Utilities and Transportation Commission
Standard Inspection Report for Intrastate Gas Systems
Procedures and Plan Review (Form V)

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 **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-090050		
Inspector Name & Submit Date	Lex Vinsel / July 17, 2009		
Sr. Eng Review/Date	D. Lykken / July 20, 2009		
Operator Information			
Name of Operator:	City of Buckley	**OP ID #:**	1848
Name of Unit(s):	City of Buckley		
Records Location:	Same as below		
Date(s) of Last Review:	March 2006	**Inspection Date**	July 6-8, 2009

Inspection Summary:
No probable violations noted

HQ Address:		**System/Unit Name & Address:**	
933 Main Street P. O. Box 1960 Buckley, WA 98321		Same as HQ address	
Co. Official:	Mayor Patty Johnson	**Phone No.:**	N/A
Phone No.:	(360) 829-3157 Dispatch	**Fax No.:**	N/A
Fax No.:		**Emergency Phone No.:**	N/A
Emergency Phone No.:	(360) 829-1631 Shop		N/A

Persons Interviewed	**Title**	**Phone No.**
Bob Butcher	Gas Department Lead	(360) 829-1631, cell (253) 261-6754

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GAS SYSTEM OPERATIONS		
Gas Supplier: Williams		
Operating Pressure(s):	**MAOP (Within last year)**	**Actual Operating Pressure** (At time of Inspection)
Feeder: 250psi/MAOP	250	**230 and below**
Town: 30psi	35	**30**
Other: 23psi	25	**22.5**
Does the operator have any transmission pipelines?		

Pipe Specifications:			
Year Installed (Range)	1957 - Current	Pipe Diameters (Range)	½ - 4 inches
Material Type	Steel & PE	Line Pipe Specification Used	PE 3408
Mileage	**19.97 miles 2" or less, 3.93 miles over 2"**	SMYS %	Below 30%

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 **Page 133**	X			
2.		Telephonic Reports to **UTC Pipeline Safety Incident Notification 1-888-321-9146** (Within **2 hours**) for events which; 480-93-200(1) **Page 130**				
3.		(a) Results in a fatality or personal injury requiring hospitalization; **Page 130**	X			
4.		(b) Results in damage to the property of the operator and others of a combined total exceeding fifty thousand dollars; **Page 130**	X			
5.		(c) Results in the evacuation of a building, or high occupancy structures or areas **Page 130**	X			
6.		(d) Results in the unintentional ignition of gas; **Page 130**	X			
7.		(e) Results in the unscheduled interruption of service furnished by any operator to twenty-five or more distribution customers; **Page 130**	X			
8.		(f) Results in a pipeline or system pressure exceeding the MAOP plus ten percent or the maximum pressure allowed by proximity considerations outlined in WAC 480-93-020; **Page 130**	X			
9.		g) Is significant, in the judgment of the operator, even though it does not meet the criteria of (a) through (e) of this subsection; or **Page 130**	X			
10. +90	480-93-180 (1)	Telephonic Reports to UTC Pipeline Safety Incident Notification 1-888-321-9146 (Within **24 hours**) for; 480-93-200(2) **Page 130**	X			
11.		(a) The uncontrolled release of gas for more than two hours; **Page 130**	X			
12.		b) The taking of a high pressure supply or transmission pipeline or a major distribution supply pipeline out of service; **Page 130**	X			
13.		(c) A pipeline or system operating at low pressure dropping below the safe operating conditions of attached appliances and gas equipment; or **Page 130**	X			
14.		(d) A pipeline or system pressure exceeding the MAOP. **Page 131**	X			
15.		Annual reports; (DOT Form F 7100.1) 191.11 **Page 132**	X			
16.		30 day written incident (federal) reports; (DOT Form F 7100.2) 191.9(a) **Page 131**	X			
17.		Supplemental incident reports 191.9(b) **Page 135**	X			
18.		Written incident reports including supplemental reports (within 30 days); and include the following; 480-93-200(4) (a) thru (l)	X			

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		REPORTING PROCEDURES	S	U	N/A	N/C
19.	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(6) **Page 131**	X			
20.		Annual Report (DOT Form PHMSA F-7100.2-1) 191.17(a) **Page 132**	X			
		Annual Reports filed no later than March 15 for the proceeding calendar year 480-93-200(7) Needs page number **Page 132**	X			
21.	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(7)(a) **Page 132**	X			
22.		• Annual Damage Prevention Statistics Report (eff 6/02/05) including the following; 480-93-200(7)(b)(i) thru (iii) **Page 132**	X			
23.		Annual report on construction defects or material failures 480-93-200(7)(c) **Page 132**	X			
24.		Providing updated emergency contact information to the Commission and appropriate officials 480-93-200(8) **Page 132**	X			
25.		Providing daily construction and repair activities reports 480-93-200(9) **Page 132**	X			
26.		Submitting copy of DOT Drug and Alcohol Testing MIS Data Collection Form (when required) 480-93-200(10) **Page 132**	X			
27.		Safety related condition reports (SRCR) 191.23 **Page 134**	X			
28.		Filing the SRCR within 5 days of determination, but not later than 10 days after discovery 191.25 **Page 134**	X			

Comments:

		49 CFR PART 192 SUBPART A – GENERAL CHAPTER 480-93 WAC – GAS COMPANIES---SAFETY	S	U	N/A	N/C
29.	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 **Page 10**	X			
30.		Conversion to Service - Any pipelines previously used in service not subject to Part 192? 192.14 **Page 61**	X			

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				
31.	480-93-180 (1)	For **steel** pipe, manufactured in accordance with and meet the listed specification found under Appendix B 192.55 **Page 15**	X			
		For **new** plastic pipe, qualified for use under this part if: 192.59(a)				
32.	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) **Page 15**	X			
		For **used** plastic pipe, qualified for use under this part if: 192.59(b)				

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		SUBPART B - MATERIALS	S	U	N/A	N/C
33.	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) **Page 15**	X			
34.		Marking of Materials 192.63 **Page 14, 15**	X			

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
35.		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 **Page 16**	X			
36.		Design formula for steel pipe. 192.105(a) **Page 16**	X			
37.		Yield strength (S) for steel pipe. 192.107	X			
38.	480-93-180 (1) 480-93-180 (1)	Nominal wall thickness (t) for steel pipe. 192.109 (a) & (b) (a) If the nominal wt is not known….. Determined by measuring the thickness of each piece of pipe at quarter points on one end unless….. (b) If the pipe is of uniform grade, size, and thickness and more than 10 lengths of pipeline, only 10 percent of the individual lengths, but not less than 10 lengths, need be measured. The thickness of the lengths that are not measured must be verified by applying a gauge set to the minimum thickness found by the measurement. The nominal wall thickness to be used in the design formula in §192.105 is the next wall thickness found in commercial specifications that is below the average of all the measurements taken. However, the nominal wall thickness used may not be more than 1.14 times the smallest measurement taken on pipe less than 20 inches (508 millimeters) in outside diameter, nor more than 1.11 times the smallest measurement taken on pipe 20 inches (508 millimeters) or more in outside diameter. **Page 16**	X			
39.		Design factor (F) for steel pipe. 192.111 **Page 16**				
40.		(a) Except as otherwise provided in paragraphs (b), (c), and (d) of this section, the design factor to be used in the design formula in §192.105 is determined in accordance with the following Class location Design factor (F) table. Class 1 **0.72**, Class 2 **0.60**, Class 3 **0.50**, Class 4 **0.40** **Page 16**	X			

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		SUBPART C – PIPE DESIGN				
41.		(b) A design factor of 0.60 or less must be used in the design formula in §192.105 for steel pipe in Class 1 locations that: (1) Crosses the right-of-way of an unimproved public road, without a casing; (2) Crosses without a casing, or makes a parallel encroachment on, the right-of-way of either a hard surfaced road, a highway, a public street, or a railroad; (3) Is supported by a vehicular, pedestrian, railroad, or pipeline bridge; or (4) Is used in a fabricated assembly, (including separators, mainline valve assemblies, cross-connections, and river crossing headers) or is used within five pipe diameters in any direction from the last fitting of a fabricated assembly, other than a transition piece or an elbow used in place of a pipe bend which is not associated with a fabricated assembly. **Page 16**	X			
42.		(c) For Class 2 locations, a design factor of 0.50, or less, must be used in the design formula in §192.105 for uncased steel pipe that crosses the right-of-way of a hard surfaced road, a highway, a public street, or a railroad. **Page 16**	X			
43.		(d) For Class 1 and Class 2 locations, a design factor of 0.50, or less, must be used in the design formula in §192.105 for- (1) Steel pipe in a compressor station, regulating station, or measuring station, and (2) Steel pipe, including a pipe riser, on a platform located offshore or in inland navigable waters. **Page 16**	X			
44.		Longitudinal joint factor (E) for steel pipe. 192.113 **Page 17**	X			
45.	480-93-180 (1)	Temperature derating factor (T) for steel pipe. 192.115 **Page 17**	X			
		For Plastic Pipe				
46.	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 **Page 17**	X			
47.		For assuring that the design limitations for plastic pipe are not exceeded. 192.123 (a) thru (e) **Page 17**	X			

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				
48.	480-93-180 (1)	General requirements.... 192.143 **Page 20**	X			
49.		Qualifying metallic components. 192.144 (a) & (b) **Page 20**	X			
50.		For steel valves; meeting the minimum requirements of API 6D, or other standard that provides an equivalent performance level. 192.145 (a) thru (e) **Page 20**	X			
51.		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) **Page 20**	X			
52.		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) **No Transmission in City of Buckley**			X	

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		SUBPART D – DESIGN OF PIPELINE COMPONENTS	S	U	N/A	N/C
53.		Components fabricated by welding. 192.153 (a) thru (d) **Page 45**	X			
54.		Welded branch connections. 192.155 **Page 45**	X			
55.		Flexibility. 192.159 **Page 19**	X			
56.		Supports and Anchors 192.161(a) (a) thru (f) **Page 19**	X			
		Compressor Stations				
57.		Compressor stations: Design and construction. 192.163 (a) thru (e) **No Compressors in Buckley system.**			X	
58.	480-93-180 (1)	Compressor stations: Liquid removal. 192.165 (a) & (b) **No Compressors in Buckley system.**			X	
59.		Compressor stations: Emergency shutdown. 192.167 (a) thru (c) **No Compressors in Buckley system.**			X	
60.		Compressor stations: Pressure limiting devices. 192.169 (a) & (b) **No Compressors in Buckley system.**			X	
61.	480-93-180 (1)	Compressor stations: Additional safety equipment. 192.171 (a) thru (e) **No Compressors in Buckley system.**			X	
62.		Compressor stations: Ventilation. 192.173 **No Compressors in Buckley system.**			X	
63.		Pipe-type and bottle-type holders. 192.175 **No Compressors in Buckley system.**			X	
64.		Additional provisions for bottle-type holders. 192.177 **No Compressors in Buckley system.**			X	
65.	480-93-180 (1)	Transmission line valves.192.179 (a) thru (d) **No Compressors in Buckley system.**			X	
66.		Distribution line valves. 192.181(a) thru (c) **No Compressors in Buckley system.**			X	
67.		Vaults: Structural design requirements 192.183 (a) thru (c) **No Compressors in Buckley system.**			X	
68.		Vaults: Accessibility 192.185 (a) thru (c) **No Compressors in Buckley system.**			X	
69.		Vaults: Sealing, venting, and ventilation. 192.187 (a) thru (c) **No Compressors in Buckley system.**			X	
70.	480-93-180 (1)	Vaults: Drainage and waterproofing 192.189 (a) thru (c) **No Compressors in Buckley system.**			X	
71.		Design pressure of plastic fittings 192.191 (a) & (b) **No Compressors in Buckley system.**			X	
72.		Valve installation in plastic pipe. 192.193 **No Compressors in Buckley system.**			X	
73.		Protection against accidental over-pressuring 192.195 (a) & (b) **Page 94, 95**	X			
74.		Control of the pressure of gas delivered from high-pressure distribution systems. 192.197 (a) thru (c) **Page 94, 95**	X			
75.	480-93-180 (1)	Except for rupture discs, each pressure relief or pressure limiting device must: 192.199 (a) thru (h) **Page 94**	X			
76.		Required capacity of pressure relieving and limiting stations. 192.201(c) **Page 94**	X			
77.		Instrument, Control, and Sampling Pipe and Components 192.203(a) & (b) **Page 23**	X			

Comments:

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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
78.	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) **Page 24**	X			
79.		Retention of welding procedure – details and test .225(b) **Page 24**	X			
80.		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) **Page 38, 44**	X			
81.		Welders may be qualified under **section I of Appendix C** to weld on lines that operate at < **20%** **SMYS.** .227(b) **Buckley does not use 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) **Buckley does not use Appendix C**				
82.	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) **Buckley does not use Appendix C**			X	
83.		• Nominal **two-inch** or smaller below ground butt welds 480-93-080(1)(a)(ii) **Buckley does not use Appendix C**			X	
84.	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) **Buckley does not use Appendix C**			X	
85.		• Appendix C Welders re-qualified **2/Yr (7.5Months)** 480-93-080(1)(a)(iv) **Buckley does not use Appendix C**			X	
86.		Use of testing equipment to record and document essential variables 480-93-080(1)(b) (eff 6/02/05) **Page 39**	X			
87.		Qualified written welding procedures must be located on-site where welding is being performed 480-93-080(1)(d) **Page 50**	X			
88.		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) **Page 44**	X			
89.	480-93-180(1)	To weld on compressor station piping and components, a welder must successfully complete a destructive test .229(a) **No Compressors in Buckley system.**			X	
90.		Welder must have used welding process within the preceding **6 months** .229(b) **Page 44**	X			
91.		A welder qualified under .227(a)… .229(c)				
92.		• 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) **Buckley has no pipe over 20% SMYS.**			X	
93.		• 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) **Page 44**	X			
		Welders qualified under .227(b) may not weld unless: .229(d)	**S**	**U**	**N/A**	**N/C**
94.	480-93-180(1)	• Re-qualified within **1 year/15 months**, or .229(d)(1) **Page 44**	X			
95.		• Within **7½ months** but at least **twice per year** had a production weld pass a qualifying test .229(d)(2) **Page 44**	X			
96.		Welding operation must be protected from weather .231 **Page 21**	X			
97.		Miter joints (**consider pipe alignment**) .233 **Page 21**	X			
98.		Welding preparation and joint alignment .235 **Page 21**	X			
99.		Visual inspection must be conducted by an individual qualified by appropriate training and experience to ensure: .241(a) thru (c) **Page 48**	X			
100.		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) **Page 49**	X			
101.		Repair or removal of defects.245 (a) thru (c) **Page 47**	X			
		• Sleeve Repair – low hydrogen rod (**Best Practices –ref. API 1104 App. B, In Service Welding**)				

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Comments:

		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
102.	480-93-180(1)	Joining of plastic pipe .281				
103.		A plastic pipe joint that is joined by solvent cement, adhesive, or heat fusion may not be disturbed until it has properly set. Plastic pipe may not be joined by a threaded joint or miter joint. 281(a) **Page 53**	X			
104.		Each solvent cement joint on plastic pipe must comply with the following: .281(b) **No solvent cement joints performed by Buckley.**			X	
105.		• The mating surfaces of the joint must be clean, dry, and free of material which might be detrimental to the joint. .281(b)(1) **No solvent cement joints performed by Buckley.**			X	
106.		• The solvent cement must conform to ASTM Designation: D 2513. .281(b)(2) **No solvent cement joints performed by Buckley.**			X	
107.		• The joint may not be heated to accelerate the setting of the cement. .281(b)(3) **No solvent cement joints performed by Buckley.**			X	
108.		Each heat-fusion joint on plastic pipe must comply with the following: .281(c)				
109.		• A butt heat-fusion joint must be joined by a device that holds the heater element square to the ends of the piping, compresses the heated ends together, and holds the pipe in proper alignment while the plastic hardens. .281(c)(1) **Page 53**	X			
110.		• A socket heat-fusion joint must be joined by a device that heats the mating surfaces of the joint uniformly and simultaneously to essentially the same temperature. .281(c)(2) **No socket joints performed by Buckley.**			X	
111.		• An electrofusion joint must be joined utilizing the equipment and techniques of the fittings manufacturer or equipment and techniques shown, by testing joints to the requirements of §192.283(a)(1)(iii), to be at least equivalent to those of the fittings manufacturer. .281(c)(3) **No electrofusion joints performed by Buckley.**			X	
112.		• Heat may not be applied with a torch or other open flame. .281(c)(4) **Page 53**	X			
113.		Each adhesive joint on plastic pipe must comply with the following: .281(d) **No adhesive joints performed by Buckley.**			X	
114.		• The adhesive must conform to ASTM Designation: D 2517. .281(d)(1) **No adhesive joints performed by Buckley.**			X	
115.		• The materials and adhesive must be compatible with each other. .281(d)(1) **No adhesive joints performed by Buckley.**			X	
116.		Each compression type mechanical joint on plastic pipe must comply with the following: .281(e) **Page 75**			X	
117.		• The gasket material in the coupling must be compatible with the plastic. .281(e)(1) **Page 75**	X			
118.		• A rigid internal tubular stiffener, other than a split tubular stiffener, must be used in conjunction with the coupling. .281(e)(2) **Page 75**	X			
119.		Before any written procedure established under §192.273(b) is used for making plastic pipe joints by a heat fusion, solvent cement, or adhesive method, the procedure must be qualified by subjecting specimen joints made according to the procedure to the following tests: .283(a)				
120.		The burst test requirements of– .283(a)(1)				
121.		• Thermoplastic pipe: paragraph 6.6 (sustained pressure test) or paragraph 6.7 (Minimum Hydrostatic Burst Test) or paragraph 8.9 (Sustained Static pressure Test) of ASTM D2513 .283(a)(1)(i) **Page 52**	X			
122.		• Thermosetting plastic pipe: paragraph 8.5 (Minimum Hydrostatic Burst Pressure) or paragraph 8.9 (Sustained Static Pressure Test) of ASTM D2517; or .283(a)(1)(ii)			X	

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		No thermosetting plastic joints performed by Buckley.				
123.	480-93-180(1)	• Electrofusion fittings for polyethylene pipe and tubing: paragraph 9.1 (Minimum Hydraulic Burst Pressure Test), paragraph 9.2 (Sustained Pressure Test), paragraph 9.3 (Tensile Strength Test), or paragraph 9.4 (Joint Integrity Tests) of ASTM Designation F1055. .283(a)(1)(iii) **No electrofusion joints performed by Buckley.**			X	
124.		For procedures intended for lateral pipe connections, subject a specimen joint made from pipe sections joined at right angles according to the procedure to a force on the lateral pipe until failure occurs in the specimen. If failure initiates outside the joint area, the procedure qualifies for use; and, .283(a)(2) **Page 52**	X			
125.	480-93-180(1)	For procedures intended for non-lateral pipe connections, follow the tensile test requirements of ASTM D638, except that the test may be conducted at ambient temperature and humidity If the specimen elongates no less than 25 percent or failure initiates outside the joint area, the procedure qualifies for use. .283(a)(3) **Page 51, 52**	X			
126.		Before any written procedure established under §192.273(b) is used for making mechanical plastic pipe joints that are designed to withstand tensile forces, the procedure must be qualified by subjecting five specimen joints made according to the procedure to the following tensile test: .283(b)				
127.		• Use an apparatus for the test as specified in ASTM D 638 (except for conditioning). .283(b)(1) **Written procedure adopted from manufacturer Page 52**	X			
128.		• The specimen must be of such length that the distance between the grips of the apparatus and the end of the stiffener does not affect the joint strength. .283(b)(2) **Written procedure adopted from manufacturer Page 52**	X			
129.		• The speed of testing is 0.20 in. (5.0 mm) per minute, plus or minus 25 percent. .283(b)(3) **Written procedure adopted from manufacturer Page 52**	X			
130.		• Pipe specimens less than 4 inches (102 mm) in diameter are qualified if the pipe yields to an elongation of no less than 25 percent or failure initiates outside the joint area. .283(b)(4) **Written procedure adopted from manufacturer Page 52**	X			
131.		• Pipe specimens 4 inches (102 mm) and larger in diameter shall be pulled until the pipe is subjected to a tensile stress equal to or greater than the maximum thermal stress that would be produced by a temperature change of 100° F (38° C) or until the pipe is pulled from the fitting. If the pipe pulls from the fitting, the lowest value of the five test results or the manufacturer's rating, whichever is lower must be used in the design calculations for stress. .283(b)(5) **Page Written procedure adopted from manufacturer Page 52**	X			
132.		• Each specimen that fails at the grips must be retested using new pipe. .283(b)(6) **Written procedure adopted from manufacturer Page 52**	X			
133.		• Results pertain only to the specific outside diameter, and material of the pipe tested, except that testing of a heavier wall pipe may be used to qualify pipe of the same material but with a lesser wall thickness. .283(b)(7) **Written procedure adopted from manufacturer Page 52**	X			
134.	480-93-180(1)	A copy of each written procedure being used for joining plastic pipe must be available to the persons making and inspecting joints. .283(c) **Page 52**	X			
135.		Pipe or fittings manufactured before July 1, 1980, may be used in accordance with procedures that the manufacturer certifies will produce a joint as strong as the pipe. .283(d) **Page 52**	X			
136.		No person may make a plastic pipe joint unless that person has been qualified under the applicable joining procedure by: .285(a)				
137.		• Appropriate training or experience in the use of the procedure; and .285(a)(1) **Page 51, 52**	X			
138.		• Making a specimen joint from pipe sections joined according to the procedure that passes the inspection and test set forth in paragraph (b) of this section. .285(a)(2) **Page 52**	X			
139.		The specimen joint must be: .285(b)				
140.		• Visually examined during and after assembly or joining and found to have the same appearance as a joint or photographs of a joint that is acceptable under the procedure; and .285(b)(1) **Page 51, 52**	X			
141.		• In the case of a heat fusion, solvent cement, or adhesive joint; .285(b)(2) **Page 51, 52**	X			

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142.	480-93-180(1)	Tested under any one of the test methods listed under §192.283(a) applicable to the type of joint and material being tested; .285(b)(2)(i) **Page 51, 52**	X			
143.		Examined by ultrasonic inspection and found not to contain flaws that may cause failure; or .285(b)(2)(ii) **Page 51, 52**	X			
144.		Cut into at least three longitudinal straps, each of which is: .285(b)(2)(iii) **Page 51, 52**	X			
145.		Visually examined and found not to contain voids or discontinuities on the cut surfaces of the joint area; and .285(b)(2)(iii)(A) **Page 51, 52**	X			
146.		Deformed by bending, torque, or impact, and if failure occurs, it must not initiate in the joint area. .285(b)(2)(iii)(B) **Page 51, 52**	X			
147.	480-93-180(1)	A person must be requalified under an applicable procedure, if during any 12-month period that person: .285(c)				
148.		• Does not make any joints under that procedure; or .285(c)(1) **Page 52**	X			
149.		• Has 3 joints or 3 percent of the joints made, whichever is greater, under that procedure that are found unacceptable by testing under §192.513. .285(c)(2) **Page 52**	X			
150.		Each operator shall establish a method to determine that each person making joints in plastic pipelines in the operator's system is qualified in accordance with this section. .285(d) **Page 51**	X			
		Plastic pipe joiners re-qualified **1/Yr (15 Months)** 480-93-080 (2)				
151.	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) **Page 51**	X			
152.		• Plastic pipe joiners re-qualified if no production joints made during any 12 month period 480-93-080(2)(b) (eff 6/02/05) **Page 52**	X			
153.		• Tracking production joints or re-qualify joiners **1/Yr (12Months)** 480-93-080(2)(c) (eff 6/02/05) **Page 52**	X			
154.	480-93-180(1) / 192.273(b)	No person may carry out the inspection of joints in plastic pipes required by §§192.273(c) and 192.285(b) unless that person has been qualified by appropriate training or experience in evaluating the acceptability of plastic pipe joints made under the applicable joining procedure. .287 **Page 52**	X			

Comments:

SUBPART G – CONSTRUCTION REQUIREMENTS for TRANSMISSION LINES and MAINS			S	U	N/A	N/C
155.	480-93-180(1)	Compliance with specifications or standards. 192.303 **No transmission in Buckley**			X	
156.		Inspection of each transmission line and main during construction 192.305 **No transmission in Buckley**			X	
157.		Inspection of materials 192.307 **No transmission in Buckley**			X	
158.		Repair of steel pipe 192.309 (a) thru (e) **No transmission in Buckley**			X	
159.		Repair of plastic pipe. 192.311 **No transmission in Buckley**			X	
160.		Bends and elbows. 192.313 (a) thru (c) **No transmission in Buckley**			X	
161.		Wrinkle bends in steel pipe. 192.315 (a) & (b) **No transmission in Buckley**			X	
162.		Protection from hazards 192.317 (a) thru (c) **No transmission in Buckley**			X	
163.		Installation of Pipe in a ditch 192.319 (a) thru (c) **No transmission in Buckley**			X	
164.		Installation of plastic pipe. 192.321 (a) thru (h) **No transmission in Buckley**			X	

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		480-93-178 WAC PROTECTION OF PLASTIC PIPE	S	U	N/A	N/C
165.	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) **Pages 15, 60, 61, 71**	X			
166.		Stated acceptable time limit for maximum cumulative ultraviolet light exposure 480-93-178 (2) **Page 71**	X			
167.		Separation requirements when installing plastic pipelines parallel to other underground utilities 480-93-178 (4) **Pages 60, 70**	X			
168.		Separation requirements when installing plastic pipelines perpendicular to other underground utilities 480-93-178 (5) **Pages 60, 70**	X			
169.		Casings 192.323 (a) thru (d) **Page 65**	X			
170.		Casing of pipelines. 480-93-115 (1) thru (4) **Page 83**	X			
171.		Underground clearance. 192.325 (a) thru (d). **Pages 60, 70**	X			
172.		Cover. 192.327 (a) thru (g) **Pages 60, 61**	X			

Comments:

		SUBPART H - CUSTOMER METERS, SERVICE REGULATORS, and SERVICE LINES				
			S	U	N/A	N/C
173.	480-93-180 (1)	Meters and service regulators installed at locations as prescribed under 192.353 (a) thru (d) **Page 74. Buckley does not allow inside meter sets at this time.**	X			
174.		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) All regulators have internal relief. (b) Pages 80, 81 (c) No meters in pits or vaults for Buckley.**	X			
175.	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) **Pages 73, 81 (b) Only use manufacturers nipples.**	X			
		480-93-140 WAC SERVICE REGULATORS	S	U	N/A	N/C
176.	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) **Pages 80, 81**	X			
177.		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) **Pages 81, 82**	X			
178.	480-93-180 (1)	Minimum service line installation requirements as prescribed under **192.361 (a) thru (g) Pages 76, 77**	X			
179.		Location of service-line valves as prescribed under **192.365 (a) thru (c) Page 77**	X			
180.		General requirements for locations of service-line connections to mains and use of compression fittings **192.367 (a) thru (b)(2) Pages 77, 78**	X			
181.		Connections of service lines to cast iron or ductile iron mains. 192.369 (a) thru (b) **Buckley has neither cast iron nor ductile iron in their system.**			X	
182.		Provisions for new service lines not in use 192.379 (a) thru (c) **Page 79**	X			
183.		Excess flow valve performance standards 192.381 (a) thru (e) **Pages 74, 75**	X			
184.		Excess flow valve customer notification. 192.383 (a) thru (f) **Pages 11, 12, 13**	X			

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Comments:

		SUBPART I - CORROSION CONTROL	S	U	N/A	N/C
185.	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 **Page 83**	X			
186.	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) **Page 84**	X			
187.	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) **Buckley has no aluminum lines.**			X	
188.	480-93-180(1)	All effectively coated steel transmission pipelines installed prior to **August 1, 1971**, must be cathodically protected .457 (a) **No transmission line in Buckley system.**			X	
189.		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) **Pipeline installed after Aug 1, 1971.**			X	
190.		Written procedures explaining how cathodic protection related surveys, reads, and tests will be conducted. 480-93-110(4) **Page 88**	X			
191.		Examination of buried pipeline when exposed: if corrosion is found, further investigation is required .459 **Page 90**	X			
192.		Recording the condition of all underground metallic facilities each time the facilities are exposed. 480-93-110(6) **Page 91**	X			
193.		CP test reading on all exposed facilities where coating has been removed 480-93-110(8) (eff 6/02/05) **Page 91**	X			
194.	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	S	U	N/A	N/C
195.		Cathodic protection level according to **Appendix D** criteria .463 **Pages 86, 87 (b) No metals of different anodic potential used.**	X			
196.		Pipe-to-soil monitoring (**1 per yr/15 months**) .465(a) **Pages 85, 86**	X			
197.		Rectifier monitoring (**6 per yr/2½ months**) .465(b) **Page 88**	X			
198.		Interference bond monitoring (**as required**) .465(c) **Buckley has no interference bonds.**			X	
199.		Remedial action taken within 90 days (Up to 30 additional days if other circumstances. Must document) 480-93-110(2) **Page 89 Buckley to add 30 days additional conditions.**	X			
200.	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) **Page 86**	X			
201.		Sufficient test stations to determine CP adequacy .469 **Page 89**	X			
202.		Test lead maintenance .471 **Page 89**	X			
203.		Interference currents .473 **Page 89**	X			
204.		Proper procedures for transporting corrosive gas? .475(a) **No corrosive gas from Williams.**			X	
205.		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) **Page 90**	X			

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		SUBPART I - CORROSION CONTROL	S	U	N/A	N/C
206.		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) **Page 90**	X			
207.		Systems to reduce internal corrosion Amdt 192- (no number) Pub. 4/23/07, eff. 5/23/07 (a) New construction .476 **No transmission in Buckley**			X	
208.		(b) Exceptions – offshore pipeline and systems replaced before 5/23/07 **No transmission in Buckley**			X	
209.		(c) Evaluate impact of configuration changes to exisiting systems **No transmission in Buckley**			X	
210.	480-93-180(1)	Internal corrosion control coupon (or other suit. Means) monitoring **(2 per yr/7½ months)** .477 **Page 90**	X			
211.		Each exposed pipe must be cleaned and coated (see exceptions under **.479(c)**) .479(a) **Page 91**	X			
212.		Offshore splash zones and soil-to-air interfaces must be coated **Page 91**	X			
213.		• Coating material must be suitable .479(b) **Page 92**	X			
214.		Coating is not required where operator has proven that corrosion will: .479(c)				
215.		1. Only be a light surface oxide, or .479(c)(1) **Page 91**	X			
216.		2. Not affect safe operation before next scheduled inspection .479(c)(2) **Page 91**	X			
217.		Written atmospheric corrosion control monitoring program. The program must have time frames for completing remedial action. 480-93-110(9) (eff 6/02/05) **Page 94**	X			
218.		Atmospheric corrosion control monitoring **(1 per 3 yrs/39 months onshore; 1 per yr/15 months offshore)** .481(a) **Page 93**	X			
219.		Special attention required at soil/air interfaces, thermal insulation, under dis-bonded coating, pipe supports, splash zones, deck penetrations, spans over water .481(b) **Page 91**	X			
220.		Protection must be provided if atmospheric corrosion is found **(per §192.479)** .481(c) **Page 91**	X			
221.		Replacement and required pipe must be coated and cathodically protected (see code for exceptions) .483 **Pages 66, 68, 84, 85**	X			
222.		Procedures to replace pipe or reduce the **MAOP** if general corrosion has reduced the wall thickness? .485(a) **No transmission in Buckley**	X			
223.	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) **No transmission in Buckley**	X			
224.		Procedures to use **Rstreng** or **B-31G** to determine remaining wall strength? .485(c) **No transmission in Buckley**	X			
225.		Remedial measures (distribution lines other than cast iron or ductile iron) .487 **Page 85**	X			
226.		Remedial measures (cast iron and ductile iron pipelines) .489 **No cast iron or ductile iron pipe in Buckley**	X			
227.		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 **Page 92**	X			
228.		Corrosion control maps and record retention **(pipeline service life or 5 yrs)** .491 **Page 92**	X			
		WAC 480-93-110 Corrosion Requirements	S	U	N/A	N/C
229.		Casings inspected/tested annually not to exceed **fifteen months** 480-93-110(5) **Pages 83, 104, 110**	X			
230.	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) **Page 86**	X			
231.		Possible shorted conditions – Perform confirmatory follow-up inspection within **90** days 480-93-110(5)(b) **Page 83**	X			
232.		Casing shorts cleared when practical 480-93-110(5)(c) **Page 33**	X			
233.	480-93-180(1)	Shorted conditions leak surveyed within 90 days of discovery. **Twice annually/7.5 months** 480-93-110(5)(d) **Page 83**	X			

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		SUBPART I - CORROSION CONTROL	S	U	N/A	N/C
234.		CP Test Equipment and Instruments checked for accuracy/intervals (Mfct Rec or Opr Sched) 480-93-110(3) **Page 89**	X			

Comments:

		SUBPART J – TEST REQUIREMENTS	S	U	N/A	N/C
235.	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. **Page 64**	X			
236.		Strength test requirements for steel pipeline to operate at a hoop stress of 30 percent or more of SMYS. 192.505 (a) thru (e) **Page 61**	X			
237.		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) **Page 61**	X			
238.		Test requirements for pipelines to operate below 100 psig. 192.509 (a) & (b) **Page 61**	X			
239.		Test requirements for service lines. 192.511 (a) thru (c) **(b) does not apply Page 62**	X			
240.		Test requirements for plastic pipelines. 192.513 (a) thru (d) **Page 65, 66**	X			
241.		Environmental protection and safety requirements. 192.515 (a) & (b) **Page 64**	X			
242.		Records 192.517 Refer also to 480-93-170 (7) (a-h) below. **Pages 63, 64**	X			

Comments:

		WAC 480-93-170 PRESSURE TEST PROCEDURES	S	U	N/A	N/C
243.	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) **Page 62**	X			
244.		• 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) **Page 63**	X			
245.		• 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) **Page 64**	X			
246.		• 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) **Page 63**	X			
247.		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) **Page 63**	X			
248.		Re-testing of service lines broken, pulled, or damaged, resulting in the interruption of gas supply	X			

		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) **Page 64**				
249.		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). **Page 66**	X			
250.	480-93-180(1)	Maintain records of each test where multiple pressure tests are performed on a single installation. 480-93-170(9) **Pages 63, 64**	X			
251.		Pressure testing equipment must be maintained, tested for accuracy, or calibrated, in accordance with the manufacturer's recommendations.480-93-170(10) **Page 63**	X			
252.		• When there are no manufacturer's recommendations, then tested at an appropriate schedule determined by the operator. **Page 63**	X			
253.		• Test equipment must be tagged with the calibration or accuracy check expiration date. **Page 63**	X			

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
254.	480-93-180(1)	General requirements. 192.553 (a) thru (d) **Page 95**	X			
255.		Uprating to a pressure that will produce a hoop stress of **30 % or more** of SMYS in steel pipelines. 192.555 (a) thru (e) **Buckley has no pipe 20% SMYS or greater.**			X	
256.		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) **Buckley has no pipe 20% SMYS or greater.**			X	
WAC 480-93-155 - UPRATING						
257.	480-93-180(1)	Notification of uprate and submission of written plan 480-93-155 (1) **Page 93**	X			
258.		Content of written plan… 480-93-155 (1) (a) thru (j) **Page 93**	X			
259.		Uprates must be based on a previous or current pressure test that will substantiate the intended MAOP. 480-93-155 (2) **Page 93**	X			

Comments:

SUBPART L - OPERATIONS			S	U	N/A	N/C
260.		Procedural Manual Review – Operations and Maintenance (**1 per yr/15 months**) 192.605(a) **Page 14**	X			
261.		Availability of construction records, maps, operating history to operating personnel 192.605(b)(3) **Pages 59, 60**	X			
262.		Start up and shut down of the pipeline to assure operation within **MAOP** plus allowable buildup 192.605(b)(5) **Pages 94, 98**	X			

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		SUBPART L - OPERATIONS	S	U	N/A	N/C
263.	480-93-180(1) / 192.605(a)	Periodic review of personnel work – effectiveness of normal O&M procedures 192.605(b)(8) **Page 143**	X			
264.		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) **Page 100**	X			
265.		Routine inspection and testing of pipe-type or bottle-type holders 192.605(b)(10) **Buckley has no pipe-type or bottle-type holders.**			X	
266.		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) **Pages 137, 138, 139**	X			

Comments:

		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
267.	480-93-180(1) / 192.605(a)	• Unintended closure of valves or shut downs 192.605(c)(1)(i) **Buckley has no transmission pipeline.**			X	
268.		• Increase or decrease in pressure or flow rate outside of normal operating limits 192.605(c)(1)(ii) **Buckley has no transmission pipeline.**			X	
269.		• Loss of communications 192.605(c)(1)(iii) **Buckley has no transmission pipeline.**			X	
270.		• The operation of any safety device 192.605(c)(1)(iv) **Buckley has no transmission pipeline.**			X	
271.		• Malfunction of a component, deviation from normal operations or personnel error 192.605(c)(1)(v) **Buckley has no transmission pipeline.**			X	
272.		Checking variations from normal operation after abnormal operations ended at sufficient critical locations 192.605(c)(2) **Buckley has no transmission pipeline.**			X	
273.		Notifying the responsible operating personnel when notice of an abnormal operation is received 192.605(c)(3) **Buckley has no transmission pipeline.**			X	
274.		Periodic review of personnel work – effectiveness of abnormal operation procedures 192.605(c)(4) **Buckley has no transmission pipeline.**			X	

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		SUBPART – L CHANGE in CLASS LOCATION PROCEDURES	S	U	N/A	N/C
275.	480-93-180(1) / 192.605(a)	Class location study 192.609 **Page 9**	X			
276.		Confirmation or revision of MAOP 192.611 **Page 9**	X			

		SUBPART – L CONTINUING SURVEILLANCE PROCEDURES	S	U	N/A	N/C
277.	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) **Page 100, 101**	X			
278.	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) **Pages 85, 99**	X			

		SUBPART – L DAMAGE PREVENTION PROGRAM PROCEDURES	S	U	N/A	N/C
279.	480-93-180(1) / 192.605(a)	Participation in a qualified one-call program, or if available, a company program that complies with the following: **Page 99**	X			
280.		Identify persons who engage in excavating .614(c)(1) **Page 99**	X			
281.		Provide notification to the public in the One Call area .614(c) (2) **Pages 99, 102**	X			
282.		Provide means for receiving and recording notifications of pending excavations .614(c) (3) **Pages 99, 102, 103**	X			
283.		Provide notification of pending excavations to the members .614(c) (4) **Pages 99, 102, 103**	X			
284.		Provide means of temporary marking for the pipeline in the vicinity of the excavations .614(c) (5) **Page 100**	X			
285.		Provides for follow-up inspection of the pipeline where there is reason to believe the pipeline could be damaged .614(c) (6) **Page 101**	X			
286.		Inspection must be done to verify integrity of the pipeline .614(c)(6)(i) **Page 101**	X			
287.		After blasting, a leak survey must be conducted as part of the inspection by the operator .614(c)(6)(ii) **Page 101**	X			

Comments:

		SUBPART – L EMERGENCY PROCEDURES	S	U	N/A	N/C
288.	480-93-180(1) / 192.615	Receiving, identifying, and classifying notices of events which require immediate response by the operator .615(a)(1) **Page 138**	X			
289.		Establish and maintain communication with appropriate public officials regarding possible emergency .615(a)(2) **Page 139**	X			
290.		Prompt response to each of the following emergencies: .615(a)(3) **Page 138**	X			
291.		(i) Gas detected inside a building **Page 138**	X			
292.		(ii) Fire located near a pipeline **Pages 138, 141**	X			
293.		(iii) Explosion near a pipeline **Page 141**	X			
294.		(iv) Natural disaster **Page 141**	X			
295.		Availability of personnel, equipment, instruments, tools, and material required at the scene of an emergency .615(a)(4) **Pages 140, 142, 143**	X			
296.		Actions directed towards protecting people first, then property .615(a)(5) **Pages 137, 140, 141**	X			
297.		Emergency shutdown or pressure reduction to minimize hazards to life or property .615(a)(6) **Pages 137, 138, 139, 140, 141**	X			
298.		Making safe any actual or potential hazard to life or property .615(a)(7) **Pages 137, 140, 141**	X			
299.		Notifying appropriate public officials required at the emergency scene and coordinating	X			

		planned and actual responses with these officials .615(a)(8) **Page 139**				
300.		Instructions for restoring service outages after the emergency has been rendered safe .615(a)(9) **Page 41**	X			
301.	480-93-180(1) / 192.615	Investigating accidents and failures as soon as possible after emergency .615(a)(10) **Page 41**	X			
302.		Furnishing applicable portions of the emergency plan to supervisory personnel who are responsible for emergency action .615(b)(1) **Pages 137, 139**	X			
303.		Training appropriate employees as to the requirements of the emergency plan and verifying effectiveness of training .615(b)(2) **Page 145**	X			
304.		Reviewing activities following emergencies to determine if the procedures were effective .615(b)(3) **Page 143**	X			
305.		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) **Pages 137, 139, 140**	X			

Comments:

		SUBPART – L PUBLIC AWARENESS PROGRAM PROCEDURES (Also in accordance with API RP 1162)	**S**	**U**	**N/A**	**N/C**
306.		Public Awareness Program in accordance with API RP 1162 (Amdt 192-99 pub. 5/19/05, eff. 06/20/05 and Amdt 192 – not numbered pub 12/13/07 eff. 12/13/07). .616				
307.		The operators program must specifically include provisions to educate the public, appropriate government organizations, and persons engaged in excavation related activities on: .616(d) **Page 102**	X			
308.		(1) Use of a one-call notification system prior to excavation and other **Page 102**	X			
309.		(2) Possible hazards associated with unintended releases fram a gas pipeline facility; **Pages 213, 214**	X			
310.		(3) Physical indications of a possible release; **Pages 214, 216, 224, 225**	X			
311.		(4) Steps to be taken for public safety in the event of a gas pipeline release; **Pages 138, 220, 224, 225**	X			
312.	480-93-180(1) / 192.605(a)	Does program include activities to advise affected municipalities, school districts, businesses, and residents of pipeline facility locations. .616(e) **Page 212**	X			
313.		The operaotr's program and the media used must be comprehensive enough to reach all areas the operator transports gas. .616(f) **Page 212**	X			
314.		Is the program conducted in English and any other languages commonly understood by a significant number of the population? .616(g) **Page 212**	X			
315.		Operations of a master meter **Buckley not MM.**			X	
316.		Operators of a Master Meter or petroleum gas system (unless the operator transports gas as a primary activity) must develop/implement a written procedure to provide it's customers public awareness messages twice annually: .616(j) **Buckley not MM.** (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.			X	

		SUBPART – L FAILURE INVESTIGATION PROCEDURES	**S**	**U**	**N/A**	**N/C**
317.	480-93-180(1) / 192.617	Analyzing accidents and failures including laboratory analysis where appropriate to determine cause and prevention of recurrence .617 **Page 99**	X			

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Comments:

		SUBPART – L MAOP PROCEDURES	S	U	N/A	N/C
318.	480-93-180(1) 192.605(a)	Establishing **MAOP** so that it is commensurate with the class location .619 **Pages 93, 94**	X			
319.		**MAOP** cannot exceed the lowest of the following:				
320.		• Design pressure of the weakest element; .619(a)(1) **Page 93**	X			
321.		• Test pressure divided by applicable factor .619(a)(2) **Page 93**	X			
322.	480-93-180(1) / 192.605(a)	• The highest actual operating pressure to which the segment of line was subjected during the 5 years preceding the applicable date in second column, unless the segment was tested according to .619(a)(2) after the applicable date in the third column or the segment was uprated according to subpart K. .619(a)(3) **Page 93**	X			
323.	480-93-180(1) 192.605(a)	• Maximum safe pressure determined by operator. .619(a)(4) **Page 94**	X			
324.		• Overpressure protective devices must be installed if .619(a)(4) is applicable .619(b) **Page 94**	X			
325.		• The requirements on pressure restrictions in this section do not apply in the following instance. An operator may operate a segment of pipeline found to be in satisfactory condition, considering its operating and maintenance history, at the highest actual operating pressure to which the segment was subjected during the 5 years preceding the applicable date in the second column of the table in paragraph (a)(3) of this section. An operator must still comply with § 192.611 .619(c) **Page 93**	X			
326.		MAOP - High Pressure Distribution Systems .621 **Note:** New PA-11 design criteria is incorporated into 192.121 & .123 (Final Rule Pub. 12/24/08) **City of Buckley does not currently or plan to use PA-11 material.**			X	
327.		Max./Min. Allowable Operating Pressure - Low Pressure Distribution Systems .623 **No low pressure distribution.**			X	

Pipeline segment	Pressure date	Test date
-- Onshore transmission line that was a gathering line not subject to this part before March 15, 2006.	March 15, 2006, or date line becomes subject to this part, whichever is later.	5 years preceding applicable date in second column.
All other pipelines.	July 1, 1970.	July 1, 1965.

Comments:

#327 – Talk to Bob, do they plan to use the PA-11 material? No then N/A with note saying that they do not plan to use the new material.

		WAC 480-93-015 ODORIZATION PROCEDURES	S	U	N/A	N/C
328.	480-93-180(1)	Odorization of gas at the proper concentration in air 480-93-015 (1) **Page 96**	X			
329.		Use of odorant testing instrumentation/Monthly testing interval 480-93-015 (2) **Page 96**	X			

330.		Odorant Testing Equipment Calibration/Intervals (Annually or Manufacturers Recommendation) 480-93-015 (3) **Page 96**	X			
331.	480-93-180(1)	Records maintained for usage, odorant tests performed and equipment calibration (**5yrs**) 480-93-015(4) **Page 96**	X			

Comments:

SUBPART – L TAPPING PIPELINES UNDER PRESSURE PROCEDURES			**S**	**U**	**N/A**	**N/C**
332.	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 **Page 65**	X			

SUBPART – L PIPELINE PURGING PROCEDURES			**S**	**U**	**N/A**	**N/C**
333.	480-93-180(1)	Purging of pipelines must be done to prevent entrapment of an explosive mixture in the pipeline .629 **Page 103**	X			
334.	480-93-180(1)	(a) Lines containing **air** must be properly purged. **Page 103**	X			
335.	480-93-180(1)	(b) Lines containing **gas** must be properly purged **Page 103**	X			

Comments:

SUBPART – M MAINTENANCE PROCEDURES			**S**	**U**	**N/A**	**N/C**
336.	480-93-180(1)	Each segment of pipeline that becomes unsafe must be replaced, repaired, or removed from Service .703(b) **Page 68**	X			
337.	480-93-180(1)	Hazardous leaks must be repaired promptly .703(c) **Pages 111, 112, 115**	X			

Comments:

SUBPART - M TRANSMISSION LINES - PATROLLING & LEAKAGE SURVEY PROCEDURES			**S**	**U**	**N/A**	**N/C**
338.		Patrolling ROW conditions .705(a) **Buckley has no transmission pipeline.**			X	
339.		Maximum interval between patrols of lines: .705 (b) **Buckley has no transmission pipeline.**			X	

Class Location	**At Highway and Railroad Crossings**	**At All Other Places**

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	480-93-180(1) /192.605(b)	**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)**					
340.		Leakage surveys – **1 year/15 months** .706 **Buckley has no transmission pipeline.**						X	
341.		Leak **detector equipment** survey requirements for lines transporting **un-odorized** gas (N/A - All pipelines in WA require odorization) **Buckley has no transmission pipeline.**						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.				
342.	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) **Page 115**	X			
343.	480-93-180(1)	• Grade leak in accordance with WAC 480-93-186, and take appropriate action 480-93-185(1) **Pages 111, 114**	X			
344.	480-93-180(1)	• retain the leak investigation record for the life of the pipeline. 480-93-185(1) **Page 115**	X			
345.	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) **Page 115**	X			
346.	480-93-180(1)	Taking appropriate action when leak indications originating from a foreign source. Notification requirements. 480-93-185(3) **Pages 115, 116**	X			

	WAC 480-93-186 LEAK EVALUATION		**S**	**U**	**N/A**	**N/C**
347.	480-93-180(1)	Grade leaks as defined in WAC 480-93-18601 to establish the leak repair priority. 480-93-186(1) **Pages 111, 114**	X			
348.	480-93-180(1)	procedure for evaluating the concentration and extent of gas leakage 480-93-186(2) **Page 115**	X			
349.	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) **Page 115**	X			
350.	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) **Page 115**	X			

Comments:

	WAC 480-93-187 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)				

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351.	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. **Page 197**	X			

Comments:

		WAC 480-93-188 GAS LEAK SURVEYS	S	U	N/A	N/C
352.	480-93-180(1)	gas leak surveys using a gas detection instrument covering areas listed in 480-93-188(1)(a-e) **Page 105**	X			
353.		Gas detection instruments tested for accuracy/intervals (Mfct rec or monthly not to exceed 45 days) 480-93-188(2) **Page 107**	X			
354.		Surveys conducted according to the minimum frequencies outlined under 480-93-188(3)(a-d) **Page 109**	X			
355.		Surveys conducted under the following circumstances outlined under 480-93-188(4)(a-e) **Page 110**	X			
356.		Survey records must be kept for a minimum of five years and contain information required under 480-93-188(5)(a-f) **Pages 110, 111**	X			
357.		Self audits as necessary, but not to exceed three years between audits and meet the criteria outlined under 480-93-188(6)(a-e) **Page 116**	X			

Comments:

		PIPELINE MARKERS PROCEDURES	S	U	N/A	N/C
358.	480-93-180(1)	Placement of markers - railroad, road, irrigation and drainage ditch crossings... 480-93-124 (1) **Page 101**	X			
359.		Placement of markers - Separation/Other locations... 480-93-124 (2) & 192.707 **Page 101**	X			
360.		Installed at each end of bridges or other spans / Inspected **1/YR (15 Months)** 480-93-124 (3) **Page 102**	X			
361.		Markers reported missing or damaged replaced within **45 days?** 480-93-124(5) **Page 102**	X			

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362.		Surveys of pipeline markers – Not to exceed **5/YR** Records 10/Yrs minimum 480-93-124(5) **Page 102**	X			
363.		Maintain maps, drawings or other records indicating class locations and other areas where pipeline markers are required 480-93-124(7) **Page 102**	X			

Comments:

		SUBPART - M TRANSMISSION RECORD KEEPING PROCEDURES	S	U	N/A	N/C
364.	480-93-180(1) / 192.605 (b)	Records must be maintained… .709 **Buckley has no transmission pipeline.**			X	
365.		(a) Repairs to the pipe – **life of system Buckley has no transmission pipeline.**			X	
366.		(b) Repairs to "other than pipe" – **5 years Buckley has no transmission pipeline.**			X	
367.		(c) Operation (Sub L) and Maintenance (Sub M) patrols, surveys, tests – **5 years** or until next one **Buckley has no transmission pipeline.**			X	

		SUBPART - M TRANSMISSION LINE FIELD REPAIR PROCEDURES	S	U	N/A	N/C
		Imperfections and Damages				
368.	480-93-180(1) / 192.605 (b)	Repairs of imperfections and damages on pipelines operating above **40% SMYS**				
369.		• Cut out a cylindrical piece of pipe and replace with pipe of ≥ design strength .713(a)(1) **Buckley has no transmission pipeline.**			X	
370.		• Use of a reliable engineering method .713(a)(2) **Buckley has no transmission pipeline.**			X	
371.		Reduce operating pressure to a safe level during the repair .713(b) **Buckley has no transmission pipeline.**			X	
		Permanent Field Repair of Welds				
372.	480-93-180(1) / 192.605 (b)	Welds found to be unacceptable under §192.241(c) must be repaired by: .715				
373.		(a) Taking the line out of service and repairing in accordance with **§192.245: Buckley has no transmission pipeline.**			X	
374.		• Cracks longer than **8%** of the weld length (except offshore) must be removed **Buckley has no transmission pipeline.**			X	
375.		• For each weld that is repaired, the defect must be removed down to clean metal and the pipe preheated if conditions demand it **Buckley has no transmission pipeline.**			X	
376.		• Repairs must be inspected to ensure acceptability **Buckley has no transmission pipeline.**			X	
377.		• Crack repairs or defect repairs in previously repaired areas must be done in accordance with qualified written welding procedures **Buckley has no transmission pipeline.**			X	
378.		(b) If the line remains in service, the weld may be repaired in accordance with **§192.245** if:				
379.		• The weld is not leaking (1) **Buckley has no transmission pipeline.**			X	
380.		• The pressure is reduced to produce a stress that is **20% of SMYS or less** (2) **Buckley has no transmission pipeline.**			X	
381.		• Grinding is limited so that **⅛ inch** of pipe weld remains (3) **Buckley has no transmission pipeline.**			X	

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		SUBPART - M TRANSMISSION LINE FIELD REPAIR PROCEDURES	S	U	N/A	N/C
382.		• If the weld cannot be repaired in accordance with **(a) or (b)** above, a full encirclement welded split sleeve must be installed (c) **Buckley has no transmission pipeline.**			X	
		Permanent Field Repair of Leaks				
383.	480-93-180(1) / 192.605 (b)	Field repairs of leaks must be made as follows: .717 **Buckley has no transmission pipeline.**			X	
384.		• Replace by cutting out a cylinder and replace with pipe similar or of greater design (a) **Buckley has no transmission pipeline.**			X	
385.		• 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) **Buckley has no transmission pipeline.**			X	
386.		• A leak due to a corrosion pit may be repaired by installing **a bolt on leak clamp** (b)(2) **Buckley has no transmission pipeline.**			X	
387.	480-93-180(1) / 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) **Buckley has no transmission pipeline.**			X	
388.		• 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) **Buckley has no transmission pipeline.**			X	
389.		• Apply reliable engineering method (b)(5) **Buckley has no transmission pipeline.**			X	
		Testing of Repairs				
390.	480-93-180(1) / 192.605 (b)	Replacement pipe must be pressure tested to meet the requirements of a new pipeline .719(a) **No pipe at 20% or more SMYS**			X	
391.		(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) No pipe at 20% or more SMYS**			X	

		SUBPART - M DISTRIBUTION SYSTEM PATROLLING & LEAKAGE SURVEY PROCEDURES	S	U	N/A	N/C
392.	480-93-180(1) / 192.605 (b)	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) **Page 104**	X			
393.		Patrolling surveys are required in business districts at intervals not exceeding 4½ months, but at least four times each calendar year .721 (b)(1) **Page 104**	X			
394.		Patrolling surveys are required outside business districts at intervals not exceeding 7½ months, but at least twice each calendar year .721 (b)(2) **Page 104**	X			
395.		Periodic leak surveys determined by the nature of the operations and conditions. .723 (a)& (b) **Page 104**	X			
396.		In business districts as specified, **1/yr (15 months)** .723(b)(1) **Pages 104, 107**	X			
397.		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) **Page 109**	X			

		SUBPART - M TEST REQUIREMENTS FOR REINSTATING SERVICE LINES	S	U	N/A	N/C
398.	480-93-180(1) / 192.605 (b)	Except for .725(b), disconnected service lines must be tested the same as a new service line. .725(a) **Page 64**	X			
399.		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) **Page 64**	X			

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Comments:

#400 -

		SUBPART - M ABANDONMENT or DEACTIVATION of FACILITIES PROCEDURES	S	U	N/A	N/C
400.	480-93-180(1) / 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) **Page 117**	X			
401.		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) **Page 117**	X			
402.		Whenever service to a customer is discontinued, do the procedures indicate one of the following: .727(d) **Page 117**				
403.		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) **Pages 72, 117, 138**	X			
404.		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) **Page 72**	X			
405.		The customer's piping must be physically disconnected from the gas supply and the open pipe ends sealed .727(d) (3) **Page 117**	X			
406.		If air is used for purging, the operator shall ensure that a combustible mixture is not present after purging .727 (e) **Page 103**	X			
407.		Operator must file reports upon abandoning underwater facilities crossing navigable waterways, including offshore facilities. .727(g) **No underwater facilities**			X	

Comments:

		SUBPART - M PRESSURE LIMITING and REGULATING STATION PROCEDURES	S	U	N/A	N/C
408.	480-93-180(1) / 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) **Page 117**	X			
409.		In good mechanical condition .739(a) (1) **Page 117**	X			
410.		Adequate from the standpoint of capacity and reliability of operation for the service in which it is employed .739(a)(2) **Page 117**	X			
411.		Set to control or relieve at correct pressures consistent with .201(a), except for .739(b). .739(a) (3) **Page 117**	X			
412.		Properly installed and protected from dirt, liquids, other conditions that may prevent proper oper. .739(a)(4) **Page 117**	X			
413.		For steel lines if MAOP is determined per .619(c) and the MAOP is 60 psi gage or more . . . .739(b)				

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414.	480-93-180(1) / 192.605 (b)		If MAOP produces hoop stress that	Then the pressure limit is:			X	
			Is greater than 72 percent of SMYS	MAOP plus 4 percent **No pipe above 20% SMYS**				
			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 **Page 117**				
415.	480-93-180(1) / 192.605 (b)	Pressure limiting and regulating stations: Telemetering or recording gages 192.741(a) thru (c) **Buckley has neither telemetering nor recording gauges**					X	
416.		Testing of Relief Devices .743 (a) thru (c) **Page 118**			X			

Comments:

		SUBPART - M VALVE AND VAULT MAINTENANCE PROCEDURES	S	U	N/A	N/C
417.	480-93-180(1) / 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)	X			
		Transmission Valves				
418.	480-93-180(1) / 192.605 (b)	Inspect and partially operate each transmission valve that might be required during an emergency **(1 per yr/15 months)** .745(a) **No transmission in Buckley**			X	
419.		Prompt remedial action required, or designate alternative valve .745(b) **Page 128**	X			
		Distribution Valves				
420.	480-93-180(1) / 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) **Page 127**	X			
421.		Prompt remedial action required, or designate alternative valve .747(b) **Page 128**	X			
		Service Valves	**S**	**U**	**N/A**	**N/C**
422.	480-93-180(1) / 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)? **Pages 127, 128**	X			
423.		Service valve maintenance **(1 per yr/15 months)** 480-93-100(3) **Page 129**	X			
424.		Service valve installation and maintenance program fully implemented by 6/01/07? 480-93-100(4) **Pages 129, 139, 140, 203, 204, 205**	X			
		Vaults				
425.	480-93-180(1) / 192.605 (b)	Inspection of vaults greater than **200 cubic feet (1 per yr/15 months)** .749 **Buckley has no pits or vaults.**			X	

		SUBPART - M PREVENTION of ACCIDENTAL IGNITION PROCEDURES	S	U	N/A	N/C
426.	480-93-180(1) / 192.605 (b)	Reduce the hazard of fire or explosion by: (a) When a hazardous amount of gas is being vented into open air, each potential source of ignition must be removed from the area and a fire extinguisher must be provided. (b) Gas or electric welding or cutting may not be performed on pipe or on pipe components that contain a combustible mixture of gas and air in the area of work. (c) Post warning signs, where appropriate. 192.751 (a) thru (c) **Page 58**	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.

Comments:

		SUBPART - M CAULKED BELL AND SPIGOT JOINTS PROCEDURES	S	U	N/A	N/C
427.	480-93-180(1) / 192.605 (b)	Cast-iron caulked bell and spigot joint repair: .753 **Buckley has no cast iron pipe.**			X	
428.		• 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) **Buckley has no cast iron pipe.**			X	
429.		• When subject to 25 psig or less, joints, when exposed for any reason, must be sealed by means other than caulking .753(b) **Buckley has no cast iron pipe.**			X	

		SUBPART - M PROTECTING CAST-IRON PIPELINE PROCEDURES	S	U	N/A	N/C
430.	480-93-180(1) / 192.605 (b)	Operator has knowledge that the support for a segment of a buried cast-iron pipeline is disturbed must provide protection. .755 **Buckley has no cast iron pipe.**				
431.		• Vibrations from heavy construction equipment, trains, trucks, buses or blasting? .755(a) **Buckley has no cast iron pipe.**			X	
432.		• Impact forces by vehicles? .755(b) **Buckley has no cast iron pipe.**			X	
433.		• Earth movement? .755(c) **Buckley has no cast iron pipe.**			X	
434.		• Other foreseeable outside forces which might subject the segment of pipeline to a bending stress .755(d) **Buckley has no cast iron pipe.**			X	
435.		Provide permanent protection for the disturbed section as soon as feasible .755(e) **Buckley has no cast iron pipe.**			X	

Comments:

		SUBPART N — QUALIFICATION of PIPELINE PERSONNEL	S	U	N/A	N/C
Date of last UTC staff OQ plan review						
436.	192.801 192.809	Any revisions to plan since last review? Yes X No If yes, review revisions made. **Current revision is 7th revision 2/19/09**	X			
437.	480-93-180(1)	Have "New Construction" activities been identified and included in the operator's covered task list? 480-93-013 **Pages 145-156**	X			

Comments:

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FILING REQUIREMENTS for DESIGN, SPECIFICATION, and CONSTRUCTION			**S**	**U**	**N/A**	**N/C**
438.	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) **Page 9, 59**	X			
439.	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) **Page 9, 59**	X			

MAPS, DRAWINGS, and RECORDS of GAS FACILITIES			**S**	**U**	**N/A**	**N/C**
440.	480-93-180(1)	Records updated no later then **6 months** from completion of construction activity and made available to appropriate personnel. 480-93-018(3) **Page 97**	X			

PROXIMITY CONSIDERATIONS			**S**	**U**	**N/A**	**N/C**
441.	480-93-180(1)	Each operator must submit a written request and receive commission approval prior to: 480-93-20(1) **Page 9**	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) **Buckley does not operate above 250 psig**				
442.	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) **Buckley does not operate above 250 psig**			X	
443.	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) **Buckley does not operate above 250 psig**			X	
444.	480-93-180(1)	• A public highway, as defined in RCW 81.80.010(3). 480-93-20 (1)(a)(iii) **Buckley does not operate above 250 psig**			X	
445.	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) **Buckley does not operate above 250 psig**			X	
446.	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) **Buckley does not operate above 250 psig**			X	
447.	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) **Buckley does not operate above 250 psig**			X	
448.	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. **Buckley does not operate above 250 psig** 480-93-20(2)			X	

Recent Pipeline Safety Advisory Bulletins

Leave list with operators

ADB-07-01	Apr 23, 07	Senior Executive Signature and Certification of Integrity Management Program Performance Reports
ADB-07-02	Sep 6, 07	Updated Notification of the Susceptibility of Older Plastic Pipes to Premature Brittle-Like Cracking.
ADB-08-01	May 13, 08	Notice to Operators of Gas Transmission Pipelines on the Regulatory Status of Direct Sales Pipelines
ADB-08-02	Mar 4, 08	Identifying Issues with Mechanical Coupling That Could Lead to Failure
ADB-08-06	Jul 5, 08	Dynamic Riser Inspection, Maintenance, and Monitoring Records on Offshore Floating Facilities.
ADB-08-04	Jun 5, 08	Installation of Excess Flow Valves into Gas Service Lines.
ADB-08-03	Mar 10, 08	Dangers of Abnormal Snow and Ice Build-Up on Gas Distribution Systems