

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

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	Inspection ID 2582		
Inspector Name & Submit Date	Lex Vinsel, 10/19/2012		
Chief Eng Name & Review/Date	Joe Subsits, 10/19/2012		
Operator Information			
Name of Operator:	NW Natural	OP ID #:	13840
Name of Unit(s):	Clark County, Washington		
Records Location:	Portland OR		
Date(s) of Last (unit) Inspection:	June 14-18, 2010	Inspection Date(s):	Sept 17-28, 2012

<p>Inspection Summary:</p> <p>No violations found. Inspection included records and field review.</p>

<p>HQ Address: 220 NW Second Avenue Portland, Oregon 97209</p>	<p>System/Unit Name & Address: Vancouver/Clark County 11218 NE 66th St.</p>	
<p>Co. Official: Kerry Shampine Phone No.: 503-226-4211 ext. 4340 Fax No.: 503-273-4822 Emergency Phone No.: 360-910-3998</p>	<p>Phone No.: Fax No.: Emergency Phone No.:</p>	
Persons Interviewed	Title	Phone No.
Bob Anderson	Field Supervisor	503-226-4211 ext 2060
Shari Clark	Engineer	503-226-4211 ext 2045
Dakota Duncan	Pipeline Safety Compliance Specialist	503-226-4211 ext 4389
Samantha Burt	Pipeline Safety Compliance Specialist	503-226-4211 ext 4366
Andrea Scott	Pipeline Safety Compliance Specialist	503-226-4211 ext 4534
Margret Locke	Compliance Engineer	503-226-4211 ext 4306
Kerry Shampine	Manager, Code Compliance	503-226-4211 ext 4340
Chris Wiles	Integrity Management Specialist	503-226-4211 ext 4360

<p>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)</p>			
<input type="checkbox"/>	Team inspection was performed (Within the past five years.) or,	Date:	
<input checked="" type="checkbox"/>	Other WUTC Inspector reviewed the O & M Manual (Since the last yearly review of the manual by the operator.) **Stephanie Zuehlke – WUTC (Joint Inspection with OPUC – Al Lau and Kevin Hennesy)**	Date:	April 23-23, 2012

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

**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.

GAS SYSTEM OPERATIONS			
Gas Supplier	Williams		
Services: <i>Residential 66790 – All Washington Commercial Industrial Other</i>			
Number of reportable safety related conditions last year	0	Number of deferred leaks in system	4 B-leaks, 64 C-leaks (on 8/15/2012)
Number of <u>non-reportable</u> safety related conditions last year	0	Number of third party hits last year	67, All of WA
Miles of transmission pipeline within unit (total miles and miles in class 3 & 4 areas)	3.4 miles Clark Co	Miles of main within inspection unit (total miles and miles in class 3 & 4 areas)	1695 distribution Class 3
Operating Pressure(s):		MAOP (Within last year)	Actual Operating Pressure (At time of Inspection)
Feeder:	Various	Various	Various
Town:			
Other:			
Does the operator have any transmission pipelines?	YES		
Compressor stations? Use Attachment 1.	NO		

Pipe Specifications:			
Year Installed (Range)	1950-2012	Pipe Diameters (Range)	½"-12"
Material Type	Steel and Plastic	Line Pipe Specification Used	API 5L & ASTM 2403
Mileage	368 and 1327	SMYS %	425 PSIG 28.0% SMYS

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 10/09/2012

Integrity Management Field Validation
Important: Per PHMSA, IMP Field Verification Form (Rev 6/18/2012) shall be used by the inspector as part of this standard inspection. When completed, the inspector will upload this information into the PHMSA IM Database (IMDB) located at http://primis.phmsa.dot.gov/gasimp/home.gim Date Completed/Uploaded: PHMSA Form 16 Question Set (IA Equivalent) completed on 10/10/2012, no upload required.

PART 199 Drug and Alcohol Testing Regulations and Procedures				
	S	U	NA	NC
Subparts A - C	X			
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. **Completed Form 13 and emailed Stanley.Kastanas@dot.gov on 10/10/2012**				

REPORTING RECORDS			S	U	N/A	N/C
1.	49 U.S.C. 60132, Subsection (b)	For Gas Transmission Pipelines and LNG Plants. Submission of Data to the National Pipeline Mapping System Under the Pipeline Safety Improvement Act of 2002 Updates to NMPS: Operators are required to make update submissions every 12 months if any system modifications have occurred. <u>If no modifications have occurred since the last complete submission (including operator contact information), send an email to opsgis@rspa.dot.gov stating that fact.</u> Include operator contact information with all updates. **Received by national Repository 2/28/2012**	X			

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.

REPORTING RECORDS			S	U	N/A	N/C
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? **Submitted to Ray Dejos 3/20/2012**	X			
3.	191.5	Immediate Notice of certain incidents to NRC (800) 424-8802 , or electronically at http://www.nrc.uscg.mil/nrchp.html , and additional report if significant new information becomes available. <i>Operator must have a written procedure for calculating an initial estimate of the amount of product released in an accident.</i> **2 incidents in 2010**	X			
4.	191.7	Reports (except SRCR and offshore pipeline condition reports) must be submitted electronically to PHMSA at https://opsweb.phmsa.dot.gov at unless an alternative reporting method is authorized IAW with paragraph (d) of this section. **Electronic reporting**	X			
5.	191.15(a)	30-day follow-up written reports to PHMSA (Form F7100.2) Submittal must be electronically to http://pipelineonlinereporting.phmsa.dot.gov	X			
6.	191.15(c)	Supplemental report (to 30-day follow-up) **None for Washington**			X	
7.	191.17	Complete and submit DOT Form PHMSA F 7100-2.1 by March 15 of each calendar year for the preceding year. (NOTE: June 15, 2011 for the year 2010). **Annually**	X			
8.	191.22	Each operator must obtain an OPID, validate its OPIDs, and notify PHMSA of certain events at https://opsweb.phmsa.dot.gov **July 17, 2012**	X			
9.	191.23	Filing the Safety Related Condition Report (SRCR) **None for time frame.**			X	
10.	191.25	Filing the SRCR within 5 days of determination, but not later than 10 days after discovery **None for Washington**			X	
11.	.605(d)	Instructions to enable operation and maintenance personnel to recognize potential Safety Related Conditions **Procedure AOC-C-01, Damage, no leaking pipeline facilities.**	X			
12.	191.27	Offshore pipeline condition reports – filed within 60 days after the inspections **None, No offshore pipelines.**			X	
13.	192.727(g)	Abandoned facilities offshore, onshore crossing commercially navigable waterways reports **None**			X	
14.	480-93-200(1)	Telephonic Reports to UTC Pipeline Safety Incident Notification 1-888-321-9146 (Within 2 hours) for events which results in;				
15.	480-93-200(1)(a)	A fatality or personal injury requiring hospitalization; **none**			X	
16.	480-93-200(1)(b)	Damage to property of the operator and others of a combined total exceeding fifty thousand dollars; **2 out of 21(same two federal reported due to cost of damages)**	X			
17.	480-93-200(1)(c)	The evacuation of a building, or high occupancy structures or areas; **16 out of 21**	X			
18.	480-93-200(1)(d)	The unintentional ignition of gas; **none**			X	
19.	480-93-200(1)(e)	The unscheduled interruption of service furnished by any operator to twenty five or more distribution customers; **3 out of 21**	X			
20.	480-93-200(1)(f)	A pipeline pressure exceeding the MAOP plus ten percent or the maximum pressure allowed by proximity considerations outlined in WAC 480-93-020; **None**			X	
21.	480-93-200(1)(g)	Is significant, in the judgment of the operator, even though it does not meet the criteria of (a) through (f) of this subsection; **None**			X	
22.	480-93-200(2)	Telephonic Reports to UTC Pipeline Safety Incident Notification 1-888-321-9146 (Within 24 hours) for;				
23.	480-93-200(2)(a)	The uncontrolled release of gas for more than two hours; **None in WA**			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 in WA**			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 in WA**			X	
26.	480-93-200(2)(d)	A gas pipeline pressure exceeding the MAOP **None in WA**			X	
27.	480-93-200(4)	Did written incident reports (within 30 days of telephonic notice) include the following				
28.	480-93-200(4)(a)	Name(s) and address(es) of any person or persons injured or killed, or whose property was damaged; **Reviewed 21 incident reports for content**	X			
29.	480-93-200(4)(b)	The extent of injuries and damage; **Reviewed 21 incident reports for content**	X			

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.

REPORTING RECORDS			S	U	N/A	N/C
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; **Reviewed 21 incident reports for content**	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; **Reviewed 21 incident reports for content**	X			
32.	480-93-200(4)(e)	The date and time the gas pipeline company was first notified of the incident; **Reviewed 21 incident reports for content**	X			
33.	480-93-200(4)(f)	The date and time the ((operators')) gas pipeline company's first responders arrived on-site; **Reviewed 21 incident reports for content**	X			
34.	480-93-200(4)(g)	The date and time the gas ((facility)) pipeline was made safe; **Reviewed 21 incident reports for content**	X			
35.	480-93-200(4)(h)	The date, time, and type of any temporary or permanent repair that was made; **Reviewed 21 incident reports for content**	X			
36.	480-93-200(4)(i)	The cost of the incident to the ((operator)) gas pipeline company; **Reviewed 21 incident reports for content**	X			
37.	480-93-200(4)(j)	Line type; **Reviewed 21 incident reports for content**	X			
38.	480-93-200(4)(k)	City and county of incident; and **Reviewed 21 incident reports for content**	X			
39.	480-93-200(4)(l)	Any other information deemed necessary by the commission. **None noted**			X	
40.	480-93-200(5)	Supplemental report if required information becomes available after 30 day report submitted **None noted**			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**			X	
42.	480-93-200(7)	Annual Reports filed with the commission no later than March 15 for the proceeding calendar year				
43.	480-93-200(7)(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	X			
44.	480-93-200(7)(b)	Damage Prevention Statistics Report including the following;				
45.	480-93-200(7)(b)(i)	Number of gas-related one-call locate requests completed in the field; **33504 –WA**	X			
46.	480-93-200(7)(b)(ii)	Number of third-party damages incurred; and **122-WA**	X			
47.	480-93-200(7)(b)(iii)	Cause of damage, where cause of damage is classified as one of the following: (A) Inaccurate locate; 14 (B) Failure to use reasonable care; 54 (C) Excavated prior to a locate being conducted; or (D) Other. 54	X			
48.	480-93-200(7)(c)	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: 2010 2011 (i) Types and numbers of construction defects; and 1 0 (ii) Types and numbers of material failures. 1 1	X			
49.	480-93-200(8)	Providing updated emergency contact information to the commission and appropriate officials of all municipalities where gas pipeline companies have facilities **Yes**	X			
50.	480-93-200(9)	Providing by email, reports of daily construction and repair activities no later than 10:00 a.m. **Yes**	X			
51.	480-93-200(10)	Submitting copy of DOT Drug and Alcohol Testing MIS Data Collection Form when required **Yes, date certified 02/17/2012 for 2010**	X			

Comments:

**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.

--

CUSTOMER and EXCESS FLOW VALVE INSTALLATION NOTIFICATION			S	U	N/A	N/C
52.	192.16	Customer notification - Customers notified, within 90 days , of their responsibility for those service lines not maintained by the operator **SPW 619 Houseline Maintenance brochure/ Part of public awareness**	X			
53.	192.381	Does the excess flow valve meet the performance standards prescribed under §192.381? **SPW 381, meets 192.381 Section 3.1**	X			
54.	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? **Engineering procedure J7 contains specifications.**	X			

Comments:
Specifications for excess flow valves are spelled out in Engineering Procedure J7

CONSTRUCTION RECORDS			S	U	N/A	N/C
55.	480-93-013	OQ records for personnel performing New Construction covered tasks **Reviewed OQ Qualification Cards**	X			
56.	192.225	Test Results to Qualify Welding Procedures – Reviewed WPA 130	X			
57.	192.227	Welder Qualification	X			
58.	480-93-080(1)(b)	Appendix C Welders re-qualified 2/Yr (7.5Months) Re qualify every 6 months	X			
59.	480-93-080(2)	Plastic pipe joiners re-qualified 1/Yr (15 Months) Re qualify every 6 months	X			
60.	480-93-080(2)(b)	Plastic pipe joiners re-qualified if no production joints made during any 12 month period Do not track joints, re-qualify	X			
61.	480-93-080(2)(c)	Tracking Production Joints or Re-qualify joiners 1/Yr (12Months) Re-qualify joiners every 6 months	X			
62.	480-93-115(2)	Test leads on casings (without vents) installed after 9/05/1992 SPW 467 – Section 3.1.3, 2.3	X			
63.	480-93-115(3)	Sealing ends of casings or conduits on transmission lines and mains SPW 150 + SPW 160	X			
64.	480-93-115(4)	Sealing ends (nearest building wall) of casings or conduits on services SPW 160	X			
65.	192.241(a)	Visual Weld Inspector Training/Experience **James Greger, CWI 04061561, QC1 exp 6/1/2013**	X			
66.	192.243(b)(2)	Nondestructive Technician Qualification **Level 2 certification**	X			
67.	192.243(c)	NDT procedures **They have their own procedures (ANTC)**	X			
68.	192.243(f)	Total Number of Girth Welds **29 and 2 tie ins**	X			
69.	192.243(f)	Number of Welds Inspected by NDT **29 and 2 tie ins**	X			
70.	192.243(f)	Number of Welds Rejected **None**			X	
71.	192.243(f)	Disposition of each Weld Rejected **None**			X	
72.	.273/.283	Qualified Joining Procedures Including Test Results **No Plastic**			X	
73.	192.303	Construction Specifications **SPW 150**	X			
74.	192.325 WAC 480-93-178(4)(5)	Underground Clearances **SPW 150 Section 3.4.5**	X			

**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.

CONSTRUCTION RECORDS			S	U	N/A	N/C
75.	192.327	Amount, location, cover of each size of pipe installed **SPW 150**	X			
76.	480-93-160(1)	Report filed 45 days prior to construction or replacement of transmission pipelines ≥ 100 feet in length **No transmission pipeline during time frame**			X	
77.	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: **No transmission pipeline during time frame**			X	
78.	480-93-160(2)(a)	Description and purpose of the proposed pipeline; **No transmission pipeline during time frame**			X	
79.	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. **No transmission pipeline during time frame**			X	
80.	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 **No transmission pipeline during time frame**			X	
81.	480-93-160(2)(d)	MAOP for the gas pipeline being constructed; **No transmission pipeline during time frame**			X	
82.	480-93-160(2)(e)	Location and construction details of all river crossings or other unusual construction requirements encountered en route. **None**			X	
83.	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; **None**			X	
84.	480-93-160(2)(g)	Welding specifications; and **None**			X	
85.	480-93-160(2)(h)	Bending procedures to be followed if needed. **None**			X	
86.	480-93-170(1)	Commission notified 2 days prior to pressure testing pipelines with an MAOP producing a hoop stress $\geq 20\%$ SMYS? **No such pressure test**			X	
87.	480-93-170(7)	Pressure tests records at a minimum include required information listed under 480-93-170(a-h) **No such pressure test**			X	
88.	480-93-170(9)	Individual pressure test records maintained for single installations where multiple pressure tests were performed? **Reviewed pressure test for Job # 3354200**	X			
89.	480-93-170(10)	Pressure Testing Equipment checked for accuracy/intervals (Manufacturers Rec or Operators schedule) **Yes**	X			
90.	480-93-175(2)	Study prepared and approved prior to moving and lowering of metallic pipelines > 60 psig **not in State of Washington**			X	
91.	480-93-175(4)	Leak survey within 30 days of moving or lowering pipelines ≤ 60 psig **None**			X	

Comments:
Job #3354200
SE 8th Avenue & C Street
Welder 15 – reviewed x-ray reports.

OPERATIONS and MAINTENANCE RECORDS			S	U	N/A	N/C
92.	192.517(a)	Pressure Testing (operates at or above 100 psig) – useful life of pipeline **SPW 504**	X			
93.	192.517(b)	Pressure Testing (operates below 100 psig, service lines, plastic lines) – 5 years **SPW 511**	X			
94.	192.605(a)	Procedural Manual Review – Operations and Maintenance (1 per yr/15 months) Note: Including review of OQ procedures as suggested by PHMSA - ADB-09-03 dated 2/7/09 ** O&M Manual Team inspection April 2012**	X			

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.

OPERATIONS and MAINTENANCE RECORDS			S	U	N/A	N/C	
95.	192.605(b)(3)	Availability of construction records, maps, operating history to operating personnel	X				
96.	480-93-018(3)	Records, including maps and drawings updated within 6 months of completion of construction activity? **Job # 3354208 reflected on current maps see comments**	X				
97.	192.605(b)(8)	Periodic review of personnel work – effectiveness of normal O&M procedures **Annual OQ Review and Audits see comments**	X				
98.	192.605(c)(4)	Periodic review of personnel work – effectiveness of abnormal operation procedures **Yearly testing**	X				
99.	192.609	Class Location Study (If applicable) **Currently being done by 3rd party**	X				
100.	192.611	Confirmation or revision of MAOP **Part of class location survey**	X				
101.		Damage Prevention (Operator Internal Performance Measures)					
102.	192.614	Does the operator have a quality assurance program in place for monitoring the locating and marking of facilities? Do operators conduct regular field audits of the performance of locators/contractors and take action when necessary? (CGA Best Practices v. 6.0, Best Practice 4-18. Recommended only, not required) **85% Contractor – Locating Inc., See comments for #97**	X				
103.		Does operator including performance measures in facility locating services contracts with corresponding and meaningful incentives and penalties? **No**	X				
104.		Do locate contractors address performance problems for persons performing locating services through mechanisms such as re-training, process change, or changes in staffing levels? **Formal QA/QP procedure**	X				
105.		Does the operator periodically review the Operator Qualification plan criteria and methods used to qualify personnel to perform locates? **AOC's every year, performance based testing every 3 years**	X				
106.		Review operator locating and excavation <u>procedures</u> for compliance with state law and regulations.	X				
107.		Are locates are being made within the timeframes required by state law and regulations? Examine record sample. **Reviewed sample**	X				
108.		Are locating and excavating personnel properly <u>qualified</u> in accordance with the operator's Operator Qualification plan and with federal and state requirements? **Yes**	X				
109.		Follow-up inspection performed on the pipeline where there is reason to believe the pipeline could be damaged .614(c) (6) **None during time period** 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?	X				
110.		480-93-250 RCW 19.122.053	Has the operator subscribed to the UTC Virtual Damage Information Reporting Tool (DIRT)? Mandatory reporting required effective 1/1/2013. Operator may register at https://identity.damagereporting.org/cgareg/control/login.do			Y/N Y	

Comments:

Item #96 – Updates in 6 months, Job #3354208, PO# for pipe #77008, Test #1221, 700ft of 6-in nominal pipe.

Item #97 – Ongoing Audits (Random)are performed throughout the year for:

- Construction/Contractors
- Customer Service
- Leak Inspect (In house and 3rd party)
- Locate contractors

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.

111.		Emergency Response Plans	S	U	N/A	N/C																										
112.	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 **Reviewed incident reports**	X																													
113.	192.615(b)(1)	Location Specific Emergency Plan **Emergency Response Plan – with specific notes on each county and people to contact**	X																													
114.	192.615(b)(2)	Emergency Procedure training, verify effectiveness of training **Incident Review Committee after each incident **	X																													
115.	192.615(b)(3)	Employee Emergency activity review, determine if procedures were followed. **Reviewed records of previous 2012 committee reviews**	X																													
116.	192.615(c)	Liaison Program with Public Officials **Reviewed training roster 9/9/09, handouts and brochures**	X																													
117.	192.616	Public Awareness Program																														
118.	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:	X																													
119.		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.																														
120.		API RP 1162 Baseline* Recommended Message Deliveries																														
121.		<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				
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																															
122.		* Refer to API RP 1162 for additional requirements, including general program recommendations, supplemental requirements, recordkeeping, program evaluation, etc.																														
123.	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																													
124.	.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
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.

125.	192.616(j)	Operators of a Master Meter or petroleum gas system – public awareness messages 2 times annually: **None in Washington State** (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	
126.	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) **No laboratory analysis**			X	

Comments:

127.	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) **SPW 623/627**	X			
128.	480-93-015(1)	Odorization of Gas – Concentrations adequate **Reviewed Odorometer Sniff Tests**	X			
129.	480-93-015(2)	Monthly Odorant Sniff Testing **Reviewed Odorometer Sniff Tests**	X			
130.	480-93-015(3)	Prompt action taken to investigate and remediate odorant concentrations not meeting the minimum requirements **None noted during review**	X			
131.	480-93-015(4)	Odorant Testing Equipment Calibration/Intervals (Annually or Manufacturers Recommendation) ** Reviewed annual calibrations**	X			
132.	480-93-124(3)	Pipeline markers attached to bridges or other spans inspected? 1/yr(15 months) **Annual bridge Line Inspection**	X			
133.	480-93-124(4)	Markers reported missing or damaged replaced within 45 days? **SP 705 Sec 3.5**	X			
134.	480-93-140(2)	Service regulators and associated safety devices tested during initial turn-on **SP 373-Service Regulators**	X			
135.	480-93-155(1)	Up-rating of system MAOP to >60 psig? Procedures and specifications submitted 45 days prior? **None in Washington – SPW 555**	X			
136.	480-93-185(1)	Reported gas leaks promptly investigated? Graded in accordance with 480-93-186? Records retained? **10 active leaks**	X			
137.	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; **SP 603 Sec 3.4**	X			
138.	480-93-185(3)(b)	Leaks originating from a foreign source reported promptly/notification by mail. Records retained? **Triplicate Form – White to customer.(reviewed 50)**	X			
139.	480-93-186(3)	Leak evaluations: Are follow-up inspections performed within 30 days of a leak repair? **SP-709 – Leak Classification**	X			
140.	480-93-186(4)	Leak evaluations: Grade 1 and 2 leaks (if any), downgraded once to a grade 3 without physical repair? **SP 709 Sec 3.4**	X			
141.	480-93-187	Gas leak records: at a minimum include required information listed under 480-93-187(1-13) **Yes**	X			
142.	480-93-188(1)	Gas leak surveys **SP 707 – Leakage Survey Program**	X			
143.	480-93-188(2)	Gas detection instruments tested for accuracy/intervals (Mfct recommended or monthly not to exceed 45 days) **Survey Instruments/90 day re Cal**	X			
144.	480-93-188(3)	Leak survey frequency (Refer to Table Below)	X			

**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.

		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)															
145.	480-93-188(4)(a)	Special leak surveys - Prior to paving or resurfacing, following street alterations or repairs **SP 707 – Special Survey Sec 3_3.2**	X															
146.	480-93-188(4)(b)	Special leak surveys - areas where substructure construction occurs adjacent to underground gas facilities, and damage could have occurred **None in time period**	X															
147.	480-93-188(4)(c)	Special leak surveys - Unstable soil areas where active gas lines could be affected **None in time period**	X															
148.	480-93-188(4)(d)	Special leak surveys - areas and at times of unusual activity, such as earthquake, floods, and explosions **None in time period**	X															
149.	480-93-188(4)(e)	Special leak surveys - After third-party excavation damage to services, operators must perform a gas leak survey from the point of damage to the service tie-in **None in time period**	X															
150.	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) **Reviewed Sample**	X															
151.	480-93-188(6)	Leak program - Self Audits **Every 3 years per SP 707**	X															
152.	192.709	Patrolling (Transmission Lines) (Refer to Table Below) .705 **SP 703**	X															
<table border="1"> <thead> <tr> <th>Class Location</th> <th>At Highway and Railroad Crossings</th> <th>At All Other Places</th> </tr> </thead> <tbody> <tr> <td>1 and 2</td> <td>2/yr (7½ months)</td> <td>1/yr (15 months)</td> </tr> <tr> <td>3</td> <td>4/yr (4½ months)</td> <td>2/yr (7½ months)</td> </tr> <tr> <td>4</td> <td>4/yr (4½ months)</td> <td>4/yr (4½ months)</td> </tr> </tbody> </table>							Class Location	At Highway and Railroad Crossings	At All Other Places	1 and 2	2/yr (7½ months)	1/yr (15 months)	3	4/yr (4½ months)	2/yr (7½ months)	4	4/yr (4½ months)	4/yr (4½ months)
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)																
153.	192.709	Leak Surveys (Transmission Lines) (Refer to Table Below) .706 **SP 707 §3_3.2**	X															
<table border="1"> <thead> <tr> <th>Class Location</th> <th>Required</th> <th>Not Exceed</th> </tr> </thead> <tbody> <tr> <td>1 and 2</td> <td>1/yr</td> <td>15 months</td> </tr> <tr> <td>3</td> <td>2/yr</td> <td>7½ months</td> </tr> <tr> <td>4</td> <td>4/yr</td> <td>4½ months</td> </tr> </tbody> </table>							Class Location	Required	Not Exceed	1 and 2	1/yr	15 months	3	2/yr	7½ months	4	4/yr	4½ months
Class Location	Required	Not Exceed																
1 and 2	1/yr	15 months																
3	2/yr	7½ months																
4	4/yr	4½ months																
154.	192.603(b)	Patrolling Business District (4 per yr/4½ months) .721(b)(1) **SP 703 §3_3.4**	X															
155.	192.603(b)	Patrolling Outside Business District (2 per yr/7½ months) 192.721(b)(2) **SP 703 §3_3.4**	X															
156.	192.603(b)	Leakage Survey - Outside Business District (5 years) 192.723(b)(1) **Main Survey – every 5 years**	X															
157.	192.603(b)	Leakage Survey 192.723(b)(2) <ul style="list-style-type: none"> • Outside Business District (5 years) • Cathodically unprotected distribution lines (3 years) **Bare Mains – every 6 months** 	X															
158.	192.603(b)	Tests for Reinstating Service Lines 192.725 **SP 725**	X															
159.	192.603(b)/.727(g)	Abandoned Pipelines; Underwater Facility Reports 192.727 **None**			X													
160.	192.709	Pressure Limiting and Regulating Stations (1 per yr/15 months) .739 **SP 743 §3_3.5**	X															
161.	192.709	Pressure Limiting and Regulator Stations – Capacity (1 per yr/15 months) .743 **Reviewed relief capacity reports **	X															
162.	192.709	Valve Maintenance – Transmission (1 per yr/15 months) .745 **SP 405 §3**	X															
163.	192.709	Valve Maintenance – Distribution (1 per yr/15 months) .747 **SP 405 §3**	X															
164.	480-93-100(3)	Service valve maintenance (1 per yr/15 months) **SP 405 §3**	X															

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.

165.	192.709	Vault maintenance (≥200 cubic feet)(1 per yr/15 months) **No vaults in WA greater than 200 cubic feet** .749			X	
166.	192.603(b)	Prevention of Accidental Ignition (hot work permits) .751 **Ok- None in WA**	X			
167.	192.603(b)	Welding – Procedure 192.225(b) **Reviewed Job # 3354200, see comments **	X			
168.	192.603(b)	Welding – Welder Qualification 192.227/.229 **Reviewed Job # 3354200, see comments **	X			
169.	192.603(b)	NDT – NDT Personnel Qualification .243(b)(2) **Reviewed Job # 3354200, see comments **	X			
170.	192.709	NDT Records (pipeline life) .243(f) **Reviewed Job # 3354200, see comments **	X			
171.	192.709	Repair: pipe (pipeline life); Other than pipe (5 years) **Reviewed Job # 3354200, see comments **	X			
172.	192.905(c)	Periodically examining their transmission line routes for the appearance of newly identified area's (HCA's) **SP 703**	X			

Comments:

Items 167-171 - Reviewed welding procedure, welder quals, NDT qualifications and NDT Records for HP 6-inch reroute Job #3354200.

CORROSION CONTROL RECORDS			S	U	N/A	N/C
173.	192.455(a)(1)	Pipeline coatings meet requirements of 192.461 (for buried pipelines installed after 7/31/71) **SP 455 – Corrosion Control**	X			
174.	192.455(a)(2)	CP system installed on and operating within 1 yr of completion of pipeline construction (after 7/31/71) **Installed same time as pipeline**	X			
175.	192.465(a)	Annual Pipe-to-soil Monitoring (1 per yr/15 months) for short sections (10% per year; all in 10 years) **Isolated Surveys SP 465 Section 3**	X			
176.	192.491	Test Lead Maintenance .471 **SP 469**	X			
177.	192.491	Maps or Records .491(a) **SP 465**	X			
178.	192.491	Examination of Buried Pipe when exposed .459 **SPW 459 Section 3_3.1**	X			
179.	480-93-110(8)	CP test reading on all exposed facilities where coating has been removed **SPW 459 Section 3_3.1**	X			
180.	192.491	Annual Pipe-to-soil monitoring (1 per yr/15 months) .465(a) **reviewed sample**	X			
181.	192.491	Rectifier Monitoring (6 per yr/2½ months) .465(b) **SPW 465**	X			
182.	192.491	Interference Bond Monitoring – Critical (6 per yr/2½ months) .465(c) **None in Clark County**	X			
183.	192.491	Interference Bond Monitoring – Non-critical (1 per yr/15 months) .465(c) **None in Clark County**	X			
184.	480-93-110(2)	Remedial action taken within 90 days (Up to 30 additional days if other circumstances. Must document) .465(d) **SP 463 Section 3_3.5.2**	X			
185.	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. **Reviewed CP equipment calibrations**	X			
186.	192.491	Unprotected Pipeline Surveys, CP active corrosion areas (1 per 3 cal yr/39 months) .465(e) **No unprotected pipelines**			X	
187.	192.491	Electrical Isolation (Including Casings) .467 **Reviewed sample**	X			
188.	480-93-110(5)	Casings inspected/tested annually not to exceed fifteen months **Reviewed sample**	X			
189.	480-93-110(5)(a)	Casings w/no test leads installed prior to 9/05/1992. Demonstrate other acceptable test methods **SP 465 §3_3.3**	X			

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.

CORROSION CONTROL RECORDS			S	U	N/A	N/C
190.	480-93-110(5)(b)	Possible shorted conditions – Perform confirmatory follow-up inspection within 90 days **No shorted conditions in Clark Co**			X	
191.	480-93-110(5)(c)	Casing shorts cleared when practical **No shorted conditions in Clark Co**			X	
192.	480-93-110(5)(d)	Shorted conditions leak surveyed within 90 days of discovery. Twice annually/7.5 months **No shorted conditions in Clark Co**			X	
193.	192.491	Interference Currents .473 **No interference in Clark Co**			X	
194.	192.491	Internal Corrosion; Corrosive Gas Investigation .475(a) **ICDA – Gas Not Corrosive**			X	
195.	192.491	Internal Corrosion; Internal Surface Inspection; Pipe Replacement .475(b) **ICDA**	X			
196.	192.491	Internal Corrosion Control Coupon Monitoring (2 per yr/7½ months) .477 **None**			X	
197.	192.491	Atmospheric Corrosion Control Monitoring (1 per 3 cal yr/39 months onshore; 1 per yr/15 months offshore) .481 **Every 3 years**	X			
198.	192.491	Remedial: Replaced or Repaired Pipe; coated and protected; corrosion evaluation and actions .483/485 **ICDA – Pipe was replaced and inspected**	X			

Comments:

PIPELINE INSPECTION (Field)			S	U	N/A	N/C
199.	192.161	Supports and anchors	X			
200.	480-93-080(1)(d)	Welding procedures located on site where welding is performed?	X			
201.	480-93-080(1)(b)	Use of testing equipment to record and document essential variables	X			
202.	480-93-080(2)(a)	Plastic procedures located on site where welding is performed?	X			
203.	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			
204.	480-93-013	Personnel performing “New Construction” covered tasks OQ qualified?	X			
205.	480-93-015(1)	Odorization	X			
206.	480-93-018(3)	Updated records, inc maps and drawings made available to appropriate operations personnel?	X			
207.	192.179	Valve Protection from Tampering or Damage	X			
208.	192.455	Pipeline coatings meet requirements of 192.461 (<i>for buried pipelines installed after 7/31/71</i>)	X			
209.	192.463	Levels of cathodic protection	X			
210.	192.465	Rectifiers	X			
211.	192.467	CP - Electrical Isolation	X			
212.	192.476	Systems designed to reduce internal corrosion **ICDA study found Internal corrosion not a problem in Clark Co**	X			
213.	192.479	Pipeline Components exposed to the atmosphere	X			
214.	192.481	Atmospheric Corrosion: monitoring	X			
215.	192.491	Test Stations – Sufficient Number .469	X			
216.	480-93-115(2)	Casings – Test Leads (casings w/o vents installed after 9/05/1992)	X			
217.	480-93-115(2)	Mains or transmission lines installed in casings/conduit. Are casing ends sealed?	X			

**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.

PIPELINE INSPECTION (Field)			S	U	N/A	N/C
218.	480-93-115(4)	Service lines installed in casings/conduit. Are casing ends nearest to building walls sealed?	X			
219.	192.605(a)	Appropriate parts of manuals kept at locations where O&M activities are conducted	X			
220.	192.605	Knowledge of Operating Personnel	X			
221.	480-93-124	Pipeline markers	X			
222.	480-93-124(4)	Markers reported missing or damaged replaced within 45 days?	X			
223.	192.719	Pre-pressure Tested Pipe (Markings and Inventory)	X			
224.	192.195	Overpressure protection designed and installed where required?	X			
225.	192.739/743	Pressure Limiting and Regulating Devices (Mechanical/Capacities)	X			
226.	192.741	Telemetry, Recording Gauges	X			
227.	192.751	Warning Signs	X			
228.	192.355	Customer meters and regulators. Protection from damage	X			
229.	192.355(c)	Pits and vaults: Able to support vehicular traffic where anticipated.	X			
230.	480-93-140	Service regulators installed, operated and maintained per state/fed regs and manufacturers recommended practices?	X			
231.	480-93-178(2)	Plastic Pipe Storage facilities – Maximum Exposure to Ultraviolet Light (2yrs)	X			
232.	480-93-178(4)	Minimum Clearances from other utilities. For parallel lines a minimum of twelve inches. Where a minimum twelve inches of separation is not possible, must take adequate precautions, such as inserting the plastic pipeline in conduit, to minimize any potential hazards.	X			
233.	480-93-178(5)	Minimum Clearances from other utilities. For perpendicular lines a minimum of six inches of separation from the other utilities. Where a minimum six inches of separation is not possible, must take adequate precautions, such as inserting the plastic pipeline in conduit, to minimize any potential hazards	X			
234.	480-93-178(6)	Are there Temporary above ground PE pipe installations currently? Yes No X				
235.	480-93-178(6)(a)	If yes, is facility monitored and protected from potential damage? **none**			X	
236.	480-93-178(6)(b)	If installation exceeded 30 days, was commission staff notified prior to exceeding the deadline? **none**			X	
237.	192.745	Valve Maintenance (Transmission)	X			
238.	192.747	Valve Maintenance (Distribution)	X			

Facility Sites Visited:

Facility Type	Facility ID Number	Location

Comments:

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.

<u>Number</u>	<u>Date</u>	<u>Subject</u>
ADB-10-07	August 31, 2010	Liquefied Natural Gas Facilities: Obtaining Approval of Alternative Vapor-Gas Dispersion Models
ADB-10-08	November 3, 2010	Pipeline Safety: Emergency Preparedness Communications
ADB-11-01	January 4, 2011	Pipeline Safety: Establishing Maximum Allowable Operating Pressure or Maximum Operating Pressure Using Record Evidence, and Integrity Management Risk Identification, Assessment, Prevention, and Mitigation
ADB-11-02	February 9, 2011	Dangers of Abnormal Snow and Ice Build-up on Gas Distribution Systems

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

		COMPRESSOR STATION PROCEDURES	S	U	N/A	N/C
239.	.605(b)	**No Compressor Stations In Clark Co**				
240.		.605(b)(6) Maintenance procedures, including provisions for isolating units or sections of pipe and for purging before returning to service			X	
241.		.605(b)(7) Starting, operating, and shutdown procedures for gas compressor units			X	
242.		.731 Inspection and testing procedures for remote control shutdowns and pressure relieving devices (1 per yr/15 months), prompt repair or replacement			X	
243.		.735 (a) Storage of excess flammable or combustible materials at a safe distance from the compressor buildings			X	
244.		(b) Tank must be protected according to NFPA #30			X	
245.		.736 Compressor buildings in a compressor station must have fixed gas detection and alarm systems (must be performance tested), unless:			X	
246.		• 50% of the upright side areas are permanently open, or			X	
247.		• It is an unattended field compressor station of 1000 hp or less			X	

Comments:

			S	U	N/A	N/C
COMPRESSOR STATION O&M PERFORMANCE AND RECORDS						
No Compressor Stations In Clark Co						
248.	.709	.731(a) Compressor Station Relief Devices (1 per yr/15 months)			X	
249.		.731(c) Compressor Station Emergency Shutdown (1 per yr/15 months)			X	
250.		.736(c) Compressor Stations – Detection and Alarms (Performance Test)			X	

Comments:

			S	U	N/A	N/C
COMPRESSOR STATIONS INSPECTION (Field)						
(Note: Facilities may be “Grandfathered”)						
No Compressor Stations In Clark Co						
251.	.163	(c) Main operating floor must have (at least) two (2) separate and unobstructed exits			X	
252.		Door latch must open from inside without a key			X	
253.		Doors must swing outward			X	
254.		(d) Each fence around a compressor station must have (at least) 2 gates or other facilities for emergency exit			X	
255.		Each gate located within 200 ft of any compressor plant building must open outward			X	
256.		When occupied, the door must be opened from the inside without a key			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”)						
No Compressor Stations In Clark Co						
257.	(e)	Does the equipment and wiring within compressor stations conform to the National Electric Code, ANSI/NFPA 70?			X	
258.	.165 (a)	If applicable, are there liquid separator(s) on the intake to the compressors?			X	
259.	(b)	Do the liquid separators have a manual means of removing liquids?			X	
260.		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	
261.	.167 (a)	ESD system must:				
262.		- Discharge blowdown gas to a safe location			X	
263.		- Block and blow down the gas in the station			X	
264.		- Shut down gas compressing equipment, gas fires, electrical facilities in compressor building and near gas headers			X	
265.		- Maintain necessary electrical circuits for emergency lighting and circuits needed to protect equipment from damage			X	
266.		ESD system must be operable from at least two locations, each of which is:				
267.	.167	- Outside the gas area of the station			X	
268.		- Not more than 500 feet from the limits of the station			X	
269.		- ESD switches near emergency exits?			X	
270.	(b)	For stations supplying gas directly to distribution systems, is the ESD system configured so that the LDC will not be shut down if the ESD is activated?			X	
271.	(c)	Are ESDs on platforms designed to actuate automatically by...				
272.		- For unattended compressor stations, when:				
273.		▪ The gas pressure equals MAOP plus 15%?			X	
274.		▪ An uncontrolled fire occurs on the platform?			X	
275.		- For compressor station in a building, when				
276.		▪ An uncontrolled fire occurs in the building?			X	
277.		▪ Gas in air reaches 50% or more of LEL in a building with a source of ignition (facility conforming to NEC Class 1, Group D is not a source of ignition)?			X	
278.	.171 (a)	Does the compressor station have adequate fire protection facilities? If fire pumps are used, they must not be affected by the ESD system.			X	
279.	(b)	Do the compressor station prime movers (other than electrical movers) have over-speed shutdown?			X	
280.	(c)	Do the compressor units alarm or shutdown in the event of inadequate cooling or lubrication of the unit(s)?			X	
281.	(d)	Are the gas compressor units equipped to automatically stop fuel flow and vent the engine if the engine is stopped for any reason?			X	
282.	(e)	Are the mufflers equipped with vents to vent any trapped gas?			X	
283.	.173	Is each compressor station building adequately ventilated?			X	
284.	.457	Is all buried piping cathodically protected?			X	
285.	.481	Atmospheric corrosion of aboveground facilities			X	
286.	.603	Does the operator have procedures for the start-up and shut-down of the station and/or compressor units?			X	
287.		Are facility maps current/up-to-date?			X	
288.	.615	Emergency Plan for the station on site?			X	
289.	.619	Review pressure recording charts and/or SCADA			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”)						
No Compressor Stations In Clark Co						
290.	.707	Markers			X	
291.	.731	Overpressure protection – relief’s or shutdowns			X	
292.	.735	Are combustible materials in quantities exceeding normal daily usage, stored a safe distance from the compressor building?			X	
293.		Is aboveground oil or gasoline storage tanks protected in accordance with NFPA standard No. 30?			X	
294.	.736	Gas detection – location			X	

Comments: