

# Utilities and Transportation Commission

## Standard Inspection Report for Intrastate Gas Distribution Systems

### Records Review and Field Inspection

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

Inspection Report			
<b>Inspection ID/Docket Number</b>	2636		
<b>Inspector Name &amp; Submit Date</b>	Dave Cullom 8/2/2013		
<b>Chief Eng Name &amp; Review/Date</b>	Joe Subsits 8/5/2013		
Operator Information			
<b>Name of Operator:</b>	Avista Utilities	<b>OP ID #:</b>	31232
<b>Name of Unit(s):</b>	Spokane County		
<b>Records Location:</b>	Spokane HQ and Dollar Rd facility		
<b>Date(s) of Last (unit) Inspection:</b>	Sept 13 – 16, 2010 and October 19 - 22, 2010	<b>Inspection Date(s):</b>	July 16-25, 2013

<p><b>Inspection Summary:</b></p> <p>This was a standard inspection that occurs currently on a three year cycle and was last performed in 2010. The inspection included records and field review of the new Spokane district that follows the Spokane County political boundary. We used the GIS (AM/FM system) to select all the records for review and also checked mapping updates in the same application to ensure the required regulatory compliance timeframes were met.</p> <hr/> <p>There was (1) one item of concern and no probable violations cited for this inspection.</p> <p>The item of concern was in regards to a couple low CP readings</p> <ol style="list-style-type: none"> <li>1. The carrier pipe reading at the Interstate 90 and White Road crossing did not meet the -850mV CSE (on) criteria. The casing reading obtained was -740mV CSE (on) for the carrier pipe and was -650mV CSE (on) on the casing. The operator did note that they were tracing a short in that cathodic protection system that was probably causing interference and indicated they would follow up with a CP survey to find the short at a later date.</li> <li>2. The service at 3025 South Geiger Blvd read -730mV at the meter and -740mV when read remotely by spooling out approximately 100ft from the meter. It was also noted that this service was in the same cathodic protection system, per the operator's records, as the previous finding. The operator did note that they would trace the short that was presumed to be causing the low reads and indicated they would follow up with a CP survey to clear the short.</li> </ol>
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<p><b>HQ Address:</b> 1411 E. Mission, P.O. Box 3727 Spokane, WA 99202-3727</p>	<p><b>System/Unit Name &amp; Address:</b> 1411 E. Mission, P.O. Box 3727 Spokane, WA 99202-3727</p>
<p><b>Co. Official:</b> Don Kopczynski <b>Phone No.:</b> 509-495-4877 <b>Fax No.:</b> <b>Emergency Phone No.:</b></p>	<p><b>Phone No.:</b> 509-495-4877 <b>Fax No.:</b> <b>Emergency Phone No.:</b> Mike Faulkenberry Director of Natural Gas Off: 509-495-8499</p>

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Mike Faulkenberry Director of Natural Gas Off: 509-495-8499 Cell: 509-990-2386	Cell: 509-990-2386
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Persons Interviewed	Title	Phone No.
Randy K. Bareither, PE,	Pipeline Safety Engineer	509-495-8716
Sonia Johnson	Sr. Compliance Technician	509-495-4959
Curt Lystad	CP Tech	509-495-4152
Steve Winters	CP Tech	509-495-4151
Tim Mair	Spokane Gas Asst Manager	509-495-4152
Rich Inouye	Pressure Control	509-495-4152
Randy Chandler	Pressure Control	509-495-4152
Gary Douglas	CP Specialist	509-495-4198
David Howell	Senior Manager – Gas Operations	509-495-8719
Brandon Beierle	Pipeline Specialist	509-495-8501
Robert Cloward	GIS Analyst	509-495-8282

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

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GAS SYSTEM OPERATIONS			
<b>Gas Supplier</b>		TransCanada and Williams	
<b>Services:</b> <i>Residential</i> 117534 <i>Commercial</i> 11570 <i>Industrial</i> 126 <i>Other</i> 55			
Number of reportable safety related conditions last year		0	
Number of <u>non-reportable</u> safety related conditions last year		0	
Number of deferred leaks in system		0	
Number of third party hits last year		169	
Miles of transmission pipeline within unit (total miles and miles in class 3 & 4 areas)		25.7 miles in Spokane unit    0 and 0	
Miles of main within inspection unit (total miles and miles in class 3 & 4 areas)		2900 Miles of main ~1950 Class 3 ~60 class 4	
<b>Operating Pressure(s):</b>		<b>MAOP (Within last year)</b>	<b>Actual Operating Pressure (At time of Inspection)</b>
Feeder:	Varies 368, 147, 472.5, 713 (Kettle Falls/9 mile gate) Mead Gate – 368) psig	Varies	See Feeder Operating Pressures in column 1
Town:	Varies (Usually <60 psig)	60 psig for the IP system in most cases	53.5, 55.2, 54.5, 55, (Kettle Falls/9 mile gate - 159) (Mead Gate 146 out) psig
Other:			
Does the operator have any transmission pipelines?		Yes – Part of the Transmission inspection	
Compressor stations? Use Attachment 1.		No	

Pipe Specifications:			
Year Installed (Range)	1956 - present	Pipe Diameters (Range)	.5 – 24 inch
Material Type	Steel and PE	Line Pipe Specification Used	API5L
Mileage	See above	SMYS %	Max is 27.3% on the Kettle Falls transmission.

**Operator Qualification Field Validation**

**Important:** Per OPS, the OQ Field Inspection Protocol Form (Rev 4, May 2007) shall be used by the inspector as part of this standard inspection. When completed, the inspector will upload this information into the PHMSA OQ Database (OQDB) located at <http://primis.phmsa.dot.gov/oqdb/home.oq>    **Date Completed/Uploaded**    To be uploaded after Chief Engineer review

**Integrity Management Field Validation**

**Important:** Per PHMSA, IMP Field Verification Form (Rev 6/18/2012) shall be used by the inspector as part of this standard inspection. When completed, the inspector will upload this information into the PHMSA IM Database (IMDB) located at <http://primis.phmsa.dot.gov/gasimp/home.gim>    **Date Completed/Uploaded:** This is done in the transmission audit.

PART 199 Drug and Alcohol Testing Regulations and Procedures		S	U	NA	NC
<b>Subparts A - C</b>	Drug & Alcohol Testing & Misuse Prevention Program – Use PHMSA Form #13, Rev 3/19/2010. Do not ask the company to have a drug and alcohol expert available for this portion of your inspection. <b>****Notes – Hallie has been in this Position since Jan 2013****</b>	X			

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REPORTING RECORDS			S	U	N/A	N/C
1.	49 U.S.C. 60132, Subsection (b)	For Gas Transmission Pipelines and LNG Plants. Submission of Data to the National Pipeline Mapping System Under the Pipeline Safety Improvement Act of 2002 Updates to NMPS: Operators are required to make update submissions every 12 months if any system modifications have occurred. <u>If no modifications have occurred since the last complete submission (including operator contact information), send an email to <a href="mailto:opsgis@rspa.dot.gov">opsgis@rspa.dot.gov</a> stating that fact.</u> Include operator contact information with all updates. ****Notes – Email sent March 4 <sup>th</sup> 2013 to NPMS****	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? ****Notes - Randy showed me the letter ****	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. ***Notes – The operator provided the formula (The gas loss calculator tool is in the GESH. The EOP (Emergency Operating Plan has a procedure to contact gas dispatch)****	X			
4.	191.7	Reports (except SRCR and offshore pipeline condition reports) must be submitted electronically to PHMSA at <a href="https://opsweb.phmsa.dot.gov">https://opsweb.phmsa.dot.gov</a> at unless an alternative reporting method is authorized IAW with paragraph (d) of this section. ***Notes – Completely electronic submission. Several examples provided by Randy. In the GESH EOP Section 8 the notification process in detailed*****	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>	X			
6.	191.15(c)	Supplemental report (to 30-day follow-up) ****Notes – Randy provided a copy of the supplemental and final of the Odessa 12/27/2012 Rpt # 20110357-15570. They noted to close the original report****	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). ****Notes – Marina has these on file****	X			
8.	191.22	Each operator must obtain an OPID, validate its OPIDs, and notify PHMSA of certain events at <a href="https://opsweb.phmsa.dot.gov">https://opsweb.phmsa.dot.gov</a> ****Notes - 4/17/2012 They have done so.****	X			
9.	191.23	Filing the Safety Related Condition Report (SRCR) ****Notes – None****			X	
10.	191.25  49 U.S.C. 60139, Subsection (b)(2)	Filing the SRCR within 5 days of determination, but not later than 10 days after discovery.  <b>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 <u>on or before the fifth day</u> 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. ****Notes – None – No occurrences****</li> </ul>			X	

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REPORTING RECORDS			S	U	N/A	N/C
11.	.605(d)	Instructions to enable operation and maintenance personnel to recognize potential <b>Safety Related Conditions</b> ****Notes – In Standard 4.12*****	X			
12.	191.27	Offshore pipeline condition reports – filed within 60 days after the inspections****Notes – None – No occurrences****			X	
13.	192.727(g)	Abandoned facilities offshore, onshore crossing commercially navigable waterways reports ****Notes - None in this unit***			X	
14.	480-93-200(1)	Telephonic Reports to <b>UTC Pipeline Safety Incident Notification 1-888-321-9144</b> (Within <b>2 hours</b> ) for events which results in;				
15.	480-93-200(1)(a)	A fatality or personal injury requiring hospitalization;	X			
16.	480-93-200(1)(b)	Damage to property of the operator and others of a combined total exceeding fifty thousand dollars;	X			
17.	480-93-200(1)(c)	The evacuation of a building, or high occupancy structures or areas;	X			
18.	480-93-200(1)(d)	The unintentional ignition of gas;	X			
19.	480-93-200(1)(e)	The unscheduled interruption of service furnished by any operator to twenty five or more distribution customers;	X			
20.	480-93-200(1)(f)	A pipeline pressure exceeding the MAOP plus ten percent or the maximum pressure allowed by proximity considerations outlined in WAC 480-93-020;	X			
21.	480-93-200(1)(g)	Is significant, in the judgment of the operator, even though it does not meet the criteria of (a) through (f) of this subsection;	X			
22.	480-93-200(2)	Telephonic Reports to <b>UTC Pipeline Safety Incident Notification 1-888-321-9146</b> (Within <b>24 hours</b> ) for;				
23.	480-93-200(2)(a)	The uncontrolled release of gas for more than two hours;	X			
24.	480-93-200(2)(b)	The taking of a high pressure supply or transmission pipeline or a major distribution supply gas pipeline out of service;	X			
25.	480-93-200(2)(c)	A gas pipeline operating at low pressure dropping below the safe operating conditions of attached appliances and gas equipment; or	X			
26.	480-93-200(2)(d)	A gas pipeline pressure exceeding the MAOP	X			
27.	480-93-200(4)	Did written incident reports (within 30 days of telephonic notice) include the following				
28.	480-93-200(4)(a)	Name(s) and address(es) of any person or persons injured or killed, or whose property was damaged;	X			
29.	480-93-200(4)(b)	The extent of injuries and damage;	X			
30.	480-93-200(4)(c)	A description of the incident or hazardous condition including the date, time, and place, and reason why the incident occurred. If more than one reportable condition arises from a single incident, each must be included in the report;	X			
31.	480-93-200(4)(d)	A description of the gas pipeline involved in the incident or hazardous condition, the system operating pressure at that time, and the MAOP of the facilities involved;	X			
32.	480-93-200(4)(e)	The date and time the gas pipeline company was first notified of the incident;	X			
33.	480-93-200(4)(f)	The date and time the ((operator's)) gas pipeline company's first responders arrived on-site;	X			
34.	480-93-200(4)(g)	The date and time the gas ((facility)) pipeline was made safe;	X			
35.	480-93-200(4)(h)	The date, time, and type of any temporary or permanent repair that was made;	X			
36.	480-93-200(4)(i)	The cost of the incident to the ((operator)) gas pipeline company;	X			
37.	480-93-200(4)(j)	Line type;	X			
38.	480-93-200(4)(k)	City and county of incident; and	X			
39.	480-93-200(4)(l)	Any other information deemed necessary by the commission.	X			
40.	480-93-200(5)	Supplemental report if required information becomes available after 30 day report submitted	X			
41.	480-93-200(6)	Written report within 5 days of receiving the <b>failure analysis</b> of any incident or hazardous condition due to <b>construction defects or material failure</b> ****Notes – <b>The last one was 10/26/2011</b> ****	X			
42.	480-93-200(7)	<b>Filing Reports of Damage to Gas Pipeline Facilities to the commission. (eff 4/1/2013)</b> <b>(Via the commission's Virtual DIRT system or on-line damage reporting form)</b>				

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REPORTING RECORDS			S	U	N/A	N/C
43.	480-93-200(7)(a)	Does the operator report to the commission the requirements set forth in RCW 19.122.053(3) (a) through (n) *****Notes – <b>The operator reports once a month</b> ****	X			
44.	480-93-200(7)(b)	Does the operator report the name, address, and phone number of the person or entity that the company has reason to believe may have caused damage due to excavations conducted <u>without facility locates</u> first being completed?	X			
45.	480-93-200(7)(c)	Does the operator retain all damage and damage claim records it creates related to damage events reported under 93-200(7)(b), including photographs and documentation supporting the conclusion that a facilities locate was not completed? <b>Note:</b> Records maintained for two years and made available to the commission upon request.	X			
46.	480-93-200(8)	Does the operator provide the following information to excavators who damage gas pipeline facilities?				
47.	480-93-200(8)(a)	<ul style="list-style-type: none"> <li>Notification requirements for excavators under RCW 19.122.050(1) *****Notes – <b>Randy showed copies of all the letters</b>****</li> </ul>	X			
48.	480-93-200(8)(b)	<ul style="list-style-type: none"> <li>A description of the excavator's responsibilities for reporting damages under RCW 19.122.053; and</li> </ul>	X			
49.	480-93-200(8)(c)	<ul style="list-style-type: none"> <li>Information concerning the safety committee referenced under RCW 19.122.130, including committee contact information, and the process for filing a complaint with the safety committee.</li> </ul>	X			
50.	480-93-200(9)	<b>Reports to the commission only when the operator or its contractor observes or becomes aware of the following activities...</b> <ul style="list-style-type: none"> <li>An excavator digs within thirty-five feet of a transmission pipeline, as defined by RCW 19.122.020(26) without first obtaining a facilities locate; (200(9)(a)</li> <li>A person intentionally damages or removes marks indicating the location or presence of gas pipeline facilities. 200(9)(b) *****Notes – <b>The operator has no instances, but they have it in 4.13 Sheet 7 and 8.</b>*****</li> </ul>			X	
51.	480-93-200(10)	<b>Annual Reports</b> filed with the commission no later than <b>March 15</b> for the proceeding calendar year				
52.	480-93-200(10)(a)	A copy of PHMSA F-7100.1-1 and F-7100.2-1 annual report required by U.S. Department of Transportation, PHMSA/Office of Pipeline Safety *****Notes - <b>Marina has these on file</b> ****	X			
53.	480-93-200(10)(b)	Reports detailing all construction defects and material failures resulting in leakage. Categorizing the different types of construction defects and material failures. The report must include the following: (i) Types and numbers of construction defects; and (ii) Types and numbers of material failures. *****Notes – <b>Marina has these on file</b> ****	X			
54.	480-93-200(11)	Providing updated emergency contact information to the commission and appropriate officials of all municipalities where gas pipeline companies have facilities *****Notes – <b>As part of public awareness, they send updated contact information to public officials</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. ***Notes – <b>Looked at 12/31/2012 submission to PHMSA.</b> ****	X			

**Comments:**

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<b>CUSTOMER and EXCESS FLOW VALVE INSTALLATION NOTIFICATION</b>			<b>S</b>	<b>U</b>	<b>N/A</b>	<b>N/C</b>
<b>57.</b>	192.16	<b>Customer notification</b> - Customers notified, within <b>90 days</b> , of their responsibility for those service lines not maintained by the operator <b>****Notes – Showed every new customer list in 2012 that received the notice****</b>	X			
<b>58.</b>	192.381	Does the excess flow valve meet the performance standards prescribed under §192.381? <b>****Notes – Section 3.16 addresses this in the manual****</b>	X			
<b>59.</b>	192.383	Does the operator have an installation and reporting program for excess flow valves and does the program meet the requirements outlined in §192.383? Are records adequate? <b>****Notes – Section 3.16 addresses this in the manual****</b>	X			

**Comments:**

<b>CONSTRUCTION RECORDS</b>			<b>S</b>	<b>U</b>	<b>N/A</b>	<b>N/C</b>
<b>60.</b>	480-93-013	OQ records for personnel performing New Construction covered tasks. <b>****Notes - Looked at welding records for new construction on Mica City Gate and RegSta 377.****</b>	X			
<b>61.</b>	192.225	Test Results to Qualify Welding Procedures - <b>***Notes – Looked at SM12M for the Mica City Gate****</b>	X			
<b>62.</b>	192.227	Welder Qualification <b>***Notes - Rich Inouye, Steve Orvik, Greg Mattison quals looked good for the jobs checked****</b>	X			
<b>63.</b>	480-93-080(1)(b)	Appendix C Welders re-qualified <b>2/Yr (7.5Months) ****Notes - No Appendix C welders****</b>			X	
<b>64.</b>	480-93-080(2)	Plastic pipe joiners re-qualified <b>1/Yr (15 Months) ****Notes - Levitt 2011, Buchanan 2010 OQ records checked****</b>	X			
<b>65.</b>	480-93-080(2)(b)	Plastic pipe joiners re-qualified if no production joints made during any 12 month period <b>****Notes – All joiners requalified 1<sup>st</sup> quarter of each year ****</b>	X			
<b>66.</b>	480-93-080(2)(c)	Tracking Production Joints or Re-qualify joiners <b>1/Yr (12Months) ****Notes - Joints tracked – PE Field Joint tracker. The procedure is in Spec 3.23 Pg 1****</b>	X			
<b>67.</b>	480-93-115(2)	Test leads on casings (without vents) installed after 9/05/1992 <b>****Notes – no casing without vents installed****</b>			X	
<b>68.</b>	480-93-115(3)	Sealing ends of casings or conduits on transmission lines and mains <b>****Notes – Done per Spec 3.42 Sheet 5****</b>	X			
<b>69.</b>	480-93-115(4)	Sealing ends (nearest building wall) of casings or conduits on services <b>****Notes – Done per Spec 3.16 Sheet 8****</b>	X			
<b>70.</b>	192.241(a)	Visual Weld Inspector Training/Experience <b>*****Notes – Looked at quals for Rich Inouye, Steve Orvik, Greg Mattison****</b>	X			
<b>71.</b>	192.243(b)(2)	Nondestructive Technician Qualification <b>****Notes – They do not install transmission anymore – None installed in this inspection timeframe****</b>			X	
<b>72.</b>	192.243(c)	NDT procedures <b>****Notes – They do not install transmission anymore – None installed in this inspection timeframe****</b>			X	
<b>73.</b>	192.243(f)	Total Number of Girth Welds <b>****Notes – They do not install transmission anymore – None installed in this inspection timeframe****</b>			X	
<b>74.</b>	192.243(f)	Number of Welds Inspected by NDT <b>****Notes – They do not install transmission anymore – None installed in this inspection timeframe</b>			X	
<b>75.</b>	192.243(f)	Number of Welds Rejected <b>****Notes – They do not install transmission anymore – None installed in this inspection timeframe****</b>			X	
<b>76.</b>	192.243(f)	Disposition of each Weld Rejected <b>****Notes – They do not install transmission anymore – None installed in this inspection timeframe****</b>			X	

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<b>CONSTRUCTION RECORDS</b>			<b>S</b>	<b>U</b>	<b>N/A</b>	<b>N/C</b>
77.	.273/.283	Qualified Joining Procedures Including Test Results <b>****Notes – Done per Spec 3.23 Sheet 2****</b>	X			
78.	192.303	Construction Specifications <b>**Notes – On pressure stickers attached to jobs and in the O&amp;M. ***</b>	X			
79.	192.325 WAC 480-93-178(4)(5)	Underground Clearances <b>****Notes - Spec 3.15 Sheet 2 -</b>	X			
80.	192.327	Amount, location, cover of each size of pipe installed <b>****Notes – 3.15 Sheet 1 ****</b>	X			
81.	480-93-160(1)	Report filed <b>45 days</b> prior to construction or replacement of transmission pipelines <b>≥ 100 feet</b> in length <b>***Notes – None in this inspection cycle***</b>			X	
82.	480-93-160(2)	Did report describe the proposed route and the specifications for the pipeline and must include, but is not limited to the following items: <b>***Notes – None in this inspection cycle***</b>			X	
83.	480-93-160(2)(a)	Description and purpose of the proposed pipeline; <b>***Notes – None in this inspection cycle***</b>			X	
84.	480-93-160(2)(b)	Route map showing the type of construction to be used throughout the length of the line, and delineation of class location as defined in 49 CFR Part 192.5, and incorporated boundaries along the route. <b>***Notes – None in this inspection cycle***</b>			X	
85.	480-93-160(2)(c)	Location and specification of principal valves, regulators, and other auxiliary equipment to be installed as a part of the pipeline system to be constructed <b>***Notes – None in this inspection cycle***</b>			X	
86.	480-93-160(2)(d)	MAOP for the gas pipeline being constructed; <b>***Notes – None in this inspection cycle***</b>			X	
87.	480-93-160(2)(e)	Location and construction details of all river crossings or other unusual construction requirements encountered en route. <b>***Notes – None in this inspection cycle***</b>			X	
88.	480-93-160(2)(f)	Proposed corrosion control program to be followed inc specs for coating and wrapping, and method to ensure the integrity of the coating using holiday detection equipment; <b>***Notes – None in this inspection cycle***</b>			X	
89.	480-93-160(2)(g)	Welding specifications; <b>***Notes – None in this inspection cycle***</b>			X	
90.	480-93-160(2)(h)	Bending procedures to be followed if needed. <b>***Notes – None in this inspection cycle***</b>			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> <b>***Notes – None in this inspection cycle***</b>			X	
92.	480-93-170(7)	Pressure tests records at a minimum include required information listed under 480-93-170(a-h) <b>***Notes – Looked at numerous construction jobs – all appeared fine****</b>	X			
93.	480-93-170(9)	Individual pressure test records maintained for single installations where multiple pressure tests were performed? <b>***Notes – In standards – No instances occurred during the inspection time period. – In 3.18 Section 6***</b>			X	
94.	480-93-170(10)	Pressure Testing Equipment checked for accuracy/intervals (Manufacturers Rec or Operators schedule) <b>****Notes – They send an email per Spec 5.21 Sheet 5 and 6. The operator does not maintain a master list. Each gauge is tagged and I verified the expiration dates of each gauge used during the field portion****</b>	X			
95.	480-93-175(2)	Study prepared and approved prior to moving and lowering of metallic pipelines <b>&gt; 60 psig</b> <b>****Notes – Spec 3.12 Sheets 9-12****</b>	X			
96.	480-93-175(4)	Leak survey within <b>30 days</b> of moving or lowering pipelines <b>≤ 60 psig</b> <b>****Notes – Spec 3.12 Page 10****</b>	X			

**Comments:**



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OPERATIONS and MAINTENANCE RECORDS			S	U	N/A	N/C
97.	192.517(a)	Pressure Testing (operates at or above 100 psig) – <b>useful life of pipeline ****R-29, Mica City gate, and 377 was looked at and the pressure tests looked fine****</b>	X			
98.	192.517(b)	Pressure Testing (operates below 100 psig, service lines, plastic lines) – <b>****Notes – Looked at several jobs and had no issues.****</b>	X			
99.	192.605(a)	Procedural Manual Review – Operations and Maintenance (1 per yr/15 months) <b>Note:</b> Including review of OQ procedures as <u>suggested</u> by PHMSA - ADB-09-03 dated 2/7/09 <b>****Notes – Spec 1.3 has the time frame. They have an expiration date on manuals too****</b>	X			
100.	192.605(b)(3)	Availability of construction records, maps, operating history to operating personnel <b>****Notes - Randy attests that the manuals, maps, and records are current. We had no issues in the field portion of bringing up current maps****</b>	X			
101.	480-93-018(3)	Records, including maps and drawings updated within <b>6 months</b> of completion of construction activity? <b>****Notes – R-29, Mica City gate, Pine Point and Forest Ridge, N Ralph****</b>	X			
102.	192.605(b)(8)	Periodic review of personnel work – effectiveness of normal O&M procedures <b>****Notes - Managers review the crew sheets. For example to get map updates into the system every closed job gets a closed job summary and editors generate a follow-up paperwork to the person if there is an error.****</b>	X			
103.	192.605(c)(4)	Periodic review of personnel work – effectiveness of abnormal operation procedures <b>***Notes – Managers review trouble orders Code 5***</b>	X			
104.	192.609	Class Location Study (If applicable) <b>****Notes Avista designs to class 4****</b>			X	
105.	192.611	Confirmation or revision of MAOP <b>****Notes – Avista designs to class 4 and there have been no cases where it has been needed to lower a MAOP to be in compliance with a change in class location****</b>	X			
106.		<b>Damage Prevention (Operator Internal Performance )</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) <b>****Notes – Some amount of follow-up is being done.****</b>	X			
108.		Does operator including performance measures in facility locating services contracts with corresponding and meaningful incentives and penalties? <b>****Notes – The ELM contract has written satisfactory performance is needed for payment.****</b>	X			
109.		Do locate contractors address performance problems for persons performing locating services through mechanisms such as re-training, process change, or changes in staffing levels? <b>****Notes – Their contractor has discipline policy for escalation and attached email July 16, 2012****</b>	X			
110.	192.614	Does the operator periodically review the Operator Qualification plan criteria and methods used to qualify personnel to perform locates? <b>****Notes – As part of the annual updates to the manual the locating portion is reviewed. The contractor must provide OQ plan to the Pipeline Safety Engineer for compliance.****</b>	X			
111.		Review operator locating and excavation <u>procedures</u> for compliance with state law and regulations. <b>***Notes – In Spec 4.13****</b>	X			
112.		Are locates are being made within the timeframes required by state law and regulations? Examine record sample. <b>***Notes – We looked at several and all were fine****</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? <b>****Notes – The locator’s plan must be equal or better than Avista’s.****</b>	X			
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? <b>****Notes - No examples currently, but have a procedure****</b>	X			

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**Comments:** Notes - Their metrics for damage prevention is 3.6/1000 as of the end of June 2013. Their goal is less than 6.

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 <b>***Notes - 1118 East Bridgeport, 2337 West Clarke, and 4204 Woodlawn looked at. Also looked at Code 5 ****</b>	X																													
117.	192.615(b)(1)	Location Specific Emergency Plan <b>****Notes – The EOP of the GESH has this****</b>	X																													
118.	192.615(b)(2)	Emergency Procedure training, verify effectiveness of training <b>****Notes – Managers review trouble orders. Mock drills are done. They did tabletop exercises Sept 29 2010 and 2011****</b>	X																													
119.	192.615(b)(3)	Employee Emergency activity review, determine if procedures were followed. <b>****Notes – Managers review trouble orders.</b>	X																													
120.	192.615(c)	Liaison Program with Public Officials <b>****Notes - The PA program had some issues addressed by Patti and there is a follow-up scheduled for 2014****</b>	X																													
121.	192.616	<b>Public Awareness Program</b>																														
122.	192.616(e&f)	Documentation properly and adequately reflects implementation of operator’s Public Awareness Program requirements - Stakeholder Audience identification, message type and content, delivery method and frequency, supplemental enhancements, program evaluations, etc. (i.e. contact or mailing rosters, postage receipts, return receipts, audience contact documentation, etc. for emergency responder, public officials, school superintendents, program evaluations, etc.). See table below: <b>****Notes - The PA program had some issues addressed by Patti and there is a follow-up scheduled for 2014****</b>	X																													
123.		Operators in existence on June 20, 2005, must have completed their written programs no later than June 20, 2006. See 192.616(a) and (j) for exceptions.																														
124.		<b>API RP 1162 Baseline* Recommended Message Deliveries</b>																														
125.		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%; text-align: center;">Stakeholder Audience (LDC’s)</th> <th style="width: 50%; text-align: center;">Baseline Message Frequency (starting from effective date of Plan)</th> </tr> </thead> <tbody> <tr> <td>Residence Along Local Distribution System</td> <td>Annual</td> </tr> <tr> <td>LDC Customers</td> <td>Twice annually</td> </tr> <tr> <td>One-Call Centers</td> <td>As required of One-Call Center</td> </tr> <tr> <td>Emergency Officials</td> <td>Annual</td> </tr> <tr> <td>Public Officials</td> <td>3 year</td> </tr> <tr> <td>Excavator and Contractors</td> <td>Annual</td> </tr> <tr> <th style="text-align: center;">Stakeholder Audience (Transmission line operators)</th> <th style="text-align: center;">Baseline Message Frequency (starting from effective date of Plan)</th> </tr> <tr> <td>Residence Along Local Distribution System</td> <td>2 years</td> </tr> <tr> <td>One-Call Centers</td> <td>As required of One-Call Center</td> </tr> <tr> <td>Emergency Officials</td> <td>Annual</td> </tr> <tr> <td>Public Officials</td> <td>3 years</td> </tr> <tr> <td>Excavator and Contractors</td> <td>Annual</td> </tr> </tbody> </table>	Stakeholder Audience (LDC’s)	Baseline Message Frequency (starting from effective date of Plan)	Residence Along Local Distribution System	Annual	LDC Customers	Twice annually	One-Call Centers	As required of One-Call Center	Emergency Officials	Annual	Public Officials	3 year	Excavator and Contractors	Annual	Stakeholder Audience (Transmission line operators)	Baseline Message Frequency (starting from effective date of Plan)	Residence Along Local Distribution System	2 years	One-Call Centers	As required of One-Call Center	Emergency Officials	Annual	Public Officials	3 years	Excavator and Contractors	Annual				
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126.		* Refer to API RP 1162 for additional requirements, including general program recommendations, supplemental requirements, recordkeeping, program evaluation, etc.				
127.	192.616(g)	The program conducted in English and any other languages commonly understood by a significant number of the population in the operator's area.	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 - The PA program had some issues addressed by Patti and there is a follow-up scheduled for 2014****</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 – No a MM or PGS 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 – They provided a report of the Aldyl A GTI report****</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) <b>****Notes – In Section 2.12****</b>	X			
132.	480-93-015(1)	Odorization of Gas – Concentrations adequate <b>****Notes – 5-15% UEL/LEL They odorize to .4 when the minimum is 1%****</b>	X			
133.	480-93-015(2)	Monthly Odorant Sniff Testing <b>*****Notes – Well within the limits – good documentation***</b>	X			
134.	480-93-015(3)	Prompt action taken to investigate and remediate odorant concentrations not meeting the minimum requirements <b>*****Notes -4.18 Sheet 1 has procs****</b>			X	
135.	480-93-015(4)	Odorant Testing Equipment Calibration/Intervals (Annually or Manufacturers Recommendation) <b>****Notes – We looked at all units for calibration – all were on time and good****</b>	X			
136.	480-93-124(3)	Pipeline markers attached to bridges or other spans inspected? <b>1/yr(15 months) **Notes in Spec 5.15 Sheet 5 and Looked at records back to 2010****</b>	X			
137.	480-93-124(4)	Markers reported missing or damaged replaced within <b>45 days? ****Notes None noted.****</b>	X			
138.	480-93-140(2)	Service regulators and associated safety devices tested during initial turn-on	X			
139.	480-93-155(1)	Up-rating of system MAOP to <b>&gt;60 psig?</b> Procedures and specifications submitted <b>45 days prior? ***Notes None in this cycle</b>			X	
140.	480-93-185(1)	Reported gas leaks promptly investigated? Graded in accordance with 480-93-186? Records retained? <b>****Notes – Looked at several times for responses in the GIS. All were good***</b>	X			

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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; <b>****Notes – Looked at a letter sent.****</b>	X			
142.	480-93-185(3)(b)	Leaks originating from a foreign source reported promptly/notification by mail. Records retained?	X			
143.	480-93-186(3)	Leak evaluations: Are follow-up inspections performed within <b>30 days</b> of a leak repair?	X			
144.	480-93-186(4)	Leak evaluations: Grade 1 and 2 leaks (if any), downgraded once to a grade 3 without physical repair? <b>****Notes - This was/is not done****</b>	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) <b>*****Notes – Records show they were tested 5.11 Sheet 2 is the procedure.***</b>	X			
148.	480-93-188(3)	Leak survey frequency (Refer to Table Below) <b>****Looked at ~20 records for each year 2010-2012</b>	X			

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)

149.	480-93-188(4)(a)	Special leak surveys - Prior to paving or resurfacing, following street alterations or repairs <b>*****Notes – Looked at several in paper and the GIS*****</b>	X			
150.	480-93-188(4)(b)	Special leak surveys - areas where substructure construction occurs adjacent to underground gas facilities, and damage could have occurred <b>****Notes – in 5.11 Sheet 6 and 7 Inspectors and local gas rep****</b>	X			
151.	480-93-188(4)(c)	Special leak surveys - Unstable soil areas where active gas lines could be affected <b>***Notes – None known*****</b>			X	
152.	480-93-188(4)(d)	Special leak surveys - areas and at times of unusual activity, such as earthquake, floods, and explosions <b>***Notes – None****</b>			X	
153.	480-93-188(4)(e)	Special leak surveys - After third-party excavation damage to services, operators must perform a gas leak survey from the point of damage to the service tie-in <b>****Notes – these are the trouble ones Code 5 and Code 9 We looked at one 12625 Freya 2013 and 2012 4330 Francis, 7721 Euclid, and 2806 E Nora.***</b>	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 <b>***Notes – They do them nearly every month. I looked at three years of records. This is done by LB.****</b>	X			
156.	192.709	Patrolling (Transmission Lines) (Refer to Table Below) .705 <b>***Notes – This is a distribution audit***</b>			X	

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)

157.	192.709	Leak Surveys (Transmission Lines) (Refer to Table Below) .706 <b>***Notes – This is a distribution audit***</b>			X	
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Class Location	Required	Not Exceed
1 and 2	1/yr	15 months
3	2/yr	7½ months
4	4/yr	4½ months

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158.	192.603(b)	Patrolling Business District (4 per yr/4½ months) .721(b)(1)	X			
159.	192.603(b)	Patrolling Outside Business District (2 per yr/7½ months) 192.721(b)(2)***Notes - <b>Looked at bridge records that includes the patrols*****</b>	X			
160.	192.603(b)	Leakage Survey - Outside Business District (5 years) 192 .723(b)(1)	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 – none known*****</li> </ul>	X			
162.	192.603(b)	Tests for Reinstating Service Lines 192.725 *****Notes – Looked at several of these <b>in trouble orders in 5.17 Section 1 of 2*****</b>	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 – <b>Looked at many annuals and set points for several reg sets.*****</b>	X			
165.	192.709	Pressure Limiting and Regulator Stations – Capacity (1 per yr/15 months) .743 *****Notes - I reviewed memos from Tim Harding to the compliance manager for <b>2012. The operator has been doing this some time now. I also looked at several examples of reviews.*****</b>	X			
166.	192.709	Valve Maintenance – Transmission (1 per yr/15 months) .745***Notes – This is a <b>distribution audit***</b>			X	
167.	192.709	Valve Maintenance – Distribution (1 per yr/15 months) .747 *****Notes – Looked at <b>all for three years*****</b>	X			
168.	480-93-100(3)	Service valve maintenance (1 per yr/15 months) ***Note – VMs in db – All looked <b>fine***</b>	X			
169.	192.709	Vault maintenance (≥200 cubic feet)(1 per yr/15 months) .749 *****Notes - No <b>vaults in the State of Washington*****</b>			X	
170.	192. 603(b)	Prevention of Accidental Ignition (hot work permits) .751 *****Notes – 3.17 Sheet. Is <b>also an OQ task. *****</b>	X			
171.	192. 603(b)	Welding – Procedure 192.225(b) *****Notes – Looked at several procedures in <b>question 61*****</b>	X			
172.	192. 603(b)	Welding – Welder Qualification 192.227/.229 ***Notes - Checked welder <b>qualifications for Rich and others in question 62***</b>	X			
173.	192. 603(b)	NDT – NDT Personnel Qualification .243(b)(2) *****Notes – NDT is not required <b>for distribution installations. They pressure test.*****</b>			X	
174.	192.709	NDT Records (pipeline life) .243(f) *****Note – Not a transmission <b>audit***</b>			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 – Done annually***	X			

**Comments:**

CORROSION CONTROL RECORDS			S	U	N/A	N/C
177.	192.455(a)(1)	Pipeline coatings meet requirements of 192.461 (for buried pipelines installed after 7/31/71) *****Notes – FBE is used. No ceramic powder coating is used at all.	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 – In O&M Section 2.32 Sheet 5***	X			

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CORROSION CONTROL RECORDS			S	U	N/A	N/C
180.	192.491	Test Lead Maintenance .471 <b>***Notes – They install two test leads now per the design specs****</b>	X			
181.	192.491	Maps or Records .491(a) <b>**** Notes – They have a GIS system****</b>	X			
182.	192.491	Examination of Buried Pipe when exposed .459 <b>***Notes Section 3.44 has the overview of the procedure***</b>	X			
183.	480-93-110(8)	CP test reading on all exposed facilities where coating has been removed <b>***Notes – Section 5.14 Sheet 8 has exposed pipe reads, if coating needs to be repaired***</b>	X			
184.	192.491	Annual Pipe-to-soil monitoring (1 per yr/15 months) .465(a) <b>***Notes - Checked back to 2010****</b>	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) <b>****Notes - Checked Chevron records.***</b>	X			
187.	192.491	Interference Bond Monitoring – Non-critical (1 per yr/15 months) .465(c) <b>****Notes – None in Spokane***</b>			X	
188.	480-93-110(2)	Remedial action taken within 90 days (Up to 30 additional days if other circumstances. Must document) .465(d) <b>***Notes - Looked at records for reads on structures on low reads. Rectifiers - some were out, but reset at next inspection. Spec 514 Sheet 4****</b>	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. <b>****Notes - Checked all half cells and multimeters.***</b>	X			
190.	192.491	Unprotected Pipeline Surveys, CP active corrosion areas (1 per 3 cal yr/39 months) .465(e) <b>**Notes – No known active corrosion areas or unprotected pipelines***</b>			X	
191.	192.491	Electrical Isolation (Including Casings) .467 <b>***Notes – Checked back to 2010****</b>	X			
192.	480-93-110(5)	Casings inspected/tested annually not to exceed fifteen months <b>***Notes – Checked back to 2010***</b>	X			
193.	480-93-110(5)(a)	Casings w/no test leads installed prior to 9/05/1992. Demonstrate other acceptable test methods. <b>****Notes - Spec 514 SHEET 10 –They use a rd4000 in these cases to check.****</b>	X			
194.	480-93-110(5)(b)	Possible shorted conditions – Perform confirmatory follow-up inspection within <b>90 days</b> <b>****Notes – Pearl and alley casing south of Ermina has been followed up on and this will be cleared soon****</b>	X			
195.	480-93-110(5)(c)	Casing shorts cleared when practical <b>****Notes - Pearl and alley will be removed****</b>	X			
196.	480-93-110(5)(d)	Shorted conditions leak surveyed within 90 days of discovery. <b>Twice annually/7.5 months</b>	X			
197.	192.491	Interference Currents .473 <b>****Notes – Avista has Spec 5.14 Sheet 3****</b>	X			
198.	192.491	Internal Corrosion; Corrosive Gas Investigation .475(a) <b>***Notes – No corrosive gas***</b>	X			
199.	192.491	Internal Corrosion; Internal Surface Inspection; Pipe Replacement .475(b) <b>**** Notes – Looked @ Station 11 inlet - records were good.****</b>	X			
200.	192.491	Internal Corrosion Control Coupon Monitoring (2 per yr/7½ months) .477 <b>****Notes – None****</b>			X	
201.	192.491	Atmospheric Corrosion Control Monitoring (1 per 3 cal yr/39 months onshore; 1 per yr/15 months offshore) .48 <b>***Notes – Looked at 12602 Florida, 1228 E Sanson, 5408 N Elm, 3945 Highway 292, and looked at the one CGE (Couldn't gain entry) Can't finds – none Needs wrap – none Looked at several meter barricades – no issues****</b>	X			
202.	192.491	Remedial: Replaced or Repaired Pipe; coated and protected; corrosion evaluation and actions .483/.485 <b>****Notes - Spec 3.32 Sheet 2****</b>	X			

**Comments:**

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<b>Comments:</b>
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PIPELINE INSPECTION (Field)			S	U	N/A	N/C
203.	192.161	Supports and anchors <b>****Notes – All I saw were removable****</b>	X			
204.	480-93-080(1)(d)	Welding procedures located on site where welding is performed? <b>****Notes – No welding witnessed during inspection****</b>			X	
205.	480-93-080(1)(b)	Use of testing equipment to record and document essential variables	X			
206.	480-93-080(2)(a)	Plastic procedures located on site where welding is performed? <b>****Notes – No work of this type witnessed during the inspection****</b>			X	
207.	480-93-080(3)	Identification and qualification cards/certificates w/name of welder/joiner, their qualifications, date of qualification and operator whose qualification procedures were followed. <b>****Notes – No work of this type witnessed during the inspection****</b>			X	
208.	480-93-013	Personnel performing “New Construction” covered tasks OQ qualified? <b>****Notes – No work of this type witnessed during the inspection****</b>			X	
209.	480-93-015(1)	Odorization	X			
210.	480-93-018(3)	Updated records, inc maps and drawings made available to appropriate operations personnel?	X			
211.	192.179	Valve Protection from Tampering or Damage	X			
212.	192.455	Pipeline coatings meet requirements of 192.461 ( <i>for buried pipelines installed after 7/31/71</i> )	X			
213.	192.463	Levels of cathodic protection <b>****Notes – Found two low reads in the field – Noted as an item or area of concern .</b>  <b>1. The carrier pipe reading at the Interstate 90 and White Road crossing did not meet the -850mV CSE (on) criteria. The casing reading obtained was -740mV CSE (on) for the carrier pipe and was -650mV CSE (on) on the casing. The operator did note that they were tracing a short in that cathodic protection system that was probably causing interference and indicated they would follow up with a CP survey to find the short at a later date.</b>  <b>2. The service at 3025 South Geiger Blvd read -730mV at the meter and -740mV when read remotely by spooling out approximately 100ft from the meter. It was also noted that this service was in the same cathodic protection system, per the operator’s records, as the previous finding. The operator did note that they would trace the short that was presumed to be causing the low reads and indicated they would follow up with a CP survey to clear the short.****</b>	X			
214.	192.465	Rectifiers	X			
215.	192.467	CP - Electrical Isolation	X			
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			

**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
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 – Viewed pipe storage for plastic pipe and didn't see any pretested steel pipe***</b>	X			
228.	192.195	Overpressure protection designed and installed where required?	X			
229.	192.739/743	Pressure Limiting and Regulating Devices ( <b>Mechanical/Capacities</b> )	X			
230.	192.741	Telemetry, Recording Gauges	X			
231.	192.751	Warning Signs	X			
232.	192.355	Customer meters and regulators. Protection from damage	X			
233.	192.355(c)	Pits and vaults: Able to support vehicular traffic where anticipated.	X			
234.	480-93-140	Service regulators installed, operated and maintained per state/fed regs and manufacturers recommended practices? <b>***Notes – No work of this type witnessed during the inspection****</b>			X	
235.	480-93-178(2)	Plastic Pipe Storage facilities – Maximum Exposure to Ultraviolet Light (2yrs) <b>****Notes - Checked numerous stacks and rolls at Dollar Rd****</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 work of this type witnessed during the inspection****</b>			X	
237.	480-93-178(5)	Minimum Clearances from other utilities. For perpendicular lines a minimum of six inches of separation from the other utilities. Where a minimum six inches of separation is not possible, must take adequate precautions, such as inserting the plastic pipeline in conduit, to minimize any potential hazards <b>***Notes – No work of this type witnessed during the inspection****</b>			X	
238.	480-93-178(6)	Are there Temporary above ground PE pipe installations currently? <b>Yes    No X</b>				
239.	480-93-178(6)(a)	If yes, is facility monitored and protected from potential damage? <b>***Notes – No work of this type witnessed during the inspection****</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 work of this type witnessed during the inspection****</b>			X	
241.	192.745	Valve Maintenance (Transmission) <b>***Notes – Not a transmission audit****</b>			X	
242.	192.747	Valve Maintenance (Distribution) <b>***Notes- Checked several EOVS***</b>	X			

**Facility Sites Visited:**

Facility Type	Facility ID Number	Location
See optional field data form	See optional field data form	See optional field data form

**Comments:**



**Utilities and Transportation Commission**  
**Standard Inspection Report for Intrastate Gas Distribution Systems**  
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**Recent Gas Pipeline Safety Advisory Bulletins: (Last 2 years)**

<b><u>Number</u></b>	<b><u>Date</u></b>	<b><u>Subject</u></b>
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>

# Attachment 1

## Distribution Operator Compressor Station Inspection

Unless otherwise noted, all code references are to 49CFR Part 192. S – Satisfactory U – Unsatisfactory N/A – Not Applicable N/C – Not Checked  
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		<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:**  
 \*\*\*243 – 251 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:**  
 \*\*\*252 -254 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	

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COMPRESSOR STATIONS INSPECTION (Field)			S	U	N/A	N/C
(Note: Facilities may be “Grandfathered”)						
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:				
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	

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COMPRESSOR STATIONS INSPECTION (Field)			S	U	N/A	N/C
(Note: Facilities may be “Grandfathered”)						
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	

**Comments:**  
 255-298 \*\*\*Notes – No compressor stations\*\*\*