RCW 19.122.053; and</li> </ul>	X			
49.	480-93-200(8)(c)	<ul style="list-style-type: none"> <li>• Information concerning the safety committee referenced under RCW 19.122.130, including committee contact information, and the process for filing a complaint with the safety committee.</li> </ul>	X			
50.	480-93-200(9)	<b>Reports to the commission only when the operator or its contractor observes or becomes aware of the following activities...</b> <ul style="list-style-type: none"> <li>• An excavator digs within thirty-five feet of a transmission pipeline, as defined by RCW 19.122.020(26) without first obtaining a facilities locate; (200(9)(a)</li> <li>• A person intentionally damages or removes marks indicating the location or presence of gas pipeline facilities. 200(9)(b)</li> </ul>	X			
51.	480-93-200(10)	<b>Annual Reports</b> filed with the commission no later than <b>March 15</b> for the proceeding calendar year				
52.	480-93-200(10)(a)	A copy of PHMSA F-7100.1-1 and F-7100.2-1 annual report required by U.S. Department of Transportation, PHMSA/Office of Pipeline Safety	X			
53.	480-93-200(10)(b)	Reports detailing all construction defects and material failures resulting in leakage. Categorizing the different types of construction defects and material failures. The report must include the following: (i) Types and numbers of construction defects; and (ii) Types and numbers of material failures.	X			
54.	480-93-200(11)	Providing updated emergency contact information to the commission and appropriate officials of all municipalities where gas pipeline companies have facilities	X			



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<b>55.</b>	480-93-200(12)	Providing by email, reports of daily construction and repair activities no later than 10:00 a.m.	X			
<b>56.</b>	480-93-200(13)	Submitting copy of DOT Drug and Alcohol Testing MIS Data Collection Form when required	X			

**Comments:**

<b>CUSTOMER and EXCESS FLOW VALVE INSTALLATION NOTIFICATION</b>			<b>S</b>	<b>U</b>	<b>N/A</b>	<b>N/C</b>
<b>57.</b>	192.16	<b>Customer notification</b> - Customers notified, within <b>90 days</b> , of their responsibility for those service lines not maintained by the operator	X			
<b>58.</b>	192.381	Does the excess flow valve meet the performance standards prescribed under §192.381?	X			
<b>59.</b>	192.383	Does the operator have an installation and reporting program for excess flow valves and does the program meet the requirements outlined in §192.383? Are records adequate?	X			

**Comments:**

<b>CONSTRUCTION RECORDS</b>			<b>S</b>	<b>U</b>	<b>N/A</b>	<b>N/C</b>
<b>60.</b>	480-93-013	OQ records for personnel performing New Construction covered tasks <b>David Cantu, Jeff Woodall—OK pressure testing, welding, Carl Anderson, Northwest Metal Fab OK PE-Fusion; Colby Kadinger, CNG, pressure testing, fusion, cold applied tape; Dave Barnes, Northwest Metal Fab-fusion, Dave Barnes-welding (SMAW)</b>	X			
<b>61.</b>	192.225	Test Results to Qualify Welding Procedures	X			
<b>62.</b>	192.227	Welder Qualification <b>Woodall, Cantu OK, Barnes-OK</b>	X			
<b>63.</b>	480-93-080(1)(b)	Appendix C Welders re-qualified <b>2/Yr (7.5Months) CNG does not use Appx C welders</b>			X	
<b>64.</b>	480-93-080(2)	Plastic pipe joiners re-qualified <b>1/Yr (15 Months) Cantu</b>	X			
<b>65.</b>	480-93-080(2)(b)	Plastic pipe joiners re-qualified if no production joints made during any 12 month period <b>no re qualification due to lack of production joints</b>			X	
<b>66.</b>	480-93-080(2)(c)	Tracking Production Joints or Re-qualify joiners <b>1/Yr (12Months)</b>	X			
<b>67.</b>	480-93-115(2)	Test leads on casings (without vents) installed after 9/05/1992	X			
<b>68.</b>	480-93-115(3)	Sealing ends of casings or conduits on transmission lines and mains <b>no records since last inspection</b>			X	
<b>69.</b>	480-93-115(4)	Sealing ends (nearest building wall) of casings or conduits on services mains <b>no records since last inspection</b>			X	
<b>70.</b>	192.241(a)	Visual Weld Inspector Training/Experience <b>no records since last inspection</b>			X	
<b>71.</b>	192.243(b)(2)	Nondestructive Technician Qualification <b>no records since last inspection</b>			X	
<b>72.</b>	192.243(c)	NDT procedures	X			
<b>73.</b>	192.243(f)	Total Number of Girth Welds <b>4" Patterson Uprate 4" welds</b>	X			

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CONSTRUCTION RECORDS			S	U	N/A	N/C
74.	192.243(f)	Number of Welds Inspected by NDT <b>NDT not required for 4" welds</b>			X	
75.	192.243(f)	Number of Welds Rejected <b>no records since last inspection</b>			X	
76.	192.243(f)	Disposition of each Weld Rejected <b>no records since last inspection</b>			X	
77.	.273/.283	Qualified Joining Procedures Including Test Results	X			
78.	192.303	Construction Specifications <b>No specifications use CNG procedures</b>			X	
79.	192.325 WAC 480-93-178(4)(5)	Underground Clearances	X			
80.	192.327	Amount, location, cover of each size of pipe installed	X			
81.	480-93-160(1)	Report filed <b>45 days</b> prior to construction or replacement of transmission pipelines $\geq$ <b>100</b> feet in length <b>No transmission</b>			X	
82.	480-93-160(2)	Did report describe the proposed route and the specifications for the pipeline and must include, but is not limited to the following items: <b>No transmission</b>			X	
83.	480-93-160(2)(a)	Description and purpose of the proposed pipeline; <b>No transmission</b>			X	
84.	480-93-160(2)(b)	Route map showing the type of construction to be used throughout the length of the line, and delineation of class location as defined in 49 CFR Part 192.5, and incorporated boundaries along the route. <b>No transmission</b>			X	
85.	480-93-160(2)(c)	Location and specification of principal valves, regulators, and other auxiliary equipment to be installed as a part of the pipeline system to be constructed <b>No transmission</b>			X	
86.	480-93-160(2)(d)	MAOP for the gas pipeline being constructed; <b>No transmission</b>			X	
87.	480-93-160(2)(e)	Location and construction details of all river crossings or other unusual construction requirements encountered en route. <b>No transmission</b>			X	
88.	480-93-160(2)(f)	Proposed corrosion control program to be followed inc specs for coating and wrapping, and method to ensure the integrity of the coating using holiday detection equipment; <b>No transmission</b>			X	
89.	480-93-160(2)(g)	Welding specifications; and <b>No transmission</b>			X	
90.	480-93-160(2)(h)	Bending procedures to be followed if needed. <b>No transmission</b>			X	
91.	480-93-170(1)	Commission notified 2 days prior to pressure testing pipelines with an MAOP producing a hoop stress $\geq$ <b>20% SMYS?</b> <b>No transmission</b>			X	
92.	480-93-170(7)	Pressure tests records at a minimum include required information listed under 480-93-170(a-h)	X			
93.	480-93-170(9)	Individual pressure test records maintained for single installations where multiple pressure tests were performed?	X			
94.	480-93-170(10)	Pressure Testing Equipment checked for accuracy/intervals (Manufacturers Rec or Operators schedule)	X			
95.	480-93-175(2)	Study prepared and approved prior to moving and lowering of metallic pipelines $>$ <b>60 psig</b> <b>No lowering</b>			X	
96.	480-93-175(4)	Leak survey within <b>30 days</b> of moving or lowering pipelines $\leq$ <b>60 psig</b> <b>No lowering</b>			X	

**Comments:**

- 1) Replace casing #7 Finley 4/2011
- 2) R16 Patterson Gate Station 6/2013
- 3) 2" PE Oregon and California, Pasco 9/2012
- 4) 2" Steel main extension Dalles-Military Rd Walla Walla
- 5) 2" MDPE Main Extension Phase II Sunset Development Walla Walla

OPERATIONS and MAINTENANCE RECORDS			S	U	N/A	N/C
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OPERATIONS and MAINTENANCE RECORDS			S	U	N/A	N/C
97.	192.517(a)	Pressure Testing (operates at or above 100 psig) – <b>useful life of pipeline 4” Patterson uprate OK.</b> NOTE: CNG has reviewed all of its high pressure pipelines in all units looking for missing data used to confirm MAOP including this unit. CNG has formulated a program to obtain all missing data and Pipeline Safety is currently reviewing. HOWEVER, pressure test records for the 8” Attalia Line were asked for during this inspection. CNG did not have complete pressure test records (per Kathleen Chirgwin, GO). In reviewing CNG’s table of missing information submitted to Pipeline Safety as part of the above mentioned program, pressure testing records were NOT listed as missing only “pipe grade” was listed as missing.		X		
98.	192.517(b)	Pressure Testing (operates below 100 psig, service lines, plastic lines) – <b>5 year Looked at steel services from 1973. Tested to 100 – 120 psi</b>	X			
99.	192.605(a)	Procedural Manual Review – Operations and Maintenance ( <b>1 per yr/15 months</b> ) <b>Note:</b> Including review of OQ procedures as <u>suggested</u> by PHMSA - ADB-09-03 dated 2/7/09 Atmos Corrosion records not signed per CP 754.033 (WAC 480-93-180(1))		X		
100.	192.605(b)(3)	Availability of construction records, maps, operating history to operating personnel	X			
101.	480-93-018(3)	Records, including maps and drawings updated within <b>6 months</b> of completion of construction activity?	X			
102.	192.605(b)(8)	Periodic review of personnel work – effectiveness of normal O&M procedures	X			
103.	192.605(c)(4)	Periodic review of personnel work – effectiveness of abnormal operation procedures <b>No transmission</b>			X	
104.	192.609	Class Location Study ( <b>If applicable</b> ) <b>No transmission</b>			X	
105.	192.611	Confirmation or revision of MAOP <b>No confirmation or revision to MAOP</b>			X	
106.		<b>Damage Prevention (Operator Internal Performance Measures)</b>				
107.		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)	X			
108.		Does operator including performance measures in facility locating services contracts with corresponding and meaningful incentives and penalties? <b>CNG performs all locates</b>			X	
109.		Do locate contractors address performance problems for persons performing locating services through mechanisms such as re-training, process change, or changes in staffing levels? <b>CNG performs all locates</b>			X	
110.	192.614	Does the operator periodically review the Operator Qualification plan criteria and methods used to qualify personnel to perform locates?	X			
111.		Review operator locating and excavation <u>procedures</u> for compliance with state law and regulations.	X			
112.		Are locates are being made within the timeframes required by state law and regulations? Examine record sample.	X			
113.		Are locating and excavating personnel properly <u>qualified</u> in accordance with the operator’s Operator Qualification plan and with federal and state requirements?	X			
114.		Follow-up inspection performed on the pipeline where there is reason to believe the pipeline could be damaged .614(c) (6) <b>No follow up inspections</b> 1. Is the inspection the done as frequently as necessary during and after the activities to verify the integrity of the pipeline? 2. In the case of blasting, does the inspection include leakage surveys?			X	

**Comments:**

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115.		<b>Emergency Response Plans</b>	S	U	N/A	N/C																										
116.	192.603(b)	Prompt and effective response to each type of emergency .615(a)(3) <b>Note:</b> Review operator records of previous accidents and failures including third-party damage and leak response	X																													
117.	192.615(b)(1)	Location Specific Emergency Plan	X																													
118.	192.615(b)(2)	Emergency Procedure training, verify effectiveness of training	X																													
119.	192.615(b)(3)	Employee Emergency activity review, determine if procedures were followed.	X																													
120.	192.615(c)	Liaison Program with Public Officials	X																													
121.	192.616	<b>Public Awareness Program</b>																														
122.	192.616(e&f)	Documentation properly and adequately reflects implementation of operator’s Public Awareness Program requirements - Stakeholder Audience identification, message type and content, delivery method and frequency, supplemental enhancements, program evaluations, etc. (i.e. contact or mailing rosters, postage receipts, return receipts, audience contact documentation, etc. for emergency responder, public officials, school superintendents, program evaluations, etc.). See table below: <b>The new CNG PAP inspection occurred 9-17-2013 by Patti Johnson. As such, the areas as noted below were not checked as part of this inspection.</b>				X																										
123.		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.																														
124.		<b>API RP 1162 Baseline* Recommended Message Deliveries</b>																														
125.		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Stakeholder Audience (LDC’s)</th> <th style="text-align: center;">Baseline Message Frequency (starting from effective date of Plan)</th> </tr> </thead> <tbody> <tr> <td>Residence Along Local Distribution System</td> <td>Annual</td> </tr> <tr> <td>LDC Customers</td> <td>Twice annually</td> </tr> <tr> <td>One-Call Centers</td> <td>As required of One-Call Center</td> </tr> <tr> <td>Emergency Officials</td> <td>Annual</td> </tr> <tr> <td>Public Officials</td> <td>3 years</td> </tr> <tr> <td>Excavator and Contractors</td> <td>Annual</td> </tr> <tr> <th style="text-align: center;">Stakeholder Audience (Transmission line operators)</th> <th style="text-align: center;">Baseline Message Frequency (starting from effective date of Plan)</th> </tr> <tr> <td>Residence Along Local Distribution System</td> <td>2 years</td> </tr> <tr> <td>One-Call Centers</td> <td>As required of One-Call Center</td> </tr> <tr> <td>Emergency Officials</td> <td>Annual</td> </tr> <tr> <td>Public Officials</td> <td>3 years</td> </tr> <tr> <td>Excavator and Contractors</td> <td>Annual</td> </tr> </tbody> </table>	Stakeholder Audience (LDC’s)	Baseline Message Frequency (starting from effective date of Plan)	Residence Along Local Distribution System	Annual	LDC Customers	Twice annually	One-Call Centers	As required of One-Call Center	Emergency Officials	Annual	Public Officials	3 years	Excavator and Contractors	Annual	Stakeholder Audience (Transmission line operators)	Baseline Message Frequency (starting from effective date of Plan)	Residence Along Local Distribution System	2 years	One-Call Centers	As required of One-Call Center	Emergency Officials	Annual	Public Officials	3 years	Excavator and Contractors	Annual				
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126.		* Refer to API RP 1162 for additional requirements, including general program recommendations, supplemental requirements, recordkeeping, program evaluation, etc.																														
127.	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. <b>see above</b>				X																										
128.	.616(h)	IAW API RP 1162, the operator’s program should be reviewed for effectiveness within four years of the date the operator’s program was first completed. <b>For operators in existence on June 20, 2005, who must have completed their written programs no later than June 20, 2006, the first evaluation is due no later than June 20, 2010.</b> .616(h) <b>see above</b>				X																										
129.	192.616(j)	Operators of a Master Meter or petroleum gas system – public awareness messages 2 times annually: <b>no master meters</b> (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.			X																											

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130.	192.617	Review operator records of accidents and failures including laboratory analysis where appropriate to determine cause and prevention of recurrence .617 <b>Note:</b> Including excavation damage and leak response records (PHMSA area of emphasis) (NTSB B.10)	X			
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**Comments:**

131.	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) CNG has reviewed all of its high pressure pipelines in all units looking for missing data used to confirm MAOP including this unit. CNG has formulated a program to obtain all missing data and Pipeline Safety is currently reviewing. However, pressure test records for the 8" Attalia Line were asked for during this inspection. CNG did not have complete pressure test record (per Kathleen Chirgwin). In reviewing CNG missing information submitted to Pipeline Safety as part of the above mentioned program, pressure testing records were NOT listed as missing only "pipe grade" was listed as missing.		X		
132.	480-93-015(1)	Odorization of Gas – Concentrations adequate	X			
133.	480-93-015(2)	Monthly Odorant Sniff Testing	X			
134.	480-93-015(3)	Prompt action taken to investigate and remediate odorant concentrations not meeting the minimum requirements concentrations all meet minimums			X	
135.	480-93-015(4)	Odorant Testing Equipment Calibration/Intervals (Annually or Manufacturers Recommendation)	X			
136.	480-93-124(3)	Pipeline markers attached to bridges or other spans inspected? 1/yr(15 months)	X			
137.	480-93-124(4)	Markers reported missing or damaged replaced within 45 days?	X			
138.	480-93-140(2)	Service regulators and associated safety devices tested during initial turn-on Spring ranges for several regs see below		X		
139.	480-93-155(1)	Up-rating of system MAOP to >60 psig? Procedures and specifications submitted 45 days prior?			X	
140.	480-93-185(1)	Reported gas leaks promptly investigated? Graded in accordance with 480-93-186? Records retained? Kennewick see below		X		
141.	480-93-185(3)(a)	Leaks originating from a foreign source. Take appropriate action to protect life and property regarding the pipeline company's own facilities, and;			X	
142.	480-93-185(3)(b)	Leaks originating from a foreign source reported promptly/notification by mail. Records retained?			X	
143.	480-93-186(3)	Leak evaluations: Are follow-up inspections performed within 30 days of a leak repair? Found several leak records where follow up exceeded 30 d. See below.		X		
144.	480-93-186(4)	Leak evaluations: Grade 1 and 2 leaks (if any), downgraded once to a grade 3 without physical repair? No leaks downgraded			X	
145.	480-93-187	Gas leak records: at a minimum include required information listed under 480-93-187(1-13)	X			
146.	480-93-188(1)	Gas leak surveys 1) CNG uses RMLD laser for leak detection. Two separate areas in leak survey Pasco 2013 and Kennewick 2013 had services which did not get highlighted on map		X		
147.	480-93-188(2)	Gas detection instruments tested for accuracy/intervals (Mfct recommended or monthly not to exceed 45 days)	X			
148.	480-93-188(3)	Leak survey frequency (Refer to Table Below)	X			

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		Business Districts ( <b>implement by 6/02/07</b> )	1/yr (15 months)															
		High Occupancy Structures	1/yr (15 months)															
		Pipelines Operating ≥ 250 psig	1/yr (15 months)															
		Other Mains: CI, WI, copper, unprotected steel	2/yr (7.5 months)															
149.	480-93-188(4)(a)	Special leak surveys - Prior to paving or resurfacing, following street alterations or repairs <b>2 2012, 1 in 2013</b>	X															
150.	480-93-188(4)(b)	Special leak surveys - areas where substructure construction occurs adjacent to underground gas facilities, and damage could have occurred <b>3 in 2012, 3 in 2013</b>	X															
151.	480-93-188(4)(c)	Special leak surveys - Unstable soil areas where active gas lines could be affected			X													
152.	480-93-188(4)(d)	Special leak surveys - areas and at times of unusual activity, such as earthquake, floods, and explosions			X													
153.	480-93-188(4)(e)	Special leak surveys - After third-party excavation damage to services, operators must perform a gas leak survey to eliminate the possibility of multiple leaks and underground migration into nearby buildings.	X															
154.	480-93-188(5)	Gas Survey Records ( <b>Min 5 yrs</b> ) and at a minimum include required information listed under 480-93-188 (5) (a-f) . <b>Leak survey/patrolling mall rooftop quarterly, need to have all leak survey info on form—need updated form like used in Walla Walla</b>		X														
155.	480-93-188(6)	Leak program - Self Audits	X															
156.	192.709	Patrolling (Transmission Lines) ( <b>Refer to Table Below</b> ) .705 <b>No transmission</b>			X													
<table border="1"> <thead> <tr> <th>Class Location</th> <th>At Highway and Railroad Crossings</th> <th>At All Other Places</th> </tr> </thead> <tbody> <tr> <td><b>1 and 2</b></td> <td><b>2/yr (7½ months)</b></td> <td><b>1/yr (15 months)</b></td> </tr> <tr> <td><b>3</b></td> <td><b>4/yr (4½ months)</b></td> <td><b>2/yr (7½ months)</b></td> </tr> <tr> <td><b>4</b></td> <td><b>4/yr (4½ months)</b></td> <td><b>4/yr (4½ months)</b></td> </tr> </tbody> </table>							Class Location	At Highway and Railroad Crossings	At All Other Places	<b>1 and 2</b>	<b>2/yr (7½ months)</b>	<b>1/yr (15 months)</b>	<b>3</b>	<b>4/yr (4½ months)</b>	<b>2/yr (7½ months)</b>	<b>4</b>	<b>4/yr (4½ months)</b>	<b>4/yr (4½ months)</b>
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157.	192.709	Leak Surveys (Transmission Lines) ( <b>Refer to Table Below</b> ) .706 <b>No transmission</b>			X													
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158.	192.603(b)	Patrolling Business District ( <b>4 per yr/4½ months</b> ) .721(b)(1) <b>No anticipated physical movement or loading</b>			X													
159.	192.603(b)	Patrolling Outside Business District ( <b>2 per yr/7½ months</b> ) 192.721(b)(2) ) <b>No anticipated physical movement or loading</b>			X													
160.	192.603(b)	Leakage Survey - Outside Business District ( <b>5 years</b> ) 192 .723(b)(1)	X															
161.	192.603(b)	Leakage Survey 192.723(b)(2) <b>no cathodically unprotected steel lines</b> <ul style="list-style-type: none"> <li>• Outside Business District (<b>5 years</b>)</li> <li>• Cathodically unprotected distribution lines (<b>3 years</b>)</li> </ul>			X													
162.	192.603(b)	Tests for Reinstating Service Lines 192.725 <b>No reinstated service lines</b>			X													
163.	192.603(b)/.727(g)	Abandoned Pipelines; Underwater Facility Reports 192.727 <b>no abandoned pipelines</b>			X													
164.	192.709	Pressure Limiting and Regulating Stations ( <b>1 per yr/15 months</b> ) .739																
165.	192.709	Pressure Limiting and Regulator Stations – Capacity ( <b>1 per yr/15 months</b> ) .743	X															
166.	192.709	Valve Maintenance – Transmission ( <b>1 per yr/15 months</b> ) .745 <b>no transmission</b>			X													
167.	192.709	Valve Maintenance – Distribution ( <b>1 per yr/15 months</b> ) .747	X															
168.	480-93-100(3)	Service valve maintenance ( <b>1 per yr/15 months</b> )	X															
169.	192.709	Vault maintenance (≥ <b>200 cubic feet</b> )( <b>1 per yr/15 months</b> ) .749 <b>No vaults this size</b>			X													

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170.	192. 603(b)	Prevention of Accidental Ignition (hot work permits) .751 <b>CNG does not use hot work permits</b>			X	
171.	192. 603(b)	Welding – Procedure 192.225(b)	X			
172.	192. 603(b)	Welding – Welder Qualification 192.227/.229	X			
173.	192. 603(b)	NDT – NDT Personnel Qualification .243(b)(2)	X			
174.	192.709	NDT Records ( <b>pipeline life</b> ) .243(f)	X			
175.	192.709	Repair: pipe ( <b>pipeline life</b> ); Other than pipe ( <b>5 years</b> )	X			
176.	192.905(c)	Periodically examining their transmission line routes for the appearance of newly identified area's (HCA's) <b>no transmission</b>			X	

**Comments:**

138) 480-93-140(1) In 2012 and 13, regulators R31 Kennewick, R37 Pasco, R39 Finley, R64 Kennewick had springs with ranges outside the set pressures of the regulator/relief. This was also an issue in Yakima/Sunnyside.

140) (1)WO #197180, 10/25/12 no grade-pinch off-line severed not graded; (2) WO# 200264, 3/14/13 “Blowing Gas” in grade column-Not per CP 750; (3) WO#200503, 3/16/13 “0” placed in the grade column-EFV prevented blowing gas, line severed not graded.

143) WO# 194048, 6/22/12—In 6/22/12; Fol 8/30/12 > 30-d; WO#202022, 9/5/13—In 9/5/13, Fol 10/8/13 > 30-d.

146) See attached leak survey maps with non-highlighted pipelines circled in blue ink.

<b>CORROSION CONTROL RECORDS</b>			<b>S</b>	<b>U</b>	<b>N/A</b>	<b>N/C</b>
177.	192.455(a)(1)	Pipeline coatings meet requirements of 192.461 ( <i>for buried pipelines installed after 7/31/71</i> )	X			
178.	192.455(a)(2)	CP system installed on and operating within 1 yr of completion of pipeline construction ( <i>after 7/31/71</i> )	X			
179.	192.465(a)	Annual Pipe-to-soil Monitoring ( <b>1 per yr/15 months</b> ) for short sections ( <b>10% per year; all in 10 years</b> )	X			
180.	192.491	Test Lead Maintenance .471	X			
181.	192.491	Maps or Records .491(a)	X			
182.	192.491	Examination of Buried Pipe when exposed .459	X			
183.	480-93-110(8)	CP test reading on all exposed facilities where coating has been removed	X			
184.	192.491	Annual Pipe-to-soil monitoring ( <b>1 per yr/15 months</b> ) .465(a)	X			
185.	192.491	Rectifier Monitoring ( <b>6 per yr/2½ months</b> ) .465(b)	X			
186.	192.491	Interference Bond Monitoring – Critical ( <b>6 per yr/2½ months</b> ) .465(c) <b>no interference or critical bonds</b>			X	
187.	192.491	Interference Bond Monitoring – Non-critical ( <b>1 per yr/15 months</b> ) .465(c) <b>no interference or critical bonds</b>			X	
188.	480-93-110(2)	Remedial action taken within 90 days (Up to 30 additional days if other circumstances. Must document) .465(d)	X			
189.	480-93-110(3)	CP equipment/ instrumentation maintained, tested for accuracy, calibrated, and operated in accordance with manufactures recommendations, or at appropriate schedule determined by gas company if no recommendation.	X			
190.	192.491	Unprotected Pipeline Surveys, CP active corrosion areas ( <b>1 per 3 cal yr/39 months</b> ) .465(e) <b>no active corrosion areas on bare steel</b>			X	

**Utilities and Transportation Commission**  
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<b>CORROSION CONTROL RECORDS</b>			<b>S</b>	<b>U</b>	<b>N/A</b>	<b>N/C</b>
191.	192.491	Electrical Isolation ( <b>Including Casings</b> ) .467	X			
192.	480-93-110(5)	Casings inspected/tested annually not to exceed <b>fifteen months</b>	X			
193.	480-93-110(5)(a)	Casings w/no test leads installed prior to 9/05/1992. Demonstrate other acceptable test methods	X			
194.	480-93-110(5)(b)	Possible shorted conditions – Perform confirmatory follow-up inspection within <b>90 days</b>	X			
195.	480-93-110(5)(c)	Casing shorts cleared when practical <b>None cleared, but shorted casings are now on a schedule to be cleared in 2014, 2015.</b>			X	
196.	480-93-110(5)(d)	Shorted conditions leak surveyed within 90 days of discovery. <b>Twice annually/7.5 months</b>	X			
197.	192.491	Interference Currents .473 <b>no interference currents</b>			X	
198.	192.491	Internal Corrosion; Corrosive Gas Investigation .475(a) <b>CNG does not have corrosive gas or corrosion</b>			X	
199.	192.491	Internal Corrosion; Internal Surface Inspection; Pipe Replacement .475(b)	X			
200.	192.491	Internal Corrosion Control Coupon Monitoring ( <b>2 per yr/7½ months</b> ) .477 <b>CNG does not have corrosive gas or corrosion</b>			X	
201.	192.491	Atmospheric Corrosion Control Monitoring ( <b>1 per 3 cal yr/39 months onshore; 1 per yr/15 months offshore</b> ) .481	X			
202.	192.491	Remedial: Replaced or Repaired Pipe; coated and protected; corrosion evaluation and actions .483/.485 <b>No pipelines replaced because of corrosion</b>			X	

**Comments:**

<b>PIPELINE INSPECTION (Field)</b>			<b>S</b>	<b>U</b>	<b>N/A</b>	<b>N/C</b>
203.	192.161	Supports and anchors	X			
204.	480-93-080(1)(d)	Welding procedures located on site where welding is performed? <b>Did not witness welding during field inspection</b>			X	
205.	480-93-080(1)(b)	Use of testing equipment to record and document essential variables			X	
206.	480-93-080(2)(a)	Plastic procedures located on site where welding is performed? <b>Did not witness fusion during field inspection</b>			X	
207.	480-93-080(3)	Identification and qualification cards/certificates w/name of welder/joiner, their qualifications, date of qualification and operator whose qualification procedures were followed. <b>Did not witness welding during field inspection</b>			X	
208.	480-93-013	Personnel performing “New Construction” covered tasks OQ qualified? <b>Did not observe new construction tasks</b>			X	
209.	480-93-015(1)	Odorization	X			
210.	480-93-018(3)	Updated records, inc maps and drawings made available to appropriate operations personnel?	X			
211.	192.179	Valve Protection from Tampering or Damage	X			
212.	192.455	Pipeline coatings meet requirements of 192.461 ( <i>for buried pipelines installed after 7/31/71</i> )	X			
213.	192.463	Levels of cathodic protection	X			
214.	192.465	Rectifiers	X			
215.	192.467	CP - Electrical Isolation	X			
216.	192.476	Systems designed to reduce internal corrosion <b>CNG does not have corrosive gas or corrosion</b>			X	
217.	192.479	Pipeline Components exposed to the atmosphere	X			



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PIPELINE INSPECTION (Field)			S	U	N/A	N/C
218.	192.481	Atmospheric Corrosion: monitoring	X			
219.	192.491	Test Stations – Sufficient Number .469	X			
220.	480-93-115(2)	Casings – Test Leads (casings w/o vents installed after 9/05/1992)	X			
221.	480-93-115(2)	Mains or transmission lines installed in casings/conduit. Are casing ends sealed? <b>Not observed in field inspection</b>			X	
222.	480-93-115(4)	Service lines installed in casings/conduit. Are casing ends nearest to building walls sealed? ? <b>Not observed in field inspection</b>			X	
223.	192.605(a)	Appropriate parts of manuals kept at locations where O&M activities are conducted	X			
224.	192.605	Knowledge of Operating Personnel	X			
225.	480-93-124	Pipeline markers	X			
226.	480-93-124(4)	Markers reported missing or damaged replaced within <b>45 days?</b> <b>None observed in field, records show replaced w/in 45 d.</b>			X	
227.	192.719	Pre-pressure Tested Pipe ( <b>Markings and Inventory</b> ) <b>No pretested pipe</b>			X	
228.	192.195	Overpressure protection designed and installed where required?	X			
229.	192.739/743	Pressure Limiting and Regulating Devices ( <b>Mechanical/Capacities</b> )	X			
230.	192.741	Telemetry, Recording Gauges	X			
231.	192.751	Warning Signs	X			
232.	192.355	Customer meters and regulators. Protection from damage	X			
233.	192.355(c)	Pits and vaults: Able to support vehicular traffic where anticipated. <b>No vaults observed in traffic loading conditions</b>			X	
234.	480-93-140	Service regulators installed, operated and maintained per state/fed regs and manufacturers recommended practices?	X			
235.	480-93-178(2)	Plastic Pipe Storage facilities – Maximum Exposure to Ultraviolet Light (2yrs)	X			
236.	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. <b>No trenches or pits observed during field inspection</b>			X	
237.	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 <b>No trenches or pits observed during field inspection</b>			X	
238.	480-93-178(6)	Are there Temporary above ground PE pipe installations currently? <b>Yes    No X</b>				
239.	480-93-178(6)(a)	If yes, is facility monitored and protected from potential damage?				
240.	480-93-178(6)(b)	If installation exceeded 30 days, was commission staff notified prior to exceeding the deadline?				
241.	192.745	Valve Maintenance (Transmission) <b>No transmission</b>			X	
242.	192.747	Valve Maintenance (Distribution)	X			

**Facility Sites Visited:**

Facility Type	Facility ID Number	Location
Regulator Station	R14	Kennewick
Odorizer	O8	Kennewick (at R14)
Rectifier	GB4	Kennewick
Regulator	R87	Richland
Regulator	R40	Pasco
Odorizer	O-05	Pasco (at R40)

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PIPELINE INSPECTION (Field)			S	U	N/A	N/C
Rectifier	GB at shop	Walla Walla				
Sniff Test Station	324 W Rose St	Walla Walla				
Casing	Woodland 600' N of Abatie	Walla Walla				
Regulator	R1	Walla Walla				
Odorizer	O-01	Walla Walla (at R1)				
Valve	V31	Walla Walla (at R1)				

<b>Comments:</b>
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**Recent Gas Pipeline Safety Advisory Bulletins: (Last 2 years)**

<u>Number</u>	<u>Date</u>	<u>Subject</u>
ADB-2013-07	July 12, 13	Potential for Damage to Pipeline Facilities Caused by Flooding
ADB-2012-10	Dec 5, 12	Using Meaningful Metrics in Conducting Integrity Management Program Evaluations
ADB-2012-09	Oct 11, 12	Communication During Emergency Situations
ADB-2012-08	Jul 31, 12	Inspection and Protection of Pipeline Facilities After Railway Accidents
ADB-12-07	Jun 11, 12	Mechanical Fitting Failure Reports
ADB-12-06	May 7, 12	Verification of Records establishing MAOP and MOP
ADB-12-05	Mar 23, 12	Cast Iron Pipe (Supplementary Advisory Bulletin)
ADB -12-04	Mar 21, 12	Implementation of the National Registry of Pipeline and Liquefied Natural Gas Operators
ADB-12-03	Mar 6, 12	Notice to Operators of Driscopipe 8000 High Density Polyethylene Pipe of the Potential for Material Degradation
ADB-11-05	Sep 1, 11	Potential for Damage to Pipeline Facilities Caused by the Passage of Hurricanes

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

# Attachment 1

## Distribution Operator Compressor Station Inspection

Unless otherwise noted, all code references are to 49CFR Part 192. S – Satisfactory U – Unsatisfactory N/A – Not Applicable N/C – Not Checked  
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243. .605(b)		<b>COMPRESSOR STATION PROCEDURES NO COMPRESSION IN THIS UNIT</b>	S	U	N/A	N/C
244.		.605(b)(6) Maintenance procedures, including provisions for isolating units or sections of pipe and for purging before returning to service				
245.		.605(b)(7) Starting, operating, and shutdown procedures for gas compressor units				
246.		.731 Inspection and testing procedures for remote control shutdowns and pressure relieving devices ( <b>1 per yr/15 months</b> ), prompt repair or replacement				
247.		.735 (a) Storage of excess flammable or combustible materials at a safe distance from the compressor buildings				
248.		(b) Tank must be protected according to <b>NFPA #30</b>				
249.		.736 Compressor buildings in a compressor station must have fixed gas detection and alarm systems ( <b>must be performance tested</b> ), unless:				
250.		<ul style="list-style-type: none"> <li>• <b>50% of the upright side areas</b> are permanently open, or</li> </ul>				
251.		<ul style="list-style-type: none"> <li>• It is an unattended field compressor station of <b>1000 hp or less</b></li> </ul>				

**Comments:**

<b>COMPRESSOR STATION O&amp;M PERFORMANCE AND RECORDS</b>			S	U	N/A	N/C
252.	.709	.731(a) Compressor Station Relief Devices ( <b>1 per yr/15 months</b> )				
253.		.731(c) Compressor Station Emergency Shutdown ( <b>1 per yr/15 months</b> )				
254.		.736(c) Compressor Stations – Detection and Alarms ( <b>Performance Test</b> )				

**Comments:**

<b>COMPRESSOR STATIONS INSPECTION (Field)</b>			S	U	N/A	N/C
(Note: Facilities may be “Grandfathered”)						
255.	.163	(c) Main operating floor must have (at least) two (2) separate and unobstructed exits				
256.		Door latch must open from inside without a key				
257.		Doors must swing outward				
258.	(d)	Each fence around a compressor station must have (at least) 2 gates or other facilities for emergency exit				
259.		Each gate located within 200 ft of any compressor plant building must open outward				
260.		When occupied, the door must be opened from the inside without a key				
261.	(e)	Does the equipment and wiring within compressor stations conform to the <b>National Electric Code, ANSI/NFPA 70?</b>				
262.	.165	(a) If applicable, are there liquid separator(s) on the intake to the compressors?				
263.		(b) Do the liquid separators have a manual means of removing liquids?				
264.		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?				

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COMPRESSOR STATIONS INSPECTION (Field)			S	U	N/A	N/C
(Note: Facilities may be “Grandfathered”)						
265.	.167	(a) ESD system must:				
266.		- Discharge blowdown gas to a safe location				
267.		- Block and blow down the gas in the station				
268.		- Shut down gas compressing equipment, gas fires, electrical facilities in compressor building and near gas headers				
269.		- Maintain necessary electrical circuits for emergency lighting and circuits needed to protect equipment from damage				
270.		ESD system must be operable from at least two locations, each of which is:				
271.	.167	- Outside the gas area of the station				
272.		- Not more than 500 feet from the limits of the station				
273.		- ESD switches near emergency exits?				
274.		(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?				
275.		(c) Are ESDs on platforms designed to actuate automatically by...				
276.		- For unattended compressor stations, when:				
277.		▪ The gas pressure equals MAOP plus 15%?				
278.		▪ An uncontrolled fire occurs on the platform?				
279.		- For compressor station in a building, when				
280.		▪ An uncontrolled fire occurs in the building?				
281.		▪ Gas in air reaches 50% or more of LEL in a building with a source of ignition (facility conforming to <b>NEC Class 1, Group D</b> is not a source of ignition)?				
282.	.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.				
283.		(b) Do the compressor station prime movers (other than electrical movers) have over-speed shutdown?				
284.		(c) Do the compressor units alarm or shutdown in the event of inadequate cooling or lubrication of the unit(s)?				
285.		(d) Are the gas compressor units equipped to automatically stop fuel flow and vent the engine if the engine is stopped for any reason?				
286.		(e) Are the mufflers equipped with vents to vent any trapped gas?				
287.	.173	Is each compressor station building adequately ventilated?				
288.	.457	Is all buried piping cathodically protected?				
289.	.481	Atmospheric corrosion of aboveground facilities				
290.	.603	Does the operator have procedures for the start-up and shut-down of the station and/or compressor units?				
291.		Are facility maps current/up-to-date?				
292.	.615	Emergency Plan for the station on site?				
293.	.619	Review pressure recording charts and/or SCADA				
294.	.707	Markers				
295.	.731	Overpressure protection – relief’s or shutdowns				
296.	.735	Are combustible materials in quantities exceeding normal daily usage, stored a safe distance from the compressor building?				
297.		Is aboveground oil or gasoline storage tanks protected in accordance with <b>NFPA standard No. 30?</b>				
298.	.736	Gas detection – location				

**Comments:**

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