

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

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

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

Inspection Report			
<b>Inspection ID/Docket Number</b>	6770		
<b>Inspector Name &amp; Submit Date</b>	Lex Vinsel 9/12/2016		
<b>Chief Eng Name &amp; Review/Date</b>	Joe Subsits, 9/19/16		
Operator Information			
<b>Name of Operator:</b>	Avista Utilities (Avista)	<b>OP ID #:</b>	31232
<b>Name of Unit(s):</b>	Spokane		
<b>Records Location:</b>	Headquarters and Dollar Rd		
<b>Date(s) of Last (unit) Inspection:</b>	July 16-25, 2013	<b>Inspection Date(s):</b>	May 17-19, July 12-15, 18-20, Aug 9, 2016

<p><b>Inspection Summary:</b></p> <p>Field Inspection for unit was done May 17-19, 2016 Records Review for unit was done July 11-15, &amp; 18-20, 2016 DIMP Form 24 completed on August 9, 2016.</p> <p>16-09-07 – Additional forms required with 6770 Avista District Standard Inspection caused some delays in processing. Addition of Form 24 to be filled out in the IA program/application from PHMSA. Addition of form DIMP-GDIM was not anticipated and requires additional time to complete in the IA program/application.</p> <p>Manuals reviewed were the 2016 versions, Avista republishes all manuals every year.</p> <p>Manuals Reviewed Avista 2016 Gas System Management (GSM) Avista 2016 Gas Emergency System Management (GESH). Avista 2016 Distribution Integrity Management Plan Avista 2016 Gas Crew Paperwork Manual</p>
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<b>HQ Address:</b> 1411 East Mission PO Box 3727 Spokane, WA 99220-3727	<b>System/Unit Name &amp; Address:</b> Avista Dollar Road Facility Spokane WA	
<b>Co. Official:</b> Heather Rosentrater <b>Phone No.:</b> Vice President, Director of Natural Gas <b>Fax No.:</b> None listed <b>Emergency Phone No.:</b> 509-495-8499 See Above	<b>Phone No.:</b> <b>Fax No.:</b> <b>Emergency Phone No.:</b>	
<b>Persons Interviewed</b>	<b>Title</b>	<b>Phone No.</b>

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Josh Fort		509-481-0621
Rich Inouye	PC Tech	509-994-9652
Bob Larson	CP Tech	509-981-4748
Steve Winters	CP Tech	509-990-8908
Gary Douglas		509-495-4198
Curt Lystad	CP Tech	509-995-1725
Tim Mair	Gas Operations Manager - Spokane	509-495-8946
Randy Bareither	Pipeline Safety Engineer	509-495-8716
Linda Burger	Pipeline Integrity Program Manager	509-495-4423
Dylan Karaus	Integrity Management Analyst	509-495-4668
Karen Cash	Gas Compliance Manager	509-495-2856
Dawn Donahoo	Public Safety Specialist	509-495-2646
Craig Buchanan	General Foreman (Spokane Gas)	509-994-9406
Sonia Johnson	Sr. Gas Compliance Tech	509-495-4959
Mike Faulkenberry	Director Natural Gas	509-495-8499
Darrel Moss	Claims Manager	509-435-1909
Jodie Lamp	Gas Programs Manager	509-495-2660

<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 checked="" type="checkbox"/>	Team inspection was performed (Within the past five years.) or,	<b>Date:</b>	<b>4/10-11/2012</b>
<input type="checkbox"/>	Other WUTC Inspector reviewed the O & M Manual (Since the last yearly review of the manual by the operator.)	<b>Date:</b>	
<input checked="" type="checkbox"/>	OQ Program Review (PHMSA Form 14)	<b>Date:</b>	<b>Sept 30-Oct 1 2014</b>

<b>GAS SYSTEM OPERATIONS</b>			
<b>Gas Supplier</b>	Williams and Trans-Canada(GTN)		
<b>Services:</b>	<i>Residential 117806    Commercial 11165    Industrial 125    Other 67</i>		
Number of reportable safety related conditions last year	0	Number of deferred leaks in system	<b>891</b>
Number of <u>non-reportable</u> safety related conditions last year	0	Number of third party hits last year	155 - 2015
Miles of transmission pipeline within unit (total miles and miles in class 3 & 4 areas)	<b>25.7, 9.2 Miles Class 3 and None in Class 4.</b>		
		Miles of main within inspection unit(total miles and miles in class 3 & 4 areas)	<b>3000, 1975 miles in class 3 &amp; 60 in class 4</b>
<b>Operating Pressure(s):</b>		<b>MAOP (Within last year)</b>	<b>Actual Operating Pressure (At time of Inspection)</b>
Feeder:	Less than 500 psig	500 MAOP	485
Town:			
Other:			
Does the operator have any transmission pipelines?	<b>Yes, they are not part of this audit.</b>		
Compressor stations? Use Attachment 1.	<b>None in Spokane District</b>		

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<b>Pipe Specifications:</b>			
Year Installed (Range)	<b>1956-Present</b>	Pipe Diameters (Range)	<b>0.5 – 24-inch</b>
Material Type	<b>Steel and PE plastic</b>	Line Pipe Specification Used	<b>API 5L</b>
Mileage	<b>3000</b>	SMYS %	<b>Max of 27.3 % at 500 MAOP</b>

<b>Operator Qualification Field Validation</b>
<b>Important:</b> Per OPS, the OQ Field Inspection Protocol Form (Rev 4, May 2007) shall be used by the inspector as part of this standard inspection. When completed, the inspector will upload this information into the PHMSA OQ Database (OQDB) located at <a href="http://primis.phmsa.dot.gov/oqdb/home.oq">http://primis.phmsa.dot.gov/oqdb/home.oq</a> <b>Date Completed/Uploaded</b> <b>September 8, 2016</b>

<b>Integrity Management Field Validation</b>
<b>Important:</b> Per PHMSA, IMP Field Verification Form ( <b>Rev 6/18/2012</b> ) shall be used by the inspector as part of this standard inspection. When completed, the inspector will upload this information into the PHMSA IM Database (IMDB) located at <a href="http://primis.phmsa.dot.gov/gasimp/home.gim">http://primis.phmsa.dot.gov/gasimp/home.gim</a> <b>Date Completed/Uploaded:</b> <b>Form Only used during transmission audit.</b>

<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>REPORTING RECORDS</b>			<b>S</b>	<b>U</b>	<b>N/A</b>	<b>N/C</b>
<b>1.</b>	<b>49 U.S.C. 60132, Subsection (b)</b>	<b>For Gas Transmission Pipelines and LNG Plants. Submission of Data to the National Pipeline Mapping System Under the Pipeline Safety Improvement Act of 2002</b> Updates to NMPS: Operators are required to make update submissions every 12 months if any system modifications have occurred. <u>If no modifications have occurred since the last complete submission (including operator contact information), send an email to <a href="mailto:opsgis@rspa.dot.gov">opsgis@rspa.dot.gov</a> stating that fact.</u> Include operator contact information with all updates. <b>Submitted 2/26/2016</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>Submitted March 31, 2010.</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. Operator must have a written procedure for calculating an initial estimate of the amount of product released in an accident. <b>One federal reportable during this inspection cycle. 20130050-15833</b>	X			
<b>4.</b>	191.7	Reports (except SRCR and offshore pipeline condition reports) must be submitted electronically to PHMSA at <a href="http://portal.phmsa.dot.gov/pipeline">http://portal.phmsa.dot.gov/pipeline</a> at unless an alternative reporting method is authorized IAW with paragraph (d) of this section. <b>GESH Section EOP Sheet 8.</b>	X			
<b>5.</b>	191.15(a)	30-day follow-up written reports to PHMSA ( <b>Form F7100.2</b> ) <b>Submittal</b> must be sent electronically to <a href="http://pipelineonlinereporting.phmsa.dot.gov">http://pipelineonlinereporting.phmsa.dot.gov</a> . <b>One federal reportable during this inspection cycle. 20130050-15833</b>	X			
<b>6.</b>	191.15(c)	Supplemental report (to 30-day follow-up) <b>No supplemental report during this inspection cycle.</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, 2011 for the year 2010.</i> ) <b>Submitted on 3/3/2016 to WUTC</b>	X			

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8.	191.22	Each operator must obtain an OPID, validate its OPIDs, and notify PHMSA of certain events at <a href="http://portal.phmsa.dot.gov/pipeline">http://portal.phmsa.dot.gov/pipeline</a> .  <b>Avista validated OPID on April 17, 2012.</b>	X			
9.	191.23	Filing the <b>Safety Related Condition Report (SRCR)</b> <b>No SRCR for the district during this timeframe.</b>			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 <b>on or before the fifth day</b> following the date on which the exceedance occurs.  The report should be titled “Gas Transmission MAOP Exceedance” and provide the following information: <ul style="list-style-type: none"> <li>• The name and principal address of the operator date of the report, name, job title, and business telephone number of the person submitting the report.</li> <li>• The name, job title, and business telephone number of the person who determined the condition exists.</li> <li>• The date the condition was discovered and the date the condition was first determined to exist.</li> <li>• The location of the condition, with reference to the town/city/county and state or offshore site, and as appropriate, nearest street address, offshore platform, survey station number, milepost, landmark, and the name of the commodity transported or stored.</li> <li>• The corrective action taken before the report was submitted and the planned follow-up or future corrective action, including the anticipated schedule for starting and concluding such action.</li> </ul> <b>No SRCR for the district during this timeframe.</b>			X	
11.	.605(d)	Instructions to enable operation and maintenance personnel to recognize potential <b>Safety Related Conditions</b> <b>GSM Sec. 4.12 sheet 1, 2.</b>	X			
12.	191.27	Offshore pipeline condition reports – filed within 60 days after the inspections <b>No offshore pipe exists in Spokane district.</b>			X	
13.	192.727(g)	Abandoned facilities offshore, onshore crossing commercially navigable waterways reports. <b>No pipe meeting criteria exists in Spokane district.</b>			X	
14.	480-93-200(1)	Telephonic Reports to <b>UTC Pipeline Safety Incident Notification 1-888-321-9144</b> (Within <b>2 hours</b> ) for events which results in; <b>Reviewed Incident reports for 2015-2013</b>				
15.	480-93-200(1)(a)	A fatality or personal injury requiring hospitalization; <b>None during this time period.</b>			X	
16.	480-93-200(1)(b)	Damage to property of the operator and others of a combined total exceeding fifty thousand dollars; <b>None during this time period.</b>	X			
17.	480-93-200(1)(c)	The evacuation of a building, or high occupancy structures or areas; <b>None during this time period.</b>	X			
18.	480-93-200(1)(d)	The unintentional ignition of gas; <b>None during this time period.</b>	X			
19.	480-93-200(1)(e)	The unscheduled interruption of service furnished by any operator to twenty five or more distribution customers; <b>None during this time period.</b>	X			
20.	480-93-200(1)(f)	A pipeline pressure exceeding the MAOP plus ten percent or the maximum pressure allowed by proximity considerations outlined in WAC 480-93-020; <b>None during this time period.</b>			X	

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21.	480-93-200(1)(g)	Is significant, in the judgment of the operator, even though it does not meet the criteria of (a) through (f) of this subsection; <b>None during this time period.</b>	X			
22.	480-93-200(2)	Telephonic Reports to <b>UTC Pipeline Safety Incident Notification 1-888-321-9146</b> (Within <b>24 hours</b> ) for; <b>Reviewed Incident reports for 2015-2013</b>				
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; <b>None during this time period.</b>			X	
25.	480-93-200(2)(c)	A gas pipeline operating at low pressure dropping below the safe operating conditions of attached appliances and gas equipment; or <b>None during this time period.</b>			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 <b>Reviewed sample of reports for 2013-2015.</b>				
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 ((operators')) gas pipeline company's first responders arrived on-site;	X			
34.	480-93-200(4)(g)	The date and time the gas ((facility)) pipeline was made safe;	X			
35.	480-93-200(4)(h)	The date, time, and type of any temporary or permanent repair that was made;	X			
36.	480-93-200(4)(i)	The cost of the incident to the ((operator)) gas pipeline company;	X			
37.	480-93-200(4)(j)	Line type;	X			
38.	480-93-200(4)(k)	City and county of incident; and	X			
39.	480-93-200(4)(l)	Any other information deemed necessary by the commission.	X			
40.	480-93-200(5)	Supplemental report if required information becomes available after 30 day report submitted <b>No supplemental reports during the time period.</b>			X	
41.	480-93-200(6)	Written report within 5 days of receiving the <b>failure analysis</b> of any incident or hazardous condition due to <b>construction defects or material failure</b> <b>No failure analysis reports during the time period.</b>			X	
42.	480-93-200(7)	<b>Filing Reports of Damage to Gas Pipeline Facilities to the commission. (eff 4/1/2013)</b> (Via the commission's Virtual DIRT system or on-line damage reporting form)				
43.	480-93-200(7)(a)	Does the operator report to the commission the requirements set forth in RCW 19.122.053(3) (a) through (n)	X			
44.	480-93-200(7)(b)	Does the operator report the name, address, and phone number of the person or entity that the company has reason to believe may have caused damage due to excavations conducted <u>without facility locates</u> first being completed? No facility locates are documented.	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>Reviewed electronic records and records appear adequate.</b> <b>Note:</b> Records maintained for two years and made available to the commission upon request. <b>Damage incident records kept for 6 years</b>	X			
46.	480-93-200(8)	Does the operator provide the following information to excavators who damage gas pipeline facilities? <b>Notification letter sample included the required material for Items 46-49</b>				

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REPORTING RECORDS			S	U	N/A	N/C
47.	480-93-200(8)(a)	<ul style="list-style-type: none"> <li>Notification requirements for excavators under RCW 19.122.050(1) <b>See Item 46</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 <b>See Item 46</b></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. <b>See Item 46</b></li> </ul>	X			
50.	480-93-200(9)	<p><b>Reports to the commission only when the operator or its contractor observes or becomes aware of the following activities...</b></p> <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) GSM Spec 4.13 sht 7,8 – <b>None during this time period.</b></li> <li>A person intentionally damages or removes marks indicating the location or presence of gas pipeline facilities. 200(9)(b) - <b>None during this time period.</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 <b>Submitted on 3/3/2016</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. <b>Submitted on 3/3/2016</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 <b>Provided as required. Reviewed sample</b>	X			
55.	480-93-200(12)	Providing by email, reports of daily construction and repair activities no later than 10 AM. <b>Provided as required. Reviewed sample</b>	X			
56.	480-93-200(13)	Submitting copy of DOT Drug and Alcohol Testing MIS Data Collection Form when required. <b>MIS Data Collection Form submitted with annual report – reviewed sample</b>	X			

**Comments:**

**Item 5**  
**30-day follow-up written reports to PHMSA (Form F7100.2) Submittal must be sent electronically**

**Item 23-40 - Reviewed reports for 2013-2015**

CUSTOMER and EXCESS FLOW VALVE INSTALLATION NOTIFICATION			S	U	N/A	N/C
57.	192.16	<p><b>Customer notification</b> - Customers notified, within <b>90 days</b>, of their responsibility for those service lines not maintained by the operator. <b>GSM 4.22 reviewed new customer package</b></p>	X			
58.	192.381	Does the excess flow valve meet the performance standards prescribed under §192.381? <b>Reviewed excess flow valve tech sheet.</b>	X			
59.	192.383	Does the operator have an installation and reporting program for excess flow valves and does the program meet the requirements outlined in §192.383? Are records adequate? <b>GSM spec 3.16 sht 1, 2 – Records appear adequate.</b>	X			

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CONSTRUCTION RECORDS			S	U	N/A	N/C
60.	480-93-013	OQ records for personnel performing New Construction covered tasks <b>GSM Spec 4.31 sht 3 – Reviewed records for service man.</b>	X			
61.	192.225	Test Results to Qualify Welding Procedures <b>GSM Section 3.22 Appendix A Reviewed test results for a sample of welding procedures.</b>	X			
62.	192.227	Welder Qualification <b>GSM Spec 3.22 sht 1</b>	X			
63.	480-93-080(1)(b)	Appendix C Welders re-qualified <b>2/Yr (7.5Months)</b> <b>No appendix C welders</b>			X	
64.	480-93-080(2)	Plastic pipe joiners re-qualified <b>1/Yr (15 Months)</b> <b>GSM Spec 3.23 sht 1 – Avista tracks production joining.</b>	X			
65.	480-93-080(2)(b)	Plastic pipe joiners re-qualified if no production joints made during any 12 month period <b>GSM Spec 3.23 sht 1 – Avista tracks production joining.</b>	X			
66.	480-93-080(2)(c)	Tracking Production Joints or Re-qualify joiners <b>1/Yr (12Months)</b> <b>Spec 3.23 sht 1 – Avista tracks production joining.</b>	X			
67.	480-93-115(2)	Test leads on casings (without vents) installed after 9/05/1992. <b>GSM Spec 3.42 sht 4</b>	X			
68.	480-93-115(3)	Sealing ends of casings or conduits on transmission lines and mains <b>GSM Spec 3.42 sht 5</b>	X			
69.	480-93-115(4)	Sealing ends (nearest building wall) of casings or conduits on services. <b>GSM Spec 3.16 sht 9</b>	X			
70.	192.241(a)	Visual Weld Inspector Training/Experience <b>OQ Task 221.130.005 Reviewed visual weld inspection certification.</b>	X			
71.	192.243(b)(2)	Nondestructive Technician Qualification <b>No transmission welding during this inspection.</b>			X	
72.	192.243(c)	NDT procedures joining <b>No transmission welding during this inspection.</b>			X	
73.	192.243(f)	Total Number of Girth Welds <b>No transmission welding during this inspection.</b>			X	
74.	192.243(f)	Number of Welds Inspected by NDT <b>No transmission welding during this inspection.</b>			X	
75.	192.243(f)	Number of Welds Rejected <b>No transmission welding during this inspection.</b>			X	
76.	192.243(f)	Disposition of each Weld Rejected <b>No transmission welding during this inspection.</b>			X	
77.	.273/.283	Qualified Joining Procedures Including Test Results <b>GSM Spec 3.23 sht 2, Spec 3.24 sht 1, Spec 3.25 sht 1</b>	X			
78.	192.303	Construction Specifications. <b>Spec 3.18 sht 10 – Avista declares that all construction complied with current company standards on Form N-2490 (Pressure Test Information)</b>	X			
79.	192.325 WAC 480-93-178(4)(5)	Underground Clearances <b>Spec 3.18 sht 10 – Avista declares that all construction complied with current company standards on Form N-2490 (Pressure Test Information)</b>	X			
80.	192.327	Amount, location, cover of each size of pipe installed. <b>Depth of cover and location of pipe on as built drawings.</b>	X			

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CONSTRUCTION RECORDS			S	U	N/A	N/C
81.	480-93-160(1)	Report filed <b>45 days</b> prior to construction or replacement of transmission pipelines <b>≥ 100</b> feet in length <b>Reviewed records of transmission pipeline over 100 ft.(1)</b>	X			
82.	480-93-160(2)	Did report describe the proposed route and the specifications for the pipeline and must include, but is not limited to the following items: <b>No transmission pipeline during this inspection.</b>			X	
83.	480-93-160(2)(a)	Description and purpose of the proposed pipeline; <b>No transmission pipeline during this inspection.</b>			X	
84.	480-93-160(2)(b)	Route map showing the type of construction to be used throughout the length of the line, and delineation of class location as defined in 49 CFR Part 192.5, and incorporated boundaries along the route. <b>No transmission pipeline during this inspection.</b>			X	
85.	480-93-160(2)(c)	Location and specification of principal valves, regulators, and other auxiliary equipment to be installed as a part of the pipeline system to be constructed <b>No transmission pipeline during this inspection.</b>			X	
86.	480-93-160(2)(d)	MAOP for the gas pipeline being constructed; <b>No transmission pipeline during this inspection.</b>			X	
87.	480-93-160(2)(e)	Location and construction details of all river crossings or other unusual construction requirements encountered en route. <b>No transmission pipeline during this inspection.</b>			X	
88.	480-93-160(2)(f)	Proposed corrosion control program to be followed inc specs for coating and wrapping, and method to ensure the integrity of the coating using holiday detection equipment; <b>No transmission pipeline during this inspection.</b>			X	
89.	480-93-160(2)(g)	Welding specifications; and <b>No transmission pipeline during this inspection.</b>			X	
90.	480-93-160(2)(h)	Bending procedures to be followed if needed. <b>No transmission pipeline during this inspection.</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>None during this time period.</b>			X	
92.	480-93-170(7)	Pressure tests records at a minimum include required information listed under 480-93-170(a-h) <b>Avista Test Pressure forms include all required information.</b>	X			
93.	480-93-170(9)	Individual pressure test records maintained for single installations where multiple pressure tests were performed? <b>Reviewed individual pressure tests during review of as-builds.</b>	X			
94.	480-93-170(10)	Pressure Testing Equipment checked for accuracy/intervals (Manufacturers Rec or Operators schedule). <b>GSM Spec 5.21 Reviewed equipment maintenance during 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> and greater than 2-inch diameter. <b>GSM Spec 3.12 sht 10, 11 – none during this time period.</b>			X	
96.	480-93-175(4)	Leak survey within <b>30 days</b> of moving or lowering pipelines <b>≤ 60 psig and 2-inches or smaller.</b> <b>Spec 3.12 sht 11 – none during this time period.</b>			X	

**Comments:**

Item 96 – Add underlined text as shown - Leak survey within **30 days** of moving or lowering pipelines **≤ 60 psig and 2-inches or smaller.**



**Utilities and Transportation Commission**  
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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</b> <b>Reviewed high pressure jobs for time period.</b>	X			
98.	192.517(b)	Pressure Testing (operates below 100 psig, service lines, plastic lines) – <b>5 years</b> <b>Reviewed as builds for pressure test notation sample for 2013-2015.</b>	X			
99.	192.605(a)	Procedural Manual Review – Operations and Maintenance ( <b>1 per yr/15 months</b> ) <b>Note:</b> Including review of OQ procedures as <u>suggested</u> by PHMSA - ADB-09-03 dated 2/7/09 <b>Reviewed SPEC 4.31 and examples of OQ task sheets.</b>	X			
100.	192.605(b)(3)	Availability of construction records, maps, operating history to operating personnel. <b>Personnel have access to records and maps through the GO Books that the service people carry.</b>	X			
101.	480-93-018(3)	Records, including maps and drawings updated within <b>6 months</b> of completion of construction activity? <b>Reviewed sample of work orders and were mapped within 6 month period.</b>	X			
102.	192.605(b)(8)	Periodic review of personnel work – effectiveness of normal O&M procedures <b>QA/QC – GESH EOP Sheet 1 Procedures reviewed annually.</b>	X			
103.	192.605(c)(4)	Periodic review of personnel work – effectiveness of abnormal operation procedures <b>Management review of trouble orders reviewed 20 of 449 code 5 and 20 of 2400 records reviewed. Procedure GESH section 1 sht 6.</b>	X			
104.	192.609	Class Location Study ( <b>If applicable</b> ) <b>GSM Spec 4.16 shts 2,3,4</b>	X			
105.	192.611	Confirmation or revision of MAOP <b>GSM Spec 4.16 shts 3,4</b>	X			
106.		<b>Damage Prevention (Operator Internal Performance Measures)</b>				
107.	192.614	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>QA/QC program and ELM contractors interval quality processes. Reviewed quarterly report for ELM.</b>	X			
108.		Does operator including performance measures in facility locating services contracts with corresponding and meaningful incentives and penalties? <b>Included in the general services section of the contract.</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>ELM (contractor) has increasing discipline policy for bad location performance. Three strikes and you are out.</b>	X			
110.		Does the operator periodically review the Operator Qualification plan criteria and methods used to qualify personnel to perform locates? <b>OQ program part of standards Section 4.31 is reviewed during regular annual review.</b>	X			
111.		Review operator locating and excavation <u>procedures</u> for compliance with state law and regulations. <b>SPEC 4.13 – Damage Prevention Program is compliant with State law and regulations.</b>	X			
112.		Are locates are being made within the timeframes required by state law and regulations? Examine record sample. <b>Locates appear to be made within the two business days.</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>Reviewed a sample OQ certification for ELM locators.</b>	X			

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OPERATIONS and MAINTENANCE RECORDS			S	U	N/A	N/C
114.		Follow-up inspection performed on the pipeline where there is reason to believe the pipeline could be damaged .614(c) (6) 1. Is the inspection the done as frequently as necessary during and after the activities to verify the integrity of the pipeline? <b>Spec 4.13 sheet 4</b> 2. In the case of blasting, does the inspection include leakage surveys? <b>Spec 4.13 sheet 5</b>	X			

**Comments:**

115.	Emergency Response Plans		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>Management review of trouble orders reviewed 20 of 449 code 5 and 20 of 2400 records reviewed. Procedure GESH section 1 sht 6.</b>	X			
117.	192.615(b)(1)	Location Specific Emergency Plan. <b>Reviewed site specific Emergency plan and appears to be adequate.</b>	X			
118.	192.615(b)(2)	Emergency Procedure training, verify effectiveness of training. <b>Emergency procedures are included in OQ tasks – Review mock drills sponsored by Avista and manager training outline.</b>	X			
119.	192.615(b)(3)	Employee Emergency activity review, determine if procedures were followed. <b>Management review of trouble orders reviewed 20 of 449 code 5 and 20 of 2400 records reviewed. Procedure GESH section 1 sht 6.</b>	X			
120.	192.615(c)	Liaison Program with Public Officials <b>Reviewed records of 54 out of 86 visits for 2015 of police, fire, and other public officials.</b>	X			
121.	192.616	Public Awareness Program				
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>Reviewed materials for different stakeholder audiences and the delivery timeframes. Also reviewed monthly flier that includes one of the two annual messages for LDC customers.</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. <b>Program initiated within timeframe.</b>				
124.		API RP 1162 Baseline* Recommended Message Deliveries				

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125.		<b>Stakeholder Audience (LDC's)</b>		<b>Baseline Message Frequency (starting from effective date of Plan)</b>					
		Residence Along Local Distribution System		Annual					
		LDC Customers		Twice annually					
		One-Call Centers		As required of One-Call Center					
		Emergency Officials		Annual					
		Public Officials		3 years					
		Excavator and Contractors		Annual					
		<b>Stakeholder Audience (Transmission line operators)</b>		<b>Baseline Message Frequency (starting from effective date of Plan)</b>					
		Residence Along Local Distribution System		2 years					
		One-Call Centers		As required of One-Call Center					
		Emergency Officials		Annual					
		Public Officials		3 years					
		Excavator and Contractors		Annual					
		126.		* Refer to API RP 1162 for additional requirements, including general program recommendations, supplemental requirements, recordkeeping, program evaluation, etc.					
127.	192.616(g)	The program conducted in English and any other languages commonly understood by a significant number of the population in the operator's area. <b>Avista also provides materials in Spanish in areas of high percentage of Spanish speakers.</b>				X			
128.	.616(h)	IAW API RP 1162, the operator's program should be reviewed for effectiveness within four years of the date the operator's program was first completed. <u>For operators in existence on June 20, 2005</u> , who must have completed their written programs no later than June 20, 2006, the first evaluation is due no later than <b>June 20, 2010</b> . .616(h) <b>Initial effectiveness review completed by June 20, 2010. Avista plans to repeat in 2017.</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>Avista is not a master meter operator.</b>						X	
130.	192.617	Review operator records of accidents and failures including laboratory analysis where appropriate to determine cause and prevention of recurrence .617 <b>Note:</b> Including excavation damage and leak response records (PHMSA area of emphasis) (NTSB B.10) <b>GSM Spec 4.31 shts 6, 7. – Accident reports are reviewed by Avista staff.</b>				X			

**Comments:**

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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>GSM Spec 4.15 shts 1-3 – Avista does not use PA-11 pipe.</b>	X											
132.	480-93-015(1)	Odorization of Gas – Concentrations adequate <b>Minimum concentration for Avista is 0.4% gas.</b>	X											
133.	480-93-015(2)	Monthly Odorant Sniff Testing <b>GSM Spec 4.31 shts 6, 7. – Accident reports are reviewed by Avista staff.</b> <b>Reviewed the monthly reads for 2013-2015.</b>	X											
134.	480-93-015(3)	Prompt action taken to investigate and remediate odorant concentrations not meeting the minimum requirements. <b>Retests are done immediately if initial read greater than 0.4%.</b>	X											
135.	480-93-015(4)	Odorant Testing Equipment Calibration/Intervals (Annually or Manufacturers Recommendation) <b>Reviewed calibration for instruments.</b>	X											
136.	480-93-124(3)	Pipeline markers attached to bridges or other spans inspected? <b>1/yr(15 months)</b> <b>Reviewed patrol records for 2013-2015. Avista does bridge patrols quarterly.</b>	X											
137.	480-93-124(4)	Markers reported missing or damaged replaced within <b>45 days?</b> <b>Markers replaced immediately.</b>	X											
138.	480-93-140(2)	Service regulators and associated safety devices tested during initial turn-on <b>GESH Section 6 sht 6.</b>	X											
139.	480-93-155(1)	Up-rating of system MAOP to <b>&gt;60 psig?</b> Procedures and specifications submitted <b>45 days</b> prior? <b>No updates in Spokane system during this time period.</b>			X									
140.	480-93-185(1)	Reported gas leaks promptly investigated? Graded in accordance with 480-93-186? Records retained? <b>Reviewed records appear to be adequate.</b>	X											
141.	480-93-185(3)(a)	Leaks originating from a foreign source. Take appropriate action to protect life and property regarding the pipeline company’s own facilities, and; <b>GSM Spec 5.11 sht 5</b>	X											
142.	480-93-185(3)(b)	Leaks originating from a foreign source reported promptly/notification by mail. Records retained? <b>Reviewed letters as notification of gas originating from foreign source.</b>	X											
143.	480-93-186(3)	Leak evaluations: Are follow-up inspections performed within <b>30 days</b> of a leak repair? <b>Follow-up inspections performed within 30 days.</b>	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>Spec 5.11 sht 16</b>	X											
145.	480-93-187	Gas leak records: at a minimum include required information listed under 480-93-187(1-13) <b>Required information is found on records.</b>	X											
146.	480-93-188(1)	Gas leak surveys <b>GSM 5.11 Sht 3</b>	X											
147.	480-93-188(2)	Gas detection instruments tested for accuracy/intervals (Mfct recommended or monthly not to exceed 45 days) <b>FI instruments are calibrated daily.</b>	X											
148.	480-93-188(3)	Leak survey frequency (Refer to Table Below) <b>SPEC 5.11 sht 6,7</b>	X											
<table border="1" style="margin: auto;"> <tr> <td>Business Districts (<b>implement by 6/02/07</b>)</td> <td><b>1/yr (15 months)</b></td> </tr> <tr> <td>High Occupancy Structures</td> <td><b>1/yr (15 months)</b></td> </tr> <tr> <td>Pipelines Operating <math>\geq</math> 250 psig</td> <td><b>1/yr (15 months)</b></td> </tr> <tr> <td>Other Mains: CI, WI, copper, unprotected steel</td> <td><b>2/yr (7.5 months)</b></td> </tr> </table>							Business Districts ( <b>implement by 6/02/07</b> )	<b>1/yr (15 months)</b>	High Occupancy Structures	<b>1/yr (15 months)</b>	Pipelines Operating $\geq$ 250 psig	<b>1/yr (15 months)</b>	Other Mains: CI, WI, copper, unprotected steel	<b>2/yr (7.5 months)</b>
Business Districts ( <b>implement by 6/02/07</b> )	<b>1/yr (15 months)</b>													
High Occupancy Structures	<b>1/yr (15 months)</b>													
Pipelines Operating $\geq$ 250 psig	<b>1/yr (15 months)</b>													
Other Mains: CI, WI, copper, unprotected steel	<b>2/yr (7.5 months)</b>													
149.	480-93-188(4)(a)	Special leak surveys - Prior to paving or resurfacing, following street alterations or repairs <b>GSM Spec 5.11 sht 7,8.- Reviewed records for 2013-2015.</b>	X											

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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>GSM Spec 5.11 sht 7,8 - Reviewed records for 2013-2015</b>	X															
151.	480-93-188(4)(c)	Special leak surveys - Unstable soil areas where active gas lines could be affected. <b>GSM Spec 5.11 sht 7,8 - Reviewed records for 2013-2015</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>GSM Spec 5.11 sht 7,8.- Reviewed records for 2013-2015</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 to eliminate the possibility of multiple leaks and underground migration into nearby buildings. <b>GSM Spec 5.11 sht 7,8 - Reviewed records for 2013-2015</b>	X															
154.	480-93-188(5)	Gas Survey Records ( <b>Min 5 yrs</b> ) and at a minimum include required information listed under 480-93-188 (5) (a-f). <b>Survey records contain required information.</b>	X															
155.	480-93-188(6)	Leak program - Self Audits. <b>GSM Spec 5.11 sht 16 reviewed self-audits for 2013, 2014, 2015</b>	X															
156.	192.709	Patrolling (Transmission Lines) ( <b>Refer to Table Below</b> ).705 <b>Transmission records not reviewed during this inspection.</b>			X													
<table border="1"> <thead> <tr> <th>Class Location</th> <th>At Highway and Railroad Crossings</th> <th>At All Other Places</th> </tr> </thead> <tbody> <tr> <td>1 and 2</td> <td>2/yr (7½ months)</td> <td>1/yr (15 months)</td> </tr> <tr> <td>3</td> <td>4/yr (4½ months)</td> <td>2/yr (7½ months)</td> </tr> <tr> <td>4</td> <td>4/yr (4½ months)</td> <td>4/yr (4½ months)</td> </tr> </tbody> </table>							Class Location	At Highway and Railroad Crossings	At All Other Places	1 and 2	2/yr (7½ months)	1/yr (15 months)	3	4/yr (4½ months)	2/yr (7½ months)	4	4/yr (4½ months)	4/yr (4½ months)
Class Location	At Highway and Railroad Crossings	At All Other Places																
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157.	192.709	Leak Surveys (Transmission Lines) ( <b>Refer to Table Below</b> ) .706 <b>Transmission records not reviewed during this inspection.</b>			X													
<table border="1"> <thead> <tr> <th>Class Location</th> <th>Required</th> <th>Not Exceed</th> </tr> </thead> <tbody> <tr> <td>1 and 2</td> <td>1/yr</td> <td>15 months</td> </tr> <tr> <td>3</td> <td>2/yr</td> <td>7½ months</td> </tr> <tr> <td>4</td> <td>4/yr</td> <td>4½ months</td> </tr> </tbody> </table>							Class Location	Required	Not Exceed	1 and 2	1/yr	15 months	3	2/yr	7½ months	4	4/yr	4½ months
Class Location	Required	Not Exceed																
1 and 2	1/yr	15 months																
3	2/yr	7½ months																
4	4/yr	4½ months																
158.	192.603(b)	Patrolling Business District ( <b>4 per yr/4½ months</b> ) .721(b)(1) <b>Reviewed bridge patrols for 2013-2015</b>	X															
159.	192.603(b)	Patrolling Outside Business District ( <b>2 per yr/7½ months</b> ) 192.721(b)(2) <b>All inspected 4 times per year. Reviewed bridge patrols for 2013-2015</b>	X															
160.	192.603(b)	Leakage Survey - Outside Business District ( <b>5 years</b> ) 192.723(b)(1) <b>Reviewed leakage survey leaks for 2013(10/467), 2014(30/2499), 2015(24/1903)</b>	X															
161.	192.603(b)	Leakage Survey 192.723(b)(2) <ul style="list-style-type: none"> <li>Outside Business District (<b>5 years</b>)</li> <li>Cathodically unprotected distribution lines (<b>3 years</b>)</li> </ul> <b>Reviewed leakage survey leaks for 2013(10/467), 2014(30/2499), 2015(24/1903)</b>	X															
162.	192.603(b)	Tests for Reinstating Service Lines 192.725 <b>GSM Spec 5.17 – Reviewed as-builts for 2013-2015.</b>	X															
163.	192.603(b)/.727(g)	Abandoned Pipelines; Underwater Facility Reports 192.727 <b>None in district</b>			X													
164.	192.709	Pressure Limiting and Regulating Stations ( <b>1 per yr/15 months</b> ) .739 <b>Reviewed 20 out of 93 random samples and records appear adequate.</b>	X															
165.	192.709	Pressure Limiting and Regulator Stations – Capacity ( <b>1 per yr/15 months</b> ) .743 <b>Reviewed sample of Relief Capacity Review.</b>	X															
166.	192.709	Valve Maintenance – Transmission ( <b>1 per yr/15 months</b> ) .745 <b>No transmission records this inspection.</b>			X													
167.	192.709	Valve Maintenance – Distribution ( <b>1 per yr/15 months</b> ) .747 <b>Reviewed 30 out of 1200 records for valve maintenance for 2013-2015.</b>	X															
168.	480-93-100(3)	Service valve maintenance ( <b>1 per yr/15 months</b> ) <b>Reviewed emergency curb valve records. Valves are inspected annually</b>	X															

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169.	192.709	Vault maintenance ( $\geq 200$ cubic feet)(1 per yr/15 months) .749 <b>No vaults in Washington</b>			X	
170.	192.603(b)	Prevention of Accidental Ignition (hot work permits) .751 <b>GSM Spec 3.17 sht 1 – reviewed Form N-2651.</b>	X			
171.	192.603(b)	Welding – Procedure 192.225(b) <b>Reviewed welding procedures. See Item 61</b>	X			
172.	192.603(b)	Welding – Welder Qualification 192.227/.229 <b>Welders requalify every 6 months. Reviewed Weld Quals for 2013-2015</b>	X			
173.	192.603(b)	NDT – NDT Personnel Qualification .243(b)(2) <b>Transmission not reviewed during this inspection.</b>			X	
174.	192.709	NDT Records (pipeline life) .243(f) <b>Transmission records not reviewed during this inspection.</b>			X	
175.	192.709	Repair: pipe (pipeline life); Other than pipe (5 years) <b>Transmission records not reviewed during this inspection.</b>			X	
176.	192.905(c)	Periodically examining their transmission line routes for the appearance of newly identified area's (HCA's) <b>Transmission records not reviewed during this inspection.</b>			X	

**Comments:**

**Item 154**

**Gas Survey Records (Min 5 yrs)**

**Gas Survey Records (Min 5 yrs) and at a minimum include**

<b>CORROSION CONTROL RECORDS</b>			<b>S</b>	<b>U</b>	<b>N/A</b>	<b>N/C</b>
177.	192.455(a)(1)	Pipeline coatings meet requirements of 192.461 ( <i>for buried pipelines installed after 7/31/71</i> ) <b>GSM spec 3.12 sht 4.5, &amp; spec 2.32 sht 5. Materials meet requirements.</b>	X			
178.	192.455(a)(2)	CP system installed on and operating within 1 yr of completion of pipeline construction ( <i>after 7/31/71</i> ) <b>GSM Section Spec 2.32 Page 5</b>	X			
179.	192.465(a)	Annual Pipe-to-soil Monitoring ( <b>1 per yr/15 months</b> ) for short sections ( <b>10% per year; all in 10 years</b> ) <b>Reviewed number of short sections for 2013-2015 and Avista is inspecting or removing at least 10% per year.</b>	X			
180.	192.491	Test Lead Maintenance .471. <b>Spec 2.32 sht 6</b>	X			
181.	192.491	Maps or Records .491(a) <b>Reviewed maps and they appear adequate.</b>	X			
182.	192.491	Examination of Buried Pipe when exposed .459 <b>Reviewed exposed pipe reports and reviewed follow-up reports of exposed pipe reports. Spec 3.44 sht 1</b>	X			
183.	480-93-110(8)	CP test reading on all exposed facilities where coating has been removed. <b>Reviewed exposed pipe reports and follow up reports – random sample.</b>	X			
184.	192.491	Annual Pipe-to-soil monitoring ( <b>1 per yr/15 months</b> ) .465(a) <b>Reviewed annual reads and drilled down on a few work orders.</b>	X			
185.	192.491	Rectifier Monitoring ( <b>6 per yr/2½ months</b> ) .465(b) <b>Reviewed Rectifier readings for 2013-2015 and picked samples of 4-5 readings to drill down.</b>	X			
186.	192.491	Interference Bond Monitoring – Critical ( <b>6 per yr/2½ months</b> ) .465(c) <b>Reviewed critical bond for 2013-2015, one site.</b>	X			

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<b>CORROSION CONTROL RECORDS</b>			<b>S</b>	<b>U</b>	<b>N/A</b>	<b>N/C</b>
187.	192.491	Interference Bond Monitoring – Non-critical (1 per yr/15 months) .465(c) <b>No non critical bonds in system.</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>Reviewed the CP follow-up CP work orders. 2013-2015.</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>Reviewed calibration records for 2013-2015.</b>	X			
190.	192.491	Unprotected Pipeline Surveys, CP active corrosion areas (1 per 3 cal yr/39 months) .465(e) <b>No unprotected pipe in Spokane district</b>			X	
191.	192.491	Electrical Isolation (Including Casings) .467 <b>Reviewed casing records 2013-2015</b>	X			
192.	480-93-110(5)	Casings inspected/tested annually not to exceed <b>fifteen months</b> <b>Reviewed casing records 2013-2015</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>Spec 5.14 shts 11-12</b>	X			
194.	480-93-110(5)(b)	Possible shorted conditions – Perform confirmatory follow-up inspection within <b>90 days</b> <b>GSM Section 5.14 sht 4-5, no additional shorted casings during this time period.</b>	X			
195.	480-93-110(5)(c)	Casing shorts cleared when practical <b>Shorted casings are being monitored and are cleared when possible.</b>	X			
196.	480-93-110(5)(d)	Shorted conditions leak surveyed within 90 days of discovery. <b>Twice annually/7.5 months</b> <b>GSM Spec 5.11 sht 8</b>	X			
197.	192.491	Interference Currents .473 <b>Operator does not have knowledge of stray currents having any detrimental effects.</b>	X			
198.	192.491	Internal Corrosion; Corrosive Gas Investigation .475(a) <b>Avista has non corrosive gas by contract.</b>			X	
199.	192.491	Internal Corrosion; Internal Surface Inspection; Pipe Replacement .475(b) <b>Reviewed exposed pipe reports for internal inspection of exposed pipe.</b>	X			
200.	192.491	Internal Corrosion Control Coupon Monitoring (2 per yr/7½ months) .477 <b>No coupons - Avista has non corrosive gas by contract.</b>			X	
201.	192.491	Atmospheric Corrosion Control Monitoring (1 per 3 cal yr/39 months onshore; 1 per yr/15 months offshore) .481 <b>Reviewed 16 out of 224 records of atmospheric corrosion that were detected during the Atmospheric corrosion inspections.</b>	X			
202.	192.491	Remedial: Replaced or Repaired Pipe; coated and protected; corrosion evaluation and actions .483/.485 <b>GSM Sec 2.32 sht 5, remediated within 90 days</b>	X			

**Comments:**

**Gas Standards Manual - GSM Section Spec 2.32 Page 5**

<b>PIPELINE INSPECTION (Field)</b>			<b>S</b>	<b>U</b>	<b>N/A</b>	<b>N/C</b>
203.	192.161	Supports and anchors	X			
204.	480-93-080(1)(d)	Welding procedures located on site where welding is performed? <b>Welding not observed during Field Inspection.</b>			X	
205.	480-93-080(1)(b)	Use of testing equipment to record and document essential variables.			X	

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

S – Satisfactory    U – Unsatisfactory    N/A – Not Applicable    N/C – Not Checked  
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PIPELINE INSPECTION (Field)			S	U	N/A	N/C
		<b>Welding not observed during Field Inspection.</b>				
206.	480-93-080(2)(a)	Plastic procedures located on site where <u>welding fusion</u> is performed? <b>No fusion observed during Field portion of 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.	X			
208.	480-93-013	Personnel performing “New Construction” covered tasks OQ qualified? <b>No New Construction observed during Field portion of 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> ) <b>No coating observed during Field portion of inspection.</b>			X	
213.	192.463	Levels of cathodic protection	X			
214.	192.465	Rectifiers	X			
215.	192.467	CP - Electrical Isolation - Casings	X			
216.	192.476	Systems designed to reduce internal corrosion <b>Avista only transports dry natural gas.</b>			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? <b>No casing ends inspected during Field portion.</b>			X	
222.	480-93-115(4)	Service lines installed in casings/conduit. Are casing ends nearest to building walls sealed? <b>No casing installs observed during Field portion of inspection.</b>			X	
223.	192.605(a)	Appropriate parts of manuals kept at locations where O&M activities are conducted <b>Manuals are available to personnel.</b>	X			
224.	192.605	Knowledge of Operating Personnel	X			
225.	480-93-124	Pipeline markers	X			
226.	480-93-124(4)	Markers reported missing or damaged replaced within <b>45 days</b> ? <b>No Markers reported missing or damaged during Field portion of inspection.</b>			X	
227.	192.719	Pre-pressure Tested Pipe ( <b>Markings and Inventory</b> ) <b>NONE</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 <b>No customer (service) meters or regulators inspected during Field portion of inspection.</b>			X	
233.	192.355(c)	Pits and vaults: Able to support vehicular traffic where anticipated. <b>No pits or vaults in Spokane district.</b>			X	
234.	480-93-140	Service regulators installed, operated and maintained per state/fed regs and manufacturers recommended practices? <b>No customer (service) meters or regulators inspected during Field portion of inspection.</b>			X	
235.	480-93-178(2)	Plastic Pipe Storage facilities – Maximum Exposure to Ultraviolet Light ( <del>2yrs</del> )(3years)	X			



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PIPELINE INSPECTION (Field)			S	U	N/A	N/C
236.	480-93-178(4)	Minimum Clearances from other utilities. For parallel lines a minimum of twelve inches. Where a minimum twelve inches of separation is not possible, must take adequate precautions, such as inserting the plastic pipeline in conduit, to minimize any potential hazards. <b>No clearances from other utilities inspected during Field portion.</b>			X	
237.	480-93-178(5)	Minimum Clearances from other utilities. For perpendicular lines a minimum of six inches of separation from the other utilities. Where a minimum six inches of separation is not possible, must take adequate precautions, such as inserting the plastic pipeline in conduit, to minimize any potential hazards. <b>No clearances from other utilities inspected during Field portion.</b>			X	
238.	480-93-178(6)	Are there Temporary above ground PE pipe installations currently? <b>Yes</b> <b>No X</b>				
239.	480-93-178(6)(a)	If yes, is facility monitored and protected from potential damage? <b>No Temporary above ground PE during inspection.</b>			X	
240.	480-93-178(6)(b)	If installation exceeded 30 days, was commission staff notified prior to exceeding the deadline? <b>No Temporary above ground PE during inspection.</b>			X	
241.	192.745	Valve Maintenance (Transmission) <b>Transmission records not reviewed during this inspection.</b>			X	
242.	192.747	Valve Maintenance (Distribution)	X			

**Facility Sites Visited:**

Facility Type	Facility ID Number	Location
See comments below		

**Comments:**

Facility Types and Locations visited during Field portion are recorded on Form R. See form R in Document Library.

Item 235  
Maximum Exposure to Ultraviolet Light (~~2yrs~~)(3years)

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

Number                      Date                      Subject

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

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

## Attachment 1

### Distribution Operator Compressor Station Inspection

Unless otherwise noted, all code references are to 49CFR Part 192. S – Satisfactory U – Unsatisfactory N/A – Not Applicable N/C – Not Checked  
If an item is marked U, N/A, or N/C, an explanation must be included in this report.

		<b>COMPRESSOR STATION PROCEDURES</b>	S	U	N/A	N/C	
243.	.605(b)	<b>No Compressor Stations in Spokane District.</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:**

**No Compressor Stations in Spokane District.**

		<b>COMPRESSOR STATION O&amp;M PERFORMANCE AND RECORDS</b>	S	U	N/A	N/C	
		<b>No Compressor Stations in Spokane District.</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:**

**No Compressor Stations in Spokane District.**

		<b>COMPRESSOR STATIONS INSPECTION (Field)</b>	S	U	N/A	N/C	
		(Note: Facilities may be “Grandfathered”)					
		<b>No Compressor Stations in Spokane District.</b>					
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		

# Attachment 1

## Distribution Operator Compressor Station Inspection

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COMPRESSOR STATIONS INSPECTION (Field)			S	U	N/A	N/C
(Note: Facilities may be “Grandfathered”)						
<b>No Compressor Stations in Spokane District.</b>						
263.	(b)	Do the liquid separators have a manual means of removing liquids?			X	
264.		If slugs of liquid could be carried into the compressors, are there automatic dumps on the separators, Automatic compressor shutdown devices, or high liquid level alarms?			X	
265.	.167 (a)	ESD system must:				
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	

# Attachment 1

## Distribution Operator Compressor Station Inspection

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COMPRESSOR STATIONS INSPECTION (Field) (Note: Facilities may be “Grandfathered”) <b>No Compressor Stations in Spokane District.</b>			S	U	N/A	N/C
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:**  
**No Compressor Stations in Spokane District.**