

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			
Inspection ID/Docket Number	#2573		
Inspector Name & Submit Date	Scott Rukke – October 4, 2012		
Chief Eng Name & Review/Date	Joe Subsits-October 8, 2012		
Operator Information			
Name of Operator:	Avista Utilities	OP ID #:	31232
Name of Unit(s):	Colville District		
Records Location:	Colville, WA		
Date(s) of Last (unit) Inspection:	2010	Inspection Date(s):	September 24 – 27, 2012

<p>Inspection Summary:</p> <p>Reviewed records from 2009 – 2012. No violations noted. Conducted field inspections of the following facilities: Regulator Station #103, Block valve #3547, Chewelah Rectifier, Regulator Station #105, Casings Mp 75 Greenwood Loop Rd good MP 78 @ Kettle falls station 100 good MP 79 @ Hwy 25 good Boise and Kettle park Rd good Hwy 395 north of Kettle falls and RR tracks (overhead) – Kettle Falls good RR Tracks @ Juniper St – Kettle Falls good MP 67 good Station 162, Hwy 395 and Arden hill rd @ RR tracks good Hwy 395 north of #2105. Service? good Pinebrook and 395, Chewelah good North Deer lake Rd and Hwy 395 PE Good Huffman and hwy 231 by a school. No read taken. On way to Colville good Canning Dr NE and 395 (main drag) across rr tracks on parallel rd. -0.586v Good Hwy 395 so of Log Deck Rd under RR tracks -0.326v good 1967 Hwy 395 -0.218v good</p> <p>HOS Surveys Meter 70303 – Church 1221 Hawthorne, Colville - good Meter 36656 – Church 828 S Summit - good Meter 292565 – Church 851 S Miner St - good Meter 213886 – Church 2000 E. Hawthorne - good See diagram – Church, School, Playground, etc. Hawthorne and Cedar to Main St - good See diagram – Playground/school @ Ivy and Summit up to Rae – good</p> <p>Materials All pipe in storage inspected. Nothing over 2 years exposure. Warehouse components and fittings. All well marked and stored. No pre-tested pipe in this district.</p>
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Inspection Summary:

HQ Address: 1411 East Mission, P.O. Box 3727 Spokane, WA 99220-3727	System/Unit Name & Address: Colville, WA
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Co. Official: David Howell Phone No.: 509-495-8719 Fax No.: 509-777-6139 Emergency Phone No.:	Phone No.: Fax No.: Emergency Phone No.:
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Persons Interviewed	Title	Phone No.
Sonia Johnson	Sr Comp Tech	509-495-4959
Pam Bennett	Comp Tech	509-495-2050
Ken Sampson	Local Gas Rep	509-685-6423
Randy Bareither	Pipeline Safety Engineer	509-495-8716
Mike Faulkenberry	Chief Gas Engineer	509-495-8499
Bob Larson	CP Tech	509-981-4748
Shawn Gallagher	Pipeline Safety Administrator	509-994-6123
Gary Douglas	CP Foreman	509-495-4198
David Howell	Gas Compliance & Measurement Manager	509-495-8719
Rich Inouye	Pressure Controlman	509-495-8716

WUTC staff conducted an abbreviated procedures inspection on 192 O&M and WAC items that changed since the last inspection. This checklist focuses on Records and Field items per a routine standard inspection.			
(check one below and enter appropriate date)			
<input checked="" type="checkbox"/>	Team inspection was performed (Within the past five years.) or,	Date:	October 2009
<input type="checkbox"/>	Other WUTC Inspector reviewed the O & M Manual (Since the last yearly review of the manual by the operator.)	Date:	

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GAS SYSTEM OPERATIONS					
Gas Supplier		Williams			
Services: <i>Residential 3344 Commercial 653 Industrial 9 Other</i>					
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 Note: Not all leak paperwork has been entered.			
Number of third party hits last year		4-2011,			
Miles of transmission pipeline within unit (total miles and miles in class 3 & 4 areas)		47 miles, 2 miles class 3			
Miles of main within inspection unit (total miles and miles in class 3 & 4 areas)		177 miles, 106 – class 3			
Operating Pressure(s):		MAOP (Within last year)		Actual Operating Pressure (At time of Inspection)	
Feeder:	<500 psig	500 psig	<500 psig		
Town:	≤60 psig	60 psig	25 – 55 psig		
Other:					
Does the operator have any transmission pipelines?		Yes			
Compressor stations? Use Attachment 1.		N/A			

Pipe Specifications:			
Year Installed (Range)	1966 - present	Pipe Diameters (Range)	½ - 6"
Material Type	Steel and PE	Line Pipe Specification Used	API 5L
Mileage	175 miles main, 82 miles of 6" including 47 miles of transmission	SMYS %	27.3%

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 10/3/2012

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

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

REPORTING RECORDS	S	U	N/A	N/C

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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 opsgis@rspa.dot.gov stating that fact.</u> Include operator contact information with all updates. Transmission not included in this inspection.				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? Transmission not included in this inspection.				X
3.	191.5	Immediate Notice of certain incidents to NRC (800) 424-8802 , or electronically at http://www.nrc.uscg.mil/nrchp.html , 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.	X			
4.	191.7	Reports (except Safety Related Condition Reports and offshore pipeline condition reports) must be submitted electronically to PHMSA at https://opsweb.phmsa.dot.gov at unless an alternative reporting method is authorized IAW with paragraph (d) of this section. None since last inspection.			X	
5.	191.15(a)	30-day follow-up written reports to PHMSA (Form F7100.2) Submittal must be electronically to http://pipelineonlinereporting.phmsa.dot.gov	X			
6.	191.15(c)	Supplemental report (to 30-day follow-up)	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).	X			
8.	191.22	Each operator must obtain an OPID, validate its OPIDs, and notify PHMSA of certain events at https://opsweb.phmsa.dot.gov	X			
9.	191.23	Filing the Safety Related Condition Report (SRCR) None since the last inspection.			X	
10.	191.25	Filing the SRCR within 5 days of determination, but not later than 10 days after discovery None since last inspection.			X	
11.	.605(d)	Instructions to enable operation and maintenance personnel to recognize potential Safety Related Conditions 4.12 O&M	X			
12.	191.27	Offshore pipeline condition reports – filed within 60 days after the inspections None since last inspection.			X	
13.	192.727(g)	Abandoned facilities offshore, onshore crossing commercially navigable waterways reports None since last inspection.			X	
14.	480-93-200(1)	Telephonic Reports to UTC Pipeline Safety Incident Notification 1-888-321-9146 (Within 2 hours) for events which results in;				
15.	480-93-200(1)(a)	A fatality or personal injury requiring hospitalization; None since last inspection.			X	
16.	480-93-200(1)(b)	Damage to property of the operator and others of a combined total exceeding fifty thousand dollars; None since last inspection.			X	
17.	480-93-200(1)(c)	The evacuation of a building, or high occupancy structures or areas; None since last inspection.			X	
18.	480-93-200(1)(d)	The unintentional ignition of gas; None since last inspection.			X	
19.	480-93-200(1)(e)	The unscheduled interruption of service furnished by any operator to twenty five or more distribution customers; None since last inspection.			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; None since last inspection.			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; None since last inspection.			X	
22.	480-93-200(2)	Telephonic Reports to UTC Pipeline Safety Incident Notification 1-888-321-9146 (Within 24 hours) for; None since last inspection.				
23.	480-93-200(2)(a)	The uncontrolled release of gas for more than two hours; None since last inspection.			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; None since last inspection.			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 None since last inspection.			X	
26.	480-93-200(2)(d)	A gas pipeline pressure exceeding the MAOP None since last inspection.			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; None since last inspection.			X	
29.	480-93-200(4)(b)	The extent of injuries and damage; None since last inspection.			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; None since last inspection.			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; None since last inspection.			X	
32.	480-93-200(4)(e)	The date and time the gas pipeline company was first notified of the incident; None since last inspection.			X	
33.	480-93-200(4)(f)	The date and time the ((operators')) gas pipeline company's first responders arrived on-site; None since last inspection.			X	
34.	480-93-200(4)(g)	The date and time the gas ((facility)) pipeline was made safe; None since last inspection.			X	
35.	480-93-200(4)(h)	The date, time, and type of any temporary or permanent repair that was made; None since last inspection.			X	
36.	480-93-200(4)(i)	The cost of the incident to the ((operator)) gas pipeline company; None since last inspection.			X	
37.	480-93-200(4)(j)	Line type; None since last inspection.			X	
38.	480-93-200(4)(k)	City and county of incident; and None since last inspection.			X	
39.	480-93-200(4)(l)	Any other information deemed necessary by the commission. None since last inspection.			X	
40.	480-93-200(5)	Supplemental report if required information becomes available after 30 day report submitted None since last inspection.			X	
41.	480-93-200(6)	Written report within 5 days of receiving the failure analysis of any incident or hazardous condition due to construction defects or material failure 10/26/2011	X			
42.	480-93-200(7)	Annual Reports filed with the commission no later than March 15 for the proceeding calendar year				
43.	480-93-200(7)(a)	A copy of PHMSA F-7100.1-1 and F-7100.2-1 annual report required by U.S. Department of Transportation, PHMSA/Office of Pipeline Safety	X			

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REPORTING RECORDS			S	U	N/A	N/C
44.	480-93-200(7)(b)	Damage Prevention Statistics Report including the following;				
45.	480-93-200(7)(b)(i)	Number of gas-related one-call locate requests completed in the field; 2009 – 662, 2010 – 732, 2011 - 737	X			
46.	480-93-200(7)(b)(ii)	Number of third-party damages incurred; and 2009 – 7, 2010 – 16, 2011 - 4	X			
47.	480-93-200(7)(b)(iii)	Cause of damage, where cause of damage is classified as one of the following: (A) Inaccurate locate; (B) Failure to use reasonable care; (C) Excavated prior to a locate being conducted; or (D) Other.	X			
48.	480-93-200(7)(c)	Reports detailing all construction defects and material failures resulting in leakage. Categorizing the different types of construction defects and material failures. The report must include the following: (i) Types and numbers of construction defects; and (ii) Types and numbers of material failures.	X			
49.	480-93-200(8)	Providing updated emergency contact information to the commission and appropriate officials of all municipalities where gas pipeline companies have facilities PA manual page 17	X			
50.	480-93-200(9)	Providing by email, reports of daily construction and repair activities no later than 10:00 a.m.	X			
51.	480-93-200(10)	Submitting copy of DOT Drug and Alcohol Testing MIS Data Collection Form when required	X			

Comments:

CUSTOMER and EXCESS FLOW VALVE INSTALLATION NOTIFICATION			S	U	N/A	N/C
52.	192.16	Customer notification - Customers notified, within 90 days , of their responsibility for those service lines not maintained by the operator	X			
53.	192.381	Does the excess flow valve meet the performance standards prescribed under §192.381? 3.16 item 54	X			
54.	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? 3.16	X			

Comments:

CONSTRUCTION RECORDS			S	U	N/A	N/C
55.	480-93-013	OQ records for personnel performing New Construction covered tasks	X			
56.	192.225	Test Results to Qualify Welding Procedures Reviewed during procedures review.				X

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CONSTRUCTION RECORDS			S	U	N/A	N/C
57.	192.227	Welder Qualification	X			
58.	480-93-080(1)(b)	Appendix C Welders re-qualified 2/Yr (7.5Months)	X			
59.	480-93-080(2)	Plastic pipe joiners re-qualified 1/Yr (15 Months)	X			
60.	480-93-080(2)(b)	Plastic pipe joiners re-qualified if no production joints made during any 12 month period	X			
61.	480-93-080(2)(c)	Tracking Production Joints or Re-qualify joiners 1/Yr (12Months)	X			
62.	480-93-115(2)	Test leads on casings (without vents) installed after 9/05/1992	X			
63.	480-93-115(3)	Sealing ends of casings or conduits on transmission lines and mains	X			
64.	480-93-115(4)	Sealing ends (nearest building wall) of casings or conduits on services	X			
65.	192.241(a)	Visual Weld Inspector Training/Experience	X			
66.	192.243(b)(2)	Nondestructive Technician Qualification Transmission not included in this inspection.			X	
67.	192.243(c)	NDT procedures Transmission not included in this inspection.			X	
68.	192.243(f)	Total Number of Girth Welds No large jobs in this district since last inspection.			X	
69.	192.243(f)	Number of Welds Inspected by NDT No large jobs in this district since last inspection.			X	
70.	192.243(f)	Number of Welds Rejected No large jobs in this district since last inspection.			X	
71.	192.243(f)	Disposition of each Weld Rejected No large jobs in this district since last inspection.			X	
72.	.273/.283	Qualified Joining Procedures Including Test Results Reviewed during procedures review.				X
73.	192.303	Construction Specifications	X			
74.	192.325 WAC 480-93-178(4)(5)	Underground Clearances	X			
75.	192.327	Amount, location, cover of each size of pipe installed	X			
76.	480-93-160(1)	Report filed 45 days prior to construction or replacement of transmission pipelines ≥ 100 feet in length No transmission installed since last inspection.			X	
77.	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: See above.			X	
78.	480-93-160(2)(a)	See above.			X	
79.	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. See above.			X	
80.	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 See above.			X	
81.	480-93-160(2)(d)	MAOP for the gas pipeline being constructed; See above.			X	
82.	480-93-160(2)(e)	Location and construction details of all river crossings or other unusual construction requirements encountered en route. See above.			X	
83.	480-93-160(2)(f)	Proposed corrosion control program to be followed inc specs for coating and wrapping, and method to ensure the integrity of the coating using holiday detection equipment;			X	
84.	480-93-160(2)(g)	Welding specifications; and See above.			X	

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85.	480-93-160(2)(h)	Bending procedures to be followed if needed. See above.			X	
86.	480-93-170(1)	Commission notified 2 days prior to pressure testing pipelines with an MAOP producing a hoop stress \geq 20% SMYS? See above.			X	
87.	480-93-170(7)	Pressure tests records at a minimum include required information listed under 480-93-170(a-h)	X			
88.	480-93-170(9)	Individual pressure test records maintained for single installations where multiple pressure tests were performed?	X			
89.	480-93-170(10)	Pressure Testing Equipment checked for accuracy/intervals (Manufacturers Rec or Operators schedule) 5.21	X			
90.	480-93-175(2)	Study prepared and approved prior to moving and lowering of metallic pipelines $>$ 60 psig None since last inspection.			X	
91.	480-93-175(4)	Leak survey within 30 days of moving or lowering pipelines \leq 60 psig see above			X	

Comments:

OPERATIONS and MAINTENANCE RECORDS			S	U	N/A	N/C
92.	192.517(a)	Pressure Testing (operates at or above 100 psig) – useful life of pipeline No installations above 100 psig since last inspection.			X	
93.	192.517(b)	Pressure Testing (operates below 100 psig, service lines, plastic lines) – 5 years Reviewed leak record pressure tests, and a sampling of main and service installations.	X			
94.	192.605(a)	Procedural Manual Review – Operations and Maintenance (1 per yr/15 months) Note: Including review of OQ procedures as <u>suggested</u> by PHMSA - ADB-09-03 dated 2/7/09	X			
95.	192.605(b)(3)	Availability of construction records, maps, operating history to operating personnel	X			
96.	480-93-018(3)	Records, including maps and drawings updated within 6 months of completion of construction activity?	X			
97.	192.605(b)(8)	Periodic review of personnel work – effectiveness of normal O&M procedures	X			
98.	192.605(c)(4)	Periodic review of personnel work – effectiveness of abnormal operation procedures	X			
99.	192.609	Class Location Study (If applicable) Nothing above 40% in this district.			X	
100.	192.611	Confirmation or revision of MAOP Nothing above 40% in this district.			X	
101.		Damage Prevention (Operator Internal Performance Measures)				
102.	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) New QA procedure being implemented.	X			
103.		Does operator including performance measures in facility locating services contracts with corresponding and meaningful incentives and penalties?	X			

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OPERATIONS and MAINTENANCE RECORDS			S	U	N/A	N/C
104.		Do locate contractors address performance problems for persons performing locating services through mechanisms such as re-training, process change, or changes in staffing levels?	X			
105.		Does the operator periodically review the Operator Qualification plan criteria and methods used to qualify personnel to perform locates?	X			
106.		Review operator locating and excavation <u>procedures</u> for compliance with state law and regulations.	X			
107.		Are locates are being made within the timeframes required by state law and regulations? Examine record sample.	X			
108.		Are locating and excavating personnel properly <u>qualified</u> in accordance with the operator's Operator Qualification plan and with federal and state requirements?	X			
109.		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?	X			
110.	480-93-250 RCW 19.122.053	Has the operator subscribed to the UTC Virtual Damage Information Reporting Tool (DIRT)? Mandatory reporting required effective 1/1/2013. Operator may register at https://identity.damagereporting.org/cgareg/control/login.do	Y/N Yes			

Comments:

111.		Emergency Response Plans	S	U	N/A	N/C
112.	192.603(b)	Prompt and effective response to each type of emergency .615(a)(3) Note: Review operator records of previous accidents and failures including third-party damage and leak response	X			
113.	192.615(b)(1)	Location Specific Emergency Plan New district specific plan dated 2010. Very good.	X			
114.	192.615(b)(2)	Emergency Procedure training, verify effectiveness of training Records in Spokane <i>Annual EOP Gas Service persons and other gas employees shall document a review of the Emergency Training Operating Plan on an annual basis so as to familiarize themselves with procedures to be followed in the event of an emergency. This review is accomplished through annual refresher training, mock emergency reviews, and other items as applicable. EOP Sheet 3</i>	X			
115.	192.615(b)(3)	Employee Emergency activity review, determine if procedures were followed.	X			
116.	192.615(c)	Liaison Program with Public Officials	X			
117.	192.616	Public Awareness Program				

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118.	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: PA audit was conducted March 2012				X																										
119.		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.																														
120.		API RP 1162 Baseline* Recommended Message Deliveries																														
121.		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Stakeholder Audience (LDC’s)</th> <th style="text-align: center;">Baseline Message Frequency (starting from effective date of Plan)</th> </tr> </thead> <tbody> <tr> <td>Residence Along Local Distribution System</td> <td>Annual</td> </tr> <tr> <td>LDC Customers</td> <td>Twice annually</td> </tr> <tr> <td>One-Call Centers</td> <td>As required of One-Call Center</td> </tr> <tr> <td>Emergency Officials</td> <td>Annual</td> </tr> <tr> <td>Public Officials</td> <td>3 years</td> </tr> <tr> <td>Excavator and Contractors</td> <td>Annual</td> </tr> <tr> <th style="text-align: center;">Stakeholder Audience (Transmission line operators)</th> <th style="text-align: center;">Baseline Message Frequency (starting from effective date of Plan)</th> </tr> <tr> <td>Residence Along Local Distribution System</td> <td>2 years</td> </tr> <tr> <td>One-Call Centers</td> <td>As required of One-Call Center</td> </tr> <tr> <td>Emergency Officials</td> <td>Annual</td> </tr> <tr> <td>Public Officials</td> <td>3 years</td> </tr> <tr> <td>Excavator and Contractors</td> <td>Annual</td> </tr> </tbody> </table>	Stakeholder Audience (LDC’s)	Baseline Message Frequency (starting from effective date of Plan)	Residence Along Local Distribution System	Annual	LDC Customers	Twice annually	One-Call Centers	As required of One-Call Center	Emergency Officials	Annual	Public Officials	3 years	Excavator and Contractors	Annual	Stakeholder Audience (Transmission line operators)	Baseline Message Frequency (starting from effective date of Plan)	Residence Along Local Distribution System	2 years	One-Call Centers	As required of One-Call Center	Emergency Officials	Annual	Public Officials	3 years	Excavator and Contractors	Annual				
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122.		* Refer to API RP 1162 for additional requirements, including general program recommendations, supplemental requirements, recordkeeping, program evaluation, etc.																														
123.	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. PA audit was conducted March 2012				X																										
124.	.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 June 20, 2010 . .616(h) PA audit was conducted March 2012				X																										
125.	192.616(j)	Operators of a Master Meter or petroleum gas system – public awareness messages 2 times annually: <ul style="list-style-type: none"> (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. PA audit was conducted March 2012				X																										
126.	192.617	Review operator records of accidents and failures including laboratory analysis where appropriate to determine cause and prevention of recurrence .617 Note: Including excavation damage and leak response records (PHMSA area of emphasis) (NTSB B.10) PA audit was conducted March 2012				X																										

Comments:

Utilities and Transportation Commission
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127.	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) PA audit was conducted March 2012	X											
128.	480-93-015(1)	Odorization of Gas – Concentrations adequate .40 minimum threshold. Suggested Avista re-write this procedure to say this is a best practice and will have follow up if below.	X											
129.	480-93-015(2)	Monthly Odorant Sniff Testing	X											
130.	480-93-015(3)	Prompt action taken to investigate and remediate odorant concentrations not meeting the minimum requirements	X											
131.	480-93-015(4)	Odorant Testing Equipment Calibration/Intervals (Annually or Manufacturers Recommendation)	X											
132.	480-93-124(3)	Pipeline markers attached to bridges or other spans inspected? 1/yr(15 months)	X											
133.	480-93-124(4)	Markers reported missing or damaged replaced within 45 days?	X											
134.	480-93-140(2)	Service regulators and associated safety devices tested during initial turn-on	X											
135.	480-93-155(1)	Up-rating of system MAOP to >60 psig? Procedures and specifications submitted 45 days prior? No uprates since last inspection.			X									
136.	480-93-185(1)	Reported gas leaks promptly investigated? Graded in accordance with 480-93-186? Records retained?	X											
137.	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; none in system.			X									
138.	480-93-185(3)(b)	Leaks originating from a foreign source reported promptly/notification by mail. Records retained? none in system.			X									
139.	480-93-186(3)	Leak evaluations: Are follow-up inspections performed within 30 days of a leak repair?	X											
140.	480-93-186(4)	Leak evaluations: Grade 1 and 2 leaks (if any), downgraded once to a grade 3 without physical repair?	X											
141.	480-93-187	Gas leak records: at a minimum include required information listed under 480-93-187(1-13)	X											
142.	480-93-188(1)	Gas leak surveys	X											
143.	480-93-188(2)	Gas detection instruments tested for accuracy/intervals (Mfct recommended or monthly not to exceed 45 days)	X											
144.	480-93-188(3)	Leak survey frequency (Refer to Table Below)	X											
<table border="1" style="margin: auto; border-collapse: collapse;"> <tr> <td style="padding: 5px;">Business Districts (implement by 6/02/07)</td> <td style="padding: 5px; text-align: center;">1/yr (15 months)</td> </tr> <tr> <td style="padding: 5px;">High Occupancy Structures</td> <td style="padding: 5px; text-align: center;">1/yr (15 months)</td> </tr> <tr> <td style="padding: 5px;">Pipelines Operating \geq 250 psig</td> <td style="padding: 5px; text-align: center;">1/yr (15 months)</td> </tr> <tr> <td style="padding: 5px;">Other Mains: CI, WI, copper, unprotected steel</td> <td style="padding: 5px; text-align: center;">2/yr (7.5 months)</td> </tr> </table>							Business Districts (implement by 6/02/07)	1/yr (15 months)	High Occupancy Structures	1/yr (15 months)	Pipelines Operating \geq 250 psig	1/yr (15 months)	Other Mains: CI, WI, copper, unprotected steel	2/yr (7.5 months)
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145.	480-93-188(4)(a)	Special leak surveys - Prior to paving or resurfacing, following street alterations or repairs	X											
146.	480-93-188(4)(b)	Special leak surveys - areas where substructure construction occurs adjacent to underground gas facilities, and damage could have occurred	X											
147.	480-93-188(4)(c)	Special leak surveys - Unstable soil areas where active gas lines could be affected None necessary.			X									

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148.	480-93-188(4)(d)	Special leak surveys - areas and at times of unusual activity, such as earthquake, floods, and explosions None necessary.			X													
149.	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	X															
150.	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															
151.	480-93-188(6)	Leak program - Self Audits	X															
152.	192.709	Patrolling (Transmission Lines) (Refer to Table Below) .705 Transmission not included in this inspection.				X												
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153.	192.709	Leak Surveys (Transmission Lines) (Refer to Table Below) .706 Transmission not included in this inspection.				X												
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3	2/yr	7½ months																
4	4/yr	4½ months																
154.	192.603(b)	Patrolling Business District (4 per yr/4½ months) .721(b)(1) No patrol areas in business district.			X													
155.	192.603(b)	Patrolling Outside Business District (2 per yr/7½ months) 192.721(b)(2) Done quarterly.	X															
156.	192.603(b)	Leakage Survey - Outside Business District (5 years) 192.723(b)(1)	X															
157.	192.603(b)	Leakage Survey 192.723(b)(2) <ul style="list-style-type: none"> • Outside Business District (5 years) • Cathodically unprotected distribution lines (3 years) 	X															
158.	192.603(b)	Tests for Reinstating Service Lines 192.725	X															
159.	192.603(b)/.727(g)	Abandoned Pipelines; Underwater Facility Reports 192.727 None since last inspection.			X													
160.	192.709	Pressure Limiting and Regulating Stations (1 per yr/15 months) .739	X															
161.	192.709	Pressure Limiting and Regulator Stations – Capacity (1 per yr/15 months) .743	X															
162.	192.709	Valve Maintenance – Transmission (1 per yr/15 months) .745 Transmission not included in this inspection.			X													
163.	192.709	Valve Maintenance – Distribution (1 per yr/15 months) .747	X															
164.	480-93-100(3)	Service valve maintenance (1 per yr/15 months)	X															
165.	192.709	Vault maintenance (≥200 cubic feet)(1 per yr/15 months) .749 No vaults in this district.			X													
166.	192.603(b)	Prevention of Accidental Ignition (hot work permits) .751	X															
167.	192.603(b)	Welding – Procedure 192.225(b) Reviewed during O&M inspection.				X												
168.	192.603(b)	Welding – Welder Qualification 192.227/.229	X															
169.	192.603(b)	NDT – NDT Personnel Qualification .243(b)(2) No jobs since last inspection.			X													
170.	192.709	NDT Records (pipeline life) .243(f) No jobs since last inspection.			X													
171.	192.709	Repair: pipe (pipeline life); Other than pipe (5 years) None since last inspection.			X													

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172.	192.905(c)	Periodically examining their transmission line routes for the appearance of newly identified area's (HCA's) Reviewed during O&M inspection.				X
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Comments:

CORROSION CONTROL RECORDS			S	U	N/A	N/C
173.	192.455(a)(1)	Pipeline coatings meet requirements of 192.461 <i>(for buried pipelines installed after 7/31/71) 2.32 ALSO 3.12 SHEETS 3-7</i>	X			
174.	192.455(a)(2)	CP system installed on and operating within 1 yr of completion of pipeline construction <i>(after 7/31/71) 2.32 sheet 5</i>	X			
175.	192.465(a)	Annual Pipe-to-soil Monitoring (1 per yr/15 months) for short sections (10% per year; all in 10 years) 2009 through 2011	X			
176.	192.491	Test Lead Maintenance .471	X			
177.	192.491	Maps or Records .491(a)	X			
178.	192.491	Examination of Buried Pipe when exposed .459	X			
179.	480-93-110(8)	CP test reading on all exposed facilities where coating has been removed	X			
180.	192.491	Annual Pipe-to-soil monitoring (1 per yr/15 months) .465(a)	X			
181.	192.491	Rectifier Monitoring (6 per yr/2½ months) .465(b)	X			
182.	192.491	Interference Bond Monitoring – Critical (6 per yr/2½ months) .465(c) None in this district.			X	
183.	192.491	Interference Bond Monitoring – Non-critical (1 per yr/15 months) .465(c) None in this district.			X	
184.	480-93-110(2)	Remedial action taken within 90 days (Up to 30 additional days if other circumstances. Must document) .465(d)	X			
185.	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. Section 5.14 sheet 9	X			
186.	192.491	Unprotected Pipeline Surveys, CP active corrosion areas (1 per 3 cal yr/39 months) .465(e) No unprotected pipelines.			X	
187.	192.491	Electrical Isolation (Including Casings) .467	X			
188.	480-93-110(5)	Casings inspected/tested annually not to exceed fifteen months	X			
189.	480-93-110(5)(a)	Casings w/no test leads installed prior to 9/05/1992. Demonstrate other acceptable test methods None in this district.			X	
190.	480-93-110(5)(b)	Possible shorted conditions – Perform confirmatory follow-up inspection within 90 days None in this district.			X	
191.	480-93-110(5)(c)	Casing shorts cleared when practical None in this district.			X	
192.	480-93-110(5)(d)	Shorted conditions leak surveyed within 90 days of discovery. Twice annually/7.5 months None in this district.			X	
193.	192.491	Interference Currents .473 None in this district.			X	

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CORROSION CONTROL RECORDS			S	U	N/A	N/C
194.	192.491	Internal Corrosion; Corrosive Gas Investigation .475(a) Not transported by contract with Williams. Williams tests with chromatograph.	X			
195.	192.491	Internal Corrosion; Internal Surface Inspection; Pipe Replacement .475(b) No coupons removed since last inspection.			X	
196.	192.491	Internal Corrosion Control Coupon Monitoring (2 per yr/7½ months) .477 None used.			X	
197.	192.491	Atmospheric Corrosion Control Monitoring (1 per 3 cal yr/39 months onshore; 1 per yr/15 months offshore) .481 Records are all electronic. Very good records with follow up documentation on all issues.	X			
198.	192.491	Remedial: Replaced or Repaired Pipe; coated and protected; corrosion evaluation and actions .483/485 3.32	X			

Comments:

PIPELINE INSPECTION (Field)			S	U	N/A	N/C
199.	192.161	Supports and anchors	X			
200.	480-93-080(1)(d)	Welding procedures located on site where welding is performed?	X			
201.	480-93-080(1)(b)	Use of testing equipment to record and document essential variables	X			
202.	480-93-080(2)(a)	Plastic procedures located on site where welding is performed?	X			
203.	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			
204.	480-93-013	Personnel performing “New Construction” covered tasks OQ qualified?	X			
205.	480-93-015(1)	Odorization	X			
206.	480-93-018(3)	Updated records, inc maps and drawings made available to appropriate operations personnel?	X			
207.	192.179	Valve Protection from Tampering or Damage	X			
208.	192.455	Pipeline coatings meet requirements of 192.461 (<i>for buried pipelines installed after 7/31/71</i>)	X			
209.	192.463	Levels of cathodic protection	X			
210.	192.465	Rectifiers	X			
211.	192.467	CP - Electrical Isolation	X			
212.	192.476	Systems designed to reduce internal corrosion No large jobs since last inspection.				X
213.	192.479	Pipeline Components exposed to the atmosphere	X			
214.	192.481	Atmospheric Corrosion: monitoring	X			
215.	192.491	Test Stations – Sufficient Number .469	X			
216.	480-93-115(2)	Casings – Test Leads (casings w/o vents installed after 9/05/1992)	X			
217.	480-93-115(2)	Mains or transmission lines installed in casings/conduit. Are casing ends sealed?	X			
218.	480-93-115(4)	Service lines installed in casings/conduit. Are casing ends nearest to building walls sealed?	X			
219.	192.605(a)	Appropriate parts of manuals kept at locations where O&M activities are conducted	X			
220.	192.605	Knowledge of Operating Personnel	X			
221.	480-93-124	Pipeline markers	X			

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PIPELINE INSPECTION (Field)			S	U	N/A	N/C
222.	480-93-124(4)	Markers reported missing or damaged replaced within 45 days ?	X			
223.	192.719	Pre-pressure Tested Pipe (Markings and Inventory) None in this district. Kept in Spokane.			X	
224.	192.195	Overpressure protection designed and installed where required?	X			
225.	192.739/743	Pressure Limiting and Regulating Devices (Mechanical/Capacities)	X			
226.	192.741	Telemetry, Recording Gauges				X
227.	192.751	Warning Signs	X			
228.	192.355	Customer meters and regulators. Protection from damage	X			
229.	192.355(c)	Pits and vaults: Able to support vehicular traffic where anticipated. None in this district.			X	
230.	480-93-140	Service regulators installed, operated and maintained per state/fed regs and manufacturers recommended practices?	X			
231.	480-93-178(2)	Plastic Pipe Storage facilities – Maximum Exposure to Ultraviolet Light (2yrs)	X			
232.	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.	X			
233.	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	X			
234.	480-93-178(6)	Are there Temporary above ground PE pipe installations currently? Yes No X				
235.	480-93-178(6)(a)	If yes, is facility monitored and protected from potential damage?			X	
236.	480-93-178(6)(b)	If installation exceeded 30 days, was commission staff notified prior to exceeding the deadline?			X	
237.	192.745	Valve Maintenance (Transmission) Transmission not part of this inspection.				X
238.	192.747	Valve Maintenance (Distribution)	X			

Facility Sites Visited:

Facility Type	Facility ID Number	Location

Comments:

See inspection notes at start of form.

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

Number Date Subject

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ADB-10-07	August 31, 2010	Liquefied Natural Gas Facilities: Obtaining Approval of Alternative Vapor-Gas Dispersion Models
ADB-10-08	November 3, 2010	Pipeline Safety: Emergency Preparedness Communications
ADB-11-01	January 4, 2011	Pipeline Safety: Establishing Maximum Allowable Operating Pressure or Maximum Operating Pressure Using Record Evidence, and Integrity Management Risk Identification, Assessment, Prevention, and Mitigation
ADB-11-02	February 9, 2011	Dangers of Abnormal Snow and Ice Build-up on Gas Distribution Systems

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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239. .605(b)		COMPRESSOR STATION PROCEDURES	S	U	N/A	N/C
240.		.605(b)(6) Maintenance procedures, including provisions for isolating units or sections of pipe and for purging before returning to service			X	
241.		.605(b)(7) Starting, operating, and shutdown procedures for gas compressor units			X	
242.		.731 Inspection and testing procedures for remote control shutdowns and pressure relieving devices (1 per yr/15 months), prompt repair or replacement			X	
243.		.735 (a) Storage of excess flammable or combustible materials at a safe distance from the compressor buildings			X	
244.		(b) Tank must be protected according to NFPA #30			X	
245.		.736 Compressor buildings in a compressor station must have fixed gas detection and alarm systems (must be performance tested), unless:			X	
246.		• 50% of the upright side areas are permanently open, or			X	
247.		• It is an unattended field compressor station of 1000 hp or less			X	

Comments:
No Compression in this district.

COMPRESSOR STATION O&M PERFORMANCE AND RECORDS			S	U	N/A	N/C
248.	.709	.731(a) Compressor Station Relief Devices (1 per yr/15 months)			X	
249.		.731(c) Compressor Station Emergency Shutdown (1 per yr/15 months)			X	
250.		.736(c) Compressor Stations – Detection and Alarms (Performance Test)			X	

Comments:
No Compression in this district.

COMPRESSOR STATIONS INSPECTION (Field)			S	U	N/A	N/C
(Note: Facilities may be “Grandfathered”)						
251.	.163	(c) Main operating floor must have (at least) two (2) separate and unobstructed exits			X	
252.		Door latch must open from inside without a key			X	
253.		Doors must swing outward			X	
254.		(d) Each fence around a compressor station must have (at least) 2 gates or other facilities for emergency exit			X	
255.		Each gate located within 200 ft of any compressor plant building must open outward			X	
256.		When occupied, the door must be opened from the inside without a key			X	
257.		(e) Does the equipment and wiring within compressor stations conform to the National Electric Code, ANSI/NFPA 70?			X	
258.	.165	(a) If applicable, are there liquid separator(s) on the intake to the compressors?			X	
259.		(b) Do the liquid separators have a manual means of removing liquids?			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”)						
260.		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	
261.	.167	(a) ESD system must:				
262.		- Discharge blowdown gas to a safe location			X	
263.		- Block and blow down the gas in the station			X	
264.		- Shut down gas compressing equipment, gas fires, electrical facilities in compressor building and near gas headers			X	
265.		- Maintain necessary electrical circuits for emergency lighting and circuits needed to protect equipment from damage			X	
266.		ESD system must be operable from at least two locations, each of which is:				
267.	.167	- Outside the gas area of the station			X	
268.		- Not more than 500 feet from the limits of the station			X	
269.		- ESD switches near emergency exits?			X	
270.		(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	
271.		(c) Are ESDs on platforms designed to actuate automatically by...				
272.		- For unattended compressor stations, when:				
273.		▪ The gas pressure equals MAOP plus 15%?			X	
274.		▪ An uncontrolled fire occurs on the platform?			X	
275.		- For compressor station in a building, when				
276.		▪ An uncontrolled fire occurs in the building?			X	
277.		▪ Gas in air reaches 50% or more of LEL in a building with a source of ignition (facility conforming to NEC Class 1, Group D is not a source of ignition)?			X	
278.	.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	
279.		(b) Do the compressor station prime movers (other than electrical movers) have over-speed shutdown?			X	
280.		(c) Do the compressor units alarm or shutdown in the event of inadequate cooling or lubrication of the unit(s)?			X	
281.		(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	
282.		(e) Are the mufflers equipped with vents to vent any trapped gas?			X	
283.	.173	Is each compressor station building adequately ventilated?			X	
284.	.457	Is all buried piping cathodically protected?			X	
285.	.481	Atmospheric corrosion of aboveground facilities			X	
286.	.603	Does the operator have procedures for the start-up and shut-down of the station and/or compressor units?			X	
287.		Are facility maps current/up-to-date?			X	
288.	.615	Emergency Plan for the station on site?			X	
289.	.619	Review pressure recording charts and/or SCADA			X	
290.	.707	Markers			X	
291.	.731	Overpressure protection – relief’s or shutdowns			X	
292.	.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

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.

COMPRESSOR STATIONS INSPECTION (Field)			S	U	N/A	N/C
(Note: Facilities may be “Grandfathered”)						
293.		Is aboveground oil or gasoline storage tanks protected in accordance with NFPA standard No. 30?			X	
294.	.736	Gas detection – location			X	

Comments:
No Compression in this district.