

**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			
<b>Inspection ID/Docket Number</b>	5818		
<b>Inspector Name &amp; Submit Date</b>	Dave Cullom 9/26/2014		
<b>Chief Eng Name &amp; Review/Date</b>	Joe Subsits, 10/1/2014		
Operator Information			
<b>Name of Operator:</b>	Northwest Natural Gas	<b>OP ID #:</b>	13840
<b>Name of Unit(s):</b>	Columbia Gorge		
<b>Records Location:</b>	Portland Oregon, NWN HQ		
<b>Date(s) of Last (unit) Inspection:</b>	June 2011	<b>Inspection Date(s):</b>	Aug 26-29,2014

**Inspection Summary:**

This standard inspection consisted of a records review and had a field inspection component. In the field we reviewed, CP PSP readings, checked for casing isolation, operated mainline valves, and conducted odorant sniff tests. We checked pressure control records for over-pressure protection and verified pressure set points, lock-up, and test over-pressure protection devices for proper operation. Field readings were taken in White Salmon, Bingen, North Bonneville, Carson, Klickitat, John Day, and Dallesport. The records review occurred in Portland and we met at The Dalles Service Center each morning for the field portion. There were four probable violations in this inspection.

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**PROBABLE VIOLATIONS**

1. WAC 480-93-188 Gas leak surveys.  
 (2) Each gas pipeline company must maintain, test for accuracy, calibrate and operate gas detection instruments in accordance with the manufacturer's recommendations. If there are no written manufacturer's recommendations or schedules, then the gas pipeline company must test such instruments for accuracy at least monthly, but not to exceed forty-five days between testing, and at least twelve times per year. The gas pipeline company must recalibrate or remove from service any such instrument that does not meet applicable tolerances. Records of accuracy checks, calibration and other maintenance performed must be maintained for five years.

Finding(s):  
 The operator has not produced a calibration report for the leak detection unit #402356 used for leak surveys on 5/14/12.  
 The operator has not produced a calibration report for the leak detection unit #402357 used for leak surveys on 6/13/12.

2. WAC 480-93-180 Plans and procedures.  
 (1) Each gas pipeline company must have and follow a gas pipeline plan and procedure manual (manual) for operation, maintenance, inspection, and emergency response activities that is specific to the gas pipeline company's system. The manual must include plans and procedures for meeting all applicable requirements of 49 CFR §§ 191, 192 and chapter 480-93 WAC, and any plans or procedures used by a gas pipeline company's associated contractors.

Finding(s):  
 Northwest Natural's definition of a business district is less stringent than the code requires.  
 WAC 480-93-005 Definitions.

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**Inspection Summary:**

(3)(a) "Business district" means an area where the public regularly congregates or where the majority of the buildings on either side of the street are regularly utilized, for financial, commercial, industrial, religious, educational, health, or recreational purposes.

NWN Standard Practice Washington Rev 3-25-13 reads:

“Business district – An area containing gas mains or services (facilities) measuring at least 1000 continuous feet in length in at least one direction, where the public regularly congregates or where the majority of the buildings on either side of the street are regularly used for financial, commercial, industrial, religious, educational, health, or recreational purposes; and Where the gas mains and/or services are predominantly located under continuous pavement extending from the centerline of the gas facility to the building wall; or Any other area that, in NW Natural’s judgment should be so designated.”

3. WAC 480-93-188 Gas leak surveys.

(3) Each gas pipeline company must conduct gas leak surveys according to the following minimum frequencies:

(a) Business districts - at least once annually, but not to exceed fifteen months between surveys. All mains in the right of way adjoining a business district must be included in the survey;

**Finding(s):**

There are no business districts identified in Washington for the Columbia Gorge inspection unit. No areas have been leak surveyed since 2011. January 2011 is as far back as the report indicates. It is unknown how long it has been since a business district leak survey has been performed in this inspection unit.

The operator’s definition of a business district is less stringent than what the code requires. White Salmon, Bingen, North Bonneville (Evergreen Drive), and areas of Carson likely meet the definition of a business district as defined in the WAC:

4. WAC 480-93-188 Gas leak surveys.

(3) Each gas pipeline company must conduct gas leak surveys according to the following minimum frequencies:

(b) High occupancy structures or areas - at least once annually, but not to exceed fifteen months between surveys;

WAC 480-93-005 Definitions.

(14) "High occupancy structure or area" means a building or an outside area (such as a playground, recreation area, outdoor theater, or other place of public assembly) that is occupied by twenty or more persons on at least five days a week for ten weeks in any twelve-month period. (The days and weeks need not be consecutive.)

**Finding(s):**

Missing High Occupancy Structure – Bonneville Hot Springs Resort & Spa.

Address: 1252 E Cascade Dr., North Bonneville, WA 98639 – It was not on the list that was provided during the inspection. There were only seven buildings identified for the entire unit. This building has been open to the public and in business for some time and there is no record of it being part of the NWN’s special building survey.

<b>HQ Address:</b> 220 NW Second Avenue Portland, OR 97209		<b>System/Unit Name &amp; Address:</b> 1125 Bargeway Rd The Dalles, OR	
<b>Co. Official:</b> <b>Phone No.:</b> <b>Fax No.:</b> <b>Emergency Phone No.:</b>	Grant M. Yoshihara 503-226-4211 ext 2374  503-226-4211 Ext 4613	<b>Phone No.:</b> <b>Fax No.:</b> <b>Emergency Phone No.:</b>	  Gas Control 503-226-4211 Ext 4613
<b>Persons Interviewed</b>		<b>Title</b>	<b>Phone No.</b>

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Samantha Burt	Compliance Specialist	503-226-4211
Kerry Shampine, PE	Manager Code Compliance	503-226-4211
Dakota Duncan	Compliance Specialist	503-226-4211
Margaret Locke	Code Compliance/ Compliance Engineer	503-226-4211
Yogi Rattay	Field Supervisor - Gorge	800-422-4012 ext 8632
James Greger	Welding Inspector QA	503-226-4211 ext 4341

<b>WUTC staff conducted an abbreviated procedures inspection on 192 O&amp;M and WAC items that changed since the last inspection. This checklist focuses on Records and Field items per a routine standard inspection.</b>			
(check one below and enter appropriate date)			
<input type="checkbox"/>	Team inspection was performed (Within the past five years.) or,	<b>Date:</b>	
<input type="checkbox"/>	Other WUTC Inspector reviewed the O & M Manual (Since the last yearly review of the manual by the operator.)	<b>Date:</b>	In 2012 by SZ
<input type="checkbox"/>	OQ Program Review (PHMSA Form 14)	<b>Date:</b>	4/2012

<b>GAS SYSTEM OPERATIONS</b>			
<b>Gas Supplier</b>	Williams		
<b>Services:</b>			
<b>69,354 for the Washington Area (Clark Co Included)</b>			
<i>Residential</i>	<i>Commercial</i>	<i>Industrial</i>	<i>Other</i>
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 73 for all of Washington (2013 rpt)	
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) Whole area (Washington) 1719.2 miles of main. Operator did not have data for class three and four.	
<b>Operating Pressure(s):</b>		<b>MAOP in psig (Within last year)</b>	<b>Actual Operating Pressure in psig (At time of Inspection)</b>
Town:	North Bonneville	150	97
	Carson	150	142
	White Salmon (White Salmon and Bingen run together.)	160	148
	Klickitat	500	80
	Dallesport	250	160
	John Day	On Nitrogen - idle	On Nitrogen - idle
Other:			
Does the operator have any transmission pipelines?		Yes in separate unit.	
Compressor stations? Use Attachment 1.		No compressors	

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<b>Pipe Specifications:</b>			
Year Installed (Range)	1950 – present (AnnRpt)	Pipe Diameters (Range)	1-8in
Material Type	Steel, PE,	Line Pipe Specification Used	API5L, ASTM D2513
Mileage	1719.2	SMYS %	<20% (distribution pressure)

<b>Operator Qualification Field Validation</b>	
<b>Important:</b> 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 <a href="http://primis.phmsa.dot.gov/oqdb/home.oq">http://primis.phmsa.dot.gov/oqdb/home.oq</a> <b>Date Completed/Uploaded</b> Will upload once Chief Engineer reviews.	

<b>Integrity Management Field Validation</b>	
<b>Important:</b> 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 <a href="http://primis.phmsa.dot.gov/gasimp/home.gim">http://primis.phmsa.dot.gov/gasimp/home.gim</a> <b>Date Completed/Uploaded:</b> This was evaluated in the transmission audit.	

<b>PART 199 Drug and Alcohol Testing Regulations and Procedures</b>		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			

<b>REPORTING RECORDS</b>			S	U	N/A	N/C
1.	<b>49 U.S.C. 60132, Subsection (b)</b>	<b>For Gas Transmission Pipelines and LNG Plants. Submission of Data to the National Pipeline Mapping System Under the Pipeline Safety Improvement Act of 2002</b> Updates to NMPS: Operators are required to make update submissions every 12 months if any system modifications have occurred. <u>If no modifications have occurred since the last complete submission (including operator contact information), send an email to <a href="mailto:opsgis@rspa.dot.gov">opsgis@rspa.dot.gov</a> stating that fact.</u> Include operator contact information with all updates. <b>***Notes – Transmission lines are in another unit***</b>			X	
2.	RCW 81.88.080	Pipeline Mapping System: Has the operator provided accurate maps (or updates) of pipelines, operating over two hundred fifty pounds per square inch gauge, to specifications developed by the commission sufficient to meet the needs of first responders?	X			
3.	191.5	Immediate Notice of certain incidents to NRC (800) 424-8802, or electronically at <a href="http://www.nrc.uscg.mil/nrchp.html">http://www.nrc.uscg.mil/nrchp.html</a> , and additional report if significant new information becomes available. Operator must have a written procedure for calculating an initial estimate of the amount of product released in an accident. <b>***Notes – In Engineering procedure H-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. <b>***Notes – In NWN SP002***</b>	X			
5.	191.15(a)	30-day follow-up written reports to PHMSA (Form F7100.2) Submittal must be electronically to <a href="http://pipelineonlinereporting.phmsa.dot.gov">http://pipelineonlinereporting.phmsa.dot.gov</a> <b>***Notes – None***</b>			X	
6.	191.15(c)	Supplemental report (to 30-day follow-up) <b>***Notes – None***</b>			X	
7.	191.17	Complete and submit DOT Form PHMSA F 7100-2.1 by March 15 of each calendar year for the preceding year. (NOTE: June 15, 2011 for the year 2010). <b>***Notes - 3/14/14 it was submitted.***</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>***Notes – None***</b>			X	

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<b>10.</b>	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>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. <b>****Notes – No occurrences****</b></li> </ul>			X	
<b>11.</b>	.605(d)	Instructions to enable operation and maintenance personnel to recognize potential <b>Safety Related Conditions</b> <b>****Notes – In NWN SP005****</b>	X			
<b>12.</b>	191.27	Offshore pipeline condition reports – filed within 60 days after the inspections			X	
<b>13.</b>	192.727(g)	Abandoned facilities offshore, onshore crossing commercially navigable waterways reports			X	
<b>14.</b>	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; <b>***Notes – In NWN SP002***</b>				
<b>15.</b>	480-93-200(1)(a)	A fatality or personal injury requiring hospitalization;			X	
<b>16.</b>	480-93-200(1)(b)	Damage to property of the operator and others of a combined total exceeding fifty thousand dollars;			X	
<b>17.</b>	480-93-200(1)(c)	The evacuation of a building, or high occupancy structures or areas;			X	
<b>18.</b>	480-93-200(1)(d)	The unintentional ignition of gas;			X	
<b>19.</b>	480-93-200(1)(e)	The unscheduled interruption of service furnished by any operator to twenty five or more distribution customers;			X	
<b>20.</b>	480-93-200(1)(f)	A pipeline pressure exceeding the MAOP plus ten percent or the maximum pressure allowed by proximity considerations outlined in WAC 480-93-020;			X	
<b>21.</b>	480-93-200(1)(g)	Is significant, in the judgment of the operator, even though it does not meet the criteria of (a) through (f) of this subsection;			X	
<b>22.</b>	480-93-200(2)	Telephonic Reports to <b>UTC Pipeline Safety Incident Notification 1-888-321-9146</b> (Within <b>24 hours</b> ) for;				
<b>23.</b>	480-93-200(2)(a)	The uncontrolled release of gas for more than two hours;			X	
<b>24.</b>	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;			X	
<b>25.</b>	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			X	
<b>26.</b>	480-93-200(2)(d)	A gas pipeline pressure exceeding the MAOP			X	
<b>27.</b>	480-93-200(4)	Did written incident reports (within 30 days of telephonic notice) include the following				
<b>28.</b>	480-93-200(4)(a)	Name(s) and address(es) of any person or persons injured or killed, or whose property was damaged;			X	
<b>29.</b>	480-93-200(4)(b)	The extent of injuries and damage;			X	
<b>30.</b>	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	

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<b>31.</b>	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	
<b>32.</b>	480-93-200(4)(e)	The date and time the gas pipeline company was first notified of the incident;			X	
<b>33.</b>	480-93-200(4)(f)	The date and time the ((operators')) gas pipeline company's first responders arrived on-site;			X	
<b>34.</b>	480-93-200(4)(g)	The date and time the gas ((facility)) pipeline was made safe;			X	
<b>35.</b>	480-93-200(4)(h)	The date, time, and type of any temporary or permanent repair that was made;			X	
<b>36.</b>	480-93-200(4)(i)	The cost of the incident to the ((operator)) gas pipeline company;			X	
<b>37.</b>	480-93-200(4)(j)	Line type;			X	
<b>38.</b>	480-93-200(4)(k)	City and county of incident; and			X	
<b>39.</b>	480-93-200(4)(l)	Any other information deemed necessary by the commission.			X	
<b>40.</b>	480-93-200(5)	Supplemental report if required information becomes available after 30 day report submitted			X	
<b>41.</b>	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>			X	
<b>42.</b>	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)				
<b>43.</b>	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			
<b>44.</b>	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 locate</u> first being completed? <b>***Notes - 10 since 2012 In NWN SP 605***</b>	X			
<b>45.</b>	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			
<b>46.</b>	480-93-200(8)	Does the operator provide the following information to excavators who damage gas pipeline facilities?				
<b>47.</b>	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			
<b>48.</b>	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			
<b>49.</b>	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			
<b>50.</b>	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			
<b>51.</b>	480-93-200(10)	<b>Annual Reports</b> filed with the commission no later than <b>March 15</b> for the proceeding calendar year				
<b>52.</b>	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			
<b>53.</b>	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. <b>***** Notes – None for construction defects or material failures since 2011. All of Washington 2 in 2011 2 in 2012 and 0 in 2013. Submitted with annual reports. ****</b>	X			

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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 <b>****NWN SP 619 contains this procedure.****</b>	X			
55.	480-93-200(12)	Providing by email, reports of daily construction and repair activities no later than 10:00 a.m.	X			
56.	480-93-200(13)	Submitting copy of DOT Drug and Alcohol Testing MIS Data Collection Form when required. <b>****Notes – Zane White submits this to PHMSA****</b>	X			

**Comments:**  
12-41 **\*\*\*\*Notes – No occurrences\*\*\*\***

CUSTOMER and EXCESS FLOW VALVE INSTALLATION NOTIFICATION			S	U	N/A	N/C
57.	192.16	<b>Customer notification</b> - Customers notified, within <b>90 days</b> , of their responsibility for those service lines not maintained by the operator <b>****Notes - Reviewed the mailer "Houseline B1-****</b>	X			
58.	192.381	Does the excess flow valve meet the performance standards prescribed under §192.381? <b>****Notes - Reviewed EP-J-7 It is in Section 3.1****</b>	X			
59.	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? <b>****Notes - SP 381 is the installation program. Looked at several EFV installations.****</b>	X			

**Comments:**

CONSTRUCTION RECORDS			S	U	N/A	N/C
60.	480-93-013	OQ records for personnel performing New Construction covered tasks. <b>****Notes – I performed regular and random crew in inspections mand have had no issues.****</b>	X			
61.	192.225	Test Results to Qualify Welding Procedures	X			
62.	192.227	Welder Qualification <b>****Notes – looked at Tidyman job...****</b>	X			
63.	480-93-080(1)(b)	Appendix C Welders re-qualified <b>2/Yr (7.5Months)</b>	X			
64.	480-93-080(2)	Plastic pipe joiners re-qualified <b>1/Yr (15 Months)</b>	X			
65.	480-93-080(2)(b)	Plastic pipe joiners re-qualified if no production joints made during any 12 month period <b>****Notes – James Greger and in SP-250.****</b>	X			
66.	480-93-080(2)(c)	Tracking Production Joints or Re-qualify joiners <b>1/Yr (12Months)</b> <b>****Notes - Kerry S indicated they requalify 2x/yr.****</b>	X			
67.	480-93-115(2)	Test leads on casings (without vents) installed after 9/05/1992. <b>****Notes – Eveything has a vent per Yogi Rattay. (Regional manager)****</b>	X			
68.	480-93-115(3)	Sealing ends of casings or conduits on transmission lines and mains. <b>****Notes – SP160****</b>	X			
69.	480-93-115(4)	Sealing ends (nearest building wall) of casings or conduits on services. <b>****Notes -</b>	X			

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70.	192.241(a)	Visual Weld Inspector Training/Experience <b>****Notes – James is a CWI ans SP-223 is the manual entry****</b>	X			
71.	192.243(b)(2)	Nondestructive Technician Qualification <b>****Notes – N/A This a distribution system****</b>			X	
72.	192.243(c)	NDT procedures <b>****Notes – N/A This a distribution system****</b>			X	
73.	192.243(f)	Total Number of Girth Welds <b>****Notes – N/A This a distribution system****</b>			X	
74.	192.243(f)	Number of Welds Inspected by NDT <b>****Notes – N/A This a distribution system****</b>			X	
75.	192.243(f)	Number of Welds Rejected <b>****Notes – N/A This a distribution system****</b>			X	
76.	192.243(f)	Disposition of each Weld Rejected <b>****Notes – N/A This a distribution system****</b>			X	
77.	.273/.283	Qualified Joining Procedures Including Test Results <b>****Notes - This is in SP-250****</b>	X			
78.	192.303	Construction Specifications	X			
79.	192.325 WAC 480-93-178(4)(5)	Underground Clearances <b>****Notes - SP-150 and 160 Address****</b>	X			
80.	192.327	Amount, location, cover of each size of pipe installed. <b>****Notes - SP-150 and 160 Address****</b>	X			
81.	480-93-160(1)	Report filed <b>45 days</b> prior to construction or replacement of transmission pipelines <b>≥ 100</b> feet in length			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:			X	
83.	480-93-160(2)(a)	Description and purpose of the proposed pipeline;			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.			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			X	
86.	480-93-160(2)(d)	MAOP for the gas pipeline being constructed;			X	
87.	480-93-160(2)(e)	Location and construction details of all river crossings or other unusual construction requirements encountered en route.			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;			X	
89.	480-93-160(2)(g)	Welding specifications; and			X	
90.	480-93-160(2)(h)	Bending procedures to be followed if needed.			X	
91.	480-93-170(1)	Commission notified 2 days prior to pressure testing pipelines with an MAOP producing a hoop stress <b>≥ 20% SMYS?</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? <b>****Notes – This in SP 504 Section 3.6, but no occurance I found in the Gorge when looking at construction records.****</b>	X			
94.	480-93-170(10)	Pressure Testing Equipment checked for accuracy/intervals (Manufacturers Rec or Operators schedule) <b>****Notes – Spot checked several jobs and the gauges associated. Gauge 1663, 1257, 2805, checked out OK****</b>	X			
95.	480-93-175(2)	Study prepared and approved prior to moving and lowering of metallic pipelines <b>&gt; 60 psig *****No - No moving or lowering in Wa State*****</b>			X	
96.	480-93-175(4)	Leak survey within <b>30 days</b> of moving or lowering pipelines <b>≤ 60 psig *****No - No moving or lowering in Wa State*****</b>			X	

**Comments:**



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81-91 \*\*\*\*\*Notes – These questions are for transmission only. It doesn't apply to distribution\*\*\*\*\*

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</b> *****Notes – <b>SP504 Section 3.6 – Is for the life of the pipeline</b> *****	X			
98.	192.517(b)	Pressure Testing (operates below 100 psig, service lines, plastic lines) -- <b>5 year</b> *****Notes - <b>SP511 Section 3.5</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	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? *****Notes - <b>Checked several installation records from 2011-present. All looked OK.</b> *****	X			
102.	192.605(b)(8)	Periodic review of personnel work – effectiveness of normal O&M procedures. *****Notes – <b>There is a program both contractor and company across all fields of operations</b> ***	X			
103.	192.605(c)(4)	Periodic review of personnel work – effectiveness of abnormal operation procedures. *****Notes – <b>QA does on site and post inspections. Also has a post-incident review committee.</b> *****	X			
104.	192.609	Class Location Study ( <b>If applicable</b> ) *****Notes – <b>No segments or systems in this unit over 20% SMYS</b> *****			X	
105.	192.611	Confirmation or revision of MAOP *****Notes – <b>No segments or systems in this unit over 20% SMYS</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) *****Notes – <b>Do QA checks on company on contract locaters. 10/per year per full time employee.</b> *****	X			
108.		Does operator including performance measures in facility locating services contracts with corresponding and meaningful incentives and penalties? *****Notes – <b>Do not specify in contract, but this is a recommended practice</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? *****Notes - <b>The locate company does performance reviews and NWN can request that they do not get a specfic person if they need to.</b> ****	X			
110.	192.614	Does the operator periodically review the Operator Qualification plan criteria and methods used to qualify personnel to perform locates? *****Notes – <b>They are OQed under NWN's plan.</b> ****	X			
111.		Review operator locating and excavation <u>procedures</u> for compliance with state law and regulations. *****Notes – <b>They have their own procedures and the stand-by procedure is used if someone is digging near their line.</b> ****	X			
112.		Are locates are being made within the timeframes required by state law and regulations? Examine record sample. *****Notes - <b>Locates 12089376, 13219399, 13332985, and 11107477 were looked at</b> *****	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			

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OPERATIONS and MAINTENANCE RECORDS			S	U	N/A	N/C
114.		Follow-up inspection performed on the pipeline where there is reason to believe the pipeline could be damaged .614(c) (6) 1. Is the inspection the done as frequently as necessary during and after the activities to verify the integrity of the pipeline? 2. In the case of blasting, does the inspection include leakage surveys? *****Notes – SP 605 addresses this in Section 3.3. – There were no instances of this during this inspection time period.*****	X			

<b>Comments:</b>
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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 ***Notes - Dakota provided the odor and emer resp***	X			
117.	192.615(b)(1)	Location Specific Emergency Plan *****Notes – They have one for the Dalles Service Center*****	X			
118.	192.615(b)(2)	Emergency Procedure training, verify effectiveness of training. *****Notes – All field staff are first responders. There is a quantitative test given they must pass.*****	X			
119.	192.615(b)(3)	Employee Emergency activity review, determine if procedures were followed. *****Notes – Anything that is reportable goes through a complete review, but nothing rose to that level in the last three years.*****	X			
120.	192.615(c)	Liaison Program with Public Officials... *****Notes – A mailing is done with specific information. I checked for 2012.*****	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:	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>				

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125.		<b>Stakeholder Audience (LDC's)</b>	<b>Baseline Message Frequency (starting from effective date of Plan)</b>				
		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				
		<b>Stakeholder Audience (Transmission line operators)</b>	<b>Baseline Message Frequency (starting from effective date of Plan)</b>				
		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				
		126.					
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>**Notes – English is the predominant language in this area.**</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. <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 <b>June 20, 2010</b> . .616(h) <b>****Notes – 11/8/11 is was reviewed for effectiveness.****</b>		X			
129.	192.616(j)	Operators of a Master Meter or petroleum gas system – public awareness messages 2 times annually: (1) A description of the purpose and reliability of the pipeline; (2) An overview of the hazards of the pipeline and prevention measures used; (3) Information about damage prevention; (4) How to recognize and respond to a leak; and (5) How to get additional information. <b>**Notes – NWN is not a master meter operator**</b>				X	
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) <b>****Notes – None for construction defects or material failures since 2011. All of Washington 2 in 2011 2 in 2012 and 0 in 2013.****</b>		X			

**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)	X				
132.	480-93-015(1)	Odorization of Gas – Concentrations adequate	X				

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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 *****Notes – No instances*****			X	
135.	480-93-015(4)	Odorant Testing Equipment Calibration/Intervals (Annually or Manufacturers Recommendation) *****Notes - They use the same units as I checked for the transmission audit. I also checked the unit we used before operating it in the field portion*****	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. ***Notes - This is in SP 383*****	X			
139.	480-93-155(1)	Up-rating of system MAOP to >60 psig? Procedures and specifications submitted 45 days prior? ***Notes – None***			X	
140.	480-93-185(1)	Reported gas leaks promptly investigated? Graded in accordance with 480-93-186? Records retained? *****Notes – The grading procedure is in SP 709.*****	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? *****Notes – In SP 603. Looked at records.*****	X			
143.	480-93-186(3)	Leak evaluations: Are follow-up inspections performed within 30 days of a leak repair? *****Notes – Leak 120937 and 120322 were spot checked	X			
144.	480-93-186(4)	Leak evaluations: Grade 1 and 2 leaks (if any), downgraded once to a grade 3 without physical repair? ***Notes – SP 709 has the practice*****	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	X			
147.	480-93-188(2)	Gas detection instruments tested for accuracy/intervals (Mfct recommended or monthly not to exceed 45 days)  1-016-176 ATMS and Service Survey Looked at most recent. 5/13/09 6/13/12 3 yr interval checked cals Unit 402357 Need 6/13/2012 cals 1-015-176 Main Survey (Last 2 cycles) 6/21/13 and 6/30/08 Checked cals Both OK 1-002-146 Service Survey (Last 2 cycles) 5/14/09 and 5/14/12 402356 Need for 5/14/2012 1-003-110 Most Recent Main and Service 5/15/09 and 5/16/12 402356 Need for 5/16/2012 1-014-096 ATMS, Service, Main, (Last 2 cycles) 5/12/09 5/18/12 402356 Need for 5/18/2012  The operator has not yet been able to produce calibration reports for unit # 402356 used on 5/14/12, 5/16/12, 5/18/12, and unit # 402357 used on 6/13/12.			X	

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148.	480-93-188(3)	<p><b>Leak survey frequency (Refer to Table Below)</b></p> <p><b>Business Districts – Zero identified in Washington. None have been leak surveyed since 2011. 2011 is as far back as the report was pulled by the operator.</b></p> <p>The operator’s definition is less stringent then what the code requires. White Salmon, Bingen, North Bonneville (Evergreen Drive), and areas of Carson would meet the definition of a business district as defined in:</p> <p><b>WAC 480-93-005 Definitions.</b></p> <p>(3) "Business district" means an area where the public regularly congregates or where the majority of the buildings on either side of the street are regularly utilized, for financial, commercial, industrial, religious, educational, health, or recreational purposes.</p> <p>Northwest Natural’s Definition of a business district is less stringent then the code requires.</p> <p><b>NWN Standard Practice Washington Rev 3-25-13 reads:</b></p> <p>“Business district – An area containing gas mains or services (facilities) measuring at least 1000 continuous feet in length in at least one direction, where the public regularly congregates or where the majority of the buildings on either side of the street are regularly used for financial, commercial, industrial, religious, educational, health, or recreational purposes; and Where the gas mains and/or services are predominantly located under continuous pavement extending from the centerline of the gas facility to the building wall; or Any other area that, in NW Natural’s judgment should be so designated.”</p> <hr/> <p><b>Missing High Occupancy Structure – Bonneville Hot Springs Resort &amp; Spa</b></p> <p>Address: 1252 E Cascade Dr, North Bonneville, WA 98639 – It was not on the list that was provided during the inspection. There were only seven buildings identified for the entire unit. This building has been open to the public and in business for some time.</p> <p><b>WAC 480-93-005 Definitions.</b></p> <p>(14) "High occupancy structure or area" means a building or an outside area (such as a playground, recreation area, outdoor theater, or other place of public assembly) that is occupied by twenty or more persons on at least five days a week for ten weeks in any twelve-month period. (The days and weeks need not be consecutive.)</p>			X
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Business Districts (implement by 6/02/07)	1/yr (15 months)
High Occupancy Structures	1/yr (15 months)
Pipelines Operating ≥ 250 psig	1/yr (15 months)
Other Mains: CI, WI, copper, unprotected steel	2/yr (7.5 months)

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149.	480-93-188(4)(a)	Special leak surveys - Prior to paving or resurfacing, following street alterations or repairs ****Notes - No one time surveys within the last several years***			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. ****Notes - No one time surveys within the last several years***			X													
151.	480-93-188(4)(c)	Special leak surveys - Unstable soil areas where active gas lines could be affected ****Notes - No one time surveys within the last several years***			X													
152.	480-93-188(4)(d)	Special leak surveys - areas and at times of unusual activity, such as earthquake, floods, and explosions ****Notes - No one time surveys within the last several years***			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 (Min 5 yrs) and at a minimum include required information listed under 480-93-188 (5) (a-f)	X															
155.	480-93-188(6)	Leak program - Self Audits ****Notes – Last completed 12/16/2011. Due on 12/16/2014 ****	X															
156.	192.709	Patrolling (Transmission Lines) (Refer to Table Below) .705****Notes - No transmission lines in this unit.***			X													
<table border="1"> <thead> <tr> <th>Class Location</th> <th>At Highway and Railroad Crossings</th> <th>At All Other Places</th> </tr> </thead> <tbody> <tr> <td>1 and 2</td> <td>2/yr (7½ months)</td> <td>1/yr (15 months)</td> </tr> <tr> <td>3</td> <td>4/yr (4½ months)</td> <td>2/yr (7½ months)</td> </tr> <tr> <td>4</td> <td>4/yr (4½ months)</td> <td>4/yr (4½ months)</td> </tr> </tbody> </table>							Class Location	At Highway and Railroad Crossings	At All Other Places	1 and 2	2/yr (7½ months)	1/yr (15 months)	3	4/yr (4½ months)	2/yr (7½ months)	4	4/yr (4½ months)	4/yr (4½ months)
Class Location	At Highway and Railroad Crossings	At All Other Places																
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4	4/yr (4½ months)	4/yr (4½ months)																
157.	192.709	Leak Surveys (Transmission Lines) (Refer to Table Below) .706 ****Notes - No transmission lines in this unit.***			X													
<table border="1"> <thead> <tr> <th>Class Location</th> <th>Required</th> <th>Not Exceed</th> </tr> </thead> <tbody> <tr> <td>1 and 2</td> <td>1/yr</td> <td>15 months</td> </tr> <tr> <td>3</td> <td>2/yr</td> <td>7½ months</td> </tr> <tr> <td>4</td> <td>4/yr</td> <td>4½ months</td> </tr> </tbody> </table>							Class Location	Required	Not Exceed	1 and 2	1/yr	15 months	3	2/yr	7½ months	4	4/yr	4½ months
Class Location	Required	Not Exceed																
1 and 2	1/yr	15 months																
3	2/yr	7½ months																
4	4/yr	4½ months																
158.	192.603(b)	Patrolling Business District (4 per yr/4½ months) .721(b)(1) ****Note - No anticipated movement in this unit per the operator****			X													
159.	192.603(b)	Patrolling Outside Business District (2 per yr/7½ months) 192.721(b)(2) ****Note - No anticipated movement in this unit per the operator****			X													
160.	192.603(b)	Leakage Survey - Outside Business District (5 years) 192.723(b)(1) ****Notes – They look at every 3 years.  1-016-176 ATMS and Service Survey Looked at most recent. 1-015-176 Main Survey (Last 2 cycles) 1-002-146 Service Survey (Last 2 cycles) 1-003-110 Most Recent Main and Service 1-014-096 ATMS, Main, Survey (Last 2 cycles)  **Notes – These records checked out OK.***	X															
161.	192.603(b)	Leakage Survey 192.723(b)(2) <ul style="list-style-type: none"> <li>Outside Business District (5 years)</li> <li>Cathodically unprotected distribution lines (3 years) **Notes – No unprotected distribution lines****</li> </ul>	X															
162.	192.603(b)	Tests for Reinstating Service Lines 192.725 ****Notes – In SP 725, but could not find any instances in records***			X													
163.	192.603(b)/.727(g)	Abandoned Pipelines; Underwater Facility Reports 192.727 ***Notes – None***			X													
164.	192.709	Pressure Limiting and Regulating Stations (1 per yr/15 months) .739 ***Notes – Reviewed the last three years. See attachments****	X															
165.	192.709	Pressure Limiting and Regulator Stations – Capacity (1 per yr/15 months) .743****Notes – Reviewed the last three years. See attachments****	X															

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166.	192.709	Valve Maintenance – Transmission (1 per yr/15 months) .745***Notes – Not transmission****			X	
167.	192.709	Valve Maintenance – Distribution (1 per yr/15 months) .747***Notes – Reviewed the last three years. See attachments****	X			
168.	480-93-100(3)	Service valve maintenance (1 per yr/15 months) ***Notes - Columbia Grg - Special Bldg Leak Survey - 2011-2014 contains a field indicating if the curb valve is operated or not.****	X			
169.	192.709	Vault maintenance (≥200 cubic feet)(1 per yr/15 months) .749 ***Notes- No vaults***			X	
170.	192. 603(b)	Prevention of Accidental Ignition (hot work permits) .751 ***Notes – Addressed in SP751****			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) ***Notes – Not a transmission line****			X	
174.	192.709	NDT Records (pipeline life) .243(f) ***Notes – Not a transmission line****			X	
175.	192.709	Repair: pipe (pipeline life); Other than pipe (5 years)	X			
176.	192.905(c)	Periodically examining their transmission line routes for the appearance of newly identified area’s (HCA’s) ***Notes – Not a transmission line****			X	

**Comments:**

<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 (for buried pipelines installed after 7/31/71)	X			
178.	192.455(a)(2)	CP system installed on and operating within 1 yr of completion of pipeline construction (after 7/31/71)	X			
179.	192.465(a)	Annual Pipe-to-soil Monitoring (1 per yr/15 months) for short sections (10% per year; all in 10 years) ***Notes – None in this inspection to observed per the operators report.****			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 *****Notes – Checked several records****	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 (1 per yr/15 months) .465(a)	X			
185.	192.491	Rectifier Monitoring (6 per yr/2½ months) .465(b)	X			
186.	192.491	Interference Bond Monitoring – Critical (6 per yr/2½ months) .465(c) ***Notes - None in unit****			X	
187.	192.491	Interference Bond Monitoring – Non-critical (1 per yr/15 months) .465(c) ***Notes - None in unit****			X	
188.	480-93-110(2)	Remedial action taken within 90 days (Up to 30 additional days if other circumstances. Must document) .465(d) ***Notes – There was a low read at the Dalles Odorizer I noticed in the records, but it was remediated within 30 days****	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			

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<b>CORROSION CONTROL RECORDS</b>			<b>S</b>	<b>U</b>	<b>N/A</b>	<b>N/C</b>
<b>190.</b>	192.491	Unprotected Pipeline Surveys, CP active corrosion areas (1 per 3 cal yr/39 months) .465(e) <b>****Notes – None per NWN****</b>			X	
<b>191.</b>	192.491	Electrical Isolation ( <b>Including Casings</b> ) .467	X			
<b>192.</b>	480-93-110(5)	Casings inspected/tested annually not to exceed <b>fifteen months</b>	X			
<b>193.</b>	480-93-110(5)(a)	Casings w/no test leads installed prior to 9/05/1992. Demonstrate other acceptable test methods <b>**Notes – The casings have test leads****</b>			X	
<b>194.</b>	480-93-110(5)(b)	Possible shorted conditions – Perform confirmatory follow-up inspection within <b>90 days</b> <b>****Notes – No casing shorts****</b>			X	
<b>195.</b>	480-93-110(5)(c)	Casing shorts cleared when practical <b>****Notes – No casing shorts****</b>			X	
<b>196.</b>	480-93-110(5)(d)	Shorted conditions leak surveyed within 90 days of discovery. <b>Twice annually/7.5 months</b> <b>****Notes – No casing shorts****</b>			X	
<b>197.</b>	192.491	Interference Currents .473 <b>****Notes – No interference currents****</b>			X	
<b>198.</b>	192.491	Internal Corrosion; Corrosive Gas Investigation .475(a) <b>***Notes – NWNs DIMP manual state that IC is not an issue with their system.****</b>			X	
<b>199.</b>	192.491	Internal Corrosion; Internal Surface Inspection; Pipe Replacement .475(b)	X			
<b>200.</b>	192.491	Internal Corrosion Control Coupon Monitoring (2 per yr/7½ months) .477 <b>****Notes – No IC coupons****</b>			X	
<b>201.</b>	192.491	Atmospheric Corrosion Control Monitoring (1 per 3 cal yr/39 months onshore; 1 per yr/15 months offshore) .481	X			
<b>202.</b>	192.491	Remedial: Replaced or Repaired Pipe; coated and protected; corrosion evaluation and actions .483/.485	X			

**Comments:**

<b>PIPELINE INSPECTION (Field)</b>			<b>S</b>	<b>U</b>	<b>N/A</b>	<b>N/C</b>
<b>203.</b>	192.161	Supports and anchors	X			
<b>204.</b>	480-93-080(1)(d)	Welding procedures located on site where welding is performed? <b>**Notes – No construction observed in this audit***</b>			X	
<b>205.</b>	480-93-080(1)(b)	Use of testing equipment to record and document essential variables <b>**Notes – No construction observed in this audit***</b>			X	
<b>206.</b>	480-93-080(2)(a)	Plastic procedures located on site where welding is performed? <b>**Notes – No construction observed in this audit***</b>			X	
<b>207.</b>	480-93-080(3)	Identification and qualification cards/certificates w/name of welder/joiner, their qualifications, date of qualification and operator whose qualification procedures were followed. <b>**Notes – No construction observed in this audit***</b>			X	
<b>208.</b>	480-93-013	Personnel performing “New Construction” covered tasks OQ qualified? <b>**Notes – No construction observed in this audit***</b>			X	
<b>209.</b>	480-93-015(1)	Odorization <b>***Notes – Took reading at 102 Dow Rd in the field. It was .06% first detect and .25% readily Gas/Air.</b>	X			
<b>210.</b>	480-93-018(3)	Updated records, inc maps and drawings made available to appropriate operations personnel?	X			
<b>211.</b>	192.179	Valve Protection from Tampering or Damage	X			
<b>212.</b>	192.455	Pipeline coatings meet requirements of 192.461 (for buried pipelines installed after 7/31/71)	X			
<b>213.</b>	192.463	Levels of cathodic protection	X			
<b>214.</b>	192.465	Rectifiers	X			
<b>215.</b>	192.467	CP - Electrical Isolation	X			



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

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PIPELINE INSPECTION (Field)			S	U	N/A	N/C
216.	192.476	Systems designed to reduce internal corrosion	X			
217.	192.479	Pipeline Components exposed to the atmosphere	X			
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?	X			
222.	480-93-115(4)	Service lines installed in casings/conduit. Are casing ends nearest to building walls sealed?	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>	X			
227.	192.719	Pre-pressure Tested Pipe ( <b>Markings and Inventory</b> )**** <b>Notes – Did not observe or inspect any 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 <b>**Notes – I did not see any charts or recording equipment****</b>			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>**Notes – I did not observe any pits or vaults*****</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) <b>**Notes – The pipe storage is in The Dalles and it was all within the time limit for outside storage.****</b>	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>**Notes – No construction observed in this audit***</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>**Notes – No construction observed in this audit***</b>			X	
238.	480-93-178(6)	Are there Temporary above ground PE pipe installations currently? <b>Yes    No</b> X				
239.	480-93-178(6)(a)	If yes, is facility monitored and protected from potential damage? <b>**Notes – No temporary PE installations***</b>			X	
240.	480-93-178(6)(b)	If installation exceeded 30 days, was commission staff notified prior to exceeding the deadline? <b>**Notes – No temporary PE installations***</b>			X	
241.	192.745	Valve Maintenance (Transmission) <b>**Notes – No transmission in this unit***</b>			X	
242.	192.747	Valve Maintenance (Distribution)	X			

**Facility Sites Visited:**

Facility Type	Facility ID Number	Location

**Utilities and Transportation Commission**  
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<b>PIPELINE INSPECTION (Field)</b>	<b>S</b>	<b>U</b>	<b>N/A</b>	<b>N/C</b>

**Comments:**

**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

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		<b>COMPRESSOR STATION PROCEDURES</b>	<b>S</b>	<b>U</b>	<b>N/A</b>	<b>N/C</b>
243.	.605(b)					
244.		.605(b)(6) Maintenance procedures, including provisions for isolating units or sections of pipe and for purging before returning to service			X	
245.		.605(b)(7) Starting, operating, and shutdown procedures for gas compressor units			X	
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			X	
247.		.735 (a) Storage of excess flammable or combustible materials at a safe distance from the compressor buildings			X	
248.		(b) Tank must be protected according to <b>NFPA #30</b>			X	
249.		.736 Compressor buildings in a compressor station must have fixed gas detection and alarm systems ( <b>must be performance tested</b> ), unless:			X	
250.		• <b>50% of the upright side areas</b> are permanently open, or			X	
251.		• It is an unattended field compressor station of <b>1000 hp or less</b>			X	

**Comments:**  
**\*\*Notes – No compressor stations\*\***

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

**Comments:**  
**\*\*Notes – No compressor stations\*\***

				<b>COMPRESSOR STATIONS INSPECTION (Field)</b>	<b>S</b>	<b>U</b>	<b>N/A</b>	<b>N/C</b>
				(Note: Facilities may be “Grandfathered”)				
255.	.163	(c)	Main operating floor must have (at least) two (2) separate and unobstructed exits				X	
256.			Door latch must open from inside without a key				X	
257.			Doors must swing outward				X	
258.		(d)	Each fence around a compressor station must have (at least) 2 gates or other facilities for emergency exit				X	
259.			Each gate located within 200 ft of any compressor plant building must open outward				X	
260.			When occupied, the door must be opened from the inside without a key				X	
261.		(e)	Does the equipment and wiring within compressor stations conform to the <b>National Electric Code, ANSI/NFPA 70?</b>				X	
262.	.165	(a)	If applicable, are there liquid separator(s) on the intake to the compressors?				X	
263.		(b)	Do the liquid separators have a manual means of removing liquids?				X	
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?				X	
265.	.167	(a)	ESD system must:					

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## Distribution Operator Compressor Station Inspection

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

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**\*\*Notes – No compressor stations\*\***