

# Utilities and Transportation Commission

## Standard Inspection Report for Intrastate Gas Distribution Systems

### Records Review and Field Inspection

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			
<b>Inspection ID/Docket Number</b>	2597		
<b>Inspector Name &amp; Submit Date</b>	Dennis Ritter, 10/8/2012		
<b>Chief Eng Name &amp; Review/Date</b>	Joe Subsits, 10/9/2012		
Operator Information			
<b>Name of Operator:</b>	Air Liquide	<b>OP ID #:</b>	842
<b>Name of Unit(s):</b>	Kalama		
<b>Records Location:</b>	Kalama		
<b>Date(s) of Last (unit) Inspection:</b>	3/23-25/2009	<b>Inspection Date(s):</b>	10/3-10/4/12 Kalama WA

**Inspection Summary:**

The inspection was conducted on site at the Air Liquide facility in Kalama WA 10/03-10/04/12. A review of applicable design, construction, and O&M records was performed as well as field OQ and pipeline right of way inspection. The following deficiencies were noted. These deficiencies may lead to probable violations or an area of concern. This information was discussed with the operator during the exit interview. Actual determination of probable violations and/or areas of concern would be made during the inspection write up phase.

**Probable Violations:**

1. 191.22-the operator did not validate their OPID by June 20, 2012;
2. 192.605(b)(8)- the operator did not periodically review employee work under normal operating parameters to assess the effectiveness of O&M procedures;
3. 192.615(c)-the operator could only document liaison training with local FD, however, police, and other public officials are specifically mentioned in the regulation.
- 4&5. 192.616(e&f)- the operator could not properly document adequate implementation of the operator's Public Awareness Program requirements;
6. 192.616(g)- the operator could not properly document that the PA program is conducted in English and any other languages commonly understood by a significant number of the population in the operator's area;
7. 192.616(h)-the operator could not document the operator's PA program was reviewed for effectiveness within four years of the date the operator's program was first completed;
8. 192-614/192.807-the operator could not document the contractor who performs locates had been properly qualified in accordance with the operator's Operator Qualification plan.
9. 480-93-110(3)-the operator could not produce calibration documentation for the multimeter used in the 2009 (second half) CP survey or any calibration documentation for the half-cells used for pipe to soil readings for the years 2010,2011 and 2012.
10. 480-93-188(3)-the operator did not leak survey every month as required for unodorized systems. They surveyed twice per calendar year.
11. 480-93-200(8)-the operator did not notify all municipalities where they have facilities;

**AOCs:**

1. 192.603(b)-the operator needs to be able to produce documents necessary to show proper administration of the procedures in 192.605. Due to an accident, the plant manager was not available during the inspection which made accessing documentation relating to certain procedures difficult and in some cases impossible. The operator should have a plan in place to ensure documentation is accessible at all times.
2. 192.605(c)(4)-the operator did not periodically review employee work under abnormal operating parameters to assess the effectiveness of O&M procedures;
3. 192.619-the operator had a document showing the calculation of the MAOP based on hydrotesting, however, this document is incomplete. It needs to be completed and signed by appropriate company official or engineer.

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

<b>HQ Address:</b> Air Liquide Industrial, U.S. LP 2700 Post Oak Blvd Suite 1800 Houston, Texas, 77056		<b>System/Unit Name &amp; Address:</b> Air Liquide Industrial, U.S. LP 185 East Wind Rd P.O. Box 10 Kalama, WA 98625	
<b>Co. Official:</b>	Roger Perreault	<b>Phone No.:</b>	(360) 673-1400
<b>Phone No.:</b>	(713) 624-8349	<b>Fax No.:</b>	(360) 673-1428
<b>Fax No.:</b>	(713) 438-6990	<b>Emergency Phone No.:</b>	(360) 673-1488
<b>Emergency Phone No.:</b>	(713) 438-6302		
<b>Persons Interviewed</b>	<b>Title</b>	<b>Phone No.</b>	
Bobby Skelton	Manager-Field Operations	(713) 438-6351	
Scott Moon	Operations Supervisor/Acting Plant Manager	(360) 673-1400	
Larry Chapman	Operations Tech	(360) 673-1400	

<b>WUTC staff conducted an abbreviated procedures inspection on 192 O&amp;M and WAC items that changed since the last inspection. This checklist focuses on Records and Field items per a routine standard inspection.</b> (check one below and enter appropriate date)			
<input type="checkbox"/>	Team inspection was performed (Within the past five years.) or,	<b>Date:</b>	
<input checked="" type="checkbox"/>	Other WUTC Inspector reviewed the O & M Manual (Since the last yearly review of the manual by the operator.)	<b>Date:</b>	3/2009

**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	Self		
Services:	Residential      Commercial      Industrial <b>X</b> Other		
Number of reportable safety related conditions last year	0	Number of deferred leaks in system	0
Number of <u>non-reportable</u> safety related conditions last year	0	Number of third party hits last year	0
Miles of transmission pipeline within unit (total miles and miles in class 3 & 4 areas)	0	Miles of main within inspection unit (total miles and miles in class 3 & 4 areas)	2.03, 0 in class 3&4
<b>Operating Pressure(s):</b>		<b>MAOP (Within last year)</b>	<b>Actual Operating Pressure (At time of Inspection)</b>
Feeder:	185	354	180 (gauge at Emerald Performance Materials)
Town:			
Other:			
Does the operator have any transmission pipelines?			
Compressor stations? Use Attachment 1.	0		

Pipe Specifications:			
Year Installed (Range)	1997	Pipe Diameters (Range)	2"
Material Type	Steel	Line Pipe Specification Used	API 5L X-42
Mileage	2.03	SMYS %	4 (based on MAOP)

Operator Qualification Field Validation
<b>Important:</b> 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 <a href="http://primis.phmsa.dot.gov/oqdb/home.oq">http://primis.phmsa.dot.gov/oqdb/home.oq</a> <b>Date Completed/Uploaded</b> 10/25/2012

Integrity Management Field Validation
<b>Important:</b> 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 <a href="http://primis.phmsa.dot.gov/gasimp/home.gim">http://primis.phmsa.dot.gov/gasimp/home.gim</a> <b>Date Completed/Uploaded:</b>

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)	<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</b> 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 <a href="mailto:opsgis@rspa.dot.gov">opsgis@rspa.dot.gov</a> stating that fact.</u> Include operator contact information with all updates.	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? <b>No pipelines over 250.</b>			X	
3.	191.5	Immediate Notice of certain incidents to <b>NRC (800) 424-8802</b> , or electronically at <a href="http://www.nrc.uscg.mil/nrchp.html">http://www.nrc.uscg.mil/nrchp.html</a> , and additional report if significant new information becomes available. <b>Operator must have a written procedure for calculating an initial estimate of the amount of product released in an accident. This is only for liquid operators</b>			X	
4.	191.7	Reports (except SRCR and offshore pipeline condition reports) must be submitted electronically to PHMSA at <a href="https://opsweb.phmsa.dot.gov">https://opsweb.phmsa.dot.gov</a> at unless an alternative reporting method is authorized IAW with paragraph (d) of this section.	X			
5.	191.15(a)	30-day follow-up written reports to PHMSA ( <b>Form F7100.2</b> ) Submittal must be electronically to <a href="http://pipelineonlinereporting.phmsa.dot.gov">http://pipelineonlinereporting.phmsa.dot.gov</a> <b>No follow up reports</b>			X	
6.	191.15(c)	Supplemental report (to 30-day follow-up) <b>No supplemental reports</b>			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	Each operator must obtain an OPID, validate its OPIDs, and notify PHMSA of certain events at <a href="https://opsweb.phmsa.dot.gov">https://opsweb.phmsa.dot.gov</a> <b>A-L did not validate their OPID by 6/20/12</b>		X		
9.	191.23	Filing the <b>Safety Related Condition Report (SRCR)</b> <b>No SRCR reports</b>			X	
10.	191.25	Filing the SRCR within 5 days of determination, but not later than 10 days after discovery <b>No SRCR reports</b>			X	
11.	.605(d)	Instructions to enable operation and maintenance personnel to recognize potential <b>Safety Related Conditions</b>	X			
12.	191.27	Offshore pipeline condition reports – filed within 60 days after the inspections <b>No offshore pipelines</b>			X	
13.	192.727(g)	Abandoned facilities offshore, onshore crossing commercially navigable waterways reports <b>No abandoned facilities</b>			X	
14.	480-93-200(1)	Telephonic Reports to <b>UTC Pipeline Safety Incident Notification 1-888-321-9146</b> (Within <b>2 hours</b> ) for events which results in;				
15.	480-93-200(1)(a)	A fatality or personal injury requiring hospitalization; <b>No incidents</b>			X	
16.	480-93-200(1)(b)	Damage to property of the operator and others of a combined total exceeding fifty thousand dollars; <b>No incidents</b>			X	
17.	480-93-200(1)(c)	The evacuation of a building, or high occupancy structures or areas; <b>No incidents</b>			X	
18.	480-93-200(1)(d)	The unintentional ignition of gas; <b>No incidents</b>			X	
19.	480-93-200(1)(e)	The unscheduled interruption of service furnished by any operator to twenty five or more distribution customers; <b>No incidents</b>			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; <b>No incidents</b>			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; <b>No incidents</b>			X	
22.	480-93-200(2)	Telephonic Reports to <b>UTC Pipeline Safety Incident Notification 1-888-321-9146</b> (Within <b>24 hours</b> ) for;				
23.	480-93-200(2)(a)	The uncontrolled release of gas for more than two hours; <b>No incidents</b>			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; <b>No incidents</b>			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 <b>No incidents</b>			X	
26.	480-93-200(2)(d)	A gas pipeline pressure exceeding the MAOP <b>No incidents</b>			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; <b>No incidents</b>			X	
29.	480-93-200(4)(b)	The extent of injuries and damage; <b>No incidents</b>			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; <b>No incidents</b>			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; <b>No incidents</b>			X	
32.	480-93-200(4)(e)	The date and time the gas pipeline company was first notified of the incident; <b>No incidents</b>			X	
33.	480-93-200(4)(f)	The date and time the ((operators')) gas pipeline company's first responders arrived on-site; <b>No incidents</b>			X	
34.	480-93-200(4)(g)	The date and time the gas ((facility)) pipeline was made safe; <b>No incidents</b>			X	
35.	480-93-200(4)(h)	The date, time, and type of any temporary or permanent repair that was made; <b>No incidents</b>			X	
36.	480-93-200(4)(i)	The cost of the incident to the ((operator)) gas pipeline company; <b>No incidents</b>			X	
37.	480-93-200(4)(j)	Line type; <b>No incidents</b>			X	
38.	480-93-200(4)(k)	City and county of incident; and <b>No incidents</b>			X	
39.	480-93-200(4)(l)	Any other information deemed necessary by the commission. <b>No incidents</b>			X	
40.	480-93-200(5)	Supplemental report if required information becomes available after 30 day report submitted <b>No incidents</b>			X	
41.	480-93-200(6)	Written report within 5 days of receiving the <b>failure analysis</b> of any incident or hazardous condition due to <b>construction defects or material failure</b> <b>No incidents</b>			X	
42.	480-93-200(7)	<b>Annual Reports</b> filed with the commission no later than <b>March 15</b> 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; 2012-16; 2; 2011-15;2110-18; 2009-17	X			
46.	480-93-200(7)(b)(ii)	Number of third-party damages incurred; and <b>No third party damage</b>			X	
47.	480-93-200(7)(b)(iii)	Cause of damage, where cause of damage is classified as <b>No third party damage</b> one of the following: (A) Inaccurate locate; (B) Failure to use reasonable care; (C) Excavated prior to a locate being conducted; or (D) Other.			X	
48.	480-93-200(7)(c)	Reports detailing all construction defects and material failures resulting in leakage. <b>No construction defects</b> 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.			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 <b>Port and County not currently provided this information of app. officials</b>		X		
50.	480-93-200(9)	Providing by email, reports of daily construction and repair activities no later than 10:00 a.m. <b>No construction</b>			X	
51.	480-93-200(10)	Submitting copy of DOT Drug and Alcohol Testing MIS Data Collection Form when required	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.

--

<b>CUSTOMER and EXCESS FLOW VALVE INSTALLATION NOTIFICATION</b>			<b>S</b>	<b>U</b>	<b>N/A</b>	<b>N/C</b>
52.	192.16	Customer notification - Customers notified, within <b>90 days</b> , of their responsibility for those service lines not maintained by the operator <b>No Customers</b>			X	
53.	192.381	Does the excess flow valve meet the performance standards prescribed under §192.381? <b>No excess flow valves</b>			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? <b>No excess flow valves</b>			X	

<b>Comments:</b>
------------------

<b>CONSTRUCTION RECORDS</b>			<b>S</b>	<b>U</b>	<b>N/A</b>	<b>N/C</b>
<b>No new construction since last inspection</b>						
55.	480-93-013	OQ records for personnel performing New Construction covered tasks			X	
56.	192.225	Test Results to Qualify Welding Procedures			X	
57.	192.227	Welder Qualification			X	
58.	480-93-080(1)(b)	Appendix C Welders re-qualified <b>2/Yr (7.5Months)</b>			X	
59.	480-93-080(2)	Plastic pipe joiners re-qualified <b>1/Yr (15 Months)</b>			X	
60.	480-93-080(2)(b)	Plastic pipe joiners re-qualified if no production joints made during any 12 month period			X	
61.	480-93-080(2)(c)	Tracking Production Joints or Re-qualify joiners <b>1/Yr (12Months)</b>			X	
62.	480-93-115(2)	Test leads on casings (without vents) installed after 9/05/1992			X	
63.	480-93-115(3)	Sealing ends of casings or conduits on transmission lines and mains			X	
64.	480-93-115(4)	Sealing ends (nearest building wall) of casings or conduits on services			X	
65.	192.241(a)	Visual Weld Inspector Training/Experience			X	
66.	192.243(b)(2)	Nondestructive Technician Qualification			X	
67.	192.243(c)	NDT procedures			X	
68.	192.243(f)	Total Number of Girth Welds			X	
69.	192.243(f)	Number of Welds Inspected by NDT			X	
70.	192.243(f)	Number of Welds Rejected			X	
71.	192.243(f)	Disposition of each Weld Rejected			X	
72.	.273/.283	Qualified Joining Procedures Including Test Results			X	
73.	192.303	Construction Specifications			X	
74.	192.325 WAC 480-93-178(4)(5)	Underground Clearances			X	
75.	192.327	Amount, location, cover of each size of pipe installed			X	
76.	480-93-160(1)	Report filed <b>45 days</b> prior to construction or replacement of transmission pipelines <b>≥ 100</b> feet in length			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.**

<b>CONSTRUCTION RECORDS</b>			S	U	N/A	N/C
<b>No new construction since last inspection</b>						
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:			X	
78.	480-93-160(2)(a)	Description and purpose of the proposed pipeline;			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.			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			X	
81.	480-93-160(2)(d)	MAOP for the gas pipeline being constructed;			X	
82.	480-93-160(2)(e)	Location and construction details of all river crossings or other unusual construction requirements encountered en route.			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;			X	
84.	480-93-160(2)(g)	Welding specifications; and			X	
85.	480-93-160(2)(h)	Bending procedures to be followed if needed.			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?			X	
87.	480-93-170(7)	Pressure tests records at a minimum include required information listed under 480-93-170(a-h)			X	
88.	480-93-170(9)	Individual pressure test records maintained for single installations where multiple pressure tests were performed?			X	
89.	480-93-170(10)	Pressure Testing Equipment checked for accuracy/intervals (Manufacturers Rec or Operators schedule)			X	
90.	480-93-175(2)	Study prepared and approved prior to moving and lowering of metallic pipelines $>$ 60 psig			X	
91.	480-93-175(4)	Leak survey within 30 days of moving or lowering pipelines $\leq$ 60 psig			X	

**Comments:**

<b>OPERATIONS and MAINTENANCE RECORDS</b>			S	U	N/A	N/C
92.	192.517(a)	Pressure Testing (operates at or above 100 psig) – <b>useful life of pipeline Tested 1/29/99</b>	X			
93.	192.517(b)	Pressure Testing (operates below 100 psig, service lines, plastic lines) – <b>5 years No plastic</b>			X	
94.	192.605(a)	Procedural Manual Review – Operations and Maintenance ( <b>1 per yr/15 months</b> ) <b>Note:</b> Including review of OQ procedures as <u>suggested</u> by PHMSA - ADB-09-03 dated 2/7/09 <u>review and updates noted in log in front of controlled manual</u>	X			
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 <b>6 months</b> of completion of construction activity? <b>No updates, no construction</b>			X	
97.	192.605(b)(8)	Periodic review of personnel work – effectiveness of normal O&M procedures		X		
98.	192.605(c)(4)	Periodic review of personnel work – effectiveness of abnormal operation procedures		X		
99.	192.609	Class Location Study ( <b>If applicable</b> ) <b>not applicable</b>			X	
100.	192.611	Confirmation or revision of MAOP <i>see 99)</i>			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	
101.		<b>Damage Prevention (Operator Internal Performance Measures)</b>					
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) <b>A-L does not have QA program</b>			X		
103.		Does operator including performance measures in facility locating services contracts with corresponding and meaningful incentives and penalties?			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? <b>A-L could not locate documents which confirm this requirement--AOC</b>		X			
105.		Does the operator periodically review the Operator Qualification plan criteria and methods used to qualify personnel to perform locates?	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.	X				
108.		<b>Are locating and excavating personnel properly qualified in accordance with the operator's Operator Qualification plan and with federal and state requirements?</b>		X			
109.		Follow-up inspection performed on the pipeline where there is reason to believe the pipeline could be damaged .614(c) (6) <b>In procedure but no 3<sup>rd</sup> party construction activity since last inspection</b> 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	<b>Has the operator subscribed to the UTC Virtual Damage Information Reporting Tool (DIRT)? Mandatory reporting required effective 1/1/2013. Operator may register at <a href="https://identity.damagereporting.org/cgareg/control/login.do">https://identity.damagereporting.org/cgareg/control/login.do</a></b>		Y/N	N	

**Comments:**

Emergency Response Plans			S	U	N/A	N/C
111.		<b>Emergency Response Plans</b>				
112.	192.603(b)	Prompt and effective response to each type of emergency .615(a)(3) <b>Note:</b> Review operator records of previous accidents and failures including third-party damage and leak response <b>no emergency response</b>			X	
113.	192.615(b)(1)	Location Specific Emergency Plan	X			
114.	192.615(b)(2)	Emergency Procedure training, verify effectiveness of training	X			
115.	192.615(b)(3)	Employee Emergency activity review, determine if procedures were followed. <b>no emergency response</b>			X	
116.	192.615(c)	Liaison Program with Public Officials <b>fire dept documented but not police or others</b>		X		
117.	192.616	<b>Public Awareness Program</b>				
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		



**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.**

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.		<b>API RP 1162 Baseline* Recommended Message Deliveries</b>																														
121.		<table border="1" style="width: 100%;"> <thead> <tr> <th style="width: 50%;">Stakeholder Audience (LDC's)</th> <th style="width: 50%;">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>Stakeholder Audience (Transmission line operators)</th> <th>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 <b>June 20, 2010</b> . .616(h)		X																												
125.	192.616(j)	Operators of a Master Meter or petroleum gas system – public awareness messages 2 times annually: <u>No master meters</u> (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 <b>Note:</b> Including excavation damage and leak response records (PHMSA area of emphasis) (NTSB B.10) <u>no accidents or failures</u>			X																											

**Comments:**

118-124) A-L has a companywide PA plan which includes Kalama facility. However, this plan is not specific for Kalama. As a result they have NOT DONE MAILINGS OR CONDUCTED EFFECTIVENESS REVIEW

**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.**

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) AOC need to have the calculation of MAOP readily available-confirmed MAOP while onsite using original pressure test for pipeline 442/1.25=354psi	X											
128.	480-93-015(1)	Odorization of Gas – Concentrations adequate Odorization of gas will make it unfit for its intended purpose—used in chemical process at Emerald Performance Materials WAC 480-93-015(6). Cannot have impure H2 as food grade and for Kosher issues.				X								
129.	480-93-015(2)	Monthly Odorant Sniff Testing Do not odorize				X								
130.	480-93-015(3)	Prompt action taken to investigate and remediate odorant concentrations not meeting the minimum requirements Do not odorize				X								
131.	480-93-015(4)	Odorant Testing Equipment Calibration/Intervals (Annually or Manufacturers Recommendation) Do not odorize				X								
132.	480-93-124(3)	Pipeline markers attached to bridges or other spans inspected? 1/yr(15 months) No bridge crossings				X								
133.	480-93-124(4)	Markers reported missing or damaged replaced within 45 days?	X											
134.	480-93-140(2)	Service regulators and associated safety devices tested during initial turn-on No regulators				X								
135.	480-93-155(1)	Up-rating of system MAOP to >60 psig? Procedures and specifications submitted 45 days prior? No uprate				X								
136.	480-93-185(1)	Reported gas leaks promptly investigated? Graded in accordance with 480-93-186? Records retained? No 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; No leaks				X								
138.	480-93-185(3)(b)	Leaks originating from a foreign source reported promptly/notification by mail. Records retained? No leaks				X								
139.	480-93-186(3)	Leak evaluations: Are follow-up inspections performed within 30 days of a leak repair? No leaks				X								
140.	480-93-186(4)	Leak evaluations: Grade 1 and 2 leaks (if any), downgraded once to a grade 3 without physical repair? No leaks				X								
141.	480-93-187	Gas leak records: at a minimum include required information listed under 480-93-187(1-13) No leaks				X								
142.	480-93-188(1)	Gas leak surveys	X											
143.	480-93-188(2)	Gas detection instruments tested for accuracy/intervals (Mfct recommended or monthly not to exceed 45 days)	X											
144.	480-93-188(3)	Leak survey frequency (Refer to Table Below) A-L leak survey 2/yr. WAC 480-93-188(3)(e) unodorized pipelines get surveyed monthly			X									
<table border="1"> <tr> <td>Business Districts (implement by 6/02/07)</td> <td>1/yr (15 months)</td> </tr> <tr> <td>High Occupancy Structures</td> <td>1/yr (15 months)</td> </tr> <tr> <td>Pipelines Operating ≥ 250 psig</td> <td>1/yr (15 months)</td> </tr> <tr> <td>Other Mains: CI, WI, copper, unprotected steel</td> <td>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)
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 No special leak surveys				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 No special leak surveys				X								
147.	480-93-188(4)(c)	Special leak surveys - Unstable soil areas where active gas lines could be affected No special leak surveys				X								
148.	480-93-188(4)(d)	Special leak surveys - areas and at times of unusual activity, such as earthquake, floods, and explosions No special leak surveys				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 No special leak surveys				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.

150.	480-93-188(5)	Gas Survey Records ( <b>Min 5 yrs</b> ) and at a minimum include required information listed under 480-93-188 (5) (a-f) <b>only have 2/per year not monthly records.</b> Issue combined with item 144.		X														
151.	480-93-188(6)	Leak program - Self Audits <b>Not required since there are no outstanding leaks</b>			X													
152.	192.709	Patrolling (Transmission Lines) ( <b>Refer to Table Below</b> ) .705	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) ( <b>Refer to Table Below</b> ) .706	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 ( <b>4 per yr/4½ months</b> ) .721(b)(1) <b>No business districts</b>			X													
155.	192.603(b)	Patrolling Outside Business District ( <b>2 per yr/7½ months</b> ) 192.721(b)(2)	X															
156.	192.603(b)	Leakage Survey - Outside Business District ( <b>5 years</b> ) 192.723(b)(1) <b>per WAC 480-93-015 need to leak survey monthly</b>			X													
157.	192.603(b)	Leakage Survey 192.723(b)(2) <b>per WAC 480-93-015 need to leak survey monthly</b> <ul style="list-style-type: none"> <li>• Outside Business District (<b>5 years</b>)</li> <li>• Cathodically unprotected distribution lines (<b>3 years</b>)</li> </ul>			X													
158.	192.603(b)	Tests for Reinstating Service Lines 192.725 <b>no reinstated lines</b>			X													
159.	192.603(b)/.727(g)	Abandoned Pipelines; Underwater Facility Reports 192.727 <b>no abandoned lines</b>			X													
160.	192.709	Pressure Limiting and Regulating Stations ( <b>1 per yr/15 months</b> ) .739 <b>no pressure stations</b>			X													
161.	192.709	Pressure Limiting and Regulator Stations – Capacity ( <b>1 per yr/15 months</b> ) .743 739 <b>no pressure stations</b>			X													
162.	192.709	Valve Maintenance – Transmission ( <b>1 per yr/15 months</b> ) .745	X															
163.	192.709	Valve Maintenance – Distribution ( <b>1 per yr/15 months</b> ) .747	X															
164.	480-93-100(3)	Service valve maintenance ( <b>1 per yr/15 months</b> ) <b>no service valves</b>			X													
165.	192.709	Vault maintenance ( <b>≥200 cubic feet</b> )( <b>1 per yr/15 months</b> ) .749 <b>no vaults</b>			X													
166.	192.603(b)	Prevention of Accidental Ignition (hot work permits) .751 <b>no hot work permits</b>			X													
167.	192.603(b)	Welding – Procedure 192.225(b) <b>no welding</b>			X													
168.	192.603(b)	Welding – Welder Qualification 192.227/.229 <b>no welding</b>			X													
169.	192.603(b)	NDT – NDT Personnel Qualification .243(b)(2) <b>no welding</b>			X													
170.	192.709	NDT Records ( <b>pipeline life</b> ) .243(f) <b>no NDT (2”, SMYS&lt; 20%)</b>			X													
171.	192.709	Repair: pipe ( <b>pipeline life</b> ); Other than pipe ( <b>5 years</b> ) <b>no repair</b>			X													
172.	192.905(c)	Periodically examining their transmission line routes for the appearance of newly identified area’s (HCA’s)	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.**

Note: Wendel & Assoc Corrosion report references Texas Railroad Commission and should reference WAC 480-93-110 Corrosion Control.

<b>CORROSION CONTROL RECORDS</b>			<b>S</b>	<b>U</b>	<b>N/A</b>	<b>N/C</b>
173.	192.455(a)(1)	Pipeline coatings meet requirements of 192.461 <i>(for buried pipelines installed after 7/31/71)</i> <b>No new pipelines</b>			X	
174.	192.455(a)(2)	CP system installed on and operating within 1 yr of completion of pipeline construction <i>(after 7/31/71)</i> <b>No new pipelines</b>			X	
175.	192.465(a)	Annual Pipe-to-soil Monitoring ( <b>1 per yr/15 months</b> ) for short sections ( <b>10% per year; all in 10 years</b> )	X			
176.	192.491	Test Lead Maintenance .471	X			
177.	192.491	Maps or Records .491(a)	X			
178.	192.491	Examination of Buried Pipe when exposed .459 <b>No exposed pipelines</b>			X	
179.	480-93-110(8)	CP test reading on all exposed facilities where coating has been removed <b>No exposed pipelines</b>			X	
180.	192.491	Annual Pipe-to-soil monitoring ( <b>1 per yr/15 months</b> ) .465(a)	X			
181.	192.491	Rectifier Monitoring ( <b>6 per yr/2½ months</b> ) .465(b)	X			
182.	192.491	Interference Bond Monitoring – Critical ( <b>6 per yr/2½ months</b> ) .465(c) <b>No bonds</b>			X	
183.	192.491	Interference Bond Monitoring – Non-critical ( <b>1 per yr/15 months</b> ) .465(c) <b>No bonds</b>			X	
184.	480-93-110(2)	Remedial action taken within 90 days (Up to 30 additional days if other circumstances. Must document) .465(d) <b>No CP requiring remedial action</b>			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. <b>Missing multimeter calibration for 2009 and all ½ cell calibration data</b>		X		
186.	192.491	Unprotected Pipeline Surveys, CP active corrosion areas ( <b>1 per 3 cal yr/39 months</b> ) .465(e) <b>No unprotected pipe</b>			X	
187.	192.491	Electrical Isolation ( <b>Including Casings</b> ) .467	X			
188.	480-93-110(5)	Casings inspected/tested annually not to exceed <b>fifteen months</b>	X			
189.	480-93-110(5)(a)	Casings w/no test leads installed prior to 9/05/1992. Demonstrate other acceptable test methods <b>All casings have test leads</b>			X	
190.	480-93-110(5)(b)	Possible shorted conditions – Perform confirmatory follow-up inspection within <b>90 days</b> <b>No shorts</b>			X	
191.	480-93-110(5)(c)	Casing shorts cleared when practical <b>No shorts</b>			X	
192.	480-93-110(5)(d)	Shorted conditions leak surveyed within 90 days of discovery. <b>Twice annually/7.5 months</b> <b>No shorts</b>			X	
193.	192.491	Interference Currents .473 <b>No interference currents</b>			X	
194.	192.491	Internal Corrosion; Corrosive Gas Investigation .475(a) <b>No internal corrosion</b>			X	
195.	192.491	Internal Corrosion; Internal Surface Inspection; Pipe Replacement .475(b) <b>No internal corrosion</b>			X	
196.	192.491	Internal Corrosion Control Coupon Monitoring ( <b>2 per yr/7½ months</b> ) .477 <b>No internal corrosion</b>			X	
197.	192.491	Atmospheric Corrosion Control Monitoring ( <b>1 per 3 cal yr/39 months onshore; 1 per yr/15 months offshore</b> ) .481	X			
198.	192.491	Remedial: Replaced or Repaired Pipe; coated and protected; corrosion evaluation and actions .483/.485 <b>No replaced or repaired pipe</b>			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.**

**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? <i>No welding</i>			X	
201.	480-93-080(1)(b)	Use of testing equipment to record and document essential variables <i>No welding</i>			X	
202.	480-93-080(2)(a)	Plastic procedures located on site where welding is performed? <i>No plastic pipe</i>			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. <i>No construction</i>			X	
204.	480-93-013	Personnel performing “New Construction” covered tasks OQ qualified? <i>No construction</i>			X	
205.	480-93-015(1)	Odorization <i>No odorization</i>				
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> ) <i>No construction</i>			X	
209.	192.463	Levels of cathodic protection	X			
210.	192.465	Rectifiers	X			
211.	192.467	CP - Electrical Isolation <i>no CP isolation observed</i>			X	
212.	192.476	Systems designed to reduce internal corrosion <i>no internal corrosion</i>			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			
218.	480-93-115(4)	Service lines installed in casings/conduit. Are casing ends nearest to building walls sealed? <i>No service lines</i>			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 <b>45 days?</b> <i>none</i>			X	
223.	192.719	Pre-pressure Tested Pipe ( <b>Markings and Inventory</b> ) <i>none</i>			X	
224.	192.195	Overpressure protection designed and installed where required? <i>Compressor limit is 280 psi</i>	X			
225.	192.739/743	Pressure Limiting and Regulating Devices ( <b>Mechanical/Capacities</b> ) <i>No pressure limiting/regulators</i>			X	
226.	192.741	Telemetry, Recording Gauges	X			
227.	192.751	Warning Signs	X			
228.	192.355	Customer meters and regulators. Protection from damage <i>No meters or regulators</i>			X	
229.	192.355(c)	Pits and vaults: Able to support vehicular traffic where anticipated. <i>No vaults</i>			X	
230.	480-93-140	Service regulators installed, operated and maintained per state/fed regs and manufacturers recommended practices? <i>No regulators</i>			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
231.	480-93-178(2)	Plastic Pipe Storage facilities – Maximum Exposure to Ultraviolet Light (2yrs) <b>No plastic</b>			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. <b>No construction</b>			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 <b>No construction</b>			X	
234.	480-93-178(6)	Are there Temporary above ground PE pipe installations currently? <b>Yes    No X</b>				
235.	480-93-178(6)(a)	If yes, is facility monitored and protected from potential damage? <b>No plastic pipe</b>			X	
236.	480-93-178(6)(b)	If installation exceeded 30 days, was commission staff notified prior to exceeding the deadline? <b>No plastic pipe</b>			X	
237.	192.745	Valve Maintenance (Transmission)	X			
238.	192.747	Valve Maintenance (Distribution)	X			

**Facility Sites Visited:**

Facility Type	Facility ID Number	Location
Production Facility/Op center	61673	Kalama Air Liquide Facility
CP test site—casing under RR		N. Hendrickson St. at Port RR tracks (6)
Pipeline R/W		Emerald Performance Material to Air Liquide Production Facility

**Comments:**

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

<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.

239. .605(b)		<b>COMPRESSOR STATION PROCEDURES</b>	S	U	N/A	N/C
		<b>No compressor station</b>				
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 ( <b>1 per yr/15 months</b> ), 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 <b>NFPA #30</b>			X	
245.		.736 Compressor buildings in a compressor station must have fixed gas detection and alarm systems ( <b>must be performance tested</b> ), unless:			X	
246.		• <b>50% of the upright side areas</b> are permanently open, or			X	
247.		• It is an unattended field compressor station of <b>1000 hp or less</b>			X	

**Comments:**

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

**Comments:**

COMPRESSOR STATIONS INSPECTION (Field)			S	U	N/A	N/C
			<b>No compressor station</b>			
			(Note: Facilities may be “Grandfathered”)			
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
No compressor station (Note: Facilities may be “Grandfathered”)						
257.	(e)	Does the equipment and wiring within compressor stations conform to the <b>National Electric Code, ANSI/NFPA 70?</b>			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 <b>NEC Class 1, Group D</b> 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
<b>No compressor station</b> (Note: Facilities may be “Grandfathered”)						
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 <b>NFPA standard No. 30?</b>			X	
294.	.736	Gas detection – location			X	

**Comments:**