

**Utilities and Transportation Commission
Standard Inspection Report for Intrastate Gas Systems
Operations and Maintenance Procedures and Plan Review**

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.

GAS SYSTEM OPERATIONS

Gas Supplier Williams Northwest		
Operating Pressure(s):	MAOP (Within last year)	Actual Operating Pressure (At time of Inspection)
Feeder: Williams		250 psig
Town:		
Other:		
Does the operator have any transmission pipelines? Ammonia Line		

Pipe Specifications:

Year Installed (Range)	1987	Pipe Diameters (Range)	3-inch
Material Type	Steel	Line Pipe Specification Used	A106 grade B, 0.212"
Mileage	.84 M	SMYS %	8.9%

49 CFR PART 191 & CHAPTER 480-93 WAC

REPORTING PROCEDURES

		S	U	N/A	N/C
480-93-180 (1)	Telephonic reports to NRC (800-424-8802) 191.5	x			
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)	x			
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)		x		
480-93-180 (1)	Annual reports; (DOT Form F 7100.1) 191.11	x			
480-93-180 (1)	30 day written incident (federal) reports; (DOT Form F 7100.2) 191.15(a)	x			
480-93-180 (1)	Supplemental incident reports 191.15(b)	x			
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)	x			
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)		x		
480-93-180 (1)	Annual Report (DOT Form PHMSA F-7100.2-1) 191.17(a)	x			
	Annual Reports filed no later than March 15 for the proceeding calendar year 480-93-200(6) (eff 6/02/05)				
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)	x			
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)		x		
480-93-180 (1)	Annual report on construction defects or material failures 480-93-200(6)(c) (eff 6/02/05)		x		
480-93-180 (1)	Providing updated emergency contact information to the Commission and appropriate officials 480-93-200(7) (eff 6/02/05)		x		
480-93-180 (1)	Providing daily construction and repair activities reports 480-93-200(8) (eff 6/02/05)		x		
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)		x		
480-93-180 (1)	Safety related condition reports (SRCR) 191.23	x			
480-93-180 (1)	Filing the SRCR within 5 days of determination, but not later than 10 days after discovery 191.25	x			
480-93-180 (1)	Abandoned facilities offshore, onshore crossing commercially navigable waterways reports 192.727(g)			x	

Documentation Reviewed:

Document Title	Document/Section Number	Revision Date
Standard Operating & Maintenance Procedure	Procedure 1.01	4/11/05

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Manual for Natural Gas		
Standard Operating & Maintenance Procedure Manual for Natural Gas	Procedure 1.04	4/9/02
Standard Operating & Maintenance Procedure Manual for Natural Gas	Procedure 1.02	2/24/02

Comments:

System does not cross navigable waterways

49 CFR PART 192 SUBPART A – GENERAL CHAPTER 480-93 WAC – GAS COMPANIES---SAFETY		S	U	N/A	N/C
480-93-180 (1)	New customers notified, within 90 days, of their responsibility for those service lines not maintained by the operator 192.16			x	
480-93-180 (1)	Does the excess flow valve meet the performance standards prescribed under §192.381?			x	
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?			x	
480-93-180 (1)	If no voluntary program for EFV installations, are customers notified in accordance with §192.383?			x	
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			x	
480-93-180 (1)	Conversion to Service - Any pipelines previously used in service not subject to Part 192? 192.14			x	

Documentation Reviewed:

Document Title	Document/Section Number	Revision Date

Comments:

Operator does not have customers. Conversion of service pipe usage is improbable.

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				
480-93-180 (1)	For steel pipe, manufactured in accordance with and meet the listed specification found under Appendix B 192.55		x		
	For new plastic pipe, qualified for use under this part if: 192.59(a)				
480-93-180 (1)	<ul style="list-style-type: none"> • 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) 			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
480-93-180 (1)	<ul style="list-style-type: none"> 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) 			x	
480-93-180 (1)	Marking of Materials 192.63		x		

Documentation Reviewed:		
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Comments:
No plastic pipe in system

SUBPART C – PIPE DESIGN					
Procedures for assuring that the minimum requirements for design of pipe are met		S	U	N/A	N/C
For Steel Pipe					
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	x			
480-93-180 (1)	Design formula for steel pipe. 192.105(a)	x			
480-93-180 (1)	Yield strength (S) for steel pipe. 192.107 (a) & (b)	x			
480-93-180 (1)	Nominal wall thickness (t) for steel pipe. 192.109 (a) & (b)	x			
480-93-180 (1)	Design factor (F) for steel pipe. 192.111 (a) thru (d)	x			
480-93-180 (1)	Longitudinal joint factor (E) for steel pipe. 192.113	x			
480-93-180 (1)	Temperature derating factor (T) for steel pipe. 192.115	x			
For Plastic Pipe					
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			x	
480-93-180 (1)	For assuring that the design limitations for plastic pipe are not exceeded. 192.123 (a) thru (e)			x	

Documentation Reviewed:		
Document Title	Document/Section Number	Revision Date
Standard Operating & Maintenance Procedure Manual for Natural Gas	Procedure 8.01	12/2/03

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Comments:

No PE in system

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				
	General requirements.... 192.143		x		
480-93-180 (1)	Qualifying metallic components. 192.144 (a) & (b)		x		
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		
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)		x		
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)		x		
480-93-180 (1)	Components fabricated by welding. 192.153 (a) thru (d)		x		
480-93-180 (1)	Welded branch connections. 192.155		x		
480-93-180 (1)	Flexibility. 192.159		x		
480-93-180 (1)	Supports and Anchors 192.161(a) (a) thru (f)		x		
	Compressor Stations				
480-93-180 (1)	Compressor stations: Design and construction. 192.163 (a) thru (e)			x	
480-93-180 (1)	Compressor stations: Liquid removal. 192.165 (a) & (b)			x	
480-93-180 (1)	Compressor stations: Emergency shutdown. 192.167 (a) thru (c)			x	
480-93-180 (1)	Compressor stations: Pressure limiting devices. 192.169 (a) & (b)			x	
480-93-180 (1)	Compressor stations: Additional safety equipment. 192.171 (a) thru (e)			x	
480-93-180 (1)	Compressor stations: Ventilation. 192.173			x	
480-93-180 (1)	Pipe-type and bottle-type holders. 192.175			x	
480-93-180 (1)	Additional provisions for bottle-type holders. 192.177			x	
480-93-180 (1)	Transmission line valves. 192.179 (a) thru (d)		x		
480-93-180 (1)	Distribution line valves. 192.181(a) thru (c)		x		
480-93-180 (1)	Vaults: Structural design requirements 192.183 (a) thru (c)			x	
480-93-180 (1)	Vaults: Accessibility 192.185 (a) thru (c)			x	
480-93-180 (1)	Vaults: Sealing, venting, and ventilation. 192.187 (a) thru (c)			x	
480-93-180 (1)	Vaults: Drainage and waterproofing 192.189 (a) thru (c)			x	
480-93-180 (1)	Design pressure of plastic fittings 192.191 (a) & (b)			x	
480-93-180 (1)	Valve installation in plastic pipe. 192.193			x	
480-93-180 (1)	Protection against accidental over-pressuring 192.195 (a) & (b)		x		

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SUBPART D – DESIGN OF PIPELINE COMPONENTS		S	U	N/A	N/C
480-93-180 (1)	Control of the pressure of gas delivered from high-pressure distribution systems. 192.197 (a) thru (c)			x	
480-93-180 (1)	Except for rupture discs, each pressure relief or pressure limiting device must: 192.199 (a) thru (h)		x		
480-93-180 (1)	Required capacity of pressure relieving and limiting stations. 192.201(c)		x		
480-93-180(1)	Instrument, Control, and Sampling Pipe and Components 192.203(a) & (b)			x	

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Comments:

No compressor station, vaults or distribution in system

SUBPART E – WELDING OF STEEL IN PIPELINES		S	U	N/A	N/C
WAC 480-93-080 – WELDER & PLASTIC JOINER IDENTIFICATION and QUALIFICATION					
480-93-180(1)	Welding procedures must be qualified under Section 5 of API 1104 (19 th ed.1999, 10/31/01 errata) or Section IX of ASME Boiler and Pressure Code (2001 ed.) by destructive test. .225(a)		x		
480-93-180(1)	Retention of welding procedure -- details and test .225(b)		x		
480-93-180(1)	Welders must be qualified by Section 6 of API 1104 (19 th ed.1999, 10/31/01 errata) or Section IX of ASME Boiler and Pressure Code (2001 ed.) See exception in .227(b). .227(a)		x		
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)			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
480-93-180(1)	<ul style="list-style-type: none"> • Nominal two-inch or smaller branch connections to nominal six-inch or smaller main or service pipe. 480-93-080(1)(a)(i) 			x	
480-93-180(1)	<ul style="list-style-type: none"> • Nominal two-inch or smaller below ground butt welds 480-93-080(1)(a)(ii) 			x	
480-93-180(1)	<ul style="list-style-type: none"> • Nominal four-inch or smaller above ground manifold and meter piping operating at 10 psig or less. 480-93-080(1)(a)(iii) 			x	
480-93-180(1)	<ul style="list-style-type: none"> • Appendix C Welders re-qualified 2/Yr (7.5Months) 480-93-080(1)(a)(iv) 			x	
480-93-180(1)	Use of testing equipment to record and document essential variables 480-93-080(1)(b) (eff 6/02/05)		x		
480-93-180(1)	Qualified written welding procedures must be located on-site where welding is being performed 480-93-080(1)(d)		x		
480-93-180(1)	Identification and qualification cards/certificates w/name of welder/joiner, their qualifications, date of		x		

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	qualification and operator whose qualification procedures were followed. 480-93-080(3) (eff 6/02/05)				
480-93-180(1)	To weld on compressor station piping and components, a welder must successfully complete a destructive test .229(a)			x	
480-93-180(1)	Welder must have used welding process within the preceding 6 months .229(b)		x		
480-93-180(1)	A welder qualified under .227(a)... .229(c)				
480-93-180(1)	<ul style="list-style-type: none"> May not weld on pipe that operates at \geq 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) 			x	
480-93-180(1)	<ul style="list-style-type: none"> 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) 			x	
	Welders qualified under .227(b) may not weld unless: .229(d)	S	U	N/A	N/C
480-93-180(1)	<ul style="list-style-type: none"> Re-qualified within 1 year/15 months, or .229(d)(1) 			x	
480-93-180(1)	<ul style="list-style-type: none"> Within 7½ months but at least twice per year had a production weld pass a qualifying test .229(d)(2) 			x	
480-93-180(1)	Welding operation must be protected from weather .231			x	
480-93-180(1)	Miter joints (consider pipe alignment) .233			x	
480-93-180(1)	Welding preparation and joint alignment .235			x	
480-93-180(1)	Visual inspection must be conducted by an individual qualified by appropriate training and experience to ensure: .241(a) thru (c)			x	
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)			x	
480-93-180(1)	Repair or removal of defects.245 (a) thru (c)			x	
	<ul style="list-style-type: none"> Sleeve Repair – low hydrogen rod (Best Practices –ref. API 1104 App. B, In Service Welding) 				

Documentation Reviewed:

Document Title	Document/Section Number	Revision Date

Comments:

No compressor station piping in system
No appendix C welding at facility

SUBPART F - JOINING OF PIPELINE MATERIALS OTHER THAN BY WELDING		S	U	N/A	N/C
WAC 480-93-080 – WELDER & PLASTIC JOINER IDENTIFICATION and QUALIFICATION					
480-93-180(1)	Joining of plastic pipe .281 (a) thru (e)			x	
480-93-180(1)	Qualified joining procedures for plastic pipe must be in place .283 (a) thru (d)			x	

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480-93-180(1)	Persons making joints with plastic pipe must be qualified .285 (a) thru (d)				x
	Plastic pipe joiners re-qualified 1/Yr (15 Months) 480-93-080 (2) (eff 6/02/05)				
480-93-180(1)	<ul style="list-style-type: none"> Qualified written plastic joining procedures must be located on-site where plastic joining is being performed. 480-93-080(2)(a) 				x
480-93-180(1)	<ul style="list-style-type: none"> Plastic pipe joiners re-qualified if no production joints made during any 12 month period 480-93-080(2)(b) (eff 6/02/05) 				x
480-93-180(1)	<ul style="list-style-type: none"> Tracking production joints or re-qualify joiners 1/Yr (12Months) 480-93-080(2)(c) (eff 6/02/05) 				x
480-93-180(1)	Persons inspecting plastic joints must be qualified .287				x

Documentation Reviewed:		
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Comments:
No PE in system

SUBPART G – CONSTRUCTION REQUIREMENTS for TRANSMISSION LINES and MAINS		S	U	N/A	N/C
480-93-180(1)	Compliance with specifications or standards. 192.303		x		
480-93-180(1)	Inspection of each transmission line and main during construction 192.305		x		
480-93-180(1)	Inspection of materials 192.307		x		
480-93-180(1)	Repair of steel pipe 192.309 (a) thru (e)		x		
480-93-180(1)	Repair of plastic pipe. 192.311			x	
480-93-180(1)	Bends and elbows. 192.313 (a) thru (c)		x		
480-93-180(1)	Wrinkle bends in steel pipe. 192.315 (a) & (b)		x		
480-93-180(1)	Protection from hazards 192.317 (a) thru (c)		x		
480-93-180(1)	Installation of Pipe in a ditch 192.319 (a) thru (c)		x		
480-93-180(1)	Installation of plastic pipe. 192.321 (a) thru (h)			x	
480-93-178 WAC PROTECTION OF PLASTIC PIPE		S	U	N/A	N/C
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)			x	
480-93-180(1)	Stated acceptable time limit for maximum cumulative ultraviolet light exposure 480-93-178 (2) eff 6/02/06)			x	
480-93-180(1)	Separation requirements when installing plastic pipelines parallel to other underground utilities 480-93-178 (4) eff 6/02/06)			x	
480-93-180(1)	Separation requirements when installing plastic pipelines perpendicular to other underground utilities 480-93-178 (5) eff 6/02/06)			x	
480-93-180(1)	Casings 192.323 (a) thru (d)		x		
480-93-180(1)	Casing of pipelines. 480-93-115 (1) thru (4)		x		
480-93-180(1)	Underground clearance. 192.325 (a) thru (d).		x		
480-93-180(1)	Cover. 192.327 (a) thru (g)		x		

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Comments:
 No services in system

SUBPART I - CORROSION CONTROL		S	U	N/A	N/C
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		x		
480-93-180(1)	For pipelines installed after July 31, 1971 , buried segments must be externally coated and cathodically protected within one year after construction (see exceptions in code) .455 (a)	x			
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)		x		
480-93-180(1)	All effectively coated steel transmission pipelines installed prior to August 1, 1971 , must be cathodically protected .457 (a)			x	
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)			x	
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)		x		
480-93-180(1)	Examination of buried pipeline when exposed: if corrosion is found, further investigation is required .459	x			
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)	x			
480-93-180(1)	CP test reading on all exposed facilities where coating has been removed 480-93-110(8) (eff 6/02/05)		x		
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
480-93-180(1)	Cathodic protection level according to Appendix D criteria .463	x			
480-93-180(1)	Pipe-to-soil monitoring (1 per yr/15 months) .465(a)	x			
480-93-180(1)	Rectifier monitoring (6 per yr/2½ months) .465(b)	x			
480-93-180(1)	Interference bond monitoring (as required) .465(c)	x			
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)	x			
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)	x			
480-93-180(1)	Sufficient test stations to determine CP adequacy .469	x			
480-93-180(1)	Test lead maintenance .471				
480-93-180(1)	Interference currents .473	x			
480-93-180(1)	Proper procedures for transporting corrosive gas? .475(a)	x			
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)	x			
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)	x			
480-93-180(1)	Internal corrosion control coupon (or other suit. Means) monitoring (2 per yr/7½ months) .477	x			
480-93-180(1)	Each exposed pipe must be cleaned and coated (see exceptions under .479(c)) .479(a)	x			
480-93-180(1)	Offshore splash zones and soil-to-air interfaces must be coated			x	

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480-93-180(1)	• Coating material must be suitable .479(b)	x			
480-93-180(1)	Coating is not required where operator has proven that corrosion will: .479(c)				
480-93-180(1)	1. Only be a light surface oxide, or .479(c)(1)			x	
480-93-180(1)	2. Not affect safe operation before next scheduled inspection .479(c)(2)			x	
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			
480-93-180(1)	Atmospheric corrosion control monitoring (1 per 3 yrs/39 months onshore; 1 per yr/15 months offshore) .481(a)	x			
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)	x			
480-93-180(1)	Protection must be provided if atmospheric corrosion is found (per §192.479) .481(c)		x		
480-93-180(1)	Replacement and required pipe must be coated and cathodically protected (see code for exceptions) .483	x			
480-93-180(1)	Procedures to replace pipe or reduce the MAOP if general corrosion has reduced the wall thickness? .485(a)	x			
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)	x			
480-93-180(1)	Procedures to use Rstreng or B-31G to determine remaining wall strength? .485(c)	x			
480-93-180(1)	Remedial measures (distribution lines other than cast iron or ductile iron) .487			x	
480-93-180(1)	Remedial measures (cast iron and ductile iron pipelines) .489			x	
480-93-180(1)	Records retained for each cathodic protection test, survey, or inspection required by 49 CFR Subpart I, and chapter 480-93 WAC. 480-93-110 (eff 6/02/05)	x			
480-93-180(1)	Corrosion control maps and record retention (pipeline service life or 5 yrs) .491	x			
WAC 480-93-110 Corrosion Requirements		S	U	N/A	N/C
480-93-180(1)	Casings inspected/tested annually not to exceed fifteen months 480-93-110(5) (eff 6/02/05)	x			
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)		x		
480-93-180(1)	Possible shorted conditions – Perform confirmatory follow-up inspection within 90 days 480-93-110(5)(b) (eff 6/02/05)		x		
480-93-180(1)	Casing shorts cleared when practical 480-93-110(5)(c) (eff 6/02/05)		x		
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)		x		
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)		x		

Documentation Reviewed:		
Document Title	Document/Section Number	Revision Date
Standard Operating & Maintenance Procedure Manual for Natural Gas	Section 6.02	5/24/03
Standard Operating & Maintenance Procedure Manual for Natural Gas	Section 6.03	4/1/02
Standard Operating & Maintenance Procedure Manual for Natural Gas	Section 6.01	4/2/02
Standard Operating & Maintenance Procedure Manual for Natural Gas	Section 6.04	3/24/02
Standard Operating & Maintenance Procedure Manual for Natural Gas	Section 6.05	9/25/03
Standard Operating & Maintenance Procedure Manual for Natural Gas	Section 6.06	3/24/02
Standard Operating & Maintenance Procedure Manual for Natural Gas	Section 6.07	3/24/02
Standard Operating & Maintenance Procedure	Section 9.01	4/11/05

**Utilities and Transportation Commission
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S – Satisfactory U – Unsatisfactory N/A – Not Applicable N/C – Not Checked
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Manual for Natural Gas		
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Comments:
Line installed after 1971, no distribution in system.

SUBPART J – TEST REQUIREMENTS		S	U	N/A	N/C
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.	x			
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)			x	
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)	x			
480-93-180(1)	Test requirements for pipelines to operate below 100 psig. 192.509 (a) & (b)	x			
480-93-180(1)	Test requirements for service lines. 192.511 (a) thru (c)			x	
480-93-180(1)	Test requirements for plastic pipelines. 192.513 (a) thru (d)			x	
480-93-180(1)	Environmental protection and safety requirements. 192.515 (a) & (b)		x		
480-93-180(1)	Records 192.517 Refer also to 480-93-170 (7) (a-h) below.	x			

Documentation Reviewed:		
Document Title	Document/Section Number	Revision Date
Standard Operating & Maintenance Procedure Manual for Natural Gas	Procedure 14.01	2/24/02

Comments:

WAC 480-93-170 PRESSURE TEST PROCEDURES		S	U	N/A	N/C
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)		x		
480-93-180(1)	<ul style="list-style-type: none"> 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) 		x		
480-93-180(1)	<ul style="list-style-type: none"> 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) 		x		

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480-93-180(1)	<ul style="list-style-type: none"> 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) 			x	
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)			x	
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)			x	
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).		x		
480-93-180(1)	Maintain records of each test where multiple pressure tests are performed on a single installation. 480-93-170(9)		x		
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)		x		
480-93-180(1)	<ul style="list-style-type: none"> When there are no manufacturer's recommendations, then tested at an appropriate schedule determined by the operator. 		x		
480-93-180(1)	<ul style="list-style-type: none"> Test equipment must be tagged with the calibration or accuracy check expiration date. 		x		

Documentation Reviewed:		
Document Title	Document/Section Number	Revision Date

Comments:

SUBPART K - UPRATING				
		S	U	N/A/N/C
	Provisions for meeting the minimum requirements for increasing maximum allowable operating pressure (uprating) for pipelines.			
480-93-180(1)	General requirements. 192.553 (a) thru (d)	x		
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)	x		
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				
480-93-180(1)	Notification of uprate and submission of written plan 480-93-155 (1)		x	
480-93-180(1)	Content of written plan... 480-93-155 (1) (a) thru (j)		x	
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)		x	

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Standard Operating & Maintenance Procedure Manual for Natural Gas	Procedure 11.01	4/12/05

Comments:

SUBPART L - OPERATIONS		S	U	N/A	N/C
192.605(a)	Procedural Manual Review – Operations and Maintenance (1 per yr/15 months) 192.605(a)		x		
192.605(a)	Availability of construction records, maps, operating history to operating personnel 192.605(b)(3)	x			
192.605(a)	Start up and shut down of the pipeline to assure operation within MAOP plus allowable buildup 192.605(b)(5)	x			
192.605(a)	Periodic review of personnel work – effectiveness of normal O&M procedures 192.605(b)(8)		x		
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)	x			
192.605(a)	Routine inspection and testing of pipe-type or bottle-type holders 192.605(b)(10)			x	
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		

Documentation Reviewed:		
Document Title	Document/Section Number	Revision Date
Standard Operating & Maintenance Procedure Manual for Natural Gas	Procedure 3.06	4/4/02
Pipeline Specific Operating Manual(PSOM)	F1030201-2-07/2002, F1030202-2-07/2002, F1030401-2-07/2002	7/25/2002
Standard Operating & Maintenance Procedure Manual for Natural Gas	Procedure 13.04	2/24/02

Comments: No pipe or bottle type holders at facility

SUBPART L – OPERATIONS ABNORMAL OPERATING PROCEDURES – TRANSMISSION LINES		S	U	N/A	N/C
	Procedures for responding to, investigating, and correcting the cause of: 192.605(c)(1)				
192.605(a)	• Unintended closure of valves or shut downs 192.605(c)(1)(i)			x	
192.605(a)	• Increase or decrease in pressure or flow rate outside of normal operating limits 192.605(c)(1)(ii)			x	

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192.605(a)	• Loss of communications 192.605(c)(1)(iii)			x	
192.605(a)	• The operation of any safety device 192.605(c)(1)(iv)			x	
192.605(a)	• Malfunction of a component, deviation from normal operations or personnel error 192.605(c)(1)(v)			x	
192.605(a)	Checking variations from normal operation after abnormal operations ended at sufficient critical locations 192.605(c)(2)			x	
192.605(a)	Notifying the responsible operating personnel when notice of an abnormal operation is received 192.605(c)(3)			x	
192.605(a)	Periodic review of personnel work – effectiveness of abnormal operation procedures 192.605(c)(4)			x	

Documentation Reviewed:		
Document Title	Document/Section Number	Revision Date
Pipeline Specific Operating Manual	HE010301-2-07/2002	7/25/2002
Standard Operating & Maintenance Procedure Manual for Natural Gas	Procedure 3.06	4/04/02

Comments:
System is not considered a transmission line because of low throughput

SUBPART – L CHANGE in CLASS LOCATION PROCEDURES		S	U	N/A	N/C
192.605(a)	Class location study 192.609	x			
192.605(a)	Confirmation or revision of MAOP 192.611			x	

SUBPART – L CONTINUING SURVEILLANCE PROCEDURES		S	U	N/A	N/C
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)	x			
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)		x		

SUBPART – L DAMAGE PREVENTION PROGRAM PROCEDURES		S	U	N/A	N/C
192.605(a)	Participation in a qualified one-call program, or if available, a company program that complies with the following:	x			
192.605(a)	Identify persons who engage in excavating .614(c)(1)	x			
192.605(a)	Provide notification to the public in the One Call area .614(c)(2)	x			
192.605(a)	Provide means for receiving and recording notifications of pending excavations .614(c)(3)	x			
192.605(a)	Provide notification of pending excavations to the members .614(c)(4)	x			
192.605(a)	Provide means of temporary marking for the pipeline in the vicinity of the excavations .614(c)(5)	x			
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)	x			
192.605(a)	Inspection must be done to verify integrity of the pipeline .614(c)(6)(i)	x			
192.605(a)	After blasting, a leak survey must be conducted as part of the inspection by the operator .614(c)(6)(ii)	x			

Documentation Reviewed:		
Document Title	Document/Section Number	Revision Date
Standard Operating & Maintenance Procedure Manual for Natural Gas	Procedure 4.01	4/3/02

Utilities and Transportation Commission
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Standard Operating & Maintenance Procedure Manual for Natural Gas	Procedure 5.01	4/3/02
Standard Operating & Maintenance Procedure Manual for Natural Gas	Procedure 3.01	9/25/03

Comments:
 Chance of class location modification low.

SUBPART – L EMERGENCY PROCEDURES		S	U	N/A	N/C
192.615	Receiving, identifying, and classifying notices of events which require immediate response by the operator .615(a)(1)		x		
192.615	Establish and maintain communication with appropriate public officials regarding possible emergency .615(a)(2)		x		
192.615	Prompt response to each of the following emergencies: .615(a)(3)		x		
192.615	(i) Gas detected inside a building		x		
192.615	(ii) Fire located near a pipeline		x		
192.615	(iii) Explosion near a pipeline		x		
192.615	(iv) Natural disaster		x		
192.615	Availability of personnel, equipment, instruments, tools, and material required at the scene of an emergency .615(a)(4)		x		
192.615	Actions directed towards protecting people first, then property .615(a)(5)		x		
192.615	Emergency shutdown or pressure reduction to minimize hazards to life or property .615(a)(6)		x		
192.615	Making safe any actual or potential hazard to life or property .615(a)(7)		x		
192.615	Notifying appropriate public officials required at the emergency scene and coordinating planned and actual responses with these officials .615(a)(8)		x		
192.615	Instructions for restoring service outages after the emergency has been rendered safe .615(a)(9)		x		
192.615	Investigating accidents and failures as soon as possible after the emergency .615(a)(10)		x		
192.615	Furnishing applicable portions of the emergency plan to supervisory personnel who are responsible for emergency action .615(b)(1)		x		
192.615	Training appropriate employees as to the requirements of the emergency plan and verifying effectiveness of training .615(b)(2)		x		
192.615	Reviewing activities following emergencies to determine if the procedures were effective .615(b)(3)		x		
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)		x		

Documentation Reviewed:

Document Title	Document/Section Number	Revision Date

Comments:

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SUBPART – L PUBLIC AWARENESS PROCEDURES		S	U	N/A	N/C
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		
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
192.617	Analyzing accidents and failures including laboratory analysis where appropriate to determine cause and prevention of recurrence .617	x			

Documentation Reviewed:		
Document Title	Document/Section Number	Revision Date
Standard Operating & Maintenance Procedure Manual for Natural Gas	Procedure 3.03	4/9/02
Standard Operating & Maintenance Procedure Manual for Natural Gas	Procedure 1.03	2/24/02

Comments:	
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SUBPART – L MAOP PROCEDURES		S	U	N/A	N/C
192.605(a)	Establishing MAOP so that it is commensurate with the class location .619		x		
192.605(a)	MAOP can be determined by:				
192.605(a)	• Design and test or ; .619(a)		x		
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)		x		
192.605(a)	MAOP - High Pressure Distribution Systems .621			x	
192.605(a)	Max./Min. Allowable Operating Pressure - Low Pressure Distribution Systems .623			x	

Documentation Reviewed:		
Document Title	Document/Section Number	Revision Date

Comments:	
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System designed as transmission system.

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

Documentation Reviewed:		
Document Title	Document/Section Number	Revision Date
Standard Operating & Maintenance Procedure Manual for Natural Gas	Procedure 10.01	2/24/02

Comments:

SUBPART – L TAPPING PIPELINES UNDER PRESSURE PROCEDURES		S	U	N/A	N/C
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	x			

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

Documentation Reviewed:		
Document Title	Document/Section Number	Revision Date
Standard Operating & Maintenance Procedure Manual for Natural Gas	Procedure 9.05	2/24/02
Standard Operating & Maintenance Procedure Manual for Natural Gas	Procedure 9.03	2/24/02

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Comments:

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

Documentation Reviewed:

Document Title	Document/Section Number	Revision Date
Standard Operating & Maintenance Procedure Manual for Natural Gas	Procedure 5.01	4/3/02

Comments:

SUBPART - M TRANSMISSION LINES - PATROLLING & LEAKAGE SURVEY PROCEDURES			S	U	N/A	N/C
192.605(b)	Patrolling ROW conditions .705(a)		x			
192.605(b)	Maximum interval between patrols of lines: .705 (b)					
192.605(b)	Class Location	At Highway and Railroad Crossings	x			
	1 and 2	2/yr (7½ months)				
	3	4/yr (4½ months)				
	4	4/yr (4½ months)				
192.605(b)	Leakage surveys – 1 year/15 months .706		x			
192.605(b)	Leak detector equipment survey requirements for lines transporting un-odorized gas				x	
192.605(b)	(a) Class 3 locations - 7½ months but at least twice each calendar year				x	
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
480-93-180(1)	Procedures for the prompt investigation of any notification of a leak, explosion, or fire, which may involve gas pipelines or other gas facilities. • received from any outside source such as a police or fire department, other utility, contractor,		x		

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	customer, or the general public 480-93-185(1)			
480-93-180(1)	• Grade leak in accordance with WAC 480-93-186, and take appropriate action 480-93-185(1)		x	
480-93-180(1)	• retain the leak investigation record for the life of the pipeline. 480-93-185(1)	x		
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)		x	
480-93-180(1)	Taking appropriate action when leak indications originating from a foreign source. Notification requirements. 480-93-185(3)		x	

WAC 480-93-186 LEAK EVALUATION		S	U	N/A	N/C
480-93-180(1)	Grade leaks as defined in WAC 480-93-18601 to establish the leak repair priority. 480-93-186(1)		x		
480-93-180(1)	procedure for evaluating the concentration and extent of gas leakage 480-93-186(2)		x		
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)		x		
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)		x		

Documentation Reviewed:		
Document Title	Document/Section Number	Revision Date
Standard Operating & Maintenance Procedure Manual for Natural Gas	Procedure 5.02	4/11/05
Standard Operating & Maintenance Procedure Manual for Natural Gas	Procedure 1.01	4/11/05

Comments:

Gas is odorized

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)				
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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Document Title	Document/Section Number	Revision Date

Comments:

WAC 480-93-188 GAS LEAK SURVEYS		S	U	N/A	N/C
480-93-180(1)	gas leak surveys using a gas detection instrument covering areas listed in 480-93-188(1)(a-e)		x		
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		x		
480-93-180(1)	Surveys conducted according to the minimum frequencies outlined under 480-93-188(3)(a-d)		x		
480-93-180(1)	Surveys conducted under the following circumstances outlined under 480-93-188(4)(a-e)		x		
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)		x		
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)		x		
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
192.605(b)	Transmission lines: Patrolling. 192.705 (a) thru (c)	x			
192.605(b)	Transmission lines: Leakage surveys. 192.706 (a) & (b)	x			

Document Title	Document/Section Number	Revision Date
Standard Operating & Maintenance Procedure Manual for Natural Gas	Procedure 5.02	4/11/05

Comments:

PIPELINE MARKERS PROCEDURES		S	U	N/A	N/C
480-93-180(1)	Placement of markers - railroad, road, irrigation and drainage ditch crossings... 480-93-124 (1) (eff 6/02/05)		x		
480-93-180(1)	Placement of markers - Separation/Other locations... 480-93-124 (2) (eff 6/02/05) & 192.707		x		

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480-93-180(1)	Installed at each end of bridges or other spans / Inspected 1/YR (15 Months) 480-93-124 (3)		x		
480-93-180(1)	Markers reported missing or damaged replaced within 45 days? 480-93-124(4) (eff 6/02/05)		x		
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)		x		
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)		x		

Document Title	Document/Section Number	Revision Date

Comments:

SUBPART - M		S	U	N/A	N/C
TRANSMISSION RECORD KEEPING PROCEDURES					
192.605 (b)	Records must be maintained... .709	x			
192.605 (b)	(a) Repairs to the pipe – life of system	x			
192.605 (b)	(b) Repairs to “other than pipe” – 5 years	x			
192.605 (b)	(c) Operation (Sub L) and Maintenance (Sub M) patrols, surveys, tests – 5 years or until next one	x			

SUBPART - M		S	U	N/A	N/C
TRANSMISSION LINE FIELD REPAIR PROCEDURES					
Imperfections and Damages					
192.605 (b)	Repairs of imperfections and damages on pipelines operating above 40% SMYS				
192.605 (b)	• Cut out a cylindrical piece of pipe and replace with pipe of ≥ design strength .713(a)(1)			X*	
192.605 (b)	• Use of a reliable engineering method .713(a)(2)			X*	
192.605 (b)	Reduce operating pressure to a safe level during the repair .713(b)			X*	
Permanent Field Repair of Welds					
192.605 (b)	Welds found to be unacceptable under §192.241(c) must be repaired by: .715				
192.605 (b)	(a) Taking the line out of service and repairing in accordance with §192.245:	x			
192.605 (b)	• Cracks longer than 8% of the weld length (except offshore) must be removed	x			
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			
192.605 (b)	• Repairs must be inspected to ensure acceptability	x			
192.605 (b)	• Crack repairs or defect repairs in previously repaired areas must be done in accordance with qualified written welding procedures	x			
192.605 (b)	(b) If the line remains in service, the weld may be repaired in accordance with §192.245 if:				
192.605 (b)	• The weld is not leaking (1)	x			
192.605 (b)	• he pressure is reduced to produce a stress that is 20% of SMYS or less (2)	x			
192.605 (b)	• Grinding is limited so that ¼ inch of pipe weld remains (3)	x			

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SUBPART - M TRANSMISSION LINE FIELD REPAIR PROCEDURES		S	U	N/A	N/C
192.605 (b)	<ul style="list-style-type: none"> If the weld cannot be repaired in accordance with (a) or (b) above, a full encirclement welded split sleeve must be installed (c) 	x			
Permanent Field Repair of Welds					
192.605 (b)	Field repairs of leaks must be made as follows: .717				
192.605 (b)	<ul style="list-style-type: none"> Replace by cutting out a cylinder and replace with pipe similar or of greater design (a) 	x			
192.605 (b)	<ul style="list-style-type: none"> 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			
192.605 (b)	<ul style="list-style-type: none"> A leak due to a corrosion pit may be repaired by installing a bolt on leak clamp (b)(2) 	x			
192.605 (b)	<ul style="list-style-type: none"> 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 ½ D of the pipe size (b)(3) 			X**	
192.605 (b)	<ul style="list-style-type: none"> 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!	
192.605 (b)	<ul style="list-style-type: none"> Apply reliable engineering method (b)(5) 			x	
Testing of Repairs					
192.605 (b)	Replacement pipe must be pressure tested to meet the requirements of a new pipeline .719(a)				
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)			X*	

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Standard Operating & Maintenance Procedure Manual for Natural Gas	Procedure 2.01	4/9/02
Standard Operating & Maintenance Procedure Manual for Natural Gas	Procedure 14.02	2/24/02
Standard Operating & Maintenance Procedure Manual for Natural Gas	Procedure 9.06	4/12/05
Standard Operating & Maintenance Procedure Manual for Natural Gas	Procedure 9.01	4/11/05

Comments:

*Line is operated at <10% SMYS
 **This type of repair is not permitted in the O&M Manual
 !No navigable waters crossings by pipeline
 Line being treated as distribution because of low throughput.

SUBPART - M DISTRIBUTION SYSTEM PATROLLING & LEAKAGE SURVEY PROCEDURES		S	U	N/A	N/C
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)			x	
480-93-180(1)	Patrolling surveys are required in business districts at intervals not exceeding 4 ½ months, but at least four times each calendar year .721 (b)(1)			x	
480-93-180(1)	Patrolling surveys are required outside business districts at intervals not exceeding 7 ½ months, but at least twice each calendar year .721 (b)(2)			x	
480-93-180(1)	Periodic leak surveys determined by the nature of the operations and conditions. .723 (a)& (b)			x	
480-93-180(1)	In business districts as specified, 1/yr (15 months) .723(b)(1)			x	

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

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Comments:
System is not distribution and therefore there are no services.

SUBPART - M ABANDONMENT or DEACTIVATION of FACILITIES PROCEDURES		S	U	N/A	N/C
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)	x			
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)	x			
192.605 (b)	Whenever service to a customer is discontinued, do the procedures indicate one of the following: .727(d)				
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)			X*	
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)			X*	
192.605 (b)	The customer's piping must be physically disconnected from the gas supply and the open pipe ends sealed .727(d) (3)			X*	
192.605 (b)	If air is used for purging, the operator shall ensure that a combustible mixture is not present after purging .727 (e)	x			
192.605 (b)	Operator must file reports upon abandoning underwater facilities crossing navigable waterways, including offshore facilities. .727(g)			X**	

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Standard Operating & Maintenance Procedure Manual for Natural Gas	Procedure 12.01	2/24/02

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Comments:
*No service lines in system
**No navigable waters in system

SUBPART - M PRESSURE LIMITING and REGULATING STATION PROCEDURES		S	U	N/A	N/C						
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)	x									
192.605 (b)	In good mechanical condition .739(a) (1)	x									
192.605 (b)	Adequate from the standpoint of capacity and reliability of operation for the service in which it is employed .739(a)(2)	x									
192.605 (b)	Set to control or relieve at correct pressures consistent with .201(a), except for .739(b). .739(a) (3)	x									
192.605 (b)	Properly installed and protected from dirt, liquids, other conditions that may prevent proper oper. .739(a)(4)	x									
192.605 (b)	For steel lines if MAOP is determined per .619(c) and the MAOP is 60 psi gage or more739(b)										
192.605 (b)	<table border="1" style="width: 100%;"> <tr> <td style="width: 40%;">If MAOP produces hoop stress that</td> <td style="width: 60%;">Then the pressure limit is:</td> </tr> <tr> <td>Is greater than 72 percent of SMYS</td> <td>MAOP plus 4 percent</td> </tr> <tr> <td>Is unknown as a percent of SMYS</td> <td>A pressure that will prevent unsafe operation of the pipeline considering its operating and maintenance history and MAOP</td> </tr> </table>	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			X*	
	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										
192.605 (b)	Pressure limiting and regulating stations: Telemetering or recording gages 192.741(a) thru (c)			X**							
192.605 (b)	Testing of Relief Devices .743 (a) thru (c)	x									

Document Title	Document/Section Number	Revision Date
Standard Operating & Maintenance Procedure Manual for Natural Gas	Procedure 8.03	3/15/02

Comments:
*System operates at <10% SMYS
**No telemetering associated with gas transportation

SUBPART - M VALVE AND VAULT MAINTENANCE PROCEDURES		S	U	N/A	N/C
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)	x			
Transmission Valves					
192.605 (b)	Inspect and partially operate each transmission valve that might be required during an emergency (1 per yr/15 months) .745(a)	x			

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192.605 (b)	Prompt remedial action required, or designate alternative valve .745(b)		x		
Distribution Valves					
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)			x	
192.605 (b)	Prompt remedial action required, or designate alternative valve .747(b)			x	
Service Valves					
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)	S	U	N/A	N/C
192.605 (b)	Service valve maintenance (1 per yr/15 months) 480-93-100(3) (eff. 06/02/05)			x	
192.605 (b)	Service valve installation and maintenance program fully implemented by 6/01/07? 480-93-100(4) (eff. 06/02/05)			x	
Vaults					
192.605 (b)	Inspection of vaults greater than 200 cubic feet (1 per yr/15 months) .749			x	

SUBPART - M					
PREVENTION of ACCIDENTAL IGNITION PROCEDURES					
192.605 (b)	Reduce the hazard of fire or explosion by: 192.751 (a) thru (c)		x		

Document Title	Document/Section Number	Revision Date
Standard Operating & Maintenance Procedure Manual for Natural Gas	Procedure 7.01	2/24/02

Comments:
No distribution, services of vaults in system

SUBPART - M					
CAULKED BELL AND SPIGOT JOINTS PROCEDURES					
192.605 (b)	Cast-iron caulked bell and spigot joint repair: .753				
192.605 (b)	<ul style="list-style-type: none"> 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	
192.605 (b)	<ul style="list-style-type: none"> 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					
192.605 (b)	Operator has knowledge that the support for a segment of a buried cast-iron pipeline is disturbed must provide protection. .755				
192.605 (b)	<ul style="list-style-type: none"> Vibrations from heavy construction equipment, trains, trucks, buses or blasting? .755(a) 			x	
192.605 (b)	<ul style="list-style-type: none"> Impact forces by vehicles? .755(b) 			x	

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192.605 (b)	• Earth movement? .755(c)			x	
192.605 (b)	• Other foreseeable outside forces which might subject the segment of pipeline to a bending stress .755(d)			x	
192.605 (b)	Provide permanent protection for the disturbed section as soon as feasible .755(e)			x	

Documentation Reviewed:

Document Title	Document/Section Number	Revision Date

Comments:

No cast iron in system

SUBPART N — QUALIFICATION of PIPELINE PERSONNEL

		S	U	N/A	N/C
Date of last UTC staff OQ plan review 12/13/04					
192.801 192.809	Any revisions to plan since last review? Yes No x If yes, review revisions made.			x	
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)		x		

Documentation Reviewed:

Document Title	Document/Section Number	Revision Date

Comments:

No revisions made on plan.

FILING REQUIREMENTS for DESIGN, SPECIFICATION, and CONSTRUCTION

		S	U	N/A	N/C
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)		x		
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)		x		

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

PROXIMITY CONSIDERATIONS		S	U	N/A	N/C
480-93-180(1)	Each operator must submit a written request and receive commission approval prior to: 480-93-20(1)				
	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)				
480-93-180(1)	<ul style="list-style-type: none"> • 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) 		x		
480-93-180(1)	<ul style="list-style-type: none"> • 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) 		x		
480-93-180(1)	<ul style="list-style-type: none"> • A public highway, as defined in RCW 81.80.010(3). 480-93-20 (1)(a)(iii) 		x		
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
480-93-180(1)	<ul style="list-style-type: none"> • 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) 		x		
480-93-180(1)	<ul style="list-style-type: none"> • 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) 		x		
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		