Washington Utilities and Transportation Commission
Standard Inspection Report for Intrastate Gas Systems
Procedures and Plan Review

S – Satisfactory U – Unsatisfactory N/A – Not Applicable N/C – Not Checked
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A completed **Inspection Checklist, Cover Letter and Field Report** are to be submitted to the Senior Engineer within **30 days** from completion of the inspection.

Inspection Report			
Docket Number	PG-070013		
Inspector/Submit Date	6/13/2007		
Sr. Eng Review/Date	6/15/2007		
Operator Information			
Name of Operator:	Avista Utilities	**OP ID #:**	112
Name of Unit(s):	Headquarters		
Records Location:	E 1411 Mission, Spokane WA 99220		
Date(s) of Last Review:	August 2005	**Inspection Date**	May 14th thru May 24th (9 days including driving time)

Inspection Summary:

Full team procedures manual review.

HQ Address:		**System/Unit Name & Address:**	
E 1411 Mission Spokane, WA 99220		Spokane/Ritzville	
Co. Official:	Mike Faulkenberry	**Phone No.:**	N/A
Phone No.:	509-495-8499	**Fax No.:**	N/A
Fax No.:		**Emergency Phone No.:**	N/A
Emergency Phone No.:			N/A

Persons Interviewed	**Title**	**Phone No.**
Jan Shea	Gas Field Tech	509-495-4151
Linda Burger	Pipeline Safety Specialist	509-495-4423
Bab Larson	Gas Field Tech	509-981-4748
Gary Douglas	CP Specialist	509-495-4198
Bill Baker	Gas Training and Codes	509-495-4894
Jody Morehouse	Compliance Manager	509-495-2760

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GAS SYSTEM OPERATIONS		
Gas Supplier		
Operating Pressure(s):	**MAOP (Within last year)**	**Actual Operating Pressure** (At time of Inspection)
Feeder: Multiple	Multiple	Multiple
Town:		
Other:		
Does the operator have any transmission pipelines? Yes		

Pipe Specifications:			
Year Installed (Range)	56 - current	Pipe Diameters (Range)	½" – 24"
Material Type	PE and STeel	Line Pipe Specification Used	
Mileage		SMYS %	27%

49 CFR PART 191 & CHAPTER 480-93 WAC

REPORTING PROCEDURES		S	U	N/A	N/C
1 480-93-180 (1)	Telephonic reports to **NRC (800-424-8802)** 191.5 Gas Emergency Service Handbook (GESH) Emergency Operating Plan (EOP) section	X			
2 480-93-180 (1)	Telephonic Reports to **UTC Pipeline Safety Incident Notification 1-888-321-9146** (Within **2 hours**) for events which; 480-93-200(1) (a) thru (h) (eff 6/02/05) A Gas Emergency Service Handbook (GESH) Emergency Operating Plan (EOP) section B Gas Emergency Service Handbook (GESH) Emergency Operating Plan (EOP) section C Gas Emergency Service Handbook (GESH) Emergency Operating Plan (EOP) section D Gas Emergency Service Handbook (GESH) Emergency Operating Plan (EOP) section E Gas Emergency Service Handbook (GESH) Emergency Operating Plan (EOP) section F Gas Emergency Service Handbook (GESH) Emergency Operating Plan (EOP) section G Gas Emergency Service Handbook (GESH) Emergency Operating Plan (EOP) section H Gas Emergency Service Handbook (GESH) Emergency Operating Plan (EOP) section	X			
3 480-93-180 (1)	Telephonic Reports to UTC Pipeline Safety Incident Notification 1-888-321-9146 (Within 24 hours) for; 480-93-200(2) (a) thru (d) (eff 6/02/05) A Gas Emergency Service Handbook (GESH) Emergency Operating Plan (EOP) section B Gas Emergency Service Handbook (GESH) Emergency Operating Plan (EOP) section C Gas Emergency Service Handbook (GESH) Emergency Operating Plan (EOP) section D Gas Emergency Service Handbook (GESH) Emergency Operating Plan (EOP) section	X			
4- 480-93-180 (1)	Annual reports; (DOT Form F 7100.1) 191.11 GSM 4.14	X			
5 - 480-93-180 (1)	30 day written incident (federal) reports; (DOT Form F 7100.2) 191.15(a) GESH EOP	X			
6 - 480-93-180 (1)	Supplemental incident reports 191.15(b) Not very clear on supplemental reports.	X			
7 480-93-180 (1)	Written incident reports including supplemental reports (within 30 days); and include the following; 480-93-200(4) (a) thru (g) (eff 6/02/05) A Telephonic Incident Reporting Manual B Telephonic Incident Reporting Manual C Telephonic Incident Reporting Manual D Telephonic Incident Reporting Manual E Telephonic Incident Reporting Manual F Telephonic Incident Reporting Manual G Telephonic Incident Reporting Manual	X			
8 - 480-93-180 (1)	Written report within 45 days of receiving the failure analysis of any incident or hazardous condition due to construction defects or material failure 480-93-200(5) (eff 6/02/05)				
9 - 480-93-180 (1)	Annual Report (DOT Form PHMSA F-7100.2-1) 191.17(a) GSM 4.11	X			

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	REPORTING PROCEDURES	S	U	N/A	N/C
	Annual Reports filed no later than March 15 for the proceeding calendar year 480-93-200(6) (eff 6/02/05)				
10 - 480-93-180 (1)	• A copy of PHMSA form F-7100.1-1 or F-7100.2-1 annual report required by the PHMSA/OPS 480-93-200(6)(a) (eff 6/02/05) GSM 4.14	X			
11 - 480-93-180 (1)	• Annual Damage Prevention Statistics Report (eff 6/02/05) including the following; 480-93-200(6)(b)(i) thru (iii) (eff 6/02/05) GSM 4.14	X			
12 - 480-93-180 (1)	Annual report on construction defects or material failures 480-93-200(6)(c) (eff 6/02/05) GSM 4.14	X			
13 - 480-93-180 (1)	Providing updated emergency contact information to the Commission and appropriate officials 480-93-200(7) (eff 6/02/05) GESH EOP	X			
14 - 480-93-180 (1)	Providing daily construction and repair activities reports 480-93-200(8) (eff 6/02/05) GSM 4.19	X			
15 - 480-93-180 (1)	Submitting copy of DOT Drug and Alcohol Testing MIS Data Collection Form (when required) 480-93-200(9) (eff 6/02/05) Drug and Alcohol Plan	X			
16 - 480-93-180 (1)	Safety related condition reports (SRCR) 191.23 GSM 4.12	X			
17 - 480-93-180 (1)	Filing the SRCR within 5 days of determination, but not later than 10 days after discovery 191.25	X			
18 - 480-93-180 (1)	Abandoned facilities offshore, onshore crossing commercially navigable waterways reports 192.727(g) GSM 5.16 page 3	X			

Documentation Reviewed:

Document Title	Document/Section Number	Revision Date

Comments:

	49 CFR PART 192 SUBPART A – GENERAL CHAPTER 480-93 WAC – GAS COMPANIES---SAFETY	S	U	N/A	N/C
19 480-93-180 (1)	New customers notified, within 90 days, of their responsibility for those service lines not maintained by the operator 192.16 **GSM 4.22**	X			
20 480-93-180 (1)	Does the excess flow valve meet the performance standards prescribed under §192.381? **GSM 2.14** **Repeat of 127**	X			
21 480-93-180 (1)	Does the operator have a voluntary installation program for excess flow valves and does the program meet the requirements outlined in §192.383? **No**	X			
22 480-93-180 (1)	If no voluntary program for EFV installations, are customers notified in accordance with §192.383? **GSM 4.23**	X			
23 480-93-180 (1)	Procedures for notifying new customers, within **90 days**, of their responsibility for those selections of service lines not maintained by the operator. §192.16 **Repeat of 4 questions above**	X			
24 480-93-180 (1)	Conversion to Service - Any pipelines previously used in service not subject to Part 192? 192.14 . **During inspection Avista added a statement in 2.14 to comply with this.**	X			

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Comments:

	SUBPART B - MATERIALS	S	U	N/A	N/C
	Are minimum requirements prescribed for the selection and qualification of pipe and components for use in pipelines 192.51				
25 480-93-180 (1)	For **steel** pipe, manufactured in accordance with and meet the listed specification found under Appendix B 192.55 **GSM 2.11**	X			
	For **new** plastic pipe, qualified for use under this part if: 192.59(a)				
26 480-93-180 (1)	• It is manufactured in accordance with a listed specification; and 192.59(a)(1) • It is resistant to chemicals with which contact may be anticipated. 192.59(a) (2) **GSM 2.13**	X			
	For **used** plastic pipe, qualified for use under this part if: 192.59(b)				
27 480-93-180 (1)	• It was manufactured in accordance with a listed specification; 192.59(b)(1) • It is resistant to chemicals with which contact may be anticipated; 192.59(b)(2) • It has been used only in natural gas service. 192.59(b)(3)(4) • Its dimensions are still within the tolerances of the specification to which it was manufactured; and, 192.59(b) • It is free of visible defects. 192.59(b)(5) **GSM 2.13**	X			
28 480-93-180 (1)	Marking of Materials 192.63 **GSM 2.13 for plastic, 2.12 for steel,**	X			

Documentation Reviewed:		
Document Title	**Document/Section Number**	**Revision Date**

Comments:

	SUBPART C – PIPE DESIGN				
	Procedures for assuring that the minimum requirements for design of pipe are met				
	For Steel Pipe	S	U	N/A	N/C
29 480-93-180 (1)	Pipe designed of sufficient wall thickness, or installed with adequate protection, to withstand anticipated external pressures and loads that will be imposed on the pipe after installation. 192.103 **GSM 2.12 page 3**	X			
30 \ 480-93-180 (1)	Design formula for steel pipe. 192.105(a) **GSM 2.12 pg 2**	X			

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SUBPART C – PIPE DESIGN						
31 480-93-180 (1)	Yield strength (S) for steel pipe. 192.107 (a) & (b) A **GSM 2.12 pg 2** B **GSM 2.12 pg 2**	X				
32 480-93-180 (1)	Nominal wall thickness (t) for steel pipe. 192.109 (a) & (b) A **GSM 2.12** B **GSM 2.12**	X				
33 480-93-180 (1)	Design factor (F) for steel pipe. 192.111 (a) thru (d) A **GSM 2.12** B **GSM 2.12** C **GSM 2.12** D **GSM 2.12**	X				
34 480-93-180 (1)	Longitudinal joint factor (E) for steel pipe. 192.113 **GSM 2.12**	X				
35 480-93-180 (1)	Temperature derating factor (T) for steel pipe. 192.115 **GSM 2.12**	X				
	For Plastic Pipe					
36 480-93-180 (1)	Subject to the limitations of §192.123, for determining the design pressure for plastic pipe in accordance with either formula listed. 192.121 **GSM 2.13 60 psig limit**	X				
37 480-93-180 (1)	For assuring that the design limitations for plastic pipe are not exceeded. 192.123 (a) thru (e) A **GSM 2.13** B **GSM 2.13** C **GSM 2.13** D **GSM 2.13** E **GSM 2.13**	X				

Documentation Reviewed:		
Document Title	**Document/Section Number**	**Revision Date**

Comments:

SUBPART D – DESIGN OF PIPELINE COMPONENTS		S	U	N/A	N/C
	For the design and installation of pipeline components and facilities, and relating to protection against accidental over-pressuring. 192.141				

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SUBPART D – DESIGN OF PIPELINE COMPONENTS		S	U	N/A	N/C
38 -	General requirements.... 192.143 **GSM 2.12**	X			
39 480-93-180 (1)	Qualifying metallic components. 192.144 (a) & (b) A **GSM 2.12** B **GSM 2.12**	X			
40 480-93-180 (1)	For steel valves; meeting the minimum requirements of API 6D, or other standard that provides an equivalent performance level. 192.145 (a) thru (e)	X			
41 480-93-180 (1)	For each flange or flange accessory (other than cast iron) must meet the minimum requirements of ASME/ANSI B16.5, MSS SP-44, or the equivalent. 192.147 (a) thru (c) A **GSM 2.12** B **GSM 2.12** C **GSM 2.12**	X			
42 480-93-180 (1)	For ensuring that each new transmission line and each replacement of line pipe, valve, fitting, or other line component in a transmission line is designed and constructed to accommodate the passage of instrumented internal inspection devices. 192.150 (a) thru (c) A **GSM 2.12** B **GSM 2.12** C **GSM 2.12**	X			
43 480-93-180 (1)	Components fabricated by welding. 192.153 (a) thru (d) A How do we address this? B C D				X
44 480-93-180 (1)	Welded branch connections. 192.155 **GSM 2.12**	X			
45 480-93-180 (1)	Flexibility. 192.159 **GSM 2.12**	X			
46 480-93-180 (1)	Supports and Anchors 192.161(a) (a) thru (f) A **GSM 2.12** B **GSM 2.12** C **GSM 2.12 need to add in non combustible material for supports** **This was added and reviewed on 5/22/2007** D **Nothing over 50%** E **GSM 2.12** F **GSM 3.15 - compaction**	X			
	Compressor Stations				
47 480-93-180 (1)	Compressor stations: Design and construction. 192.163 (a) thru (e) A B C			X	
48 480-93-180 (1)	Compressor stations: Liquid removal. 192.165 (a) & (b) A B			X	

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SUBPART D – DESIGN OF PIPELINE COMPONENTS		S	U	N/A	N/C
49 480-93-180 (1)	Compressor stations: Emergency shutdown. 192.167 (a) thru (c) A B C			X	
50 480-93-180 (1)	Compressor stations: Pressure limiting devices. 192.169 (a) & (b) A B			X	
51 480-93-180 (1)	Compressor stations: Additional safety equipment. 192.171 (a) thru (e) A B C D E			X	
52 480-93-180 (1)	Compressor stations: Ventilation. 192.173			X	
53 480-93-180 (1)	Pipe-type and bottle-type holders. 192.175			X	
54 480-93-180 (1)	Additional provisions for bottle-type holders. 192.177			X	
55 480-93-180 (1)	Transmission line valves.192.179 (a) thru (d) **A GSM 2.14** **B GSM 2.14** **C GSM 2.14** **D GSM 2.14**				
56 480-93-180 (1)	Distribution line valves. 192.181(a) thru (c) **A GSM 2.14** **B GSM 2.14** **C GSM 2.14**	X			
57 480-93-180 (1)	Vaults: Structural design requirements 192.183 (a) thru (c) **A N/A** **B N/A** **C N/A**	X			
58 480-93-180 (1)	Vaults: Accessibility 192.185 (a) thru (c) **A N/A** **B N/A** **C N/A**	X			
59 480-93-180 (1)	Vaults: Sealing, venting, and ventilation. 192.187 (a) thru (c) **A N/A** **B N/A** **C N/A**	X			
60 480-93-180 (1)	Vaults: Drainage and waterproofing 192.189 (a) thru (c) **A N/A** **B N/A** **C N/A**	X			
61 480-93-180 (1)	Design pressure of plastic fittings 192.191 (a) & (b) **A GSM 2.13** **B GSM 2.13**	X			
62 480-93-180 (1)	Valve installation in plastic pipe. 192.193 **GSM 2.14 pg 4**	X			

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SUBPART D – DESIGN OF PIPELINE COMPONENTS		S	U	N/A	N/C
63 480-93-180 (1)	Protection against accidental over-pressuring 192.195 (a) & (b) A **GSM 2.23** B **GSM 2.23**	X			
64 480-93-180 (1)	Control of the pressure of gas delivered from high-pressure distribution systems. 192.197 (a) thru (c) A **N/A Avista does not use this type of regulator** B **2.23** C **2.23**	X			
65 480-93-180 (1)	Except for rupture discs, each pressure relief or pressure limiting device must: 192.199 (a) thru (h) A Not found - During inspection these were added to GSM 2.23 B Not found - During inspection these were added to GSM 2.23 C Not found - During inspection these were added to GSM 2.23 D Not found - During inspection these were added to GSM 2.23 **A-D were added and reviewed on 5/22/2007** E Page 1 of 2.23 F Page 1 of 2.23 G Page 1 of 2.23 H Page 3 of 2.23	X			
66 480-93-180 (1)	Required capacity of pressure relieving and limiting stations. 192.201(c) **N/A no low pressure**			X	
67 480-93-180(1)	Instrument, Control, and Sampling Pipe and Components 192.203(a) & (b) A Not a question. B 2.23	X			

Documentation Reviewed:

Document Title	Document/Section Number	Revision Date

Comments:

192.153 (a) thru (d) – not checked

192.163 thru .173 – no compression

192.175 and .177 – no bottle type holders

192.201(c) - no low pressure

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SUBPART E – WELDING OF STEEL IN PIPELINES WAC 480-93-080 – WELDER & PLASTIC JOINER IDENTIFICATION and QUALIFICATION		S	U	N/A	N/C
68 480-93-180(1)	Welding procedures must be qualified under **Section 5 of API 1104** (19th ed.1999, 10/31/01 errata) or **Section IX of ASME Boiler and Pressure Code** (2001 ed.) by destructive test. .225(a) **GSM 3.22**	X			
69 480-93-180(1)	Retention of welding procedure – details and test .225(b) **GSM 3.22**	X			
70 480-93-180(1)	Welders must be qualified by **Section 6 of API 1104** (19th ed.1999, 10/31/01 errata) or **Section IX of ASME Boiler and Pressure Code** (2001 ed.) See exception in .227(b). .227(a) **GSM 3.22**	X			
71 480-93-180(1)	Welders may be qualified under **section I of Appendix C** to weld on lines that operate at **< 20% SMYS.** .227(b) N/A no appendix C			X	
	Oxyacetylene welders may qualify under 49 CFR § 192 Appendix C, but may only weld the following size pipe: 480-93-080(1)(a) (eff 6/02/05)	S	U	N/A	N/C
72 480-93-180(1)	• Nominal **two-inch** or smaller branch connections to nominal **six-inch** or smaller main or service pipe. 480-93-080(1)(a)(i) **No appendix C**			X	
73 480-93-180(1)	• Nominal **two-inch** or smaller below ground butt welds 480-93-080(1)(a)(ii) **No appendix C**			X	
74 480-93-180(1)	• Nominal **four-inch** or smaller above ground manifold and meter piping operating at 10 psig or less. 480-93-080(1)(a)(iii) **No appendix C**			X	
75 480-93-180(1)	• Appendix C Welders re-qualified **2/Yr (7.5Months)** 480-93-080(1)(a)(iv) **No appendix C**			X	
76 480-93-180(1)	Use of testing equipment to record and document essential variables 480-93-080(1)(b) (eff 6/02/05) **GSM 3.22 page 10**	X			
77 480-93-180(1)	Qualified written welding procedures must be located on-site where welding is being performed 480-93-080(1)(d) **GSM 3.22 page 1**	X			
78 480-93-180(1)	Identification and qualification cards/certificates w/name of welder/joiner, their qualifications, date of qualification and operator whose qualification procedures were followed. 480-93-080(3) (eff 6/02/05) **GSM 3.22 page 4**	X			
79 480-93-180(1)	To weld on compressor station piping and components, a welder must successfully complete a destructive test .229(a) **N/A no compression**			X	
80 480-93-180(1)	Welder must have used welding process within the preceding **6 months** .229(b) **GSM 3.22 page 1**	X			
81 480-93-180(1)	A welder qualified under .227(a)… .229(c)				
82 480-93-180(1)	• May not weld on pipe that operates at ≥ 20% SMYS unless within the preceding 6 calendar months the welder has had one weld tested and found acceptable under the **sections 6 or 9 of API Standard 1104**; may maintain an ongoing qualification status by performing welds tested and found acceptable at least **twice per year,** not exceeding **7½ months**; may not requalify under an earlier referenced edition. .229(c)(1) **GSM 3.22 page 1**	X			
83 480-93-180(1)	• May not weld on pipe that operates at < 20% SMYS unless is tested in accordance with .229(c)(1) or re-qualifies under .229(d)(1) or (d)(2). .229(c)(2) **GSM 3.22 page 1**	X			
	Welders qualified under .227(b) may not weld unless: .229(d)	S	U	N/A	N/C
84 480-93-180(1)	• Re-qualified within **1 year/15 months,** or .229(d)(1) **No appendix C**			X	
85 480-93-180(1)	• Within **7½ months** but at least **twice per year** had a production weld pass a qualifying test .229(d)(2) **No appendix C**			X	
86 480-93-180(1)	Welding operation must be protected from weather .231 **GSM 3.22**	X			
87 480-93-180(1)	Miter joints (**consider pipe alignment**) .233 **GSM 3.22 not allowed**	X			
88 480-93-180(1)	Welding preparation and joint alignment .235 **GSM 3.22 page 6**	X			
89 480-93-180(1)	Visual inspection must be conducted by an individual qualified by appropriate training and experience to ensure: .241(a) thru (c) A **GSM 3.22** B **GSM 3.12** C **GSM 3.22 page 10**	X			

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90 480-93-180(1)	Nondestructive testing of welds must be performed by any process, other than trepanning, that clearly indicates defects that may affect the integrity of the weld .243 (a) thru (f) A Not allowed in 1104 Avista uses only 1104 B 1. need to refer to IM written procedures Reference was added and reviewed on 5/22/2007 2. **GSM 3.22** C **GSM 3.22** D **GSM 3.12** E **GSM 3.12** F **GSM 3.12 page 3**	X			
91 480-93-180(1)	Repair or removal of defects.245 (a) thru (c) A **GSM 3.12** B **GSM 3.22 page 7** C **GSM 3.22 not allowed**	X			
	• Sleeve Repair – low hydrogen rod **(Best Practices –ref. API 1104 App. B, In Service Welding) GSM 3.22**	X			

Documentation Reviewed:		
Document Title	**Document/Section Number**	**Revision Date**

Comments:

.227 and 480-93-080(1) are N/A due to no appendix C welders
.229 (a) – no compression
.229(d)(1) and (2) - no appendix C welders

SUBPART F - JOINING OF PIPELINE MATERIALS OTHER THAN BY WELDING WAC 480-93-080 – WELDER & PLASTIC JOINER IDENTIFICATION and QUALIFICATION		**S**	**U**	**N/A**	**N/C**
92 480-93-180(1)	Joining of plastic pipe .281 (a) thru (e) A **GSM 3.23 pg 6** B **N/A** C **GSM 3.23** D **N/A** E **3.16 GSM**	X			
93 480-93-180(1)	Qualified joining procedures for plastic pipe must be in place .283 (a) thru (d) A N/A B N/A C GSM 4.11 D N/A	X			
94	Persons making joints with plastic pipe must be qualified .285 (a) thru (d)	X			

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480-93-180(1)	A **GSM 3.23 pg 1** B **GSM 3.23** C **GSM 3.23** D **GSM 3.23**				
	Plastic pipe joiners re-qualified **1/Yr (15 Months)** 480-93-080 (2) (eff 6/02/05)				
95 480-93-180(1)	• Qualified written plastic joining procedures must be located on-site where plastic joining is being performed. 480-93-080(2)(a) **GSM 4.11**	X			
96 480-93-180(1)	• Plastic pipe joiners re-qualified if no production joints made during any 12 month period 480-93-080(2)(b) (eff 6/02/05) **GSM 3.23**	X			
97 480-93-180(1)	• Tracking production joints or re-qualify joiners **1/Yr (12Months)** 480-93-080(2)(c) (eff 6/02/05) **N/A because they do not allow a joiner to go past 12 months.**			X	
98 480-93-180(1)	Persons inspecting plastic joints must be qualified .287 **GSM 3.13**	X			

Documentation Reviewed:		
Document Title	**Document/Section Number**	**Revision Date**

Comments:

480-93-080(2)(c) – Avista elected to requalify not to exceed 12 months

SUBPART G – CONSTRUCTION REQUIREMENTS for TRANSMISSION LINES and MAINS		S	U	N/A	N/C
99 480-93-180(1)	Compliance with specifications or standards. 192.303 **Plastic 3.13, steel 3.12**	X			
100 480-93-180(1)	Inspection of each transmission line and main during construction 192.305 **Plastic 3.13, steel 3.12**	X			
101 480-93-180(1)	Inspection of materials 192.307 **Plastic 3.13, steel 3.12**	X			
102 480-93-180(1)	Repair of steel pipe 192.309 (a) thru (e) A **3.32** B **Table in 3.32** **B2 good** **B3 good** C **3.32** D **3.32 table not listed as a repair method** E **3.32** **Revised during inspection to comply**	X			
103 480-93-180(1)	Repair of plastic pipe. 192.311 **3.33 page 1**	X			
104 480-93-180(1)	Bends and elbows. 192.313 (a) thru (c) A **3.12** B **Not allowed** C **3.12**	X			
105 480-93-180(1)	Wrinkle bends in steel pipe. 192.315 (a) & (b) A **3.12 not allowed**			X	

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	B3.12 not allowed				
106 480-93-180(1)	Protection from hazards 192.317 (a) thru (c) A **3.12** B **3.12** C N/A	X			
107 480-93-180(1)	Installation of Pipe in a ditch 192.319 (a) thru (c) A **3.12** B **3.15** C N/A	X			
108 480-93-180(1)	Installation of plastic pipe. 192.321 (a) thru (h) A **3.13** B N/A no vaults C **3.13** D **2.13** E **3.13** F **3.42** G **3.13** H **3.13**	X			
	480-93-178 WAC PROTECTION OF PLASTIC PIPE	**S**	**U**	**N/A**	**N/C**
109 480-93-180(1)	Procedures for the storage, handling, and installation of plastic pipelines in accordance with the latest applicable manufacturer's recommended practices. 480-93-178(1) eff 6/02/06) **3.13**	X			
110 480-93-180(1)	Stated acceptable time limit for maximum cumulative ultraviolet light exposure 480-93-178 (2) eff 6/02/06) **3.13**	X			
111 480-93-180(1)	Separation requirements when installing plastic pipelines parallel to other underground utilities 480-93-178 (4) eff 6/02/06) **3.15**	X			
112 480-93-180(1)	Separation requirements when installing plastic pipelines perpendicular to other underground utilities 480-93-178 (5) eff 6/02/06) **3.15 more stringent**				
113 480-93-180(1)	Casings 192.323 (a) thru (d) A **3.42** B **3.42** C **3.42** D **3.42**	X			
114 480-93-180(1)	Casing of pipelines. 480-93-115 (1) thru (4) 1 **3.42** 2 **3.42** 3 **3.42** 4 **3.16**	X			
115 480-93-180(1)	Underground clearance. 192.325 (a) thru (d). A **3.15** B **3.15** C **3.15** D N/A	X			
116 480-93-180(1)	Cover. 192.327 (a) thru (g) A **3.15** B **3.15** C **3.15** D **3.15** E **3.15** F N/A G N/A	X			

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Comments:

192.315 (a) & (b) – no wrinkle bends allowed

SUBPART H - CUSTOMER METERS, SERVICE REGULATORS, and SERVICE LINES						
		S	U	N/A	N/C	
117 480-93-180 (1)	Meters and service regulators installed at locations as prescribed under 192.353 (a) thru (d) A **2.22** B **2.22** C **2.22** D **2.22**	X				
118 480-93-180 (1)	Service regulator vents and relief vents installed and protected from damage. Vaults housing meters and regulators protected from loading due to vehicular traffic. 192.355 (a) thru (c) A **Service Handbook section 6** B **2.22 page 5 several meters were found that have vents installed horizontally instead of vertically get photos to Linda** C **2.22**	X				
119 480-93-180 (1)	Meters and regulators installed to minimize stresses and insure that potential releases vent to outside atmosphere. 192.357 (a) thru (d) A **2.2** B **2.12** C **2.12** D **2.2**	X				
480-93-140 WAC SERVICE REGULATORS		S	U	N/A	N/C	
120 480-93-180 (1)	Procedures for installing, operating, and maintaining service regulators in accordance with federal and state regulations, and manufacturer's recommended installation and maintenance practices. 480-93-140(1) (eff 6/02/05) **Service Handbook section 6**	X				
121 480-93-180 (1)	Procedures for inspecting and testing service regulators and associated safety devices during the initial turn-on, and when a customer experiences a pressure problem. Testing must include….. 480-93-140(2) (eff 6/02/05) **Service Handbook section 6**	X				
122 480-93-180 (1)	Minimum service line installation requirements as prescribed under 192.361 (a) thru (g) A **3.15** B **3.15** C **3.15 not applicable** D **3.15** E **3.16** F **3.16** G **3.13**	X				
123 480-93-180 (1)	Location of service-line valves as prescribed under **192.365 (a) thru (c)** A **2.14** B **2.14** C **2.14**	X				

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124 480-93-180 (1)	General requirements for locations of service-line connections to mains and use of compression fittings 192.367 (a) thru (b)(2) **3.16 for (a), 3.16 for b1 and 2**	X				
125 480-93-180 (1)	Connections of service lines to cast iron or ductile iron mains. 192.369 (a) thru (b) A **N/A** B **N/A**			X		
126 480-93-180 (1)	Provisions for new service lines not in use 192.379 (a) thru (c) A **3.16** B **3.16** C **3.16**	X				
127 480-93-180 (1)	**Excess flow valve performance standards 192.381 (a) thru (e)** **A Repeat of 20** **B Repeat of 20** **C Repeat of 20** **D Repeat of 20** **E Repeat of 20**	X				
128 480-93-180 (1)	Excess flow valve customer notification. 192.383 (a) thru (f) A **4.21** B **4.23** C **4.23** D **4.23** E **4.23** F **4.23**	X				

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Comments:

192.369 (a) thru (b) – no cast iron

[redacted]		S	U	N/A	N/C
129 480-93-180(1)	Corrosion procedures established for the Design, Operations, Installation & Maintenance of CP systems, carried out by, or under the direction of, a person qualified in pipeline corrosion control methods .453 GSM 2.32	X			
130 480-93-180(1)	For pipelines installed **after July 31, 1971**, buried segments must be externally coated and .455 (a) cathodically protected within **one year** after construction (see exceptions in code) .455 (b) GSM 2.32	X			

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[redacted]		S	U	N/A	N/C
131 480-93-180(1)	Aluminum may not be installed in a buried or submerged pipeline if exposed to an environment with a natural **pH in excess of 8** (see exceptions in code) .455 (c) N/A			X	
132 480-93-180(1)	All effectively coated steel transmission pipelines installed prior to **August 1, 1971**, must be cathodically protected .457 (a) GSM 2.32	X			
133 480-93-180(1)	If installed **before August 1, 1971**, cathodic protection must be provided in areas of active corrosion for: bare or ineffectively coated transmission lines, and bare or coated c/s, regulator sta., meter sta. piping, and (except for cast iron or ductile iron) bare or coated distribution lines. .457 (b) GSM 2.32 all pipe is protected	X			
134 480-93-180(1)	Written procedures explaining how cathodic protection related surveys, reads, and tests will be conducted. 480-93-110(4) (eff 6/02/05) GSM 5.14	X			
135 480-93-180(1)	Examination of buried pipeline when exposed: if corrosion is found, further investigation is required .459 GSM 5.14 page 5	X			
136 480-93-180(1)	Recording the condition of all underground metallic facilities each time the facilities are exposed. 480-93-110(6) (eff 6/02/05) GSM 5.14	X			
137 480-93-180(1)	CP test reading on all exposed facilities where coating has been removed 480-93-110(8) (eff 6/02/05) GSM 5.14 Page 5 says repaired, should change to removed.	X			
138 480-93-180(1)	Procedures must address the protective coating requirements of the regulations. External coating on the steel pipe must meet the requirements of this part. .461 **GSM 2.32 page 5 has a general statement that they will meet .461. Should they list this out?** **This was added and reviewed on 5/22/2007**	S	U	N/A	N/C
139 480-93-180(1)	Cathodic protection level according to **Appendix D** criteria .463 GSM 5.14 page 1 **Does not list the maximum level of CP. They are using -1.2v off.**	X			
140 480-93-180(1)	Pipe-to-soil monitoring (**1 per yr/15 months**) .465(a) GSM 5.14 page 7	X			
141 480-93-180(1)	Rectifier monitoring (**6 per yr/2½ months**) .465(b) GSM 5.14 page 7	X			
142 480-93-180(1)	Interference bond monitoring (**as required**) .465(c) GSM 5.14 page 7	X			
143 480-93-180(1)	Remedial action taken within 90 days (Up to 30 additional days if other circumstances. Must document) 480-93-110(2) (eff 6/02/05) GSM 5.14 page 7	X			
144 480-93-180(1)	Electrical surveys (closely spaced pipe to soil) on bare/unprotected lines, cathodically protect active corrosion areas (**1 per 3 years/39 months**) .465(e) GSM 5.14 page 7	X			
145 480-93-180(1)	Sufficient test stations to determine CP adequacy .469 Not found During inspection this was added to 5.14	X			
146 480-93-180(1)	Test lead maintenance .471 GSM 2.32	X			
147 480-93-180(1)	Interference currents .473 GSM 2.32	X			
148 480-93-180(1)	Proper procedures for transporting corrosive gas? .475(a) N/A			X	
149 480-93-180	Written program to monitor for indications of internal corrosion. The program must also have remedial action requirements for areas where internal corrosion is detected. 480-93-110(7) (eff 6/02/05) GSM 5.14	X			
150 480-93-180(1)	Removed pipe must be inspected for internal corrosion. If found, the adjacent pipe must be inspected to determine extent. Certain pipe must be replaced. Steps must be taken to minimize internal corrosion. .475(b) GSM 5.14	X			

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	[redacted]	S	U	N/A	N/C
151 480-93-180(1)	Internal corrosion control coupon (or other suit. Means) monitoring **(2 per yr/7½ months)** .477 **N/A**			X	
152 480-93-180(1)	Each exposed pipe must be cleaned and coated (see exceptions under **.479(c)**) .479(a) GSM 5.14 page 5	X			
153 480-93-180(1)	Offshore splash zones and soil-to-air interfaces must be coated N/A			X	
154 480-93-180(1)	• Coating material must be suitable .479(b) GSM 5.14 page 7	X			
155 480-93-180(1)	Coating is not required where operator has proven that corrosion will: .479(c) all pipe is coated			X	
156 480-93-180(1)	1. Only be a light surface oxide, or .479(c)(1) all pipe is coated			X	
157 480-93-180(1)	2. Not affect safe operation before next scheduled inspection .479(c)(2) all pipe is coated			X	
158 480-93-180(1)	Written atmospheric corrosion control monitoring program. The program must have time frames for completing remedial action. 480-93-110(9) (eff 6/02/05)	X			
159 480-93-180(1)	Atmospheric corrosion control monitoring **(1 per 3 yrs/39 months onshore; 1 per yr/15 months offshore)** .481(a) **GSM 5.14 page 6**	X			
160 480-93-180(1)	Special attention required at soil/air interfaces, thermal insulation, under dis-bonded coating, pipe supports, splash zones, deck penetrations, spans over water .481(b) **GSM 5.14**	X			
161 480-93-180(1)	Protection must be provided if atmospheric corrosion is found **(per §192.479)** .481(c) **GSM 5.14**	X			
162 480-93-180(1)	Replacement and required pipe must be coated and cathodically protected (see code for exceptions) .483 **All pipe is coated**	X			
163 480-93-180(1)	Procedures to replace pipe or reduce the **MAOP** if general corrosion has reduced the wall thickness? .485(a) **GSM 3.32**	X			
164 480-93-180(1)	Procedures to replace/repair pipe or reduce **MAOP** if localized corrosion has reduced wall thickness (unless reliable engineering repair method exists)? .485(b) **GSM 3.32**	X			
165 480-93-180(1)	Procedures to use **Rstreng** or **B-31G** to determine remaining wall strength? .485(c) **GSM 3.32 page 4**	X			
166 480-93-180(1)	Remedial measures (distribution lines other than cast iron or ductile iron) .487 **GSM 3.32**	X			
167 480-93-180(1)	Remedial measures (cast iron and ductile iron pipelines) .489 **No cast or ductile iron**			X	
168 480-93-180(1)	Records retained for <u>each</u> cathodic protection test, survey, or inspection required by 49 CFR Subpart I, and chapter 480-93 WAC. 480-93-110 (eff 6/02/05) **GSM 5.14**	X			
169 480-93-180(1)	Corrosion control maps and record retention **(pipeline service life or 5 yrs)** .491 **GSM 5.14**	X			
	WAC 480-93-110 **Corrosion Requirements**	S	U	N/A	N/C
170 480-93-180(1)	Casings inspected/tested annually not to exceed **fifteen months** 480-93-110(5) (eff 6/02/05) **GSM 5.14 page 7**	X			
171 480-93-180(1)	Casings w/no test leads installed prior to 9/05/1992. Demonstrate other acceptable test methods 480-93-110(5)(a) (eff 6/02/05) **GSM 5.14 page 11**	X			
172 480-93-180(1)	Possible shorted conditions – Perform confirmatory follow-up inspection within **90** days 480-93-110(5)(b) (eff 6/02/05) **GSM 5.14**	X			
173 480-93-180(1)	Casing shorts cleared when practical 480-93-110(5)(c) (eff 6/02/05) **GSM 5.14**	X			

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[redacted]		S	U	N/A	N/C
174 480-93-180(1)	Shorted conditions leak surveyed within 90 days of discovery. **Twice annually/7.5 months** 480-93-110(5)(d) (eff 6/02/05) **GSM 5.14**	X			
175 480-93-180(1)	CP Test Equipment and Instruments checked for accuracy/intervals (Mfct Rec or Opr Sched) 480-93-110(3) (eff 6/02/05) **GSM 5.14**	X			

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Comments:

.455 (c) – no aluminum
.475(a) – no corrosive gas per chromatograph
.477 – no coupons
.479(a) – no offshore splash zones
.479(c)(1) & (2) – all pipe is coated
.489 – no cast or ductile iron

SUBPART J – TEST REQUIREMENTS		S	U	N/A	N/C
176 480-93-180(1)	Procedures to ensure that the provisions found under 192.503(a) thru (d) for new segments of pipeline, or Return to Service segments of pipeline which have been relocated or replaced are met. **3.18**	X			
177 480-93-180(1)	Strength test requirements for steel pipeline to operate at a hoop stress of 30 percent or more of SMYS. 192.505 (a) thru (e) A **3.18** B **3.18** C **Chart in 3.18** D **2.12** E **3.18**	X			
178 480-93-180(1)	Test requirements for pipelines to operate at a hoop stress less than 30 percent of SMYS and at or above 100 psig. 192.507 (a) thru (c) A **3.18** B **3.18** C **3.18**	X			
179	Test requirements for pipelines to operate below 100 psig. 192.509 (a) & (b)	X			

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480-93-180(1)	A **3.18** B **3.18**				
180 480-93-180(1)	Test requirements for service lines. 192.511 (a) thru (c) A **3.18** B **3.18** C **3.18**	X			
181 480-93-180(1)	Test requirements for plastic pipelines. 192.513 (a) thru (d) A **3.18** B **3.18** C **3.18** D Not found this is the 100 degree temp limit when pressure testing **Added and reviewed on 5/22/2007**	X			
182 480-93-180(1)	Environmental protection and safety requirements. 192.515 (a) & (b) A **3.18** B **3.18**	X			
183 480-93-180(1)	Records 192.517 Refer also to 480-93-170 (7) (a-h) below A **3.18** B **3.18** C **3.18** D **3.18** E **3.18** F **3.18** G **3.18** H **3.18**	X			

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Comments:

WAC 480-93-170 PRESSURE TEST PROCEDURES		S	U	N/A	N/C
184 480-93-180(1)	Notification in writing, to the commission, at least two business days prior to any pressure test of a gas pipeline that will have a MAOP that produces a hoop stress of twenty percent or more of the SMYS 480-93-170(1) (eff 6/02/05) **3.18**	X			
185 480-93-180(1)	• In Class 3 or Class 4 locations, as defined in 49 CFR § 192.5, or within one hundred yards of a building, must be at least eight hours in duration. 480-93-170(1)(a) **3.18**	X			
186 480-93-180(1)	• When the test medium is to be a gas or compressible fluid, each operator must notify the appropriate public officials so that adequate public protection can be provided for during the test. 480-93-170(1)(b) **3.18**	X			
187 480-93-180(1)	• In an emergency situation where it is necessary to maintain continuity of service, the requirements of subsection (1) of this section and subsection (1)(a) may be waived by notifying the commission by telephone prior to performing the test. 480-93-170(1)(c) **3.18**	X			

188 480-93-180(1)	Minimum test pressure for any steel service line or main, must be determined by multiplying the intended MAOP by a factor determined in accordance with the table located in 49 CFR § 192.619 (a)(2)(ii). 480-93-170(2) **3.18**	X			
189 480-93-180(1)	Re-testing of service lines broken, pulled, or damaged, resulting in the interruption of gas supply to the customer, must be pressure tested from the point of damage to the service termination valve prior to being placed back into service. 480-93-170(4) **3.18**	X			
190 480-93-180(1)	Maintain records of all pressure tests performed for the life of the pipeline and document information as listed under 480-93-170(7) (a-h). **3.18**	X			
191 480-93-180(1)	Maintain records of each test where multiple pressure tests are performed on a single installation. 480-93-170(9) **3.18**	X			
192 480-93-180(1)	Pressure testing equipment must be maintained, tested for accuracy, or calibrated, in accordance with the manufacturer's recommendations.480-93-170(10) **5.21**	X			
193 480-93-180(1)	• When there are no manufacturer's recommendations, then tested at an appropriate schedule determined by the operator.	X			
194 480-93-180(1)	• Test equipment must be tagged with the calibration or accuracy check expiration date.	X			

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Comments:

SUBPART K - UPRATING						
	Provisions for meeting the minimum requirements for increasing maximum allowable operating pressure (uprating) for pipelines.	S	U	N/A	N/C
195 480-93-180(1)	General requirements. 192.553 (a) thru (d) **4.17**	X			
196 480-93-180(1)	Uprating to a pressure that will produce a hoop stress of **30 % or more** of SMYS in steel pipelines. 192.555 (a) thru (e) **a-good, b-good, c-good, d-good, e-good**	X			
197 480-93-180(1)	Uprating: Steel pipelines to a pressure that will produce a hoop stress **less than 30 %** of SMYS: (plastic, iron, and ductile iron pipelines.) 192.557 (a) thru (d)	X			
WAC 480-93-155 UPRATING					
198 480-93-180(1)	Notification of uprate and submission of written plan 480-93-155 (1) **4.17**	X			

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SUBPART K - UPRATING					
199 480-93-180(1)	Content of written plan… 480-93-155 (1) (a) thru (j) **4.17**	X			
200 480-93-180(1)	Uprates must be based on a previous or current pressure test that will substantiate the intended MAOP. 480-93-155 (2) **4.17**	X			

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Comments:

SUBPART L - OPERATIONS		S	U	N/A	N/C
201 192.605(a)	Procedural Manual Review – Operations and Maintenance **(1 per yr/15 months)** 192.605(a) **4.11**	X			
202 192.605(a)	Availability of construction records, maps, operating history to operating personnel 192.605(b)(3) **4.11**	X			
203 192.605(a)	Start up and shut down of the pipeline to assure operation within **MAOP** plus allowable buildup 192.605(b)(5) **5.12**	X			
204 192.605(a)	Periodic review of personnel work – effectiveness of normal O&M procedures 192.605(b)(8) **4.11**	X			
205 192.605(a)	Taking adequate precautions in excavated trenches to protect personnel from the hazards of unsafe accumulations of vapors or gas, and making available when needed at the excavation, emergency rescue equipment, including a breathing apparatus and a rescue harness and line 192.605(b)(9) **Safe practices manual section 10.15**	X			
206 192.605(a)	Routine inspection and testing of pipe-type or bottle-type holders 192.605(b)(10) **None**			X	
207 192.605(a)	Responding promptly to a report of a gas odor inside or near a building, unless the operator's emergency procedures under §192.615(a) (3) specifically apply to these reports. 192.605(b)(11)			X	

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Comments:

192.605(b)(10) – no bottle type holders
192.605(b)(11) – not applicable

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SUBPART L – OPERATIONS ABNORMAL OPERATING PROCEDURES – TRANSMISSION LINES					
	Procedures for responding to, investigating, and correcting the cause of: 192.605(c)(1)	S	U	N/A	N/C
208 192.605(a)	• Unintended closure of valves or shut downs 192.605(c)(1)(i)			X	
209 192.605(a)	• Increase or decrease in pressure or flow rate outside of normal operating limits 192.605(c)(1)(ii)			X	
210 192.605(a)	• Loss of communications 192.605(c)(1)(iii)			X	
211 192.605(a)	• The operation of any safety device 192.605(c)(1)(iv)			X	
212 192.605(a)	• Malfunction of a component, deviation from normal operations or personnel error 192.605(c)(1)(v)			X	
213 192.605(a)	Checking variations from normal operation after abnormal operations ended at sufficient critical locations 192.605(c)(2)			X	
214 192.605(a)	Notifying the responsible operating personnel when notice of an abnormal operation is received 192.605(c)(3)			X	
215 192.605(a)	Periodic review of personnel work – effectiveness of abnormal operation procedures 192.605(c)(4)			X	

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Comments:

SUBPART – L CHANGE in CLASS LOCATION PROCEDURES		S	U	N/A	N/C
216 192.605(a)	Class location study 192.609 **4.16 but doesn't apply nothing over 40%**			X	
217 192.605(a)	Confirmation or revision of MAOP 192.611 **4.16 but nothing operating at high enough stress levels**			X	

SUBPART – L CONTINUING SURVEILLANCE PROCEDURES		S	U	N/A	N/C
218 192.613	Procedures for surveillance and required actions relating to change in class location, failures, leakage history, corrosion, substantial changes in CP requirements, and unusual operating and maintenance conditions 192.613(a) **4.11 page 1**	X			

219 192.613	Procedures requiring **MAOP** to be reduced, or other actions to be taken, if a segment of pipeline is in unsatisfactory condition 192.613(b) **4.11**	X			

SUBPART – L DAMAGE PREVENTION PROGRAM PROCEDURES		S	U	N/A	N/C
220 192.605(a)	Participation in a qualified one-call program, or if available, a company program that complies with the following: **Spokane member #3677**	X			
221 192.605(a)	Identify persons who engage in excavating .614(c)(1) **4.13**	X			
222 192.605(a)	Provide notification to the public in the One Call area .614(c) (2) **4.13**	X			
223 192.605(a)	Provide means for receiving and recording notifications of pending excavations .614(c) (3) **4.13**	X			
224 192.605(a)	Provide notification of pending excavations to the members .614(c) (4) **4.13**	X			
225 192.605(a)	Provide means of temporary marking for the pipeline in the vicinity of the excavations .614(c) (5) **4.13**	X			
226 192.605(a)	Provides for follow-up inspection of the pipeline where there is reason to believe the pipeline could be damaged .614(c) (6) **4.13**	X			
227 192.605(a)	Inspection must be done to verify integrity of the pipeline .614(c)(6)(i) **4.13**	X			
228 192.605(a)	After blasting, a leak survey must be conducted as part of the inspection by the operator .614(c)(6)(ii) **4.13**	X			

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Comments:

.605 thru .611 – all not applicable

SUBPART – L EMERGENCY PROCEDURES		S	U	N/A	N/C
229 192.615	Receiving, identifying, and classifying notices of events which require immediate response by the operator .615(a)(1) **GESH section 1**	X			
230 192.615	Establish and maintain communication with appropriate public officials regarding possible emergency .615(a)(2) **GESH Reviewed list of Public Officials in Avista's territory**	X			
231 192.615	Prompt response to each of the following emergencies: .615(a)(3) **GESH section 1**	X			
232 192.615	(i) Gas detected inside a building **GESH section 1**	X			
233 192.615	(ii) Fire located near a pipeline **GESH section 1**	X			
234 192.615	(iii) Explosion near a pipeline **GESH section 1**	X			
235 192.615	(iv) Natural disaster **GESH section 1**	X			

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S – Satisfactory U – Unsatisfactory N/A – Not Applicable N/C – Not Checked

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236 192.615	Availability of personnel, equipment, instruments, tools, and material required at the scene of an emergency .615(a)(4) **GESH EOP section refers to section 4 for tools etc.**	X			
237 192.615	Actions directed towards protecting people first, then property .615(a)(5) **GESH EOP and Dispatch**	X			
238 192.615	Emergency shutdown or pressure reduction to minimize hazards to life or property .615(a)(6)	X			
239 192.615	Making safe any actual or potential hazard to life or property .615(a)(7) **GESH section 4**	X			
240 192.615	Notifying appropriate public officials required at the emergency scene and coordinating planned and actual responses with these officials .615(a)(8) **GESH section 1 page 3 and 4**	X			
241 192.615	Instructions for restoring service outages after the emergency has been rendered safe .615(a)(9) **GESH section 5**	X			
242 192.615	Investigating accidents and failures as soon as possible after the emergency .615(a)(10) **GESH EOP section page 3 This answers 249 by reference to .617**	X			
243 192.615	Furnishing applicable portions of the emergency plan to supervisory personnel who are responsible for emergency action .615(b)(1) **GSM 4.11**	X			
244 192.615	Training appropriate employees as to the requirements of the emergency plan and verifying effectiveness of training .615(b)(2)	X			
245 192.615	Reviewing activities following emergencies to determine if the procedures were effective .615(b)(3) **GESH EOP page 3**	X			
246 192.615	Establish and maintain liaison with appropriate public officials, such that both the operator and public officials are aware of each other's resources and capabilities in dealing with gas emergencies .615(c) **Public Awareness Program and EOP training is offered annually to public officials**	X			

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Comments:

SUBPART – L PUBLIC AWARENESS PROCEDURES		S	U	N/A	N/C
247 192.605(a)	Public Awareness Program in accordance with API RP 1162 [HQ clearinghouse review after June 20, 2006] Amdt 192-99 pub. 5/19/05, eff. 06/20/05 .616(a)	X			
248 192.605(a)	The program conducted in English and in other languages commonly understood by a significant number and concentration of the non-English speaking population in the operator's area. .616(g)	X			

SUBPART – L FAILURE INVESTIGATION PROCEDURES		S	U	N/A	N/C
249 192.617	Analyzing accidents and failures including laboratory analysis where appropriate to determine cause and prevention of recurrence .617 **answered by 242 by reference**	X			

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Comments:

	SUBPART – L MAOP PROCEDURES	S	U	N/A	N/C
250 192.605(a)	Establishing **MAOP** so that it is commensurate with the class location .619 **GSM 4.15** **Is this a repeat?**	X			
251 192.605(a)	**MAOP** can be determined by:				
252 192.605(a)	• Design and test or ; .619(a) **GSM 4.15**	X			
253 192.605(a)	• By highest operating pressure to which the segment of line was subjected between **July 1, 1965** and **July 1, 1970.** In case of offshore gathering lines, for the **5 years** preceding **July 1, 1976** .609(b) **GSM 4.15**	X			
254 192.605(a)	MAOP - High Pressure Distribution Systems .621 **GESH section 1**	X			
255 192.605(a)	Max./Min. Allowable Operating Pressure - Low Pressure Distribution Systems .623 **No low pressure**			X	

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Comments:

.623 – no low pressure

	WAC 480-93-015 ODORIZATION PROCEDURES	S	U	N/A	N/C
256 480-93-180(1)	Odorization of gas at the proper concentration in air 480-93-015 (1) **GSM 4.18**	X			
257 480-93-180(1)	Use of odorant testing instrumentation/Monthly testing interval 480-93-015 (2) (eff 6/02/05) **GSM 4.18**	X			
258 480-93-180(1)	Odorant Testing Equipment Calibration/Intervals (Annually or Manufacturers Recommendation) 480-93-015 (3) (eff 6/02/05) **GSM 4.18**	X			
259 480-93-180(1)	Records maintained for usage, odorant tests performed and equipment calibration **(5yrs)** 480-93-015(4) (eff 6/02/05) **GSM 4.18**	X			

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Comments:

SUBPART – L TAPPING PIPELINES UNDER PRESSURE PROCEDURES		S	U	N/A	N/C
260 480-93-180(1)	Hot taps must be made by a qualified crew **NDT** testing is suggested prior to tapping the pipe. Reference API RP 2201 for **Best Practices**. .627 **GSM 3.32**	X			

SUBPART – L PIPELINE PURGING PROCEDURES		S	U	N/A	N/C
261 480-93-180(1)	Purging of pipelines must be done to prevent entrapment of an explosive mixture in the pipeline .629 **GSM 3.17**	X			
262 480-93-180(1)	(a) Lines containing air must be properly purged. **GSM 3.17 Contractors do not have CGI's procedure 3.17 page 5 states CGI's should be used.**		X		
263 480-93-180(1)	(b) Lines containing gas must be properly purged **GSM 3.17 Contractors do not have CGI's procedure 3.17 page 5 states CGI's should be used.**		X		

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Comments:

480-93-180(1) - Contractors do not have CGI's procedure 3.17 page 5 states CGI's should be used. Written as violation.

SUBPART – M MAINTENANCE PROCEDURES		S	U	N/A	N/C
264 480-93-180(1)	Each segment of pipeline that becomes unsafe must be replaced, repaired, or removed from Service .703(b) **GSM 3.32 and 3.33**	X			
265 480-93-180(1)	Hazardous leaks must be repaired promptly .703(c) **GSM 5.11**	X			

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Comments:

SUBPART - M TRANSMISSION LINES - PATROLLING & LEAKAGE SURVEY PROCEDURES		S	U	N/A	N/C
266 192.605(b)	Patrolling ROW conditions .705(a) **GSM 5.15**	X			
267 192.605(b)	Maximum interval between patrols of lines: .705 (b)				
268 192.605(b)	**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)**	X			
269 192.605(b)	Leakage surveys – **1 year/15 months** .706 **GSM 5.11**	X			
270 192.605(b)	Leak **detector equipment** survey requirements for lines transporting un-odorized gas			X	
271 192.605(b)	(a) **Class 3** locations - **7½ months** but at least **twice each calendar year**			X	
272 192.605(b)	(b) **Class 4** locations - **4½ months** but at least **4 times each calendar year**			X	

WAC 480-93-185 GAS LEAK INVESTIGATION		S	U	N/A	N/C
	Procedures for the prompt investigation of any notification of a leak, explosion, or fire, which may involve gas pipelines or other gas facilities.				
273 480-93-180(1)	• received from any outside source such as a police or fire department, other utility, contractor, customer, or the general public 480-93-185(1) **GESH section 1 and 2**	X			
274 480-93-180(1)	• Grade leak in accordance with WAC 480-93-186, and take appropriate action 480-93-185(1) **Need to change GESH section 2 and GSM 5.11 grading criteria to reflect verbage changes for grade 1 and 2 leaks. Change from "would likely" to "could potentially".** **Change was made and reviewed on 5/22/2007**	X			
275 480-93-180(1)	• retain the leak investigation record for the life of the pipeline. 480-93-185(1) **GSM 5.11 page 15 and 16**	X			
276 480-93-180(1)	Prevent removal of any suspected gas facility until the commission or the lead investigative authority has designated the release of the gas facility and keep the facility intact until directed by the lead investigative authority 480-93-185(2) **GESH section 17**	X			
277 480-93-180(1)	Taking appropriate action when leak indications originating from a foreign source. Notification requirements. 480-93-185(3) **GESH section 2 page 10**	X			

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WAC 480-93-186 LEAK EVALUATION		S	U	N/A	N/C
278 480-93-180(1)	Grade leaks as defined in WAC 480-93-18601 to establish the leak repair priority. 480-93-186(1) **See 274 above**	X			
279 480-93-180(1)	procedure for evaluating the concentration and extent of gas leakage 480-93-186(2) **GSM 5.11 and GESH**	X			
280 480-93-180(1)	Use of a combustible gas indicator to check the perimeter of a leak area. Follow-up inspection on repaired leaks no later than thirty days following repair. 480-93-186(3) **GSM 5.11 and GESH section 2**	X			
281 480-93-180(1)	Grade 1 and 2 leaks downgraded once to Grade 3 leak without a physical repair. After downgrade, repair must be made not to exceed twenty-one months 480-93-186(4) **GSM 5.11 and GESH section 2**	X			

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Comments:

192.605(b) – no unodorized lines in this area

WAC480-93187 GAS LEAK RECORDS		S	U	N/A	N/C
	Gas leak records must contain, at a minimum, the criteria outlined in 480-93-187 (1-13)				
282 480-93-180(1)	1) Date and time the leak was detected, investigated, reported, and repaired, and the name of the employee(s) conducting the investigation; (2) Location of the leak (sufficiently described to allow ready location by other qualified personnel); (3) Leak grade; (4) Pipeline classification (e.g., distribution, transmission, service); (5) If reported by an outside party, the name and address of the reporting party; (6) Component that leaked (e.g., pipe, tee, flange, valve); (7) Size and material that leaked (e.g., steel, plastic, cast iron); (8) Pipe condition; (9) Type of repair; (10) Leak cause; (11) Date pipe installed (if known); (12) Magnitude and location of CGI readings left; and (13) Unique identification numbers (such as serial numbers) of leak detection equipment.	X			

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Comments:

WAC 480-93-188 GAS LEAK SURVEYS		S	U	N/A	N/C
283 480-93-180(1)	gas leak surveys using a gas detection instrument covering areas listed in 480-93-188(1)(a-e) GSM 5.11	X			
284 480-93-180(1)	Gas detection instruments tested for accuracy/intervals (Mfct rec or monthly not to exceed 45 days) 480-93-188(2) eff 6/2/05 **GSM 5.11**	X			
285 480-93-180(1)	Surveys conducted according to the minimum frequencies outlined under 480-93-188(3)(a-d) A **GSM 5.11** B **GSM 5.11** C **GSM 5.11** D **GSM 5.11**	X			
286 480-93-180(1)	Surveys conducted under the following circumstances outlined under 480-93-188(4)(a-e) A **GSM 5.11** B **GSM 5.11** C **GSM 5.11** D **GSM 5.11** E **GSM 5.11 page 10**	X			
287 480-93-180(1)	Survey records must be kept for a minimum of five years and contain information required under 480-93-188(5)(a-f) A **GSM 5.11** B **GSM 5.11** C **GSM 5.11** D **GSM 5.11** E **GSM 5.11** F **GSM 5.11**	X			
288 480-93-180(1)	Self audits as necessary, but not to exceed three years between audits and meet the criteria outlined under 480-93-188(6)(a-e) A **GSM 5.11** B **GSM 5.11** C **GSM 5.11** D **GSM 5.11** E **GSM 5.11**	X			
289 480-93-180(1)	Must fully implement subsection (3)(a) of this section no later than 6/01/07. 480-93-188(7)	X			

SUBPART - M TRANSMISSION LINES - SYSTEM PATROLLING & LEAKAGE SURVEY PROCEDURES		S	U	N/A	N/C
290 192.605(b)	Transmission lines: Patrolling. 192.705 (a) thru (c) A **Is this a repeat of 266?** B **Is this a repeat of 266?** C **Is this a repeat of 266?**	X			
291 192.605(b)	Transmission lines: Leakage surveys. 192.706 (a) & (b) A **Is this a repeat of 266?** B **Is this a repeat of 266?**	X			

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Comments:

PIPELINE MARKERS PROCEDURES		S	U	N/A	N/C
292 480-93-180(1)	Placement of markers - railroad, road, irrigation and drainage ditch crossings… 480-93-124 (1) (eff 6/02/05) **GSM 5.15**	X			
293 480-93-180(1)	Placement of markers - Separation/Other locations… 480-93-124 (2) (eff 6/02/05) & 192.707 **GSM 5.15**	X			
294 480-93-180(1)	Installed at each end of bridges or other spans / Inspected **1/YR (15 Months)** 480-93-124 (3) **GSM 5.15**	X			
295 480-93-180(1)	Markers reported missing or damaged replaced within **45 days?** 480-93-124(4) (eff 6/02/05) **GSM 5.15**	X			
296 480-93-180(1)	Surveys of pipeline markers – Not to exceed **5/YR** Records 10/Yrs minimum 480-93-124(5) (eff 6/02/05) **GSM 5.15**	X			
297 480-93-180(1)	Maintain maps, drawings or other records indicating class locations and other areas where pipeline markers are required 480-93-124(6) (eff 6/02/05) **GSM 5.15**	X			

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Comments:

SUBPART - M TRANSMISSION RECORD KEEPING PROCEDURES		S	U	N/A	N/C
298 192.605 (b)	Records must be maintained… **.709 GSM 3.32 all records for the life of the pipeline**	X			
299 192.605 (b)	(a) Repairs to the pipe – **life of system 709 GSM 3.32**	X			
300 192.605 (b)	(b) Repairs to "other than pipe" – **5 years 709 GSM 3.32**	X			
301 192.605 (b)	(c) Operation (Sub L) and Maintenance (Sub M) patrols, surveys, tests – **5 years** or until next one **709 GSM 3.32**	X			

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	SUBPART - M TRANSMISSION LINE FIELD REPAIR PROCEDURES	S	U	N/A	N/C
	Imperfections and Damages				
302 192.605 (b)	Repairs of imperfections and damages on pipelines operating above **40% SMYS** **Is this a repeat?**				
303 192.605 (b)	• Cut out a cylindrical piece of pipe and replace with pipe of ≥ design strength .713(a)(1) **GSM 3.32**	X			
304 192.605 (b)	• Use of a reliable engineering method .713(a)(2) **GSM 3.32**	X			
305 192.605 (b)	Reduce operating pressure to a safe level during the repair .713(b) **GSM 3.32**	X			
	Permanent Field Repair of Welds				
306 192.605 (b)	Welds found to be unacceptable under §192.241(c) must be repaired by: .715 **REPEAT????**				
307 192.605 (b)	(a) Taking the line out of service and repairing in accordance with **§192.245: GSM 3.22 REPEAT????**	X			
308 192.605 (b)	• Cracks longer than **8%** of the weld length (except offshore) must be removed **GSM 3.22 REPEAT????**	X			
309 192.605 (b)	• For each weld that is repaired, the defect must be removed down to clean metal and the pipe preheated if conditions demand it	X			
310 192.605 (b)	• Repairs must be inspected to ensure acceptability	X			
311 192.605 (b)	• Crack repairs or defect repairs in previously repaired areas must be done in accordance with qualified written welding procedures **No cracks allowed**			X	
312 192.605 (b)	(b) If the line remains in service, the weld may be repaired in accordance with **§192.245** if:				
313 192.605 (b)	• The weld is not leaking (1) **GSM 3.32 replace all leaking welds**	X			
314 192.605 (b)	• he pressure is reduced to produce a stress that is **20% of SMYS or less** (2) **GSM 3.22**	X			
315 192.605 (b)	• Grinding is limited so that **⅛ inch** of pipe weld remains (3) **GSM 3.32 table**	X			
316 192.605 (b)	• If the weld cannot be repaired in accordance with **(a) or (b)** above, a full encirclement welded split sleeve must be installed (c) **GSM 3.32**	X			
	Permanent Field Repair of Welds				
317 192.605 (b)	Field repairs of leaks must be made as follows: .717				
318 192.605 (b)	• Replace by cutting out a cylinder and replace with pipe similar or of greater design (a) **GSM 3.32**	X			
319 192.605 (b)	• Install a full encirclement welded split sleeve of an appropriate design unless the pipe is **joined by mechanical couplings** and **operates at less than 40% SMYS** (b)(1)	X			
320 192.605 (b)	• A leak due to a corrosion pit may be repaired by installing **a bolt on leak clamp** (b)(2)	X			
321 192.605 (b)	• For a corrosion pit leak, if a pipe is not more than **40,000 psi SMYS**, the pits may be repaired by **fillet welding a steel plate.** • The plate must have **rounded corners** and the same **thickness or greater** than the pipe, and **not more than ½D** of the pipe size (b)(3) **GSM 3.32**	X			
322 192.605 (b)	• Submerged offshore pipe or pipe in inland navigable waterways may be repaired with a mechanically applied full encirclement split sleeve of appropriate design (b)(4)			X	
323 192.605 (b)	• Apply reliable engineering method (b)(5) **GSM 3.32**	X			
	Testing of Repairs				
324 192.605 (b)	Replacement pipe must be pressure tested to meet the requirements of a new pipeline .719(a)				

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	SUBPART - M TRANSMISSION LINE FIELD REPAIR PROCEDURES	S	U	N/A	N/C
325 192.605 (b)	(b) For lines of **6-inch diameter or larger** and that **operate at 20% of more of SMYS,** the repair must be nondestructively tested in accordance with **§192.241(c) GSM 3.32 page 3**	X			

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Comments:

192.245 – no cracks allowed
.605 (b)(4) – no offshore

	SUBPART - M DISTRIBUTION SYSTEM PATROLLING & LEAKAGE SURVEY PROCEDURES	S	U	N/A	N/C
326 480-93-180(1)	Frequency of patrolling mains must be determined by the severity of the conditions which could cause failure or leakage (i.e., consider cast iron, weather conditions, known slip areas, etc.) .721(a) **GSM 5.15**	X			
327 480-93-180(1)	Patrolling surveys are required in business districts at intervals not exceeding 4½ months, but at least four times each calendar year .721 (b)(1) **GSM 5.15**	X			
328 480-93-180(1)	Patrolling surveys are required outside business districts at intervals not exceeding 7½ months, but at least twice each calendar year .721 (b)(2) **GSM 5.15 more stringent**	X			
329 480-93-180(1)	Periodic leak surveys determined by the nature of the operations and conditions. .723 (a)& (b) **GSM 5.11**	X			
330 480-93-180(1)	In business districts as specified, **1/yr (15 months)** .723(b)(1) **GSM 5.11**	X			
331 480-93-180(1)	Outside of business districts as specified, once every 5 calendar years/63 mos.; for unprotected lines subject to .465(e) where electrical surveys are impractical, once every 3 years/39 mos. .723 (b)(2) **GSM 5.11**	X			

	SUBPART - M TEST REQUIREMENTS FOR REINSTATING SERVICE LINES	S	U	N/A	N/C
332 480-93-180(1)	Except for .725(b), disconnected service lines must be tested the same as a new service line. .725(a) **GSM 3.18**	X			
333 480-93-180(1)	Service lines that are temporarily disconnected must be tested from the point of disconnection, the same as a new service line, before reconnect. See code for exception to this. .725(b) **GSM 3.18**	X			

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SUBPART - M ABANDONMENT or DEACTIVATION of FACILITIES PROCEDURES		**S**	**U**	**N/A**	**N/C**
334 192.605 (b)	Operator must disconnect both ends, purge, and seal each end before abandonment or a period of deactivation where the pipeline is not being maintained. Offshore abandoned pipelines must be filled with water or an inert material, with the ends sealed .727(b) **GSM 5.16**	X			
335 192.605 (b)	Except for service lines, each inactive pipeline that is not being maintained under Part 192 must be disconnected from all gas sources/supplies, purged, and sealed at each end. .727 (c) **GSM 5.16**	X			
336 192.605 (b)	Whenever service to a customer is discontinued, do the procedures indicate one of the following: .727(d)				
337 192.605 (b)	The valve that is closed to prevent the flow of gas to the customer must be provided with a locking device or other means designed to prevent the opening of the valve by persons other than those authorized by the operator .727(d) (1) **GSM 3.16**	X			
338 192.605 (b)	A mechanical device or fitting that will prevent the flow of gas must be installed in the service line or in the meter assembly .727(d)(2) **GSM 3.16**	X			
339 192.605 (b)	The customer's piping must be physically disconnected from the gas supply and the open pipe ends sealed .727(d) (3) **GSM 3.16**	X			
340 192.605 (b)	If air is used for purging, the operator shall ensure that a combustible mixture is not present after purging .727 (e) **GSM 3.17**	X			
341 192.605 (b)	Operator must file reports upon abandoning underwater facilities crossing navigable waterways, including offshore facilities. .727(g) **GSM 3.17** **Repeat?**	X			

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Comments:

SUBPART - M PRESSURE LIMITING and REGULATING STATION PROCEDURES		**S**	**U**	**N/A**	**N/C**
342 192.605 (b)	Inspection and testing procedures for pressure limiting stations, relief devices, pressure regulating stations and equipment **(1 per yr/15 months)** .739(a) **GSM 5.12 page 3-10**	X			
343 192.605 (b)	In good mechanical condition .739(a) (1) **GSM 5.12 page 3-10**	X			
344 192.605 (b)	Adequate from the standpoint of capacity and reliability of operation for the service in which it is employed .739(a)(2) **GSM 5.12 page 3-10**	X			
345 192.605 (b)	Set to control or relieve at correct pressures consistent with .201(a), except for .739(b). .739(a) (3) **GSM 5.12 page 3-10**	X			

346 192.605 (b)	Properly installed and protected from dirt, liquids, other conditions that may prevent proper oper. .739(a)(4) **GSM 5.12 page 3-10**	X			
347 192.605 (b)	For steel lines if MAOP is determined per .619(c) and the MAOP is 60 psi gage or more . . . .739(b)				
348 192.605 (b)	If MAOP produces hoop stress that / Then the pressure limit is: Is greater than 72 percent of SMYS / MAOP plus 4 percent Is unknown as a percent of SMYS / A pressure that will prevent unsafe operation of the pipeline considering its operating and maintenance history and MAOP **Nothing over 72%**			X	
349 192.605 (b)	Pressure limiting and regulating stations: Telemetering or recording gages 192.741(a) thru (c) A **GSM 2.23** B **GSM 2.23** C **GSM 2.23**	X			
350 192.605 (b)	Testing of Relief Devices .743 (a) thru (c) A **GSM 5.12 page 3** B **GSM 5.12 page 3** C **GSM 5.12 page 3**	X			

Document Title	Document/Section Number	Revision Date

Comments:

348
192.605 (b) – no lines at this stress level.

	SUBPART - M VALVE AND VAULT MAINTENANCE PROCEDURES	S	U	N/A	N/C
351 192.605 (b)	Written valve maintenance program detailing the valve selection process, inspection, maintenance, and operating procedures. The written program must detail which valves will be maintained under 49 CFR § 192.745, 49 CFR § 192.747, and 480-93-100. 480-93-100(1) (eff 06/02/05) **GSM 5.13**	X			
	Transmission Valves				
352 192.605 (b)	Inspect and partially operate each transmission valve that might be required during an emergency **(1 per yr/15 months)** .745(a) **GSM 5.13**	X			
353 192.605 (b)	Prompt remedial action required, or designate alternative valve .745(b) **GSM 5.13**	X			
	Distribution Valves				
354 192.605 (b)	Check and service each valve that may be necessary for the safe operation of a distribution system **(1 per yr/15 months)** .747(a) **GSM 5.13**	X			
355 192.605 (b)	Prompt remedial action required, or designate alternative valve .747(b) **GSM 5.13**	X			
	Service Valves	S	U	N/A	N/C
356 192.605 (b)	Written service valve installation and maintenance program detailing the valve selection process, inspection, maintenance, and operating procedures. Does the program consider the criteria listed under 480-93-100(2)(a-f)? (eff. 06/02/05) **GSM 5.13**	X			
357 192.605 (b)	Service valve maintenance **(1 per yr/15 months)** 480-93-100(3) (eff. 06/02/05) **GSM 5.13**	X			

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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.

358 192.605 (b)	Service valve installation and maintenance program fully implemented by 6/01/07? 480-93-100(4) (eff. 06/02/05) **GSM 5.13**	X			
	Vaults				
359 192.605 (b)	Inspection of vaults greater than **200 cubic feet (1 per yr/15 months)** .749 **No vaults**			X	

SUBPART - M PREVENTION of ACCIDENTAL IGNITION PROCEDURES		S	U	N/A	N/C
360 192.605 (b)	Reduce the hazard of fire or explosion by: 192.751 (a) thru (c) A **GSM 3.17** B **GSM 3.17** C **GSM 3.17**	X			

Document Title	Document/Section Number	Revision Date

Comments:

.749 - **No vaults**

SUBPART - M CAULKED BELL AND SPIGOT JOINTS PROCEDURES		S	U	N/A	N/C
361 192.605 (b)	Cast-iron caulked bell and spigot joint repair: .753				
362 192.605 (b)	• When subject to more than 25 psig, sealed with mechanical clamp, or sealed with material/device which does not reduce flexibility, permanently bonds, and seals and bonds as prescribed in §192.753(a)(2)(iii) .753(a)			X	
363 192.605 (b)	• When subject to 25 psig or less, joints, when exposed for any reason, must be sealed by means other than caulking .753(b)			X	

SUBPART - M PROTECTING CAST-IRON PIPELINE PROCEDURES		S	U	N/A	N/C
364 192.605 (b)	Operator has knowledge that the support for a segment of a buried cast-iron pipeline is disturbed must provide protection. .755				
365 192.605 (b)	• Vibrations from heavy construction equipment, trains, trucks, buses or blasting? .755(a)			X	
366 192.605 (b)	• Impact forces by vehicles? .755(b)			X	
367 192.605 (b)	• Earth movement? .755(c)			X	
368 192.605 (b)	• Other foreseeable outside forces which might subject the segment of pipeline to a bending stress .755(d)			X	
369 192.605 (b)	Provide permanent protection for the disturbed section as soon as feasible .755(e)			X	

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Documentation Reviewed:		
Document Title	**Document/Section Number**	**Revision Date**

Comments:

.753 thru .755 – no cast iron

SUBPART N — QUALIFICATION of PIPELINE PERSONNEL		S	U	N/A	N/C
Date of last UTC staff OQ plan review					
370 192.801 192.809	Any revisions to plan since last review? Yes X No If yes, review revisions made.	X			
371 480-93-180(1)	Have "New Construction" activities been identified and included in the operator's covered task list? 480-93-013 (eff 6/02/05) **GSM 4.31**	X			

Documentation Reviewed:		
Document Title	**Document/Section Number**	**Revision Date**

Comments:

FILING REQUIREMENTS for DESIGN, SPECIFICATION, and CONSTRUCTION		S	U	N/A	N/C
372 480-93-180(1)	Submittal of construction procedures, designs, and specifications used for each pipeline facility prior to operating the pipeline. All procedures must detail the acceptable types of materials, fittings, and components for the different types of facilities in the operator's system. 480-93-017(1) **GSM 4.11**	X			
373 480-93-180(1)	Construction plans not conforming with a gas company's existing and accepted construction procedures, designs, and specifications on file with the commission, submitted to the commission for review at least forty-five days prior to the initiation of construction activity. 480-93-017(2) **GSM 4.11**	X			

MAPS, DRAWINGS, and RECORDS of GAS FACILITIES		S	U	N/A	N/C
374 480-93-180	Records updated no later then **6 months** from completion of construction activity and made available to appropriate personnel. 480-93-018(3) **GSM 4.11**	X			

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	PROXIMITY CONSIDERATIONS	S	U	N/A	N/C
375 480-93-180(1)	Each operator must submit a written request and receive commission approval prior to: 480-93-20(1) **GSM 2.12**	X			
	Operating any gas pipeline facility at greater than five hundred psig that is within five hundred feet of any of the following places: 480-93-20 (1)(a)				
376 480-93-180(1)	• A building that is in existence or under construction prior to the date authorization for construction is filed with the commission, and that is not owned and used by the petitioning operator in its gas operations; or : 480-93-20 (1)(a)(i) **GSM 2.12**	X			
377 480-93-180(1)	• A high occupancy structure or area that is in existence or under construction prior to the date authorization for construction is filed with the commission; or : 480-93-20(1)(a)(ii) **GSM 2.12**	X			
358 480-93-180(1)	• A public highway, as defined in RCW 81.80.010(3). 480-93-20 (1)(a)(iii) **GSM 2.12**	X			
379 480-93-180(1)	Operating any gas pipeline facility at greater than two hundred fifty psig, up to and including five hundred psig, that is operated within one hundred feet of either of the following places: 480-93-20(1)(b)	S	U	N/A	N/C
380 480-93-180(1)	• A building that is in existence or under construction prior to the date authorization for construction is filed with the commission, and that is not owned and used by the petitioning operator in its gas operations; or : 480-93-20(1)(b)(i) **GSM 2.12**	X			
381 480-93-180(1)	• A high occupancy structure or area that is in existence or under construction prior to the date authorization for construction is filed with the commission. : 480-93-20(1)(b)(ii) **GSM 2.12**	X			
382 480-93-180(1)	For proposed new construction, document evidence to demonstrate that it is not practical to select an alternate route that will avoid areas or which demonstrates that the operator has considered future development of the area and has designed their pipeline facilities accordingly. 480-93-20(2)	X			