

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

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

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

Inspection Report			
Inspection ID/Docket Number	6776		
Inspector Name & Submit Date	Scott Rukke, WUTC, 6/14/2016 Scott Anderson, WUTC		
Chief Eng Name & Review/Date	Joe Subsits, 6/15/2016		
Operator Information			
Name of Operator:	Cascade Natural gas	OP ID #:	2128
Name of Unit(s):	Longview		
Records Location:	1332 Vandercook Way, Longview		
Date(s) of Last (unit) Inspection:	March 25, 2013	Inspection Date(s):	June 6-9, 2016

Inspection Summary:
This inspection consisted of a records and field review of the Longview district which extends from Longview south to Woodland, WA. Operation & maintenance, Operator Qualification, Integrity Management, Drug and Alcohol, construction, and emergency response records were reviewed along with selected field facilities were inspected in the field. No violations were noted.

HQ Address: 8113 W. Grandridge Blvd Kennewick, WA 99336	System/Unit Name & Address: Longview District 1332 Vandercook Way Longview WA 98632
Co. Official: Eric Martuscelli, VP Operations Phone No.: 509-734-4585 Office Fax No.: 509-737-9803 Emergency Phone No.:	Phone No.: Fax No.: Emergency Phone No.:

Persons Interviewed	Title	Phone No.
Patti Chartrey	Pipeline Safety Specialist	360-373-1405
Chanda Marek	Director NW Region	360-405-4220
Vicky Ganow	Pipeline Safety Specialist	360-373-1405
Clint Mathews	District Manager	360-577-4810

WUTC staff conducted an abbreviated procedures inspection on 192 O&M and WAC items that changed since the last inspection. This checklist focuses on Records and Field items per a routine standard inspection. (check one below and enter appropriate date)			
<input checked="" type="checkbox"/>	Team inspection was performed (Within the past five years.) or,	Date:	2012
<input type="checkbox"/>	Other WUTC Inspector reviewed the O & M Manual (Since the last yearly review of the manual by the operator.)	Date:	Unknown

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<input checked="" type="checkbox"/>	OQ Program Review (PHMSA Form 14)	Date:	2014
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GAS SYSTEM OPERATIONS			
Gas Supplier		Williams Gas Pipeline NW	
Services: <i>Residential 2717 Commercial 1175 Industrial 43 Other N/A</i>			
Number of reportable safety related conditions last year		NONE	Number of deferred leaks in system
			15
Number of <u>non-reportable</u> safety related conditions last year		NONE	Number of third party hits last year
			11
Miles of transmission pipeline within unit (total miles and miles in class 3 & 4 areas)		5.5	Miles of main within inspection unit (total miles and miles in class 3 & 4 areas)
			207.1
Operating Pressure(s):		MAOP (Within last year)	Actual Operating Pressure (At time of Inspection)
Feeder:	Longview	499	462
	Kelso	250	232
	Castle Rock	152	135
	Kalama	300	286
	Woodland	150	141
Town:	Longview R1, R2, R8	36	28
	Kelso R20, R46	46	38
	Castle Rock R21	40	33
	Kalama R42	22	15
	Woodland R 47, R48	52	39
Other:	N/A	N/A	N/A
Does the operator have any transmission pipelines?		YES	
Compressor stations? Use Attachment 1.		N/A	

Pipe Specifications:			
Year Installed (Range)	1960 to present	Pipe Diameters (Range)	½” – 12”
Material Type	Steel and PE	Line Pipe Specification Used	API, 5L, 3408 PE, 2406 MDPE, X42, X52, X46
Mileage	207.1 main 69.2 services	SMYS %	Line #1 LV-Kelso HP Dist 26.56% (Grade assumed 24,000 psi) Line #7 – S LV HP 23.70% due to fitting specifications only (Grade - 52,000 psi) Line #8 8” Kalama HP 28.67% and 21.56% (Grade assumed 24,000 psi)

Operator Qualification Field Validation
Important: Per OPS, the OQ Field Inspection Protocol Form (Rev 4, May 2007) shall be used by the inspector as part of this standard inspection. When completed, the inspector will upload this information into the PHMSA OQ Database (OQDB) located at http://primis.phmsa.dot.gov/oqdb/home.oq Date Completed/Uploaded 06/09/2016

Integrity Management Field Validation

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Important: Per PHMSA, IMP Field Verification Form (**Rev 6/18/2012**) shall be used by the inspector as part of this standard inspection. When completed, the inspector will upload this information into the PHMSA IM Database (IMDB) located at <http://primis.phmsa.dot.gov/gasimp/home.gim> **Date Completed/Uploaded:** An IMP inspection is scheduled for later this year and will be done at that time.

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

REPORTING RECORDS			S	U	N/A	N/C
1.	49 U.S.C. 60132, Subsection (b)	<p>For Gas Transmission Pipelines and LNG Plants. Submission of Data to the National Pipeline Mapping System Under the Pipeline Safety Improvement Act of 2002 Updates to NMPS: Operators are required to make update submissions every 12 months if any system modifications have occurred. <u>If no modifications have occurred since the last complete submission (including operator contact information), send an email to opsgis@rspa.dot.gov stating that fact.</u> Include operator contact information with all updates.</p> <p>Reviewed notification.</p>	X			
2.	RCW 81.88.080	Pipeline Mapping System: Has the operator provided accurate maps (or updates) of pipelines, operating over two hundred fifty pounds per square inch gauge, to specifications developed by the commission sufficient to meet the needs of first responders?	X			
3.	191.5	<p>Immediate Notice of certain incidents to NRC (800) 424-8802, or electronically at http://www.nrc.uscg.mil/nrchp.html, and additional report if significant new information becomes available. Operator must have a written procedure for calculating an initial estimate of the amount of product released in an accident.</p> <p>CP 780 reporting requirements. Appendix 3 section 1.3. They have a chart in Sharepoint.</p>	X			
4.	191.7	<p>Reports (except SRCR and offshore pipeline condition reports) must be submitted electronically to PHMSA at http://portal.phmsa.dot.gov/pipeline at unless an alternative reporting method is authorized IAW with paragraph (d) of this section.</p> <p>None in this district.</p>			X	
5.	191.15(a)	<p>30-day follow-up written reports to PHMSA (Form F7100.2) Submittal must be electronically to http://pipelineonlinereporting.phmsa.dot.gov</p> <p>None in this district</p>			X	
6.	191.15(c)	<p>Supplemental report (to 30-day follow-up)</p> <p>None in this district</p>			X	
7.	191.17	Complete and submit DOT Form PHMSA F 7100-2.1 by March 15 of each calendar year for the preceding year. (<i>NOTE: June 15, 2011 for the year 2010.</i>)	X			
8.	191.22	<p>Each operator must obtain an OPID, validate its OPIDs, and notify PHMSA of certain events at http://portal.phmsa.dot.gov/pipeline</p> <p>Reviewed letter from 2013</p>	X			
9.	191.23	<p>Filing the Safety Related Condition Report (SRCR)</p> <p>None in this district.</p>			X	

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REPORTING RECORDS			S	U	N/A	N/C
10.	191.25 49 U.S.C. 60139, Subsection (b)(2)	<p>Filing the SRCR within 5 days of determination, but not later than 10 days after discovery.</p> <p>Note: Operators of gas transmission pipelines that if the pipeline pressure exceeds maximum allowable operating pressure (MAOP) plus the build-up, owner/operator must report the exceedance to PHMSA on or before the fifth day following the date on which the exceedance occurs.</p> <p>The report should be titled “Gas Transmission MAOP Exceedance” and provide the following information:</p> <ul style="list-style-type: none"> • The name and principal address of the operator date of the report, name, job title, and business telephone number of the person submitting the report. • The name, job title, and business telephone number of the person who determined the condition exists. • The date the condition was discovered and the date the condition was first determined to exist. • The location of the condition, with reference to the town/city/county and state or offshore site, and as appropriate, nearest street address, offshore platform, survey station number, milepost, landmark, and the name of the commodity transported or stored. • The corrective action taken before the report was submitted and the planned follow-up or future corrective action, including the anticipated schedule for starting and concluding such action. • <p>None in this district.</p>			X	
11.	.605(d)	Instructions to enable operation and maintenance personnel to recognize potential Safety Related Conditions	X			
12.	191.27	<p>Offshore pipeline condition reports – filed within 60 days after the inspections</p> <p>No offshore pipelines.</p>			X	
13.	192.727(g)	<p>Abandoned facilities offshore, onshore crossing commercially navigable waterways reports</p> <p>No offshore pipelines.</p>			X	
14.	480-93-200(1)	Telephonic Reports to UTC Pipeline Safety Incident Notification 1-888-321-9144 (Within 2 hours) for events which results in;				
15.	480-93-200(1)(a)	<p>A fatality or personal injury requiring hospitalization;</p> <p>None since last inspection.</p>			X	
16.	480-93-200(1)(b)	<p>Damage to property of the operator and others of a combined total exceeding fifty thousand dollars;</p> <p>None since last inspection.</p>			X	
17.	480-93-200(1)(c)	<p>The evacuation of a building, or high occupancy structures or areas;</p> <p>None since last inspection.</p>			X	
18.	480-93-200(1)(d)	<p>The unintentional ignition of gas;</p> <p>None since last inspection.</p>			X	
19.	480-93-200(1)(e)	<p>The unscheduled interruption of service furnished by any operator to twenty five or more distribution customers;</p> <p>None since last inspection.</p>			X	
20.	480-93-200(1)(f)	<p>A pipeline pressure exceeding the MAOP plus ten percent or the maximum pressure allowed by proximity considerations outlined in WAC 480-93-020;</p> <p>None since last inspection.</p>			X	

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21.	480-93-200(1)(g)	Is significant, in the judgment of the operator, even though it does not meet the criteria of (a) through (f) of this subsection; None since last inspection.			X	
22.	480-93-200(2)	Telephonic Reports to UTC Pipeline Safety Incident Notification 1-888-321-9146 (Within 24 hours) for; None since last inspection.				
23.	480-93-200(2)(a)	The uncontrolled release of gas for more than two hours; None since last inspection.			X	
24.	480-93-200(2)(b)	The taking of a high pressure supply or transmission pipeline or a major distribution supply gas pipeline out of service; None since last inspection.			X	
25.	480-93-200(2)(c)	A gas pipeline operating at low pressure dropping below the safe operating conditions of attached appliances and gas equipment; or None since last inspection.			X	
26.	480-93-200(2)(d)	A gas pipeline pressure exceeding the MAOP None since last inspection.			X	
27.	480-93-200(4)	Did written incident reports (within 30 days of telephonic notice) include the following None since last inspection.				
28.	480-93-200(4)(a)	Name(s) and address(es) of any person or persons injured or killed, or whose property was damaged; None since last inspection.			X	
29.	480-93-200(4)(b)	The extent of injuries and damage; None since last inspection.			X	
30.	480-93-200(4)(c)	A description of the incident or hazardous condition including the date, time, and place, and reason why the incident occurred. If more than one reportable condition arises from a single incident, each must be included in the report; None since last inspection.			X	
31.	480-93-200(4)(d)	A description of the gas pipeline involved in the incident or hazardous condition, the system operating pressure at that time, and the MAOP of the facilities involved; None since last inspection.			X	
32.	480-93-200(4)(e)	The date and time the gas pipeline company was first notified of the incident; None since last inspection.			X	
33.	480-93-200(4)(f)	The date and time the ((operator's)) gas pipeline company's first responders arrived on-site; None since last inspection.			X	
34.	480-93-200(4)(g)	The date and time the gas ((facility)) pipeline was made safe; None since last inspection.			X	
35.	480-93-200(4)(h)	The date, time, and type of any temporary or permanent repair that was made; None since last inspection.			X	
36.	480-93-200(4)(i)	The cost of the incident to the ((operator)) gas pipeline company; None since last inspection.			X	

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37.	480-93-200(4)(j)	Line type; None since last inspection.			X	
38.	480-93-200(4)(k)	None since last inspection.			X	
39.	480-93-200(4)(l)	Any other information deemed necessary by the commission. None since last inspection.			X	
40.	480-93-200(5)	Supplemental report if required information becomes available after 30 day report submitted None since last inspection.			X	
41.	480-93-200(6)	Written report within 5 days of receiving the failure analysis of any incident or hazardous condition due to construction defects or material failure None since last inspection.			X	
42.	480-93-200(7)	Filing Reports of Damage to Gas Pipeline Facilities to the commission. (eff 4/1/2013) (Via the commission’s Virtual DIRT system or on-line damage reporting form) None since last inspection.				
43.	480-93-200(7)(a)	Does the operator report to the commission the requirements set forth in RCW 19.122.053(3) (a) through (n) CP 835	X			
44.	480-93-200(7)(b)	Does the operator report the name, address, and phone number of the person or entity that the company has reason to believe may have caused damage due to excavations conducted <u>without facility locates</u> first being completed?	X			
45.	480-93-200(7)(c)	Does the operator retain all damage and damage claim records it creates related to damage events reported under 93-200(7)(b), including photographs and documentation supporting the conclusion that a facilities locate was not completed? Note: Records maintained for two years and made available to the commission upon request. CP 835	X			
46.	480-93-200(8)	Does the operator provide the following information to excavators who damage gas pipeline facilities?				
47.	480-93-200(8)(a)	<ul style="list-style-type: none"> • Notification requirements for excavators under RCW 19.122.050(1) 	X			
48.	480-93-200(8)(b)	<ul style="list-style-type: none"> • A description of the excavator’s responsibilities for reporting damages under RCW 19.122.053; and 	X			
49.	480-93-200(8)(c)	<ul style="list-style-type: none"> • Information concerning the safety committee referenced under RCW 19.122.130, including committee contact information, and the process for filing a complaint with the safety committee. 	X			
50.	480-93-200(9)	Reports to the commission only when the operator or its contractor observes or becomes aware of the following activities... <ul style="list-style-type: none"> • An excavator digs within thirty-five feet of a transmission pipeline, as defined by RCW 19.122.020(26) without first obtaining a facilities locate; (200(9)(a) • A person intentionally damages or removes marks indicating the location or presence of gas pipeline facilities. 200(9)(b) None in district			X	
51.	480-93-200(10)	Annual Reports filed with the commission no later than March 15 for the proceeding calendar year				
52.	480-93-200(10)(a)	A copy of PHMSA F-7100.1-1 and F-7100.2-1 annual report required by U.S. Department of Transportation, PHMSA/Office of Pipeline Safety Look at number 7. Same question?	X			

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REPORTING RECORDS			S	U	N/A	N/C
53.	480-93-200(10)(b)	Reports detailing all construction defects and material failures resulting in leakage. Categorizing the different types of construction defects and material failures. The report must include the following: (i) Types and numbers of construction defects; and (ii) Types and numbers of material failures. Reviewed all leak records from 2013 to 2016	X			
54.	480-93-200(11)	Providing updated emergency contact information to the commission and appropriate officials of all municipalities where gas pipeline companies have facilities	X			
55.	480-93-200(12)	Providing by email, reports of daily construction and repair activities no later than 10:00 a.m.	X			
56.	480-93-200(13)	Submitting copy of DOT Drug and Alcohol Testing MIS Data Collection Form when required	X			

Comments:

CUSTOMER and EXCESS FLOW VALVE INSTALLATION NOTIFICATION			S	U	N/A	N/C
57.	192.16	Customer notification - Customers notified, within 90 days , of their responsibility for those service lines not maintained by the operator	X			
58.	192.381	Does the excess flow valve meet the performance standards prescribed under §192.381? CP 647 and 601.222	X			
59.	192.383	Does the operator have an installation and reporting program for excess flow valves and does the program meet the requirements outlined in §192.383? Are records adequate? Reviewed annual reports.	X			

Comments:

CONSTRUCTION RECORDS			S	U	N/A	N/C
60.	480-93-013	OQ records for personnel performing New Construction covered tasks	X			
61.	192.225	Test Results to Qualify Welding Procedures CNG uses the manufacturers destructive test results.			X	
62.	192.227	Welder Qualification 816.2 allows the welder to measure their own essential variables with a witness. The coupons are then mailed to their test facility in Mt Vernon or Yakima. The form used in CP 760 which records the weld test essential variables and test results is filled in by the welder and a witness.	X			
63.	480-93-080(1)(b)	Appendix C Welders re-qualified 2/Yr (7.5Months) No appendix C welders			X	

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CONSTRUCTION RECORDS			S	U	N/A	N/C
64.	480-93-080(2)	Plastic pipe joiners re-qualified 1/Yr (15 Months)	X			
65.	480-93-080(2)(b)	Plastic pipe joiners re-qualified if no production joints made during any 12 month period	X			
66.	480-93-080(2)(c)	Tracking Production Joints or Re-qualify joiners 1/Yr (12Months) Production joints are not tracked. Fusors are requalified prior to the 12 month timeframe.			X	
67.	480-93-115(2)	Test leads on casings (without vents) installed after 9/05/1992	X			
68.	480-93-115(3)	Sealing ends of casings or conduits on transmission lines and mains None were observed during this inspection.			X	
69.	480-93-115(4)	Sealing ends (nearest building wall) of casings or conduits on services Observed during random crew inspections.	X			
70.	192.241(a)	Visual Weld Inspector Training/Experience	X			
71.	192.243(b)(2)	Nondestructive Technician Qualification No NDT since last inspection.			X	
72.	192.243(c)	NDT procedures No NDT since last inspection.			X	
73.	192.243(f)	Total Number of Girth Welds NA since last inspection.			X	
74.	192.243(f)	Number of Welds Inspected by NDT NA since last inspection.			X	
75.	192.243(f)	Number of Welds Rejected NA since last inspection.			X	
76.	192.243(f)	Disposition of each Weld Rejected NA since last inspection.			X	
77.	.273/.283	Qualified Joining Procedures Including Test Results CP 607 details that they use manufacturers fusion procedures so they would also use their destructive test results.	X			
78.	192.303	Construction Specifications	X			
79.	192.325 WAC 480-93-178(4)(5)	Underground Clearances	X			
80.	192.327	Amount, location, cover of each size of pipe installed	X			
81.	480-93-160(1)	Report filed 45 days prior to construction or replacement of transmission pipelines ≥ 100 feet in length Not looking at transmission during this inspection. .			X	
82.	480-93-160(2)	Did report describe the proposed route and the specifications for the pipeline and must include, but is not limited to the following items: Not looking at transmission during this inspection. .			X	
83.	480-93-160(2)(a)	Description and purpose of the proposed pipeline; Not looking at transmission during this inspection. .			X	

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CONSTRUCTION RECORDS			S	U	N/A	N/C
84.	480-93-160(2)(b)	Route map showing the type of construction to be used throughout the length of the line, and delineation of class location as defined in 49 CFR Part 192.5, and incorporated boundaries along the route. Not looking at transmission during this inspection.			X	
85.	480-93-160(2)(c)	Location and specification of principal valves, regulators, and other auxiliary equipment to be installed as a part of the pipeline system to be constructed Not looking at transmission during this inspection.			X	
86.	480-93-160(2)(d)	MAOP for the gas pipeline being constructed; Not looking at transmission during this inspection.			X	
87.	480-93-160(2)(e)	Location and construction details of all river crossings or other unusual construction requirements encountered en route. Not looking at transmission during this inspection.			X	
88.	480-93-160(2)(f)	Proposed corrosion control program to be followed inc specs for coating and wrapping, and method to ensure the integrity of the coating using holiday detection equipment; Not looking at transmission during this inspection.			X	
89.	480-93-160(2)(g)	Welding specifications; and Not looking at transmission during this inspection.			X	
90.	480-93-160(2)(h)	Bending procedures to be followed if needed. Not looking at transmission during this inspection.			X	
91.	480-93-170(1)	Commission notified 2 days prior to pressure testing pipelines with an MAOP producing a hoop stress $\geq 20\%$ SMYS? Not looking at transmission during this inspection.			X	
92.	480-93-170(7)	Pressure tests records at a minimum include required information listed under 480-93-170(a-h)	X			
93.	480-93-170(9)	Individual pressure test records maintained for single installations where multiple pressure tests were performed?	X			
94.	480-93-170(10)	Pressure Testing Equipment checked for accuracy/intervals (Manufacturers Rec or Operators schedule)	X			
95.	480-93-175(2)	Study prepared and approved prior to moving and lowering of metallic pipelines > 60 psig Nothing over 60 psig but two steel lines under 60 psig were lowered.	X			
96.	480-93-175(4)	Leak survey within 30 days of moving or lowering pipelines ≤ 60 psig	X			

Comments:

OPERATIONS and MAINTENANCE RECORDS			S	U	N/A	N/C
97.	192.517(a)	Pressure Testing (operates at or above 100 psig) – useful life of pipeline Nothing over 100 PSIG since last inspection.			X	

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98.	192.517(b)	Pressure Testing (operates below 100 psig, service lines, plastic lines) – 5 years	X			
99.	192.605(a)	Procedural Manual Review – Operations and Maintenance (1 per yr/15 months) Note: Including review of OQ procedures as <u>suggested</u> by PHMSA - ADB-09-03 dated 2/7/09	X			
100.	192.605(b)(3)	Availability of construction records, maps, operating history to operating personnel	X			
101.	480-93-018(3)	Records, including maps and drawings updated within 6 months of completion of construction activity?	X			
102.	192.605(b)(8)	Periodic review of personnel work – effectiveness of normal O&M procedures	X			
103.	192.605(c)(4)	Periodic review of personnel work – effectiveness of abnormal operation procedures	X			
104.	192.609	Class Location Study (If applicable) Not applicable			X	
105.	192.611	Confirmation or revision of MAOP Not applicable			X	
106.	192.614	Damage Prevention (Operator Internal Performance Measures)				
107.		Does the operator have a quality assurance program in place for monitoring the locating and marking of facilities? Do operators conduct regular field audits of the performance of locators/contractors and take action when necessary? (CGA Best Practices v. 6.0, Best Practice 4-18. Recommended only, not required) CP 835	X			
108.		Does operator including performance measures in facility locating services contracts with corresponding and meaningful incentives and penalties? All in house.			X	
109.		Do locate contractors address performance problems for persons performing locating services through mechanisms such as re-training, process change, or changes in staffing levels? All in house.			X	
110.		Does the operator periodically review the Operator Qualification plan criteria and methods used to qualify personnel to perform locates?	X			
111.		Review operator locating and excavation <u>procedures</u> for compliance with state law and regulations.	X			
112.		Are locates are being made within the timeframes required by state law and regulations? Examine record sample.	X			
113.		Are locating and excavating personnel properly <u>qualified</u> in accordance with the operator’s Operator Qualification plan and with federal and state requirements?	X			
114.		Follow-up inspection performed on the pipeline where there is reason to believe the pipeline could be damaged .614(c) (6) 1. Is the inspection the done as frequently as necessary during and after the activities to verify the integrity of the pipeline? 2. In the case of blasting, does the inspection include leakage surveys? CP 835	X			

Comments:

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115.		Emergency Response Plans	S	U	N/A	N/C																										
116.	192.603(b)	Prompt and effective response to each type of emergency .615(a)(3) Note: Review operator records of previous accidents and failures including third-party damage and leak response	X																													
117.	192.615(b)(1)	Location Specific Emergency Plan	X																													
118.	192.615(b)(2)	Emergency Procedure training, verify effectiveness of training CP 925	X																													
119.	192.615(b)(3)	Employee Emergency activity review, determine if procedures were followed.	X																													
120.	192.615(c)	Liaison Program with Public Officials	X																													
121.	192.616	Public Awareness Program																														
122.	192.616(e&f)	Documentation properly and adequately reflects implementation of operator’s Public Awareness Program requirements - Stakeholder Audience identification, message type and content, delivery method and frequency, supplemental enhancements, program evaluations, etc. (i.e. contact or mailing rosters, postage receipts, return receipts, audience contact documentation, etc. for emergency responder, public officials, school superintendents, program evaluations, etc.). See table below: PA inspection was done last year				X																										
123.		Operators in existence on June 20, 2005, must have completed their written programs no later than June 20, 2006. See 192.616(a) and (j) for exceptions.																														
124.		API RP 1162 Baseline* Recommended Message Deliveries																														
125.		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Stakeholder Audience (LDC’s)</th> <th style="text-align: center;">Baseline Message Frequency (starting from effective date of Plan)</th> </tr> </thead> <tbody> <tr> <td>Residence Along Local Distribution System</td> <td>Annual</td> </tr> <tr> <td>LDC Customers</td> <td>Twice annually</td> </tr> <tr> <td>One-Call Centers</td> <td>As required of One-Call Center</td> </tr> <tr> <td>Emergency Officials</td> <td>Annual</td> </tr> <tr> <td>Public Officials</td> <td>3 years</td> </tr> <tr> <td>Excavator and Contractors</td> <td>Annual</td> </tr> <tr> <th style="text-align: center;">Stakeholder Audience (Transmission line operators)</th> <th style="text-align: center;">Baseline Message Frequency (starting from effective date of Plan)</th> </tr> <tr> <td>Residence Along Local Distribution System</td> <td>2 years</td> </tr> <tr> <td>One-Call Centers</td> <td>As required of One-Call Center</td> </tr> <tr> <td>Emergency Officials</td> <td>Annual</td> </tr> <tr> <td>Public Officials</td> <td>3 years</td> </tr> <tr> <td>Excavator and Contractors</td> <td>Annual</td> </tr> </tbody> </table>	Stakeholder Audience (LDC’s)	Baseline Message Frequency (starting from effective date of Plan)	Residence Along Local Distribution System	Annual	LDC Customers	Twice annually	One-Call Centers	As required of One-Call Center	Emergency Officials	Annual	Public Officials	3 years	Excavator and Contractors	Annual	Stakeholder Audience (Transmission line operators)	Baseline Message Frequency (starting from effective date of Plan)	Residence Along Local Distribution System	2 years	One-Call Centers	As required of One-Call Center	Emergency Officials	Annual	Public Officials	3 years	Excavator and Contractors	Annual				
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126.		* Refer to API RP 1162 for additional requirements, including general program recommendations, supplemental requirements, recordkeeping, program evaluation, etc.																														
127.	192.616(g)	The program conducted in English and any other languages commonly understood by a significant number of the population in the operator's area.	X																													
128.	.616(h)	IAW API RP 1162, the operator’s program should be reviewed for effectiveness within four years of the date the operator’s program was first completed. <u>For operators in existence on June 20, 2005</u> , who must have completed their written programs no later than June 20, 2006, the first evaluation is due no later than June 20, 2010 . .616(h)				X																										

Utilities and Transportation Commission
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129.	192.616(j)	Operators of a Master Meter or petroleum gas system – public awareness messages 2 times annually: (1) A description of the purpose and reliability of the pipeline; (2) An overview of the hazards of the pipeline and prevention measures used; (3) Information about damage prevention; (4) How to recognize and respond to a leak; and (5) How to get additional information.				X
130.	192.617	Review operator records of accidents and failures including laboratory analysis where appropriate to determine cause and prevention of recurrence .617 Note: Including excavation damage and leak response records (PHMSA area of emphasis) (NTSB B.10) None in this district.			X	

Comments:

131.	192.619/621/623	Maximum Allowable Operating Pressure (MAOP) Note: New PA-11 design criteria is incorporated into 192.121 & .123 (Final Rule Pub. 12/24/08) MAOP issues are addressed in docket PG-150120 and an order has been issued. All of the MAOP tests for new construction or replacement lines we reviewed were adequate.	X			
132.	480-93-015(1)	Odorization of Gas – Concentrations adequate Reviewed 2014 thru 2016	X			
133.	480-93-015(2)	Monthly Odorant Sniff Testing	X			
134.	480-93-015(3)	Prompt action taken to investigate and remediate odorant concentrations not meeting the minimum requirements None found to be inadequate since the last inspection			X	
135.	480-93-015(4)	Odorant Testing Equipment Calibration/Intervals (Annually or Manufacturers Recommendation)	X			
136.	480-93-124(3)	Pipeline markers attached to bridges or other spans inspected? 1/yr(15 months)	X			
137.	480-93-124(4)	Markers reported missing or damaged replaced within 45 days?	X			
138.	480-93-140(2)	Service regulators and associated safety devices tested during initial turn-on	X			
139.	480-93-155(1)	Up-rating of system MAOP to >60 psig? Procedures and specifications submitted 45 days prior? None in district.			X	
140.	480-93-185(1)	Reported gas leaks promptly investigated? Graded in accordance with 480-93-186? Records retained?	X			

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141.	480-93-185(3)(a)	Leaks originating from a foreign source. Take appropriate action to protect life and property regarding the pipeline company's own facilities, and; None identified.				X													
142.	480-93-185(3)(b)	Leaks originating from a foreign source reported promptly/notification by mail. Records retained? None identified.				X													
143.	480-93-186(3)	Leak evaluations: Are follow-up inspections performed within 30 days of a leak repair?	X																
144.	480-93-186(4)	Leak evaluations: Grade 1 and 2 leaks (if any), downgraded once to a grade 3 without physical repair? None identified.				X													
145.	480-93-187	Gas leak records: at a minimum include required information listed under 480-93-187(1-13)	X																
146.	480-93-188(1)	Gas leak surveys	X																
147.	480-93-188(2)	Gas detection instruments tested for accuracy/intervals (Mfct recommended or monthly not to exceed 45 days)	X																
148.	480-93-188(3)	Leak survey frequency (Refer to Table Below)	X																
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">Business Districts (implement by 6/02/07)</td> <td style="width:50%; text-align:center;">1/yr (15 months)</td> </tr> <tr> <td>High Occupancy Structures</td> <td style="text-align:center;">1/yr (15 months)</td> </tr> <tr> <td>Pipelines Operating ≥ 250 psig</td> <td style="text-align:center;">1/yr (15 months)</td> </tr> <tr> <td>Other Mains: CI, WI, copper, unprotected steel</td> <td style="text-align:center;">2/yr (7.5 months)</td> </tr> </table>								Business Districts (implement by 6/02/07)	1/yr (15 months)	High Occupancy Structures	1/yr (15 months)	Pipelines Operating ≥ 250 psig	1/yr (15 months)	Other Mains: CI, WI, copper, unprotected steel	2/yr (7.5 months)				
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149.	480-93-188(4)(a)	Special leak surveys - Prior to paving or resurfacing, following street alterations or repairs	X																
150.	480-93-188(4)(b)	Special leak surveys - areas where substructure construction occurs adjacent to underground gas facilities, and damage could have occurred	X																
151.	480-93-188(4)(c)	Special leak surveys - Unstable soil areas where active gas lines could be affected	X																
152.	480-93-188(4)(d)	Special leak surveys - areas and at times of unusual activity, such as earthquake, floods, and explosions	X																
153.	480-93-188(4)(e)	Special leak surveys - After third-party excavation damage to services, operators must perform a gas leak survey to eliminate the possibility of multiple leaks and underground migration into nearby buildings.	X																
154.	480-93-188(5)	Gas Survey Records (Min 5 yrs) and at a minimum include required information listed under 480-93-188 (5) (a-f)	X																
155.	480-93-188(6)	Leak program - Self Audits	X																
156.	192.709	Patrolling (Transmission Lines) (Refer to Table Below) .705 To be done during the TIMP inspection. Transmission is no longer done during district inspection..				X													
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:33%;">Class Location</td> <td style="width:33%;">At Highway and Railroad Crossings</td> <td style="width:33%;">At All Other Places</td> </tr> <tr> <td align="center">1 and 2</td> <td align="center">2/yr (7½ months)</td> <td align="center">1/yr (15 months)</td> </tr> <tr> <td align="center">3</td> <td align="center">4/yr (4½ months)</td> <td align="center">2/yr (7½ months)</td> </tr> <tr> <td align="center">4</td> <td align="center">4/yr (4½ months)</td> <td align="center">4/yr (4½ months)</td> </tr> </table>								Class Location	At Highway and Railroad Crossings	At All Other Places	1 and 2	2/yr (7½ months)	1/yr (15 months)	3	4/yr (4½ months)	2/yr (7½ months)	4	4/yr (4½ months)	4/yr (4½ months)
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157.	192.709	Leak Surveys (Transmission Lines) (Refer to Table Below) .706 Not looking at transmission in the district inspection..				X													

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		Class Location	Required	Not Exceed				
		1 and 2	1/yr	15 months				
		3	2/yr	7½ months				
		4	4/yr	4½ months				
158.	192.603(b)	Patrolling Business District (4 per yr/4½ months) .721(b)(1) Done with areas outside business district. Reviewed 2014 thru 2016. One bridge crossing that needs replaced that has went over 3 years. Should be completed in 2017.		X				
159.	192.603(b)	Patrolling Outside Business District (2 per yr/7½ months) 192.721(b)(2)		X				
160.	192.603(b)	Leakage Survey - Outside Business District (5 years) 192.723(b)(1)		X				
161.	192.603(b)	Leakage Survey 192.723(b)(2) • Outside Business District (5 years) • Cathodically unprotected distribution lines (3 years)		X				
162.	192.603(b)	Tests for Reinstating Service Lines 192.725		X				
163.	192.603(b)/.727(g)	Abandoned Pipelines; Underwater Facility Reports 192.727 None in district.					X	
164.	192.709	Pressure Limiting and Regulating Stations (1 per yr/15 months) .739		X				
165.	192.709	Pressure Limiting and Regulator Stations – Capacity (1 per yr/15 months) .743		X				
166.	192.709	Valve Maintenance – Transmission (1 per yr/15 months) .745 2013 thru 2016		X				
167.	192.709	Valve Maintenance – Distribution (1 per yr/15 months) .747 2013 thru 2016		X				
168.	480-93-100(3)	Service valve maintenance (1 per yr/15 months) 2013 thru 2016		X				
169.	192.709	Vault maintenance (≥200 cubic feet)(1 per yr/15 months) .749 None in district.					X	
170.	192.603(b)	Prevention of Accidental Ignition (hot work permits) .751 None identified.					X	
171.	192.603(b)	Welding – Procedure 192.225(b)		X				
172.	192.603(b)	Welding – Welder Qualification 192.227/.229		X				
173.	192.603(b)	NDT – NDT Personnel Qualification .243(b)(2) No NDT performed since last inspection.						X
174.	192.709	NDT Records (pipeline life) .243(f) No NDT performed since last inspection.						X
175.	192.709	Repair: pipe (pipeline life); Other than pipe (5 years)		X				
176.	192.905(c)	Periodically examining their transmission line routes for the appearance of newly identified area's (HCA's) Transmission is not looked at during district inspections.						X

Comments:

CORROSION CONTROL RECORDS	S	U	N/A	N/C
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CORROSION CONTROL RECORDS			S	U	N/A	N/C
177.	192.455(a)(1)	Pipeline coatings meet requirements of 192.461 <i>(for buried pipelines installed after 7/31/71)</i>	X			
178.	192.455(a)(2)	CP system installed on and operating within 1 yr of completion of pipeline construction <i>(after 7/31/71)</i>	X			
179.	192.465(a)	Annual Pipe-to-soil Monitoring (1 per yr/15 months) for short sections (10% per year; all in 10 years) None	X			
180.	192.491	Test Lead Maintenance .471	X			
181.	192.491	Maps or Records .491(a)	X			
182.	192.491	Examination of Buried Pipe when exposed .459 Looked at coupon test reports.	X			
183.	480-93-110(8)	CP test reading on all exposed facilities where coating has been removed	X			
184.	192.491	Annual Pipe-to-soil monitoring (1 per yr/15 months) .465(a)	X			
185.	192.491	Rectifier Monitoring (6 per yr/2½ months) .465(b)	X			
186.	192.491	Interference Bond Monitoring – Critical (6 per yr/2½ months) .465(c) None in district.			X	
187.	192.491	Interference Bond Monitoring – Non-critical (1 per yr/15 months) .465(c) None in district.			X	
188.	480-93-110(2)	Remedial action taken within 90 days (Up to 30 additional days if other circumstances. Must document) .465(d) None required.			X	
189.	480-93-110(3)	CP equipment/ instrumentation maintained, tested for accuracy, calibrated, and operated in accordance with manufactures recommendations, or at appropriate schedule determined by gas company if no recommendation.	X			
190.	192.491	Unprotected Pipeline Surveys, CP active corrosion areas (1 per 3 cal yr/39 months) .465(e) None in system.			X	
191.	192.491	Electrical Isolation (Including Casings) .467	X			
192.	480-93-110(5)	Casings inspected/tested annually not to exceed fifteen months	X			
193.	480-93-110(5)(a)	Casings w/no test leads installed prior to 9/05/1992. Demonstrate other acceptable test methods	X			
194.	480-93-110(5)(b)	Possible shorted conditions – Perform confirmatory follow-up inspection within 90 days	X			
195.	480-93-110(5)(c)	Casing shorts cleared when practical CNG engineering is working on a remediation plan. As of this inspection there are no firm plans to clear shorted casings. They are monitored every 6 months.	X			
196.	480-93-110(5)(d)	Shorted conditions leak surveyed within 90 days of discovery. Twice annually/7.5 months	X			
197.	192.491	Interference Currents .473 None in district.			X	
198.	192.491	Internal Corrosion; Corrosive Gas Investigation .475(a) Corrosive gas is not transported in CNG's system.			X	
199.	192.491	Internal Corrosion; Internal Surface Inspection; Pipe Replacement .475(b) Reviewed coupon inspection report for the 8-inch bare replacement project. There was internal corrosion and scaling.	X			
200.	192.491	Internal Corrosion Control Coupon Monitoring (2 per yr/7½ months) .477 No coupons used.			X	

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CORROSION CONTROL RECORDS			S	U	N/A	N/C
201.	192.491	Atmospheric Corrosion Control Monitoring (1 per 3 cal yr/39 months onshore; 1 per yr/15 months offshore) .481	X			
202.	192.491	Remedial: Replaced or Repaired Pipe; coated and protected; corrosion evaluation and actions .483/485	X			

Comments:

PIPELINE INSPECTION (Field)			S	U	N/A	N/C
203.	192.161	Supports and anchors	X			
204.	480-93-080(1)(d)	Welding procedures located on site where welding is performed? No welding observed.				X
205.	480-93-080(1)(b)	Use of testing equipment to record and document essential variables	X			
206.	480-93-080(2)(a)	Plastic procedures located on site where welding is performed? No fusion observed.				X
207.	480-93-080(3)	Identification and qualification cards/certificates w/name of welder/joiner, their qualifications, date of qualification and operator whose qualification procedures were followed.	X			
208.	480-93-013	Personnel performing “New Construction” covered tasks OQ qualified?	X			
209.	480-93-015(1)	Odorization The operators odorizer tester was out for repair.				X
210.	480-93-018(3)	Updated records, inc maps and drawings made available to appropriate operations personnel?	X			
211.	192.179	Valve Protection from Tampering or Damage	X			
212.	192.455	Pipeline coatings meet requirements of 192.461 (<i>for buried pipelines installed after 7/31/71</i>) Not observed during this inspection				X
213.	192.463	Levels of cathodic protection	X			
214.	192.465	Rectifiers	X			
215.	192.467	CP - Electrical Isolation	X			
216.	192.476	Systems designed to reduce internal corrosion			X	
217.	192.479	Pipeline Components exposed to the atmosphere	X			
218.	192.481	Atmospheric Corrosion: monitoring	X			
219.	192.491	Test Stations – Sufficient Number .469	X			
220.	480-93-115(2)	Casings – Test Leads (casings w/o vents installed after 9/05/1992)	X			
221.	480-93-115(2)	Mains or transmission lines installed in casings/conduit. Are casing ends sealed? None observed during inspection.				X
222.	480-93-115(4)	Service lines installed in casings/conduit. Are casing ends nearest to building walls sealed? None observed during inspection.				X
223.	192.605(a)	Appropriate parts of manuals kept at locations where O&M activities are conducted	X			

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PIPELINE INSPECTION (Field)			S	U	N/A	N/C
224.	192.605	Knowledge of Operating Personnel	X			
225.	480-93-124	Pipeline markers	X			
226.	480-93-124(4)	Markers reported missing or damaged replaced within 45 days?	X			
227.	192.719	Pre-pressure Tested Pipe (Markings and Inventory) None observed in district.				X
228.	192.195	Overpressure protection designed and installed where required?	X			
229.	192.739/743	Pressure Limiting and Regulating Devices (Mechanical/Capacities)	X			
230.	192.741	Telemetry, Recording Gauges None observed in district.				X
231.	192.751	Warning Signs None observed in district.				X
232.	192.355	Customer meters and regulators. Protection from damage	X			
233.	192.355(c)	Pits and vaults: Able to support vehicular traffic where anticipated. None observed in district.				X
234.	480-93-140	Service regulators installed, operated and maintained per state/fed regs and manufacturers recommended practices?	X			
235.	480-93-178(2)	Plastic Pipe Storage facilities – Maximum Exposure to Ultraviolet Light (2yrs) Observed during random crew inspections and on trucks in yard.	X			
236.	480-93-178(4)	Minimum Clearances from other utilities. For parallel lines a minimum of twelve inches. Where a minimum twelve inches of separation is not possible, must take adequate precautions, such as inserting the plastic pipeline in conduit, to minimize any potential hazards. Observed during random crew inspections.	X			
237.	480-93-178(5)	Minimum Clearances from other utilities. For perpendicular lines a minimum of six inches of separation from the other utilities. Where a minimum six inches of separation is not possible, must take adequate precautions, such as inserting the plastic pipeline in conduit, to minimize any potential hazards Observed during random crew inspections.	X			
238.	480-93-178(6)	Are there Temporary above ground PE pipe installations currently? Yes No X				
239.	480-93-178(6)(a)	If yes, is facility monitored and protected from potential damage?			X	
240.	480-93-178(6)(b)	If installation exceeded 30 days, was commission staff notified prior to exceeding the deadline?			X	
241.	192.745	Valve Maintenance (Transmission) Transmission is not done during a district inspection .				X
242.	192.747	Valve Maintenance (Distribution)	X			

Facility Sites Visited:

Facility Type	Facility ID Number	Location
Casing (shorted)		Long Ave and Fishers Lane
Regulator station	R-47	Longview
Relief Valve	R-47	Longview
Regulator station	R-50	Kalama
Relief Valve	R-50	Kalama

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PIPELINE INSPECTION (Field)			S	U	N/A	N/C
Rectifier	#2	Kalama				

Comments:
 All field facilities inspected were good.

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

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

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

Attachment 1

Distribution Operator Compressor Station Inspection

Unless otherwise noted, all code references are to 49CFR Part 192. S – Satisfactory U – Unsatisfactory N/A – Not Applicable N/C – Not Checked
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		COMPRESSOR STATION PROCEDURES	S	U	N/A	N/C
243.	.605(b)					
244.		.605(b)(6) Maintenance procedures, including provisions for isolating units or sections of pipe and for purging before returning to service			X	
245.		.605(b)(7) Starting, operating, and shutdown procedures for gas compressor units			X	
246.		.731 Inspection and testing procedures for remote control shutdowns and pressure relieving devices (1 per yr/15 months), prompt repair or replacement			X	
247.		.735 (a) Storage of excess flammable or combustible materials at a safe distance from the compressor buildings			X	
248.		(b) Tank must be protected according to NFPA #30			X	
249.		.736 Compressor buildings in a compressor station must have fixed gas detection and alarm systems (must be performance tested), unless:			X	
250.		• 50% of the upright side areas are permanently open, or			X	
251.		• It is an unattended field compressor station of 1000 hp or less			X	

Comments:
NO COMPRESSION

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

Comments:
NO COMPRESSION

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

Attachment 1

Distribution Operator Compressor Station Inspection

Unless otherwise noted, all code references are to 49CFR Part 192. S – Satisfactory U – Unsatisfactory N/A – Not Applicable N/C – Not Checked
 If an item is marked U, N/A, or N/C, an explanation must be included in this report.

COMPRESSOR STATIONS INSPECTION (Field)			S	U	N/A	N/C
(Note: Facilities may be “Grandfathered”)						
265.	.167	(a)	ESD system must:			
266.					X	
267.					X	
268.					X	
269.					X	
270.			ESD system must be operable from at least two locations, each of which is:			
271.	.167				X	
272.					X	
273.					X	
274.		(b)	For stations supplying gas directly to distribution systems, is the ESD system configured so that the LDC will not be shut down if the ESD is activated?			
275.		(c)	Are ESDs on platforms designed to actuate automatically by...			
276.			- For unattended compressor stations, when:			
277.					X	
278.					X	
279.			- For compressor station in a building, when			
280.					X	
281.					X	
282.	.171	(a)	Does the compressor station have adequate fire protection facilities? If fire pumps are used, they must not be affected by the ESD system.			
283.		(b)	Do the compressor station prime movers (other than electrical movers) have over-speed shutdown?			
284.		(c)	Do the compressor units alarm or shutdown in the event of inadequate cooling or lubrication of the unit(s)?			
285.		(d)	Are the gas compressor units equipped to automatically stop fuel flow and vent the engine if the engine is stopped for any reason?			
286.		(e)	Are the mufflers equipped with vents to vent any trapped gas?			
287.	.173				X	
288.	.457				X	
289.	.481				X	
290.	.603				X	
291.					X	
292.	.615				X	
293.	.619				X	
294.	.707				X	
295.	.731				X	
296.	.735				X	
297.					X	
298.	.736				X	

Comments:

Attachment 1
Distribution Operator Compressor Station Inspection

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<p>Comments: NO COMPRESSION</p>
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