

**Utilities and Transportation Commission**  
**Standard Inspection Report for Intrastate Gas Transmission Pipelines**  
**Form D - 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, Cover Letter and Field Report** is to be submitted to the Chief Engineer within 30 days from completion of the inspection.

Inspection Report			
<b>Inspection ID/Docket number</b>	ID 2673		
<b>Inspector Name &amp; Submit Date</b>	Dave Cullom - July 12, 2013		
<b>Chief Eng Name &amp; Review Date</b>	Joe Subsits, July 15, 2013		
Operator Information			
<b>Name of Operator:</b>	Weyerhaeuser Company	<b>OP ID #:</b>	22515
<b>Name of Unit(s):</b>	Weyerhaeuser-Ostrander		
<b>Records Location:</b>	3401 Industrial Way Longview, WA 98632		
<b>Date(s) of Last (unit) Inspection:</b>	March 8 and 9, 2010	<b>Inspection Date(s):</b>	6/24-25/2013

<p><b>Inspection Summary:</b></p> <p>The Weyerhaeuser-Ostrander Pipeline is comprised of 4 (NPS-4) (~1000ft) and 12-inch diameter (NPS-12) (~9miles), API 5L, X-42 ERW steel pipe with the 12 inch diameter sections having a nominal wall thickness of 0.25 inches for below ground sections and 0.5 nominal wall thickness for above ground sections. The company operates the natural gas transmission pipeline in Cowlitz County, Washington beginning at the Williams Pipeline Interconnection slightly north east of the City of Kelso and ending at the Longview Facility. Weyerhaeuser purchased CNG's district regular station and uses it to control the gas to NorPac. The 4 inch line also can send gas to Solvay.</p> <p>On March 1, 2010, Weyerhaeuser became part of Cosentino Consultant Corp's Total Care Program. This means that the consultant will visit site every 90 days; has review plan for each visit to ensure all requirements are met and appropriate forms filled out. Also, he will be emailed about every gas function, etc</p> <p>Weyerhaeuser also has the designs for automatic shutoff valves done and other measures for mitigation in response to PHMSA's ANPRM Docket 2011-0023.</p> <hr/> <p>There were no items of concern or probable violations noted for this inspection.</p>
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<b>HQ Address:</b> Weyerhaeuser Company 3401 Industrial Way Longview 98632	<b>System/Unit Name &amp; Address:</b> N/A	
<b>Co. Official:</b> Tim Haynes <b>Phone No.:</b> (360) 636-6812 <b>Fax No.:</b> (360) 578-4556 <b>Emergency Phone No.:</b> (360) 636-6595	<b>Phone No.:</b> N/A <b>Fax No.:</b> N/A <b>Emergency Phone No.:</b> N/A	
<b>Persons Interviewed</b> Bob Cosentino	<b>Title</b> Consultant	<b>Phone No.</b> 530-604-3868

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Ron Kosloski	Facilities Engineer/Pipeline Operations Manager	360-636-6540
Lee Galbraith	Engineering Manager, Weyerhaeuser	360-578-4782

<b>UTC staff conducted 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 UTC Inspector reviewed the O & M Manual (Since the last yearly review of the manual by the operator.)	<b>Date:</b>	2012

GAS SYSTEM OPERATIONS			
<b>Gas Supplier</b>	Williams Gas Pipeline		
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	0
Miles of transmission pipeline within unit (total miles and miles in class 3 & 4 areas)			
<b>Operating Pressure(s):</b>		<b>MAOP (Within last year)</b>	<b>Actual Operating Pressure (At time of Inspection)</b>
Feeder:	688psig	2009 hydro established the MAOP of the Weyerhaeuser-Ostrander Pipeline @ 706PSIG per the O&M Hydrostatic Test Rating = (1060) / (1.5) Hydrostatic Test Rating = 706 PSIG	230psig
Town:			
Other:			
Does the operator have any transmission pipelines?	Yes		
Compressor stations? Use Attachment 4.	No		

Pipe Specifications:			
Year Installed (Range)	1992	Pipe Diameters (Range)	NPS-4 inch and NPS-12 inch
Material Type	X-42 ERW	Line Pipe Specification Used	API 5L
Mileage	9 miles NPS-12 and 1000ft NPS-4	SMYS %	15.17% @ 250PSIG 13.9% @ time of inspection
Supply Company	Geneva Steel (records in IMP manual)	Class Locations	Entire line is considered a Class 3

Integrity Management Field Validation
<b>Important:</b> Per PHMSA, IMP Field Verification Form 16 (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 Uploaded:</b> 7/15/2013

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<b>PART 199 DRUG and ALCOHOL TESTING REGULATIONS and PROCEDURES</b>		<b>S</b>	<b>U</b>	<b>NA</b>	<b>NC</b>
<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>PART 192 Implement Applicable Control Room Management Procedures</b>		<b>S</b>	<b>U</b>	<b>NA</b>	<b>NC</b>
.605(b)(12)	Implementing the applicable control room management procedures required by 192.631. (Amdt. 192- 112, 74 FR 63310, December 3, 2009, eff. 2/1/2010). <b>***Notes – No gas control room***</b>			x	

<b>REPORTING RECORDS</b>			<b>S</b>	<b>U</b>	<b>N/A</b>	<b>N/C</b>
<b>1.</b>	49 U.S.C. 60132, Subsection (b)  ADB-08-07	<b>Submission of Data to the National Pipeline Mapping System Under the Pipeline Safety Improvement Act of 2002</b>  Updates to NPMS: Operators are required to make update submissions every 12 months if any system modifications have occurred. Go to <a href="http://www.npms.phmsa.dot.gov/submission/">http://www.npms.phmsa.dot.gov/submission/</a> to review existing data on record. Also report no modifications if none have occurred since the last complete submission. Include operator contact information with all updates. <b>***Notes - Update sent in March 2013 to NPMS via email***</b>	X			
<b>2.</b>	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?  <b>***Notes - There has been no changes to the mapping***</b>	X			
<b>3.</b>	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. <b>***Notes – None***</b>			X	
<b>4.</b>	191.7	Reports (except SRCR and offshore pipeline condition reports) submitted electronically to PHMSA at <a href="https://opsweb.phmsa.dot.gov">https://opsweb.phmsa.dot.gov</a> unless an alternative reporting method is authorized IAW with paragraph (d) of this section. <b>***Notes – None***</b>			X	
<b>5.</b>	191.15(a)	Do records indicate reportable <u>incidents</u> were identified and reports were submitted to DOT on Form 7100.2 (01-2002) within the required timeframe? <b>***Notes – None***</b>			X	
<b>6.</b>	191.15(c)	Do records indicate accurate supplemental incident reports were filed and within the required timeframe? <b>***Notes – None***</b>			X	
<b>7.</b>	191.17	Complete and submit DOT Form PHMSA F 7100-2.1 by March 15 of each calendar year for the preceding year. ( <i>NOTE: June 15, 2013 for the year 2012</i> ). <b>***Notes – Checked last years submission***</b>	X			
<b>8.</b>	191.23	Have complete and accurate <u>Annual Reports</u> been submitted?	X			

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REPORTING RECORDS			S	U	N/A	N/C
9.	191.25  49 U.S.C. 60139, Subsection (b)(2)	<p>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.</p> <p>The report should be titled ‘‘Gas Transmission MAOP Exceedance’’ and provide the following information:</p> <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> </ul> <p>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 – None***</b></p>			X	
10.	191.27(a), (b)	Do records indicate reports were submitted within 60 days of completing inspections of underwater pipelines? <b>***Notes – None***</b>			X	
11.	192.727(g)	Do records indicate reports were filed for abandoned offshore pipeline facilities or abandoned onshore pipeline facilities that crosses over, under or through a commercially navigable waterway? <b>***Notes – None***</b>			X	
12.	480-93-200(1)	Telephonic Reports to UTC <b>Pipeline Safety Incident Notification 1-888-321-9144</b> (Within <b>2 hours</b> ) for events which ( <b>regardless of cause</b> );				
13.	480-93-200(1)(a)	Result in a fatality or personal injury requiring hospitalization; <b>***Notes – None***</b>			X	
14.	480-93-200(1)(b)	Results in damage to property of the operator and others of a combined total exceeding fifty thousand dollars; <b>Note:</b> Report all damages regardless if claim was filed with pipeline company or not. <b>***Notes – None***</b>			X	
15.	480-93-200(1)(c)	Results in the evacuation of a building, or high occupancy structures or areas; <b>***Notes – None***</b>			X	
16.	480-93-200(1)(d)	Results in the unintentional ignition of gas; <b>***Notes – None***</b>			X	
17.	480-93-200(1)(e)	Results in the unscheduled interruption of service furnished by any operator to twenty five or more distribution customers; <b>***Notes – None***</b>			X	
18.	480-93-200(1)(f)	Results in a pipeline or system pressure exceeding the MAOP plus ten percent or the maximum pressure allowed by proximity considerations outlined in WAC 480-93-020; <b>***Notes – None***</b>			X	
19.	480-93-200(1)(g)	Is significant, in the judgment of the operator, even though it does not meet the criteria of (a) through (e) of this subsection; or <b>***Notes – None***</b>			X	
20.	480-93-200(2)	Telephonic Reports to UTC <b>Pipeline Safety Incident Notification 1-888-321-9146</b> (Within <b>24 hours</b> ) for; <b>***Notes – None***</b>			X	
21.	480-93-200(2)(a)	The uncontrolled release of gas for more than two hours; <b>***Notes – None***</b>			X	
22.	480-93-200(2)(b)	The taking of a high pressure supply or transmission pipeline or a major distribution supply pipeline out of service; <b>***Notes – The only event was a hydrotest in 2009. Joe Subsits attended***</b>			X	
23.	480-93-200(2)(c)	A pipeline operating at low pressure dropping below the safe operating conditions of attached appliances and gas equipment; or <b>***Notes – None***</b>			X	
24.	480-93-200(2)(d)	A pipeline pressure exceeding the MAOP <b>***Notes – None***</b>			X	

**Comments:**

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#	Code	Description	S	U	N/A	N/C
25.	480-93-200(5)	Written incident reports (within 30 days) including the following; <b>***Notes – None***</b>				
26.	480-93-200(4)(a)	Name(s) and address(es) of any person or persons injured or killed, or whose property was damaged; <b>***Notes – None***</b>			X	
27.	480-93-200(4)(b)	The extent of injuries and damage; <b>***Notes – None***</b>			X	
28.	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; <b>***Notes – None***</b>			X	
29.	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; <b>***Notes – None***</b>			X	
30.	480-93-200(4)(e)	The date and time the gas pipeline company was first notified of the incident; <b>***Notes – None***</b>			X	
31.	480-93-200(4)(f)	The date and time the ((operators')) gas pipeline company's first responders arrived on-site; <b>***Notes – None***</b>			X	
32.	480-93-200(4)(g)	The date and time the gas ((facility)) pipeline was made safe; <b>***Notes – None***</b>			X	
33.	480-93-200(4)(h)	The date, time, and type of any temporary or permanent repair that was made; <b>***Notes – None***</b>			X	
34.	480-93-200(4)(i)	The cost of the incident to the ((operator)) gas pipeline company; <b>***Notes – None***</b>			X	
35.	480-93-200(4)(j)	Line type; <b>***Notes – None***</b>			X	
36.	480-93-200(4)(k)	City and county of incident; and <b>***Notes – None***</b>			X	
37.	480-93-200(4)(l)	Any other information deemed necessary by the commission. <b>***Notes – None***</b>			X	
38.	480-93-200(5)	Submit a supplemental report if required information becomes available <b>***Notes – None***</b>			X	
39.	480-93-200(6)	Written report within 45 days of receiving the failure analysis of any <b>incident or hazardous condition</b> due to <b>construction defects or material failure</b> <b>***Notes – None***</b>			X	

<b>Comments:</b>	
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40.	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>***Notes – No damages – nothing to file Weyco is a member of DIRT***</b>				
41.	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) <b>***Notes – No damages – nothing to file ***</b>			X	
42.	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 facility locates</u> first being completed? <b>***Notes – No damages – nothing to file ***</b>			X	

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43.	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. ***Notes – No damages – nothing to file ***			X	
44.	480-93-200(8)	Does the operator provide the following information to excavators who damage gas pipeline facilities? ***Notes – No damages – nothing to file ***				
45.	480-93-200(8)(a)	• Notification requirements for excavators under RCW 19.122.050(1) ***Notes – No damages – nothing to file ***			X	
46.	480-93-200(8)(b)	• A description of the excavator's responsibilities for reporting damages under RCW 19.122.053; and ***Notes – No damages – nothing to file ***			X	
47.	480-93-200(8)(c)	• 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. ***Notes – No damages – nothing to file ***			X	
48.	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> • 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) • A person intentionally damages or removes marks indicating the location or presence of gas pipeline facilities. 200(9)(b) ***Notes – No damages – nothing to file ***			X	
49.	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) ***Notes – No damages – nothing to file ***			X	
50.	480-93-200(10)	<b>Annual Reports</b> filed with the commission no later than <b>March 15</b> for the proceeding calendar year. (NOTE: PHMSA extension to June 15, 2013 for the year 2012).	S	U	N/A	N/C
51.	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			
52.	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. *****None*****			X	
53.	480-93-200(11)	Providing updated emergency contact information to the commission and appropriate officials of all municipalities where gas pipeline companies have facilities *****Notes – Looked at procedures and contacts were provided to Marina for this year*****	X			
54.	480-93-200(12)	Providing by email, reports of daily construction and repair activities no later than 10:00 a.m. ***** Notes -No construction since last inspection, but they have a 45 day advance notice policy. Joe showed up on the last hydrotest in 2009*****	X			
55.	480-93-200(13)	Submitting copy of DOT Drug and Alcohol Testing MIS Data Collection Form when required	X			

**Comments:**

<b>CONSTRUCTION RECORDS</b>			S	U	N/A	N/C
56.	192.225	Do records indicate weld procedures are being qualified in accordance with §192.225?			X	
57.	192.227	Do records indicate adequate qualification of welders?			X	
58.	192.241(a)	Do records indicate that individuals who perform visual inspection of welding are qualified by appropriate training and experience, as required by §192.241(a)?			X	

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CONSTRUCTION RECORDS			S	U	N/A	N/C
59.	192.243(b)(2)	Do records indicate the qualification of nondestructive testing personnel?			X	
60.	192.243(c)	Do records indicate that NDT implementation is adequate?			X	
61.	192.243(f)	Do records indicate that records are maintained of each pipe/"other than pipe" repair, NDT required record, and (as required by subparts L or M) patrol, survey, inspection or test?			X	
62.	192.243(f)	Number of Welds Inspected by NDT			X	
63.	192.243(f)	Number of Welds Rejected			X	
64.	192.243(f)	Disposition of each Weld Rejected			X	
65.	480-93-080(1)(b)	Use of testing equipment to record and document essential variables			X	
66.	480-93-115(2)	Test leads on casings (without vents) installed after 9/05/1992			X	
67.	480-93-115(3)	Sealing ends of casings or conduits on transmission pipelines and main			X	
68.	480-93-115(4)	Sealing ends (nearest building wall) of casings or conduits on services			X	
69.	192.303	Construction Specifications			X	
70.	192.325	Do records indicate pipe is installed with clearances in accordance with §192.325, and (if plastic) installed as to prevent heat damage to the pipe?			X	
71.	192.327	Amount, Location, Cover of each size of pipe installed			X	
72.	192.328	If the pipeline will be operated at the alternative MAOP standard calculated under 192.620 (80% SMYS) does it meet the additional construction requirements for: <ul style="list-style-type: none"> <li>• Quality assurance</li> <li>• Girth welds</li> <li>• Depth of cover</li> <li>• Initial strength testing, and;</li> <li>• Interference currents?</li> </ul>			X	
73.	480-93-160(1)	Detailed report filed 45 days prior to construction or replacement of transmission pipelines ≥ 100 feet in length			X	
74.	480-93-170(3)	Pressure Tests Performed on new and replacement pipelines			X	
75.	480-93-170(10)	Pressure Testing Equipment checked for Accuracy/Intervals (Manufacturers recommendation or operators schedule)			X	
76.	480-93-175(1)	Study prepared and approved prior to moving and lowering of metallic pipelines > 60 psig			X	
77.	192.455	Do records document that each buried or submerged pipeline installed after July 31, 1971, has been protected against external corrosion with a cathodic protection system within 1 year after completion of construction, conversion to service, or becoming jurisdictional onshore gathering?			X	

**Comments:**

**\*\*Notes 56-77 No new construction has been performed since the last standard audit\*\***

OPERATIONS and MAINTENANCE RECORDS			S	U	N/A	N/C
78.	192.10	Do records indicate specific point(s) at which operating responsibility transfers to a producing operator, as applicable? <b>****Notes - No change in operation type****</b>			X	
79.	192.14	<b>Conversion To Service Performance and Records</b>				
80.	192.14(a)(2)	Visual inspection of right of way, aboveground and selected underground segments <b>****Notes - No change in operation type****</b>			X	
81.	192.14(a)(3)	Correction of unsafe defects and conditions <b>****Notes - No change in operation type****</b>			X	
82.	192.14(a)(4)	Pipeline testing in accordance with Subpart J <b>****Notes - No change in operation type****</b>			X	
83.	192.14(b)	Pipeline records: investigations, tests, repairs, replacements, alterations (life of pipeline) <b>****Notes - No change in operation type****</b>			X	

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<b>OPERATIONS and MAINTENANCE RECORDS</b>			<b>S</b>	<b>U</b>	<b>N/A</b>	<b>N/C</b>
<b>84.</b>	192.16	Customer Notification (Verification – 90 days – and Elements) ****Notes - No customers***			X	
<b>85.</b>	192.603(b)	Procedural Manual Review – Operations and Maintenance (1 per yr/15 months) .605(a) <b>Note:</b> Including review of OQ procedures as suggested by PHMSA - ADB-09-03 dated 2/7/09 ****Notes – Last reviewed in 2012. Notes none for 2011. Taken on into service 2011*****	X			
<b>86.</b>	192.603(b)	Did personnel respond to indications of abnormal operations as required by procedures? .605(c) (1) ****This happened in 12/2010. The locomotive was on the trestle and the engineer smelled some gas. They investigated 12/16/10 was very first call 0729. Man 0800 Resolved 1300.****	X			
<b>87.</b>	192.603(b)	Availability of construction records, maps, operating history to operating personnel .605(b)(3) ****The “go bag” has manuals and maps****	X			
<b>88.</b>	192.603(b)	Periodic review of personnel work – effectiveness of normal O&M procedures .605(b)(8) ****Notes – It is done every year. All records on server. Bob pulls work and looked at Form F 32 (documenting review) Marker survey. CP rectifier reads. The inspection report gets filled out ****	X			
<b>89.</b>	192.603(b)	Periodic review of personnel work – effectiveness of abnormal operation procedures .605(c)(4) ****Notes - None since 2010, but they use the F-32 and for F-2 for abnormal ops. Every 90 days the records looked at and filed.*****	X			
<b>90.</b>	192.603(b)	Do records indicate systematic and routine testing and inspection of pipe-type or bottle-type holders? .605(b)(10) ****Notes – No bottle holders ****			X	
<b>91.</b>	<b>Damage Prevention Program</b>					
<b>92.</b>	192.603(b)	List of Current Excavators .614 (c)(1) ***Notes - Looked March 21,2012 list***	X			
<b>93.</b>	192.603(b)	Notification of Public/Excavators .614 (c)(2)	X			
<b>94.</b>	192.603(b)	Notifications of planned excavations. (One -Call Records) .614 (c)(3) ****Notes - Locate report has all of the information on what was cleared by phone, vs driven by, vs actual locates****	X			
<b>95.</b>	Provide as follows for inspection of pipelines that an operator has reason to believe could be damaged by excavation activities:					
<b>96.</b>	.614(c)(6)	1. Is the inspection done as frequently as necessary during and after the activities to verify the integrity of the pipeline? ****Notes – No damages or reason to believe damages occurred****			X	
<b>97.</b>		2. In the case of blasting, does the inspection include leakage surveys? (required) ****Notes – No blasting in vicinity***			X	
<b>98.</b>	480-93-250(3)	Are locates are being made within the timeframes required by RCW 19.122? Examine record sample. ****Notes - Ten locates. If it is even close they will do a drive by and then they locate. I checked 4-5 locates and all were done within the required timeframe.****	X			
<b>99.</b>	195.507(b)	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			
<b>100.</b>	PHMSA – State Program Evaluation Questions	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 – No formal program identified, but no reason to take action due to any locating issues at this time***	X			
<b>101.</b>		Does operator including performance measures in facility locating services contracts with corresponding and meaningful incentives and penalties? ****Notes – Locating has not been an issue due to much of the pipeline being located on Weyco’s rail ROW***	X			
<b>102.</b>		Do locate contractors address performance problems for persons performing locating services through mechanisms such as re-training, process change, or changes in staffing levels?	X			
<b>103.</b>		Does the operator periodically review the Operator Qualification plan criteria and methods used to qualify personnel to perform locates?	X			
<b>104.</b>		Review operator locating and excavation <u>procedures</u> for compliance with state law and regulations.	X			
<b>105.</b>		Are locates are being made within the timeframes required by state law and regulations? Examine record sample.	X			

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OPERATIONS and MAINTENANCE RECORDS			S	U	N/A	N/C
106.		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			
107.	192.709	Do records indicate performance of the required study whenever the population along a pipeline increased or there was an indication that the pipe hoop stress was not commensurate with the present class location? 192.605(b)(1) (192.609(a); 192.609(b); 192.609(c); 192.609(d); 192.609(e); 192.609(f) <b>****Notes – Already a Class 3****</b>	X			
108.	192.605(a)	Confirmation or revision of MAOP. Final Rule Pub. 10/17/08, eff. 12/22/08. .611 <b>***Notes – No MAOP revision since 2009 hydro took it back to 706 psig****</b>			X	
109.	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 <b>***Notes – No emergencies to review ****</b>			X	
110.	192.615	Actions required to be taken by a controller during an emergency in accordance with 192.631. (Amdt. 192-112, 74 FR 63310, December 3, 2009, eff. 2/1/2010). .615(a)(11) <b>***Notes – No control room****</b>			X	
111.	192.603(b)	Location Specific Emergency Plan .615(b)(1)	X			
112.	192.603(b)	Emergency Procedure training, verify effectiveness of training .615(b)(2) <b>***Notes – They provided emergency procedure as part of their hazmat Weyco/C2/VFD drill on 4/19/2013****</b>	X			
113.	192.603(b)	Employee Emergency activity review, determine if procedures were followed. .615(b)(3) <b>***Notes – No emergencies to review ****</b>			X	
114.	192.603(b)	Liaison Program with Public Officials .615(c) <b>****Notes – The plant/mill is a member of the LEPC due to having SARA Title III Section 312 chemicals on site****</b>	X			

**Comments:**

192.603(b)	Public Awareness Program .616		S	U	N/A	N/C
	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.					
<b>API RP 1162 Baseline* Recommended Message Deliveries</b>						
	<b>Stakeholder Audience (Natural Gas Transmission Line Operators)</b>	<b>Baseline Message Frequency (starting from effective date of Plan)</b>				
	Residents Along Right-of-Way and Places of Congregation	2 years				
	Emergency Officials	Annual				
	Public Officials	3 years				
	Excavator and Contractors	Annual				
	One-Call Centers	As required of One-Call Center				
* Refer to API RP 1162 for additional requirements, including general program recommendations, supplemental requirements, recordkeeping, program evaluation, etc.						

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115.		The operator’s program must specifically include provisions to educate the public, appropriate government organizations, and persons engaged in excavation related activities on: .616(d) (1) Use of a one-call notification system prior to excavation and other damage prevention activities; (2) Possible hazards associated with the unintended release from a gas pipeline facility (3) Physical indications of a possible release; (4) Steps to be taken for public safety on the event of a gas pipeline release; and (5) Procedures to report such an event (to the operator). <b>***Notes – Done every year***</b>	X			
116.	192.603(b)	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.). .616 (e) & (f)***** <b>Notes – Changes in 2012 Patti J inspection findings will be reflected in this cycle.*****</b>	X			
117.						
118.		The program conducted in English and any other languages commonly understood by a significant number of the population in the operator's area. .616(g) <b>***Notes – They used the Census data to determine the population***</b>	X			
119.		Do records indicate implementation of a program evaluation process implemented and continuous improvements based on the findings? 192.616(i) (192.616(h); API RP 1162, Section 2.7 Step 11; API RP 1162, Section 8) <b>****Notes – Patti J reviewed in 2012 and had some issues and the operator made the required changes in the August 2012. They agreed to review annually. – noted in Aug 3, 2012 PA plan)****</b>	X			
120.		Analyzing accidents and failures including laboratory analysis where appropriate to determine cause and prevention of recurrence .617 <b>Note: Including excavation damage (PHMSA area of emphasis) ****Notes - None****</b>			X	

**Comments:**

121.	192.517	From the review of the results of pressure tests, do the test records validate the pressure test? <b>****Notes - The pressure tests were done for the 4 and 12 inch in July 20<sup>th</sup> 2009****</b>	X			
122.	.553(b)	Do records indicate the pressure uprating process was implemented per the requirements of 192.553? <b>****Notes – No uprates this inspection cycle****</b>			X	
123.	192.709	<b>Maximum Allowable Operating Pressure (MAOP)</b>				
124.	.709	<b>Note: If the operator is operating at 80% SMYS with waivers, the inspector needs to review the special conditions of the waiver.</b>				
125.		MAOP cannot exceed the lowest of the following: .619 <b>***Notes - They do not use alternative MAOP***</b>				
126.		Design pressure of the weakest element, .619(a)(1) <b>***Notes - They do not use alternative MAOP***</b>			X	



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137.	480-93-185(3)	Leaks originating from a foreign source reported promptly/notification by mail/record retained ***** <b>Notes - No calls</b> *****			X													
138.	480-93-187	Gas Leak records – Content <b>***Notes - No leaks***</b>			X													
139.	480-93-188(1)	Gas Leak surveys – Coverage <b>***Notes – The coverage looked good***</b>	X															
140.	480-93-188(2)	Gas detection instruments tested for accuracy/intervals (Mfct rec or monthly not to exceed 45 days) <b>***Notes- Heath performed the leak surveys. Checked 2011,2010, and 2012. 1 unit for Weyco Gas Services. I checked 2011 and 2012. It goes back to Heath It's # 14540. ****</b>	X															
141.	480-93-188(3)	Leak survey frequency (Refer to Table Below)	X															
<table border="1"> <tr> <td><b>Business Districts (By 6/02/07)</b></td> <td><b>1/yr (15 months)</b></td> </tr> <tr> <td><b>High Occupancy Structures</b></td> <td><b>1/yr (15 months)</b></td> </tr> <tr> <td><b>Pipelines Operating ≥ 250 psig</b></td> <td><b>1/yr (15 months)</b></td> </tr> <tr> <td><b>Other Mains: CI, WI, copper, unprotected steel</b></td> <td><b>2/yr (7.5 months)</b></td> </tr> </table>							<b>Business Districts (By 6/02/07)</b>	<b>1/yr (15 months)</b>	<b>High Occupancy Structures</b>	<b>1/yr (15 months)</b>	<b>Pipelines Operating ≥ 250 psig</b>	<b>1/yr (15 months)</b>	<b>Other Mains: CI, WI, copper, unprotected steel</b>	<b>2/yr (7.5 months)</b>				
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142.	480-93-188(4)(a)	Special leak surveys - Prior to paving or resurfacing, following street alterations or repairs <b>***Notes – None needed***</b>			X													
143.	480-93-188(4)(b)	Special leak surveys - areas where substructure construction occurs adjacent to underground gas facilities, and damage could have occurred <b>***Notes – None needed***</b>			X													
144.	480-93-188(4)(c)	Special leak surveys - Unstable soil areas where active gas lines could be affected <b>***Notes – None needed***</b>			X													
145.	480-93-188(4)(d)	Special leak surveys - areas and at times of unusual activity, such as earthquake, floods, and explosions <b>***Notes – None needed***</b>			X													
146.	480-93-188(5)	Gas survey records: Retention/Content <b>***Notes – None needed***</b>	X															
147.	480-93-188(6)	Leak Survey Program/Self Audits <b>***Notes – The regulatory consultant evaluates the leak surveys as they are completed to make sure they are in compliance.***</b>	X															
148.	192.709	Patrolling (Refer to Table Below) .705 <b>***Notes – Checked 2011, 2012***</b>	X															
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149.	192.709	Leak Surveys (Refer to Table Below) .706 <b>****Notes – Looked at 2010-2012****</b>	X															
<table border="1"> <tr> <td><b>Class Location</b></td> <td><b>Required</b></td> <td><b>Not Exceed</b></td> </tr> <tr> <td><b>1 and 2</b></td> <td><b>1/yr</b></td> <td><b>15 months</b></td> </tr> <tr> <td><b>3</b></td> <td><b>2/yr</b></td> <td><b>7½ months</b></td> </tr> <tr> <td><b>4</b></td> <td><b>4/yr</b></td> <td><b>4½ months</b></td> </tr> </table>							<b>Class Location</b>	<b>Required</b>	<b>Not Exceed</b>	<b>1 and 2</b>	<b>1/yr</b>	<b>15 months</b>	<b>3</b>	<b>2/yr</b>	<b>7½ months</b>	<b>4</b>	<b>4/yr</b>	<b>4½ months</b>
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150.	192.605(b)	Abandoned Pipelines; Underwater Facility Reports .727(g) <b>***Notes – None****</b>			X													
151.	192.709	Compressor Station Relief Devices – Inspection and Testing (1 per yr/15 months) .731(a) <b>***Notes – None****</b>			X													
152.	192.709	Compressor Station Emergency Shutdown (1 per yr/15 months) .731(c) <b>***Notes – None****</b>			X													
153.	192.709	Compressor Stations – Detection and Alarms (Performance Test) .736(c) <b>***Notes – None****</b>			X													
154.	192.709	Pressure Limiting and Regulating Stations – Inspection and Testing intervals (1 per yr/15 months) .739 <b>****Notes – Williams provides this service and I looked at the pressure testing records for these in 2010,2011, and 2012****</b>	X															

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155.	192.709	Pressure Limiting and Regulator Stations – Capacity Testing or Review (1 per yr/15 months) .743 ****Notes – Williams did this and provided records for 2010-2012****	X			
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**Comments:**

156.	192.709	Do records indicate proper inspection and partial operation of transmission line valves that may be required during an emergency as required and prompt remedial actions taken if necessary? (1 per yr/15 months) .745 ****Notes – We checked all these back 2009 and they went above and beyond the required schedule****	X			
157.	192.709	Do records document inspections at the required interval of all vaults having a volumetric internal content of 200 cubic feet (5.66 cubic meters) or more that house pressure regulating/limiting equipment? (1 per yr/15 months) .749****Notes – No Vaults***			X	
158.	192.603(b)	Do records indicate personnel followed procedures for minimizing the danger of accidental ignition where the presence of gas constituted a hazard of fire or explosion? .751 ***Notes – No hot work***			X	
159.	192.603(b)	Welding – Procedures .225(b) ****Notes – No welding performed but have procedures***			X	
160.	192.603(b)	Welding – Welder Qualification .227/.229 ****Notes – No welding performed during this inspection time period***			X	
161.	192.603(b)	NDT – NDT Personnel Qualification .243(b)(2) ****Notes – No NDT work performed during this time period, but have procs***			X	
162.	192.709	NDT Records (Pipeline Life) .243(f) **Notes – No construction during this time period****			X	
163.	192.709	Repair: pipe (Pipeline Life); Other than pipe (5 years)****Notes – The operator had all the pipe spec and hydrotest records in their manual for ease of reviewing. No repairs during this inspection time period****	X			
164.	.807(b)	Do records document the evaluation and qualifications of individuals performing covered tasks, and can the qualification of individuals performing covered tasks be verified? (Including new construction activities - WAC 480-93-013)	X			
165.	192.905(c)	Periodically examining their transmission line routes for the appearance of newly identified area's (HCA's) ****Notes – They are already class III Form F-17, the patrol form, provides a mechanism to do so.*****	X			

**Comments:**

<b>CORROSION CONTROL RECORDS</b>			<b>S</b>	<b>U</b>	<b>N/A</b>	<b>N/C</b>
166.	192.453	CP procedures (system design, installation, operation, and maintenance) must be carried out by qualified personnel. ****Notes - This is contracted out to Northwest Corrosion and the consultant is Jeremy Hailey is a NACE Corrosion Specialist.****	X			
167.	192.455(a)(2)	CP system installed on and operating within 1 yr of completion of pipeline construction (after 7/31/71)	X			

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CORROSION CONTROL RECORDS			S	U	N/A	N/C
168.	192.491(c)	Do records document that each buried or submerged pipeline that <b>has been converted to gas service and was installed after July 31, 1971</b> , has been protected against external corrosion with an adequate coating unless exempted under 192.455(b)? <b>****Notes – None – no conversion done****</b>			X	
169.	192.491	Annual Pipe-to-soil Monitoring ( <b>1 per yr/15 months</b> ) for short sections ( <b>10% per year; all in 10 years</b> ) .465(a) <b>****Notes - Looked at 2010-2012 records - good****</b>	X			
170.	192.491	Do records indicate the location of all items listed in 192.491(a)?	X			
171.	192.491	Examination of Buried Pipe when Exposed .459 <b>****Notes – this was done in 2012. They did at North Pacific and Pleasant Hill. The Mint Farm was excavated in 2011 They also exposed the 4 inch to Interrox Sept of 2011****</b>	X			
172.	480-93-110(8)	CP test reading on all exposed facilities where coating has been removed <b>***Notes – no broken coatings – no readings****</b>			X	
173.	192.491	Rectifier Monitoring ( <b>6 per yr/2½ months</b> ) .465(b) <b>****Notes - Looked all to 2010 and a rectifier read was missed on 7/2012 by 15 days.****</b>	X			
174.	192.491	Interference Bond Monitoring – Critical ( <b>6 per yr/2½ months</b> ) .465(c) <b>****Notes – None per Jeremy Hailey’s report****</b>			X	
175.	192.491	Interference Bond Monitoring – Non-critical ( <b>1 per yr/15 months</b> ) .465(c) <b>****Notes – None per Jeremy Hailey’s report****</b>			X	
176.	192.491	Do records adequately document the re-evaluation of buried pipelines with no cathodic protection for areas of active corrosion? ( <b>1 per 3 cal yr/39 months</b> ) .465(e) <b>****Notes – None in system****</b>			X	
177.	192.491	Do records adequately document electrical isolation of each buried or submerged pipeline from other metallic structures unless they electrically interconnect and cathodically protect the pipeline and the other structures as a single unit? ( <b>Including Casings</b> ) .467	X			
178.	480-93-110(2)	Remedial action taken within 90 days (Up to 30 additional days if other circumstances. Must document) .465(d)	X			
179.	480-93-110(3)	CP Test Equipment and Instruments checked for Accuracy/Intervals (Mfct Rec or Opr Sched)	X			
180.	480-93-110(5)	Casings inspected/tested annually not to exceed fifteen months <b>***Notes – We looked at records back to 2010****</b>	X			
181.	480-93-110(5)(a)	Casings w/no test leads installed prior to 9/05/1992. Demonstrate other acceptable test methods <b>****Notes – None****</b>			X	
182.	480-93-110(5)(b)	Possible shorted conditions – Perform confirmatory follow-up inspection within 90 days <b>****Notes – They had a possible shorted condition that they addressed immediately in 2010****</b>	X			
183.	480-93-110(5)(c)	Casing shorts cleared when practical <b>****Notes – None****</b>			X	
184.	480-93-110(5)(d)	Shorted conditions leak surveyed within 90 days of discovery. Twice annually/7.5 months	X			
185.	192.491	Do records document that pipelines with cathodic protection have <b>electrical test leads installed</b> in accordance with requirements of Subpart I? (192.471; 192.469)	X			
186.	192.491	Do records document that the operator has minimized the detrimental effects of stray currents when found? .473 <b>****Notes – None per Jeremy Hailey’s report****</b>			X	
187.	192.491	Do records document if corrosive gas is being transported by pipeline, including the investigation of the corrosive effect of the gas on the pipeline and steps that have been taken to minimize internal corrosion? .475(a) <b>**Notes - No corrosive gas****</b>			X	
188.	192.491	Internal corrosion; Internal surface inspection; Pipe replacement .475(b) <b>****Notes – No pipe replacement since at least the last inspection****</b>			X	
189.	192.491	Internal Corrosion; New system design; Evaluation of impact of configuration changes to existing systems . (192.476(b); 192.476(c)) <b>****Notes – No configuration or system changes since last inspection****</b>			X	
190.	192.491	Internal Corrosion Control Coupon Monitoring ( <b>2 per yr/7½ months</b> ) .477 <b>****Notes – No IC coupons****</b>			X	
191.	192.491	Atmospheric Corrosion Control Monitoring ( <b>1 per 3 cal yr/39 months onshore; 1 per yr/15 months offshore</b> ) .481 <b>****Notes – 2011 was the last one and it looked good****</b>	X			
192.	192.491	Remedial: Replaced or Repaired Pipe; coated and protected; corrosion evaluation and actions, Records adequate? .483/.485 <b>****Notes – No changes since last inspection****</b>			X	

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<b>Comments:</b>
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PIPELINE INSPECTION (Field)			S	U	N/A	N/C
193.	192.161	Supports and anchors	X			
194.	192.179	Valves installed as required? (Proper spacing, Readily accessible, Properly supported, Protection from Tampering/Damage, Blowdown-Discharge/Capacity) <b>***Notes – looked good***</b>	X			
195.	480-93-015(1)	Odorization levels <b>***Notes – Recorded a .77 field read at the gas house which is below the 1% threshold for 1/5<sup>th</sup> of the LEL***</b>	X			
196.	192.463(a)	Levels of Cathodic Protection <b>**Notes - See field checklist – all were fine****</b>	X			
197.	192.465(b)	Rectifiers <b>**Notes - See field checklist – all were fine****</b>	X			
198.	192.467	CP - Electrical Isolation (192.467(a), (b), (c)) <b>**Notes - See field checklist – all were fine****</b>	X			
199.	192.469	Test Stations (Sufficient Number)	X			
200.	192.476	Systems designed to reduce internal corrosion	X			
201.	192.479	Pipeline Components Exposed to the Atmosphere (192.479(a), (b), (c))	X			
202.	192.481	Atmospheric Corrosion – monitoring (192.481(b), (c))	X			
203.	480-93-115(2)	Casings – Test Leads (Casings w/o vents installed after 9/05/1992) <b>***Notes – No casings without vents****</b>			X	
204.	192.605	Knowledge of Operating Personnel	X			
205.	192.613; .703	Pipeline condition, unsatisfactory conditions, hazards, etc. captured and addressed? (192.613(a), (b); 192.703(a), (b), (c))	X			
206.	480-93-124	Pipeline Markers: Placed and maintained at above/below ground facilities. Road and railroad crossings (192.707(a))	X			
207.	192.719	Pre-pressure Tested Pipe ( <b>Markings and Inventory</b> ) (192.719(a), (b)) <b>***Notes – They have sections of pipe that have the spec sheets attached***</b>	X			
208.	192.739	Pressure Limiting and Regulating Devices ( <b>Mechanical</b> ) (spot-check field installed equipment vs. inspection records) (192.739(a), (b); 192.743) <b>***Notes - Checked Williams records provided to Weyerhaeuser. ***</b>	X			
209.	192.743	Pressure Limiting and Regulating Devices ( <b>Capacities</b> ) (spot-check field installed equipment vs. inspection records) <b>***Notes – The capacity has not changed since the original installation ***</b>	X			
210.	192.745	Valve Maintenance: Field Inspection and partial operation (192.745(a), (b)) <b>**Notes – The operator checked several (under the trestle south side of Cowlitz and on the other side at the Westside Hwy) during the field portion**</b>	X			
211.	192.751	Perform observations of selected locations to verify that adequate steps have been taken by the operator to minimize the potential for accidental ignition. 192.7(a), (b), (c))	X			
212.	192.801 - 192.809	Operator qualification questions – Refer to OQ Field Inspection Protocol Form	X			

**Operator Qualification Field Validation**

**Important:** Per PHMSA, the OQ Field Inspection Protocol Form 15 (**Rev 6-2012**) 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 Form Completed/Uploaded: 7/15/13**

**Utilities and Transportation Commission**  
**Standard Inspection Report for Intrastate Gas Transmission Pipelines**  
**Form D - Records Review and Field Inspection**

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**Comments:**

<b>COMPRESSOR STATIONS INSPECTION</b>		S	U	N/A	N/C
(Note: Facilities may be “Grandfathered”)					
<b>If not located on a platform check here and skip 192.167(c) X</b>					
192.163 (c)	Main operating floor must have (at least) two (2) separate and unobstructed exits			X	
	Door latch must open from inside without a key			X	
	Doors must swing outward			X	
(d)	Each fence around a compressor station must have (at least) 2 gates or other facilities for emergency exit			X	
	Each gate located within 200 ft of any compressor plant building must open outward			X	
	When occupied, the door must be opened from the inside without a key			X	
(e)	Does the equipment and wiring within compressor stations conform to the <b>National Electric Code, ANSI/NFPA 70?</b>			X	
.165(a)	If applicable, are there liquid separator(s) on the intake to the compressors?			X	
.165(b)	Do the liquid separators have a manual means of removing liquids?			X	
	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	
.167(a)	ESD system must:				
	- Discharge blowdown gas to a safe location			X	
	- Block and blowdown the gas in the station			X	
	- Shut down gas compressing equipment, gas fires, electrical facilities in compressor building and near gas headers			X	
	- Maintain necessary electrical circuits for emergency lighting and circuits needed to protect equipment from damage			X	
	ESD system must be operable from at least two locations, each of which is:				
.167 (b)	- Outside the gas area of the station			X	
	- Not more than 500 feet from the limits of the station			X	
	- ESD switches near emergency exits?			X	
	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	
.167(c)	Are ESDs on platforms designed to actuate automatically by...				
	- For unattended compressor stations, when:				
	▪ The gas pressure equals MAOP plus 15%?			X	
	▪ An uncontrolled fire occurs on the platform?			X	
	- For compressor station in a building, when				
	▪ An uncontrolled fire occurs in the building?			X	
	▪ 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	
.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	
(b)	Do the compressor station prime movers (other than electrical movers) have over-speed shutdown?			X	
(c)	Do the compressor units alarm or shutdown in the event of inadequate cooling or lubrication of the unit(s)?			X	

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<b>COMPRESSOR STATIONS INSPECTION</b>		S	U	N/A	N/C
(Note: Facilities may be “Grandfathered”) If not located on a platform check here and skip 192.167(c) X					
(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	
(e)	Are the mufflers equipped with vents to vent any trapped gas?			X	
.173	Is each compressor station building adequately ventilated?			X	
.457	Is all buried piping cathodically protected?			X	
.481	Atmospheric corrosion control of aboveground facilities 192.481(b), (c); 192.479(a), (b), (c)			X	
.605	Does the operator have procedures for the start-up and shut-down of the station and/or compressor units? 192.605(b)(5)			X	
	Are facility maps current/up-to-date? 192.605(b)(3)			X	
.616	Public Awareness Program effectiveness - Visit identified stakeholders as part of field inspection routine			X	
.605; .615(b)	Emergency Plan for the station on site?			X	
.707	Markers			X	
.199/.731	Are pressure relief/limiting devices inside a compressor station designed, installed, and inspected properly? (192.199, 192.731(a), (b), (c))			X	
.735(a), (b)	Are combustible materials in quantities exceeding normal daily usage, stored a safe distance from the compressor building?			X	
	Are aboveground oil or gasoline storage tanks protected in accordance with <b>NFPA standard No. 30</b> ?			X	
.736(a), (b)	Have adequate gas detection and alarm systems been installed in selected applicable compressor buildings?			X	

**Comments:**  
 \*\*\*Notes - 192.163c - .736b No Compressor Stations\*\*\*

**Alternative Maximum Allowable Operating Pressure**

For additional guidance refer to <http://primis.phmsa.dot.gov/maop/faqs.htm>  
 For Additional guidance see the FAQs at <http://primis.phmsa.dot.gov/maop/faqs.htm>

<b>Alternative MAOP Procedures and Verifications</b>		S	U	N/A	N/C								
192.620	The alternative MAOP is calculated by using different factors in the same formulas used for calculating MAOP in §192.619. In determining the alternative design pressure under §192.105 use a design factor determined in accordance with §192.111(b), (c), or (d), or, if none of these apply in accordance with:												
	<table border="0"> <tr> <td style="text-align: center;">Class Location</td> <td style="text-align: center;">Alternative Design Factor (F)</td> </tr> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">0.80</td> </tr> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">0.67</td> </tr> <tr> <td style="text-align: center;">3</td> <td style="text-align: center;">0.56</td> </tr> </table>	Class Location	Alternative Design Factor (F)	1	0.80	2	0.67	3	0.56				
Class Location	Alternative Design Factor (F)												
1	0.80												
2	0.67												
3	0.56												
.620(a)	(1) Establish alternative MAOP commensurate with class location – no class 4			X									
	(2) MAOP cannot exceed the lowest of the following:												
	(i) Design pressure of the weakest element			X									
	(ii) Test pressure divided by applicable factor			X									
.620(b)	(2) Pipeline constructed of steel pipe meeting additional requirements in §192.112.			X									

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	<b>Alternative MAOP Procedures and Verifications</b>	<b>S</b>	<b>U</b>	<b>N/A/N/C</b>
192.620	(3) SCADA system with remote monitoring and control			X
	(4) Additional construction requirements described in §192.328			X
	(5) No mechanical couplings			X
	(6) No failures indicative of systemic material fault – if previously operated at lower MAOP			X
	(7) 95% of girth welds have NDT			X
.620(c)	(1) PHMSA notified 180 days before operating at alternative MAOP			X
	(2) Senior Executive signatures and copy to PHMSA			X
	(4) Strength test per §192.505 or certify previous strength test			X
	(6) Construction tasks treated as covered tasks for Operator Qualification			X
	(7) Records maintained for life of system			X
	(8) Class location change anomaly remediations			X
620(d)	(1) Threat matrix developed consistent with §192.917			X
	(2) Recalculate the potential impact circle per §192.903 and implement public education per §192.616			X
	(3) Responding to an emergency in an HCA			
	(i) Identify HCAs using larger impact circle			X
	(ii) Check personnel response times			X
	(iii) Verify remote valve abilities			X
	(iv) Verify line break valve control system			X
	(4) Protect the right-of-way:			
	(i) ROW patrols 12 per year not to exceed 45 days			X
	(ii) Plan to identify and mitigate unstable soil			X
	(iii) Replace loss of cover if needed			X
	(iv) Use line-of-sight markers per §192.707			X
	(v) Review damage prevention program in light of national consensus practices			X
	(vi) ROW management plan to protect against excavation activities			X
	(5) Control Internal Corrosion:			
	(i) Program to monitor gas constituents			X
	(ii) Filter separators if needed			X
	(iii) Gas Monitoring equipment used			X
	(iv) Cleaning pigs, inhibitors, and sample accumulated liquids			
.620(d)	(v) Limit CO <sub>2</sub> , H <sub>2</sub> S, and water in the gas stream			X
	(vi) Quarterly program review based on monitoring results			X
	(6) (i) Control interference that can impact external corrosion			X
	(ii) Survey to address interference currents and remedial actions			X
	(7) Confirm external corrosion control through indirect assessment			X
	(i) Assess adequacy of CIS and perform DCVG or ACVG within 6 months			
	(ii) Remediate damage with IR drop > 35%			X
	(iii) Integrate internal inspection results with indirect assessment			X
	(iv) Periodic assessments for HCAs			X
	(A-C) Close interval surveys, test stations at ½ mile intervals, and integrate results			
	(8) Cathodic Protection			X
	(i) Complete remediations within 6 months of failed reading			
	(ii) Confirm restoration by a close interval survey			X

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	<b>Alternative MAOP Procedures and Verifications</b>	<b>S</b>	<b>U</b>	<b>N/A</b>	<b>N/C</b>
192.620	(iii) Cathodic protection system operational within 12 months of construction completion			X	
	(9) Baseline assessment of integrity			X	
	(i)(A) Geometry tool run within 6 months of service				
	(i)(B) High resolution MFL tool run within 3 years of service			X	
	(ii) Geometry and MFL tool 2 years prior to raising pressure for existing lines			X	
	(iii) If short portions cannot accommodate tools, use direct assessment per §192.925, 927, 929 or pressure testing			X	
	(10) Periodic integrity assessments			X	
	(i) Frequency for assessments determined as if all segments covered by Subpart O				
	(ii) Inspect using MFL tool or direct assessment per §192.925, 927, 929 or pressure testing.			X	
	(11) Repairs			X	
	(i)(A) Use of the most conservative calculation for anomaly remaining strength				
	(B) Tool tolerances taken into consideration			X	
	(ii) Immediate repairs for:			X	
	(A) Dents meeting 309(b) criteria				
	(B) Defects meeting immediate criteria in §192.933(d)			X	
	(C) Calculated failure pressure ratio less than 1.25 for .67 design factor			X	
	(D) Calculated failure pressure ratio less than 1.4 for .56 design factor			X	
	(iii) Repairs within 1 year for:			X	
	(A) Defects meeting 1 year criteria in 933(d)				
	(B) Calculated failure pressure ratio less than 1.25 for .80 design factor			X	
	(C) Calculated failure pressure ratio less than 1.50 for .67 design factor			X	
	(D) Calculated failure pressure ratio less than 1.80 for .56 design factor			X	
	(iv) Evaluate defect growth rate for anomalies with > 1 year repair interval and set repair interval			X	
(1) Provide overpressure protection to a max of 104% MAOP			X		
.620(e)	Does the AMAOP process include overpressure protection requirements?			X	
	Do records indicate that overpressure protection requirements were met?			X	

**Comments:**  
 192.620-620(e) \*\*\*Notes - No alternative MAOP\*\*\*

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

**Number                  Date                          Subject**

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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
ADB-11-04	Jul 27, 11	Potential for damage to pipeline facilities caused by severe flooding.
ADB-11-03	May 17, 11	National Pipeline Mapping System Data Submissions and Submission Dates for Gas Transmission and Gathering Systems and Liquefied Natural Gas Annual Reports

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

<b>Comments:</b>
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