

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

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

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

Inspection Report			
Inspection ID/Docket Number	6193		
Inspector Name & Submit Date	Lex Vinsel - 12/31/2015		
Chief Eng Name & Review/Date	Joe Subsits-12/31/2015		
Operator Information			
Name of Operator:	Avista Utilites Corporation	OP ID #:	31232
Name of Unit(s):	Colville		
Records Location:	Spokane		
Date(s) of Last (unit) Inspection:	September 24-27, 2012	Inspection Date(s):	August 31, 2015 – November 20, 2015

Inspection Summary:
Colville district runs from Kettle Falls to Addy along along US 395. The Colville district is fed by the Kettle Falls Transmission Line but contains no transmission assets.
Note on duration of inspection. The inspection was done in parts with the Leak surveys and Atmospheric corrosion records done outside the normal inspections due to the large number of maps that were reviewed.

HQ Address: 1411 East Mission PO Box 3727 Spokane WA 99220-3727	System/Unit Name & Address: Colville WA	
Co. Official: Heather Rosentrater Phone No.: 509-495-4430 Fax No.: Emergency Phone No.:	Phone No.: Fax No.: Emergency Phone No.:	
Persons Interviewed	Title	Phone No.
Randy Bareither	Pipe Safety Engineer	509-434-6783
Ken Sampson	Sr. Gas – Local Representitive	5096755282
Ken Gibson	Pressure Control	5099949621
Kermit Olson	Coville District Manager	5096755276
Bob Larson	CP Tech	5099814748

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 type="checkbox"/>	Team inspection was performed (Within the past five years.) or,	Date:	
<input checked="" type="checkbox"/>	Other WUTC Inspector reviewed the O & M Manual (Since the last yearly review of the manual by the operator.) O&M Procedures Inspection	Date:	04/11-12/2015

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<input type="checkbox"/>	OQ Program Review (PHMSA Form 14)	Date:	
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GAS SYSTEM OPERATIONS			
Gas Supplier	Williams		
Services: <i>Residential 5121 Commercial 750 Industrial 10 Other 6</i>			
Number of reportable safety related conditions last year	0	Number of deferred leaks in system	0
Number of <u>non-reportable</u> safety related conditions last year	0	Number of third party hits last year	4 in 2014 for Colville
Miles of transmission pipeline within unit (total miles and miles in class 3 & 4 areas)		Miles of main within inspection unit (total miles and miles in class 3 & 4 areas)	84.9 miles of main, 52 miles in Class 3. None in Class 4
Operating Pressure(s):		MAOP (Within last year)	Actual Operating Pressure (At time of Inspection)
Feeder:			
Town:			
Other:			
Does the operator have any transmission pipelines?			
Compressor stations? Use Attachment 1.			

Pipe Specifications:			
Year Installed (Range)	1956-Present	Pipe Diameters (Range)	½ to 12 inch
Material Type	Steel API and PE	Line Pipe Specification Used	API 5L
Mileage	84.9 Miles in district, Class 3 52, Class 4 None	SMYS %	17.1 % Max on inlet to regulator station 100, Kettle Falls.

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 12/30/2015

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: <i>N/A- Integrity Program not required. Avista replaces pipe rather than have conditions that require Integrity Program.</i>

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. Form 13 sent to Stanley K on 8/28/2015	X			

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REPORTING RECORDS			S	U	N/A	N/C
1.	49 U.S.C. 60132, Subsection (b)	For Gas Transmission Pipelines and LNG Plants. Submission of Data to the National Pipeline Mapping System Under the Pipeline Safety Improvement Act of 2002 Updates to NMPS: Operators are required to make update submissions every 12 months if any system modifications have occurred. <u>If no modifications have occurred since the last complete submission (including operator contact information), send an email to opsgis@rspa.dot.gov stating that fact.</u> Include operator contact information with all updates. Last file was received on 3/03/2015.	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? No changes – email sent on March 31, 2010 no changes in system.	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. Zero federal report ables in Colville during this time period. GESH EOP sheet 8.	X			
4.	191.7	Reports (except SRCR and offshore pipeline condition reports) must be submitted electronically to PHMSA at http://portal.phmsa.dot.gov/pipeline at unless an alternative reporting method is authorized IAW with paragraph (d) of this section. See GESH EOP, Sheet 9 middle of the page where electronic filing is noted. Last Federal Reportable event in WA occurred in 2013 and was submitted electronically (Report #20130050-15833).	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 See #4 above.	X			
6.	191.15(c)	Supplemental report (to 30-day follow-up) No supplemental reports for Colville Distict this inspection period.			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). See GSM (Gas Standards Manual) Spec 4.14, Sheet 1 which says Avista will submit report electronically and annually by 3/15/15. Linda Burger submits this every year and sends copy to WUTC.	X			
8.	191.22	Each operator must obtain an OPID, validate its OPIDs, and notify PHMSA of certain events at http://portal.phmsa.dot.gov/pipeline - Avista validated its OPID per email dated 4/17/12.	X			
9.	191.23	Filing the Safety Related Condition Report (SRCR) – There have been NO SRC Reports filed for Colville District during this inspection period. SCR process is noted in Spec. 4.12.	X			

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REPORTING RECORDS			S	U	N/A	N/C
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. There have been NO SRC Reports filed for Colville District during this inspection period. SCR process in noted in Spec. 4.12. See 9 above. Note: 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 on or before the fifth day 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"> • 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. • The name, job title, and business telephone number of the person who determined the condition exists. • The date the condition was discovered and the date the condition was first determined to exist. • 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. • 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. 	X			
11.	.605(d)	Instructions to enable operation and maintenance personnel to recognize potential Safety Related Conditions GSM - Spec. 4.12 appears to be adequate.	X			
12.	191.27	Offshore pipeline condition reports – filed within 60 days after the inspections Colville district does not include off shore pipeline in the Gulf of Mexico.			X	
13.	192.727(g)	Abandoned facilities offshore, onshore crossing commercially navigable waterways reports Colville District has no such facilities.			X	
14.	480-93-200(1)	Telephonic Reports to UTC Pipeline Safety Incident Notification 1-888-321-9144 (Within 2 hours) for events which results in; NOTE: One of these types of reports – Lines 15-21 – was made for this inspection cycle in Colville. (Evacuation of a building in Kettle Falls)				
15.	480-93-200(1)(a)	A fatality or personal injury requiring hospitalization; See 14 above	X			
16.	480-93-200(1)(b)	Damage to property of the operator and others of a combined total exceeding fifty thousand dollars; See 14 above	X			
17.	480-93-200(1)(c)	The evacuation of a building, or high occupancy structures or areas; See 14 above	X			
18.	480-93-200(1)(d)	The unintentional ignition of gas; See 14 above	X			
19.	480-93-200(1)(e)	The unscheduled interruption of service furnished by any operator to twenty five or more distribution customers; See 14 above	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; See 14 above	X			
21.	480-93-200(1)(g)	Is significant, in the judgment of the operator, even though it does not meet the criteria of (a) through (f) of this subsection; See 14 above	X			
22.	480-93-200(2)	Telephonic Reports to UTC Pipeline Safety Incident Notification 1-888-321-9146 (Within 24 hours) for; NOTE: One of these types of reports – Lines 23 to 26 – was made for this inspection cycle in Colville. (Uncontrolled release of gas over 2 hours)				
23.	480-93-200(2)(a)	The uncontrolled release of gas for more than two hours; See Line #22 above	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; See Line #22 above	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 See Line #22 above	X			
26.	480-93-200(2)(d)	A gas pipeline pressure exceeding the MAOP See Line #22 above	X			
27.	480-93-200(4)	Did written incident reports (within 30 days of telephonic notice) include the following				

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REPORTING RECORDS			S	U	N/A	N/C
28.	480-93-200(4)(a)	Name(s) and address(es) of any person or persons injured or killed, or whose property was damaged; Reviewed actual letter and GESH EOP pages 8 & 9. All applicable information included.	X			
29.	480-93-200(4)(b)	The extent of injuries and damage; See #28 above.	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; See #28 above.	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; See #28 above.	X			
32.	480-93-200(4)(e)	The date and time the gas pipeline company was first notified of the incident; See #28 above.	X			
33.	480-93-200(4)(f)	The date and time the ((operators')) gas pipeline company's first responders arrived on-site See #28 above.;	X			
34.	480-93-200(4)(g)	The date and time the gas ((facility)) pipeline was made safe; See #28 above.	X			
35.	480-93-200(4)(h)	The date, time, and type of any temporary or permanent repair that was made; See #28 above.	X			
36.	480-93-200(4)(i)	The cost of the incident to the ((operator)) gas pipeline company; See #28 above.	X			
37.	480-93-200(4)(j)	Line type; See #28 above.	X			
38.	480-93-200(4)(k)	City and county of incident; and See #28 above.	X			
39.	480-93-200(4)(l)	Any other information deemed necessary by the commission. See #28 above.	X			
40.	480-93-200(5)	Supplemental report if required information becomes available after 30 day report submitted – No supplemental reports filed for this reporting period for Colville District.			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 GESH EOP sheet 5, None during this time frame.	X			
42.	480-93-200(7)	Filing Reports of Damage to Gas Pipeline Facilities to the commission. (eff 4/1/2013) (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) These are uploaded monthly, typically by the 10th of the month, to the virtual DIRT system	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 without facility locates first being completed? Yes. This is added to the comments section.	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? Note: Records maintained for two years and made available to the commission upon request. – Darrel Moss claims manager walked us through a couple of reports of claims and invoices to violators of the dig law.	X			
46.	480-93-200(8)	Does the operator provide the following information to excavators who damage gas pipeline facilities? Reviewed letter sent to excavators, and it appears adequate.				
47.	480-93-200(8)(a)	<ul style="list-style-type: none"> Notification requirements for excavators under RCW 19.122.050(1) 	X			
48.	480-93-200(8)(b)	<ul style="list-style-type: none"> A description of the excavator's responsibilities for reporting damages under RCW 19.122.053; and 	X			
49.	480-93-200(8)(c)	<ul style="list-style-type: none"> 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. 	X			

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REPORTING RECORDS			S	U	N/A	N/C
50.	480-93-200(9)	Reports to the commission only when the operator or its contractor observes or becomes aware of the following activities... <ul style="list-style-type: none"> 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) REVIEW See Pipeline Patrolling Form (Rev. 12/2012) GSM Spec. 4.13, Sheets 7&8 A person intentionally damages or removes marks indicating the location or presence of gas pipeline facilities. 200(9)(b) Reference to removing marks NOT found in GSM Spec. 4.13 sheets 7&8 		X		
51.	480-93-200(10)	Annual Reports filed with the commission no later than March 15 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 – Reviewed annual reports, reports are for all of WA, not just Colville.	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. Reviewed construction defects for 2014 & 2013 & 2012 – Report is for all of WA, not just Colville.	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 Contact information is submitted periodically – Reviewed recent letter.	X			
55.	480-93-200(12)	Providing by email, reports of daily construction and repair activities no later than 10:00 a.m. Reports are mailed regularly and on time. GSM Sec. 4.19. -	X			
56.	480-93-200(13)	Submitting copy of DOT Drug and Alcohol Testing MIS Data Collection Form when required Annual MIS reports are uploaded to PHMSA and WUTC is copied.	X			

Comments:

CUSTOMER and EXCESS FLOW VALVE INSTALLATION NOTIFICATION			S	U	N/A	N/C
57.	192.16	Customer notification - Customers notified, within 90 days , of their responsibility for those service lines not maintained by the operator GSM Sec 4.22	X			
58.	192.381	Does the excess flow valve meet the performance standards prescribed under §192.381? Lyco Excess Flow Valves meet or exceed 192.381 requirements.	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? Excess flow valves are put on all new construction. Installation of EFV are recorded on the as built maps in Avista map system.	X			

Comments:

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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 GSM Sec 4.31 sheet 3	X			
61.	192.225	Test Results to Qualify Welding Procedures – Avista qualifies IAW API -1104 and API-1107 per GSM Spec 3.22 sht 1	X			
62.	192.227	Welder Qualification – Welder qualification per GSM Spec 3.22	X			
63.	480-93-080(1)(b)	Appendix C Welders re-qualified 2/Yr (7.5Months) All welders are requalified every 6 months. GSM Spec 3.22 Sheet 1	X			
64.	480-93-080(2)	Plastic pipe joiners re-qualified 1/Yr (15 Months) Plastic welders requalified annually. GSM Spec 3.23 sheet 1	X			
65.	480-93-080(2)(b)	Plastic pipe joiners re-qualified if no production joints made during any 12 month period Avista tracks PE joints per GSM Spec 3.23 sheet 1.			X	
66.	480-93-080(2)(c)	Tracking Production Joints or Re-qualify joiners 1/Yr (12Months) Reviewed tracking forms for current joiners.	X			
67.	480-93-115(2)	Test leads on casings (without vents) installed after 9/05/1992 GSM Spec 3.42 sheet 3-4.	X			
68.	480-93-115(3)	Sealing ends of casings or conduits on transmission lines and mains GSM Spec 3.42 sheet 5.	X			
69.	480-93-115(4)	Sealing ends (nearest building wall) of casings or conduits on services GSM Spec 3.16 sheet 8	X			
70.	192.241(a)	Visual Weld Inspector Training/Experience See latest OQ for Visual Weld Inspector. Spec 4.31 Appendix A, Task 221.130.005.	X			
71.	192.243(b)(2)	Nondestructive Technician Qualification – NDT only performed on TRANSMISSION therefor N/A for this inspection.			X	
72.	192.243(c)	NDT procedures N/A – No TRANSMISSION			X	
73.	192.243(f)	Total Number of Girth Welds N/A – No TRANSMISSION			X	
74.	192.243(f)	Number of Welds Inspected by NDT N/A – No TRANSMISSION			X	
75.	192.243(f)	Number of Welds Rejected N/A – No TRANSMISSION			X	
76.	192.243(f)	Disposition of each Weld Rejected N/A – No TRANSMISSION			X	
77.	.273/.283	Qualified Joining Procedures Including Test Results - Butt Fusions GSM Spec 3.23 Sheet 2 references back to Plastic Pipe institute procedure from Bulletin PP-750, April 2006.	X			
78.	192.303	Construction Specifications GSM Spec 3.18 sheet 10 – Avistas pressure test information includes a declaration that all construction was performed per current Avista standards.	X			
79.	192.325 WAC 480-93-178(4)(5)	Underground Clearances - GSM Spec 3.18 sheet 10 – Avistas pressure test information includes a declaration that all construction was performed per current Avista standards.	X			
80.	192.327	Amount, location, cover of each size of pipe installed – Reviewed as built for the Colville office to confirm cover and material.	X			
81.	480-93-160(1)	Report filed 45 days prior to construction or replacement of transmission pipelines ≥ 100 feet in length – N/A – No transmission in Colville.			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: N/A – No transmission in Colville.			X	
83.	480-93-160(2)(a)	Description and purpose of the proposed pipeline; N/A – No transmission in Colville.			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. N/A – No transmission in Colville.			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 N/A – No transmission in Colville.			X	
86.	480-93-160(2)(d)	MAOP for the gas pipeline being constructed; N/A – No transmission in Colville.			X	
87.	480-93-160(2)(e)	Location and construction details of all river crossings or other unusual construction requirements encountered en route. N/A – No transmission in Colville.			X	

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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; N/A – No transmission in Colville.			X	
89.	480-93-160(2)(g)	Welding specifications; and N/A – No transmission in Colville.			X	
90.	480-93-160(2)(h)	Bending procedures to be followed if needed. - N/A – No transmission in Colville.			X	
91.	480-93-170(1)	Commission notified 2 (3 DAYS AS STATED IN THE WAC) days prior to pressure testing pipelines with an MAOP producing a hoop stress \geq 20% SMYS? GSM Spec 3.18 sheet 4	X			
92.	480-93-170(7)	Pressure tests records at a minimum include required information listed under 480-93-170(a-h) See GSM Spec. 3.18 shets 9&10 (Pressure t test tsicker has these minimums)	X			
93.	480-93-170(9)	Individual pressure test records maintained for single installations where multiple pressure tests were performed? See GSM Spec. 3.18 sheet 9	X			
94.	480-93-170(10)	Pressure Testing Equipment checked for accuracy/intervals (Manufacturers Rec or Operators schedule) See GSM Spec. 5.21, Sheet 5	X			
95.	480-93-175(2)	Study prepared and approved prior to moving and lowering of metallic pipelines $>$ 60 psig See GSM Spec. 3.12, Sheets 12 & 13	X			
96.	480-93-175(4)	Leak survey within 30 days of moving or lowering pipelines \leq 60 psig See GSM Spec. 3.12, Sheets 12 & 13	X			

Comments:

OPERATIONS and MAINTENANCE RECORDS			S	U	N/A	N/C
97.	192.517(a)	Pressure Testing (operates at or above 100 psig) – Reviewed one pressure test package for Station 560.	X			
98.	192.517(b)	Pressure Testing (operates below 100 psig, service lines, plastic lines) – 5 years – Reviewed as built to confirm pressure test data was complete.	X			
99.	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 Avista does an annual review including the review of OQ procedures.	X			
100.	192.605(b)(3)	Availability of construction records, maps, operating history to operating personnel Field personnel and office workers have access to GIS (AFM) on Go Books and office computers.	X			
101.	480-93-018(3)	Records, including maps and drawings updated within 6 months of completion of construction activity? Avista appears to update maps and drawings within 6 months.	X			
102.	192.605(b)(8)	Periodic review of personnel work – effectiveness of normal O&M procedures – QA/QC reviews periodic work of company and contractor personnel . See Spec 4.61	X			
103.	192.605(c)(4)	Periodic review of personnel work – effectiveness of abnormal operation procedures - Manager reviews Trouble Orders.	X			
104.	192.609	Class Location Study (If applicable) N/A – Avista designs to Class 4			X	
105.	192.611	Confirmation or revision of MAOP – N/A – Avista designs to Class 4			X	
106.		Damage Prevention (Operator Internal Performance Measures)				
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) Spec 4.61 document QA/QC program for Avista.	X			

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108.		Does operator including performance measures in facility locating services contracts with corresponding and meaningful incentives and penalties? Locating Inc contract O-5436 identifies that work will be paid for correct service (proper locates) per schedule.	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? Sec 4.31 Sheet 7&8 – Shows that any persons qualification can questioned for poor performance. If disqualified they must re-qualify before locating again. Colville locating	X			
110.		Does the operator periodically review the Operator Qualification plan criteria and methods used to qualify personnel to perform locates? Reviewed OQ task periodic updates and there have been 4 revisions in 15 years.	X			
111.		Review operator locating and excavation <u>procedures</u> for compliance with state law and regulations. Spec 4.13 – Locating , Spec 3.15 – Trenching and backfill.	X			
112.		Are locates are being made within the timeframes required by state law and regulations? Examine record sample. Reviewed 10 out of 100 for compliance - OK	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? Reviewed spec 4.13 and 3.15 and they appear to cover all requirements. Locate Inc in Colville need OQ records for ELM(Clark/pull contractor)	X			
114.		Follow-up inspection performed on the pipeline where there is reason to believe the pipeline could be damaged .614(c) (6) 1. Is the inspection the done as frequently as necessary during and after the activities to verify the integrity of the pipeline? 2. In the case of blasting, does the inspection include leakage surveys? Spec 4.13 page 5 & 6 appears to cover requirments.	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) Note: Review operator records of previous accidents and failures including third-party damage and leak response Review for 7 of 17 possible all had crew onsite within 60 minutes.	X			
117.	192.615(b)(1)	Location Specific Emergency Plan	X			
118.	192.615(b)(2)	Emergency Procedure training, verify effectiveness of training – Avista does mock drills to verify effectiveness. Reviewed Stevens County Mock Emergency debriefed on April 18, 2012. Mock Emergency drill April 12, 2011	X			
119.	192.615(b)(3)	Employee Emergency activity review, determine if procedures were followed. Managers review all trouble orders.	X			
120.	192.615(c)	Liaison Program with Public Officials - Reviewed spread sheet showing public official visits	X			
121.	192.616	Public Awareness Program				

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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: PA Inspections performed 2012, 2013 and 2014.			X																											
123.		Operators in existence on June 20, 2005, must have completed their written programs no later than June 20, 2006. See 192.616(a) and (j) for exceptions.																														
124.		API RP 1162 Baseline* Recommended Message Deliveries																														
125.		<table border="1"> <thead> <tr> <th>Stakeholder Audience (LDC’s)</th> <th>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>Stakeholder Audience (Transmission line operators)</th> <th>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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126.		* Refer to API RP 1162 for additional requirements, including general program recommendations, supplemental requirements, recordkeeping, program evaluation, etc.																														
127.	192.616(g)	The program conducted in English and any other languages commonly understood by a significant number of the population in the operator's area.	X																													
128.	.616(h)	IAW API RP 1162, the operator’s program should be reviewed for effectiveness within four years of the date the operator’s program was first completed. <u>For operators in existence on June 20, 2005</u> , who must have completed their written programs no later than June 20, 2006, the first evaluation is due no later than June 20, 2010 . .616(h) PA Inspections performed 2012, 2013 and 2014.			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. N/A – No master meters in Colville District			X																											
130.	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) Spec 4.31 Sheet 6 – Rev 2015. GESH Section EOP Sheets 4-5.	X																													

Comments:

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PA – 121-128 Inspection Performed on 2012 & 2013 & 2014 Clean bill of health for Avista at 2014 inspection. Joint with WA OR ID.
GESH - Gas Emergency and Service Handbook.

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) Spec 4.15 – Avista does not use PA-11 material.	X											
132.	480-93-015(1)	Odorization of Gas – Concentrations adequate Yes	X											
133.	480-93-015(2)	Monthly Odorant Sniff Testing – testing performed monthly.	X											
134.	480-93-015(3)	Prompt action taken to investigate and remediate odorant concentrations not meeting the minimum requirements None found during time frame.	X											
135.	480-93-015(4)	Odorant Testing Equipment Calibration/Intervals (Annually or Manufacturers Recommendation) Instruments Calibrated Monthly for time period.	X											
136.	480-93-124(3)	Pipeline markers attached to bridges or other spans inspected? 1/yr(15 months) Look for markers on bridges four times a year.	X											
137.	480-93-124(4)	Markers reported missing or damaged replaced within 45 days? 5.15 Sheet 7	X											
138.	480-93-140(2)	Service regulators and associated safety devices tested during initial turn-on GES Section 6 - Reviewed turn on paperwork for 10 installs.	X											
139.	480-93-155(1)	Up-rating of system MAOP to > 60 psig ? Procedures and specifications submitted 45 days prior? No up-rates in Colville district this inspection cycle.			X									
140.	480-93-185(1)	Reported gas leaks promptly investigated? Graded in accordance with 480-93-186? Records retained? Reviewed 4 out of 20 records – Leak response within 1 hour.	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; Section 5.11, sheet 5	X											
142.	480-93-185(3)(b)	Leaks originating from a foreign source reported promptly/notification by mail. Records retained? (Reviewed four (4) letters to persons at foreign source.)	X											
143.	480-93-186(3)	Leak evaluations: Are follow-up inspections performed within 30 days of a leak repair? Reviewed leak surveys with Residual Gas to insure proper followup. ````	X											
144.	480-93-186(4)	Leak evaluations: Grade 1 and 2 leaks (if any), downgraded once to a grade 3 without physical repair? Section 5.11 sheet 17 – Rev 1/01/15	X											
145.	480-93-187	Gas leak records: at a minimum include required information listed under 480-93-187(1-13) Leak records contain the required information.	X											
146.	480-93-188(1)	Gas leak surveys Section 5.11 sheet 3 & 4	X											
147.	480-93-188(2)	Gas detection instruments tested for accuracy/intervals (Mfct recommended or monthly not to exceed 45 days) Section 5.11 page 3, CGI and FI units are calibrated daily	X											
148.	480-93-188(3)	Leak survey frequency (Refer to Table Below) Section 5.11 sheet 6-8	X											
<table border="1" style="margin: auto; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Business Districts (implement by 6/02/07)</td> <td style="padding: 2px; text-align: center;">1/yr (15 months)</td> </tr> <tr> <td style="padding: 2px;">High Occupancy Structures</td> <td style="padding: 2px; text-align: center;">1/yr (15 months)</td> </tr> <tr> <td style="padding: 2px;">Pipelines Operating ≥ 250 psig</td> <td style="padding: 2px; text-align: center;">1/yr (15 months)</td> </tr> <tr> <td style="padding: 2px;">Other Mains: CI, WI, copper, unprotected steel</td> <td style="padding: 2px; text-align: center;">2/yr (7.5 months) None</td> </tr> </table>							Business Districts (implement by 6/02/07)	1/yr (15 months)	High Occupancy Structures	1/yr (15 months)	Pipelines Operating ≥ 250 psig	1/yr (15 months)	Other Mains: CI, WI, copper, unprotected steel	2/yr (7.5 months) None
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149.	480-93-188(4)(a)	Special leak surveys - Prior to paving or resurfacing, following street alterations or repairs Section 5.11 Sheet 7 .	X											
150.	480-93-188(4)(b)	Special leak surveys - areas where substructure construction occurs adjacent to underground gas facilities, and damage could have occurred None during this time period.	X											
151.	480-93-188(4)(c)	Special leak surveys - Unstable soil areas where active gas lines could be affected None during this time period.	X											

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152.	480-93-188(4)(d)	Special leak surveys - areas and at times of unusual activity, such as earthquake, floods, and explosions None during this time period.	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. Section 5.11 page 16 – Excavation Damage	X															
154.	480-93-188(5)	Gas Survey Records (Min 5 yrs) and at a minimum include required information listed under 480-93-188 (5) (a-f) records kept over 5 years, Records reviewed contained minimum required information.	X															
155.	480-93-188(6)	Leak program - Self Audits Done annually or more frequently if required. Reviewed self audits for 2012, 2013, 2014.	X															
156.	192.709	Patrolling (Transmission Lines) (Refer to Table Below) .705 These records were reviewed during WA Transmission Audit in June (6192)			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)
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157.	192.709	Leak Surveys (Transmission Lines) (Refer to Table Below) .706 These records were reviewed during WA Transmission Audit in June (6192)			X													
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158.	192.603(b)	Patrolling Business District (4 per yr/4½ months) .721(b)(1) Reviewed records of patrol for entire district.	X															
159.	192.603(b)	Patrolling Outside Business District (2 per yr/7½ months) 192.721(b)(2) Avista patrols intire system 4 times a year, as if business district and does patrols times a year.	X															
160.	192.603(b)	Leakage Survey - Outside Business District (annually 5-years) 192 .723(b)(1) Reviewed leak surveys for all sections.	X															
161.	192.603(b)	Leakage Survey 192.723(b)(2) Reviewed leak surveys for district. <ul style="list-style-type: none"> • Outside Business District (5 years) • Cathodically unprotected distribution lines (3 years) 	X															
162.	192.603(b)	Tests for Reinstating Service Lines 192.725 see spec 5.17 -	X															
163.	192.603(b)/.727(g)	Abandoned Pipelines; Underwater Facility Reports 192.727 No such facilities in Colville District.			X													
164.	192.709	Pressure Limiting and Regulating Stations (1 per yr/15 months) .739 Reviewed annual records for regulators in district.	X															
165.	192.709	Pressure Limiting and Regulator Stations – Capacity (1 per yr/15 months) .743 Capacity reviewed annually	X															
166.	192.709	Valve Maintenance – Transmission (1 per yr/15 months) .745 – TRANSMISSION valve matinance reviewed during WA Transmission inspection. (6192)			X													
167.	192.709	Valve Maintenance – Distribution (1 per yr/15 months) .747 Reviewed sample of records for yearly inspection.	X															
168.	480-93-100(3)	Service valve maintenance (1 per yr/15 months) Emergency Curb valves are inspected annually, reviewed sample.	X															
169.	192.709	Vault maintenance (≥200 cubic feet)(1 per yr/15 months) .749 No vaults in WA			X													
170.	192. 603(b)	Prevention of Accidental Ignition (hot work permits) .751 GSM spec 3.17 sheet 1	X															
171.	192. 603(b)	Welding – Procedure 192.225(b) Reviewed sample of weld procedures.	X															
172.	192. 603(b)	Welding – Welder Qualification 192.227/.229 Weld Qual reviewed prior to field portion of inspection.	X															
173.	192. 603(b)	NDT – NDT Personnel Qualification .243(b)(2)- N/A no transmission in Colville District.			X													

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174.	192.709	NDT Records (pipeline life) .243(f) N/A no transmission in Colville District.			X	
175.	192.709	Repair: pipe (pipeline life); Other than pipe (5 years) N/A no transmission in Colville District.			X	
176.	192.905(c)	Periodically examining their transmission line routes for the appearance of newly identified area's (HCA's) N/A no transmission in Colville District.			X	

Comments:

Highlight dark blue dar blue indicates something company wide so the same for both districts.

Item 160 requires revision.

CORROSION CONTROL RECORDS			S	U	N/A	N/C
177.	192.455(a)(1)	Pipeline coatings meet requirements of 192.461 <i>(for buried pipelines installed after 7/31/71)</i> GSM Sect 2.32 Sheet 5	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> GSM Sect 2.32 Sheet 5	X			
179.	192.465(a)	Annual Pipe-to-soil Monitoring (1 per yr/15 months) for short sections (10% per year; all in 10 years) Reviewed by Scott, OK, Waiting for 10% of the isolated steel includes the isolated riser replacement.	X			
180.	192.491	Test Lead Maintenance .471 Spec 2.32 6 and 8	X			
181.	192.491	Maps or Records .491(a) Moved rectifier in 2014 and map was updated in a timely manner.	X			
182.	192.491	Examination of Buried Pipe when exposed .459 Spec 3.44 sheet 1 Reviewed sample of Exposed Pipe Reports	X			
183.	480-93-110(8)	CP test reading on all exposed facilities where coating has been removed Spec 5.14 sheet 10 – Reviewed sample	X			
184.	192.491	Annual Pipe-to-soil monitoring (1 per yr/15 months) .465(a) Reviewed b y Scott, OK,	X			
185.	192.491	Rectifier Monitoring (6 per yr/2½ months) .465(b) Reviewed by Scott, OK,	X			
186.	192.491	Interference Bond Monitoring – Critical (6 per yr/2½ months) .465(c) – None in Colville District.			X	
187.	192.491	Interference Bond Monitoring – Non-critical (1 per yr/15 months) .465(c) None in Colville District.			X	
188.	480-93-110(2)	Remedial action taken within 90 days (Up to 30 additional days if other circumstances. Must document) .465(d) Reviewed sample of remedial actions when they get a low read. Remediate in time period.	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. Spec GSM 5.14 Sheets 6 and 7 Reviewed calibration of CP equipment for 2012, 2013, 2014	X			
190.	192.491	Unprotected Pipeline Surveys, CP active corrosion areas (1 per 3 cal yr/39 months) .465(e) No unprotected pipelines in Colville District.			X	
191.	192.491	Electrical Isolation (Including Casings) .467 Spec 2.32 Sheet 7 – No electrically isolated sections.	X			
192.	480-93-110(5)	Casings inspected/tested annually not to exceed fifteen months – Reviewed readings for casing inspections for 2012, 2013, 2014.	X			
193.	480-93-110(5)(a)	Casings w/no test leads installed prior to 9/05/1992. Demonstrate other acceptable test methods Sec 5.14 sheets 11 & 12 show test methods. No such conditions in Colville District (and Pullman/ Clarkson Districts)	X			
194.	480-93-110(5)(b)	Possible shorted conditions – Perform confirmatory follow-up inspection within 90 days Spec 5.14 sheet 4 & 5- No shorted casing in Colville District	X			

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CORROSION CONTROL RECORDS			S	U	N/A	N/C
195.	480-93-110(5)(c)	Casing shorts cleared when practical - Spec 5.14 sheet 4 & 5 – None during time frame.	X			
196.	480-93-110(5)(d)	Shorted conditions leak surveyed within 90 days of discovery. Twice annually/7.5 months Spec 5.14 sheet 4 & 5 – None during time frame.	X			
197.	192.491	Interference Currents .473 None in Colville District (and Pull/Clark).			X	
198.	192.491	Internal Corrosion; Corrosive Gas Investigation .475(a) Non Corrosive gas by contract			X	
199.	192.491	Internal Corrosion; Internal Surface Inspection; Pipe Replacement .475(b) Reviewed sample of internal inspection.	X			
200.	192.491	Internal Corrosion Control Coupon Monitoring (2 per yr/7½ months) .477 Non Corrosive gas by contract. No coupons in system.			X	
201.	192.491	Atmospheric Corrosion Control Monitoring (1 per 3 cal yr/39 months onshore; 1 per yr/15 months offshore) .481 This was covered during leak survey and atmophic corrosion patrols for this district.	X			
202.	192.491	Remedial: Replaced or Repaired Pipe; coated and protected; corrosion evaluation and actions .483/485 GSM Section 2.32 sheet 5 – None in district	X			

Comments:

PIPELINE INSPECTION (Field)			S	U	N/A	N/C
203.	192.161	Supports and anchors	X			
204.	480-93-080(1)(d)	Welding procedures located on site where welding is performed? None observed			X	
205.	480-93-080(1)(b)	Use of testing equipment to record and document essential variables None observed			X	
206.	480-93-080(2)(a)	Plastic procedures located on site where welding fusing is performed? None observed			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. None observed			X	
208.	480-93-013	Personnel performing “New Construction” covered tasks OQ qualified? None observed			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 (for buried pipelines installed after 7/31/71)	X			
213.	192.463	Levels of cathodic protection	X			
214.	192.465	Rectifiers	X			
215.	192.467	CP - Electrical Isolation	X			
216.	192.476	Systems designed to reduce internal corrosion Non corrosive gas per contract.			X	
217.	192.479	Pipeline Components exposed to the atmosphere	X			
218.	192.481	Atmospheric Corrosion: monitoring	X			
219.	192.491	Test Stations – Sufficient Number .469	X			
220.	480-93-115(2)	Casings – Test Leads (casings w/o vents installed after 9/05/1992)	X			
221.	480-93-115(2)	Mains or transmission lines installed in casings/conduit. Are casing ends sealed?	X			
222.	480-93-115(4)	Service lines installed in casings/conduit. Are casing ends nearest to building walls sealed?	X			

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PIPELINE INSPECTION (Field)			S	U	N/A	N/C
223.	192.605(a)	Appropriate parts of manuals kept at locations where O&M activities are conducted	X			
224.	192.605	Knowledge of Operating Personnel	X			
225.	480-93-124	Pipeline markers	X			
226.	480-93-124(4)	Markers reported missing or damaged replaced within 45 days ?	X			
227.	192.719	Pre-pressure Tested Pipe (Markings and Inventory)	X			
228.	192.195	Overpressure protection designed and installed where required?	X			
229.	192.739/743	Pressure Limiting and Regulating Devices (Mechanical/Capacities)	X			
230.	192.741	Telemetry, Recording Gauges	X			
231.	192.751	Warning Signs	X			
232.	192.355	Customer meters and regulators. Protection from damage	X			
233.	192.355(c)	Pits and vaults: Able to support vehicular traffic where anticipated. None			X	
234.	480-93-140	Service regulators installed, operated and maintained per state/fed regs and manufacturers recommended practices?	X			
235.	480-93-178(2)	Plastic Pipe Storage facilities – Maximum Exposure to Ultraviolet Light (2yrs)	X			
236.	480-93-178(4)	Minimum Clearances from other utilities. For parallel lines a minimum of twelve inches. Where a minimum twelve inches of separation is not possible, must take adequate precautions, such as inserting the plastic pipeline in conduit, to minimize any potential hazards.	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	X			
238.	480-93-178(6)	Are there Temporary above ground PE pipe installations currently? Yes No X				
239.	480-93-178(6)(a)	If yes, is facility monitored and protected from potential damage? None			X	
240.	480-93-178(6)(b)	If installation exceeded 30 days, was commission staff notified prior to exceeding the deadline? None			X	
241.	192.745	Valve Maintenance (Transmission) No transmission for this district.			X	
242.	192.747	Valve Maintenance (Distribution)	X			

Facility Sites Visited:

Facility Type	Facility ID Number	Location

Comments:

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Records Review and Field Inspection

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If an item is marked U, N/A, or N/C, an explanation must be included in this report.

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

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

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

Attachment 1

Distribution Operator Compressor Station Inspection

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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N/A - No Compressor in System

243. .605(b)		COMPRESSOR STATION PROCEDURES	S	U	N/A	N/C
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 (1 per yr/15 months), 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 NFPA #30			X	
249.		.736 Compressor buildings in a compressor station must have fixed gas detection and alarm systems (must be performance tested), unless:			X	
250.		• 50% of the upright side areas are permanently open, or			X	
251.		• It is an unattended field compressor station of 1000 hp or less			X	

Comments:
N/A - No Compressor in System

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

Comments:
N/A - No Compressor in System

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

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COMPRESSOR STATIONS INSPECTION (Field)			S	U	N/A	N/C
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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 NEC Class 1, Group D is not a source of ignition)?			X	
282.	.171	(a) Does the compressor station have adequate fire protection facilities? If fire pumps are used, they must not be affected by the ESD system.			X	
283.		(b) Do the compressor station prime movers (other than electrical movers) have over-speed shutdown?			X	
284.		(c) Do the compressor units alarm or shutdown in the event of inadequate cooling or lubrication of the unit(s)?			X	
285.		(d) Are the gas compressor units equipped to automatically stop fuel flow and vent the engine if the engine is stopped for any reason?			X	
286.		(e) Are the mufflers equipped with vents to vent any trapped gas?			X	
287.	.173	Is each compressor station building adequately ventilated?			X	
288.	.457	Is all buried piping cathodically protected?			X	
289.	.481	Atmospheric corrosion of aboveground facilities			X	
290.	.603	Does the operator have procedures for the start-up and shut-down of the station and/or compressor units?			X	
291.		Are facility maps current/up-to-date?			X	
292.	.615	Emergency Plan for the station on site?			X	
293.	.619	Review pressure recording charts and/or SCADA			X	
294.	.707	Markers			X	
295.	.731	Overpressure protection – relief’s or shutdowns			X	
296.	.735	Are combustible materials in quantities exceeding normal daily usage, stored a safe distance from the compressor building?			X	
297.		Is aboveground oil or gasoline storage tanks protected in accordance with NFPA standard No. 30?			X	

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COMPRESSOR STATIONS INSPECTION (Field)			S	U	N/A	N/C
(Note: Facilities may be “Grandfathered”)						
298.	.736	Gas detection – location			X	

Comments:

N/A - No Compressor in System