

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

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

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

Inspection Report			
Inspection ID/Docket Number	5855		
Inspector Name & Submit Date	Ronda Shupert/10/6/2014		
Chief Eng Name & Review/Date	Joe Subsits 10/22/2014		
Operator Information			
Name of Operator:	Solvay Chemicals, Inc.	OP ID #:	32399
Name of Unit(s):	Solvay Chemicals Hydrogen Pipeline		
Records Location:	3500 Industrial Way, Longview, WA 98632-9482		
Date(s) of Last (unit) Inspection:	2/10/11	Inspection Date(s):	8/19/14

**Inspection Summary:**  
This operator operates a 6” hydrogen pipeline for approximately 500 feet long. The pipeline was hydrostatically tested to 225 psig in 2007.  
Missing from the operator’s manual are the following WAC requirements. Missing procedures were requirements resulting from the new damage prevention law. The following probable violation(s) of WAC 480-93 were noted as a result of the 2014 inspection of the **Solvay Chemical, Inc.** The inspection included a random selection of records, operation and maintenance (O&M), emergency response, inventory, and field inspection of the pipeline facilities.

480-93-200(7)(b)  
480-93-200(7)(c)  
480-93-200(8)(a)  
480-93-200(8)(b)  
480-93-200(8)(c)  
480-93-200(9)  
480-93-200(11)

<b>HQ Address:</b> 3333 Richmond Ave Houston, TX 77098		<b>System/Unit Name &amp; Address:</b> Solvay Chemicals 3500 Industrial Way Longview, WA 98632	
<b>Co. Official:</b>	Pascal Mansy	<b>Phone No.:</b>	(360)-577-7800
<b>Phone No.:</b>	(360)- 577-7800	<b>Fax No.:</b>	(360)-425-1163
<b>Fax No.:</b>	(360)-425-1163	<b>Emergency Phone No.:</b>	(360)-636-7796
<b>Emergency Phone No.:</b>	(360)-636-7796		
<b>Persons Interviewed</b>	<b>Title</b>	<b>Phone No.</b>	
Pascal Mansy	Engineering/Maintenance Manager	(360)-577-7800	
Kevin O’Hogan	Gas Systems Supervisor	(503) 692-0995	

**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.**

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(check one below and enter appropriate date)			
X	Team inspection was performed (Within the past five years.) or,	<b>Date:</b>	2/10/2011
<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>	11/7/2013
<input type="checkbox"/>	OQ Program Review (PHMSA Form 14)	<b>Date:</b>	

GAS SYSTEM OPERATIONS			
<b>Gas Supplier</b>			
<b>Services:</b> <i>Residential                  Commercial                  Industrial X                  Other</i>			
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)	
<b>Operating Pressure(s):</b>		<b>MAOP (Within last year)</b>	<b>Actual Operating Pressure (At time of Inspection)</b>
Feeder:	60	150psig	58.5
Town:	Longview		
Other:			
Does the operator have any transmission pipelines?	No		
Compressor stations? Use Attachment 1.	No		

Pipe Specifications:			
Year Installed (Range)	1988 (entire line replaced 2006)	Pipe Diameters (Range)	6"
Material Type	Carbon Steel	Line Pipe Specification Used	ASTM A-53 Grade B
Mileage	500'	SMYS %	5%

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>

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					
<b>Subparts A - C</b>	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. <b>See O&amp;M attachment J.</b>	<b>S</b>	<b>U</b>	<b>NA</b>	<b>NC</b>
		X			

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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 <a href="mailto:opsgis@rspa.dot.gov">opsgis@rspa.dot.gov</a> stating that fact.</u> Include operator contact information with all updates. <b>N/A (gas distribution, not gas transmission)</b>			X	
2.	RCW 81.88.080	Pipeline Mapping System: Has the operator provided accurate maps (or updates) of pipelines, operating over two hundred fifty pounds per square inch gauge, to specifications developed by the commission sufficient to meet the needs of first responders? <b>Max Allowed Operating Pressure: 150PSIG (See EM-3302-P Section 6.0).</b>			X	
3.	191.5	Immediate Notice of certain incidents to NRC (800) 424-8802, 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. Operator must have a written procedure for calculating an initial estimate of the amount of product released in an accident. – No occurrences			X	
4.	191.7	Reports (except SRCR and offshore pipeline condition reports) must be submitted electronically to PHMSA at <a href="http://portal.phmsa.dot.gov/pipeline">http://portal.phmsa.dot.gov/pipeline</a> at unless an alternative reporting method is authorized IAW with paragraph (d) of this section. <b>See EM-3302-P Section 7.1</b>	X			
5.	191.15(a)	30-day follow-up written reports to PHMSA (Form F7100.2) Submittal must be electronically to <a href="http://pipelineonlinereporting.phmsa.dot.gov">http://pipelineonlinereporting.phmsa.dot.gov</a> <b>N/A (gas distribution, not gas transmission)</b>			X	
6.	191.15(c)	Supplemental report (to 30-day follow-up) No occurrences			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). <b>N/A (gas distribution, not gas transmission)</b>			X	
8.	191.22	Each operator must obtain an OPID, validate its OPIDs, and notify PHMSA of certain events at <a href="http://portal.phmsa.dot.gov/pipeline">http://portal.phmsa.dot.gov/pipeline</a> . <b>OPID listed in O&amp;M Manual</b>	X			
9.	191.23	Filing the <b>Safety Related Condition Report (SRCR)</b> No occurrences			X	
10.	191.25  49 U.S.C. 60139, Subsection (b)(2)	Filing the SRCR within 5 days of determination, but not later than 10 days after discovery.  <b>Note:</b> Operators of gas transmission pipelines that if the pipeline pressure exceeds maximum allowable operating pressure (MAOP) plus the build-up, owner/operator must report the exceedance to PHMSA <b>on or before the fifth day</b> following the date on which the exceedance occurs.  The report should be titled “Gas Transmission MAOP Exceedance” and provide the following information: <ul style="list-style-type: none"> <li>• The name and principal address of the operator date of the report, name, job title, and business telephone number of the person submitting the report.</li> <li>• The name, job title, and business telephone number of the person who determined the condition exists.</li> <li>• The date the condition was discovered and the date the condition was first determined to exist.</li> <li>• The location of the condition, with reference to the town/city/county and state or offshore site, and as appropriate, nearest street address, offshore platform, survey station number, milepost, landmark, and the name of the commodity transported or stored.</li> <li>• The corrective action taken before the report was submitted and the planned follow-up or future corrective action, including the anticipated schedule for starting and concluding such action. <b>See EM-3302-P Section 7.1. Note: gas distribution, not gas transmission</b></li> </ul>	X			
11.	.605(d)	Instructions to enable operation and maintenance personnel to recognize potential <b>Safety Related Conditions.</b> O&M Section 7.7	X			
12.	191.27	Offshore pipeline condition reports – filed within 60 days after the inspections <b>No offshore pipe</b>			X	

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<b>REPORTING RECORDS</b>			<b>S</b>	<b>U</b>	<b>N/A</b>	<b>N/C</b>
13.	192.727(g)	Abandoned facilities offshore, onshore crossing commercially navigable waterways reports <b>No offshore pipe</b>			X	
14.	480-93-200(1)	Telephonic Reports to <b>UTC Pipeline Safety Incident Notification 1-888-321-9144</b> (Within <b>2 hours</b> ) for events which results in; <b>See EM-3302-P Section 7.1</b>				
15.	480-93-200(1)(a)	A fatality or personal injury requiring hospitalization;	X			
16.	480-93-200(1)(b)	Damage to property of the operator and others of a combined total exceeding fifty thousand dollars;	X			
17.	480-93-200(1)(c)	The evacuation of a building, or high occupancy structures or areas;	X			
18.	480-93-200(1)(d)	The unintentional ignition of gas;	X			
19.	480-93-200(1)(e)	The unscheduled interruption of service furnished by any operator to twenty five or more distribution customers;	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;	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;	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;	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;	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	X			
26.	480-93-200(2)(d)	A gas pipeline pressure exceeding the MAOP	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 occurrence since last audit</b>			X	
29.	480-93-200(4)(b)	The extent of injuries and damage; <b>No occurrence since last audit</b>			X	
30.	480-93-200(4)(c)	A description of the incident or hazardous condition including the date, time, and place, and reason why the incident occurred. If more than one reportable condition arises from a single incident, each must be included in the report; <b>No occurrence since last audit</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 occurrence since last audit</b>			X	
32.	480-93-200(4)(e)	The date and time the gas pipeline company was first notified of the incident; <b>No occurrence since last audit</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 occurrence since last audit</b>			X	
34.	480-93-200(4)(g)	The date and time the gas ((facility)) pipeline was made safe;	X			
35.	480-93-200(4)(h)	The date, time, and type of any temporary or permanent repair that was made;	X			
36.	480-93-200(4)(i)	The cost of the incident to the ((operator)) gas pipeline company;	X			
37.	480-93-200(4)(j)	Line type;	X			
38.	480-93-200(4)(k)	City and county of incident; and	X			
39.	480-93-200(4)(l)	Any other information deemed necessary by the commission.	X			
40.	480-93-200(5)	Supplemental report if required information becomes available after 30 day report submitted	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>	X			
42.	480-93-200(7)	<b>Filing Reports of Damage to Gas Pipeline Facilities to the commission. (eff 4/1/2013)</b> (Via the commission's Virtual DIRT system or on-line damage reporting form)				
43.	480-93-200(7)(a)	Does the operator report to the commission the requirements set forth in RCW 19.122.053(3) (a) through (n)	X			

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44.	480-93-200(7)(b)	Does the operator report the name, address, and phone number of the person or entity that the company has reason to believe may have caused damage due to excavations conducted without facilities locates first being completed?	X			
45.	480-93-200(7)(c)	Does the operator retain all damage and damage claim records it creates related to damage events reported under 93-200(7)(b), including photographs and documentation supporting the conclusion that a facilities locate was not completed? <b>Note:</b> Records maintained for two years and made available to the commission upon request. – <b>The manual does not include retention timeframes</b>		X		
46.	480-93-200(8)	Does the operator provide the following information to excavators who damage gas pipeline facilities?				
47.	480-93-200(8)(a)	<ul style="list-style-type: none"> <li>Notification requirements for excavators under RCW 19.122.050(1) <b>Not in manual</b></li> </ul>		X		
48.	480-93-200(8)(b)	<ul style="list-style-type: none"> <li>A description of the excavator's responsibilities for reporting damages under RCW 19.122.053; and <b>Not in manual</b></li> </ul>		X		
49.	480-93-200(8)(c)	<ul style="list-style-type: none"> <li>Information concerning the safety committee referenced under RCW 19.122.130, including committee contact information, and the process for filing a complaint with the safety committee. <b>Not in manual</b></li> </ul>		X		
50.	480-93-200(9)	<b>Reports to the commission only when the operator or its contractor observes or becomes aware of the following activities...</b> <ul style="list-style-type: none"> <li>An excavator digs within thirty-five feet of a transmission pipeline, as defined by RCW 19.122.020(26) without first obtaining a facilities locate; (200(9)(a)</li> <li>A person intentionally damages or removes marks indicating the location or presence of gas pipeline facilities. 200(9)(b). <b>Not in manual</b></li> </ul>		X		
51.	480-93-200(10)	<b>Annual Reports</b> filed with the commission no later than <b>March 15</b> for the proceeding calendar year				
52.	480-93-200(10)(a)	A copy of PHMSA F-7100.1-1 and F-7100.2-1 annual report required by U.S. Department of Transportation, PHMSA/Office of Pipeline Safety	X			
53.	480-93-200(10)(b)	Reports detailing all construction defects and material failures resulting in leakage. Categorizing the different types of construction defects and material failures. The report must include the following: (i) Types and numbers of construction defects; and (ii) Types and numbers of material failures.	X			
54.	480-93-200(11)	Providing updated emergency contact information to the commission and appropriate officials of all municipalities where gas pipeline companies have facilities. <b>Not in manual</b>		X		
55.	480-93-200(12)	Providing by email, reports of daily construction and repair activities no later than 10:00 a.m. <b>No occurrence since last audit</b>			X	
56.	480-93-200(13)	Submitting copy of DOT Drug and Alcohol Testing MIS Data Collection Form when required. NW Metal Fab is responsible for D & A program.	X			

**Comments:**

CUSTOMER and EXCESS FLOW VALVE INSTALLATION NOTIFICATION. <b>Only one Gas user: Solvay.</b>			S	U	N/A	N/C
57.	192.16	<b>Customer notification</b> - Customers notified, within <b>90 days</b> , of their responsibility for those service lines not maintained by the operator <b>Only one Gas user: Solvay.</b>			X	
58.	192.381	Does the excess flow valve meet the performance standards prescribed under §192.381? <b>Only one Gas user: Solvay.</b>			X	

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<b>CUSTOMER and EXCESS FLOW VALVE INSTALLATION NOTIFICATION. Only one Gas user: Solvay.</b>			S	U	N/A	N/C
59.	192.383	Does the operator have an installation and reporting program for excess flow valves and does the program meet the requirements outlined in §192.383? Are records adequate? <b>Only one Gas user: Solvay.</b>			X	

**Comments:**

<b>CONSTRUCTION RECORDS. No construction since pipeline in service. Question's 60 thru 96</b>			S	U	N/A	N/C
60.	480-93-013	OQ records for personnel performing New Construction covered tasks			X	
61.	192.225	Test Results to Qualify Welding Procedures			x	
62.	192.227	Welder Qualification			x	
63.	480-93-080(1)(b)	Appendix C Welders re-qualified <b>2/Yr (7.5Months)</b>			x	
64.	480-93-080(2)	Plastic pipe joiners re-qualified <b>1/Yr (15 Months)</b>			x	
65.	480-93-080(2)(b)	Plastic pipe joiners re-qualified if no production joints made during any 12 month period			x	
66.	480-93-080(2)(c)	Tracking Production Joints or Re-qualify joiners <b>1/Yr (12Months)</b>			x	
67.	480-93-115(2)	Test leads on casings (without vents) installed after 9/05/1992			x	
68.	480-93-115(3)	Sealing ends of casings or conduits on transmission lines and mains			x	
69.	480-93-115(4)	Sealing ends (nearest building wall) of casings or conduits on services			x	
70.	192.241(a)	Visual Weld Inspector Training/Experience			x	
71.	192.243(b)(2)	Nondestructive Technician Qualification			x	
72.	192.243(c)	NDT procedures			x	
73.	192.243(f)	Total Number of Girth Welds			x	
74.	192.243(f)	Number of Welds Inspected by NDT			x	
75.	192.243(f)	Number of Welds Rejected			x	
76.	192.243(f)	Disposition of each Weld Rejected			x	
77.	.273/.283	Qualified Joining Procedures Including Test Results			x	
78.	192.303	Construction Specifications			x	
79.	192.325 WAC 480-93-178(4)(5)	Underground Clearances			x	
80.	192.327	Amount, location, cover of each size of pipe installed			x	
81.	480-93-160(1)	Report filed <b>45 days</b> prior to construction or replacement of transmission pipelines <b>≥ 100</b> feet in length			x	
82.	480-93-160(2)	Did report describe the proposed route and the specifications for the pipeline and must include, but is not limited to the following items:			x	
83.	480-93-160(2)(a)	Description and purpose of the proposed pipeline;			x	
84.	480-93-160(2)(b)	Route map showing the type of construction to be used throughout the length of the line, and delineation of class location as defined in 49 CFR Part 192.5, and incorporated boundaries along the route.			x	
85.	480-93-160(2)(c)	Location and specification of principal valves, regulators, and other auxiliary equipment to be installed as a part of the pipeline system to be constructed			x	

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<b>CONSTRUCTION RECORDS. No construction since pipeline in service. Question's 60 thru 96</b>			<b>S</b>	<b>U</b>	<b>N/A</b>	<b>N/C</b>
86.	480-93-160(2)(d)	MAOP for the gas pipeline being constructed;			x	
87.	480-93-160(2)(e)	Location and construction details of all river crossings or other unusual construction requirements encountered en route.			x	
88.	480-93-160(2)(f)	Proposed corrosion control program to be followed inc specs for coating and wrapping, and method to ensure the integrity of the coating using holiday detection equipment;			x	
89.	480-93-160(2)(g)	Welding specifications; and			x	
90.	480-93-160(2)(h)	Bending procedures to be followed if needed.			x	
91.	480-93-170(1)	Commission notified 2 days prior to pressure testing pipelines with an MAOP producing a hoop stress $\geq$ 20% SMYS?			X	
92.	480-93-170(7)	Pressure tests records at a minimum include required information listed under 480-93-170(a-h)			X	
93.	480-93-170(9)	Individual pressure test records maintained for single installations where multiple pressure tests were performed?			X	
94.	480-93-170(10)	Pressure Testing Equipment checked for accuracy/intervals (Manufacturers Rec or Operators schedule)			X	
95.	480-93-175(2)	Study prepared and approved prior to moving and lowering of metallic pipelines > 60 psig			X	
96.	480-93-175(4)	Leak survey within 30 days of moving or lowering pipelines $\leq$ 60 psig			X	

**Comments:**

<b>OPERATIONS and MAINTENANCE RECORDS. See EM-3302-P Section 7.7 &amp; 7.8</b>			<b>S</b>	<b>U</b>	<b>N/A</b>	<b>N/C</b>
97.	192.517(a)	Pressure Testing (operates at or above 100 psig) – <b>useful life of pipeline. Nothing new since 2007</b>			X	
98.	192.517(b)	Pressure Testing (operates below 100 psig, service lines, plastic lines) – <b>5 years. . Nothing new since 2007</b>			X	
99.	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	X			
100.	192.605(b)(3)	Availability of construction records, maps, operating history to operating personnel	X			
101.	480-93-018(3)	Records, including maps and drawings updated within <b>6 months</b> of completion of construction activity? <b>No occurrence since last audit</b>			X	
102.	192.605(b)(8)	Periodic review of personnel work – effectiveness of normal O&M procedures	X			
103.	192.605(c)(4)	Periodic review of personnel work – effectiveness of abnormal operation procedures	X			
104.	192.609	Class Location Study ( <b>If applicable</b> ) <b>Not applicable</b>			X	
105.	192.611	Confirmation or revision of MAOP <b>checked last inspection</b>			X	
106.		<b>Damage Prevention (Operator Internal Performance Measures)</b>				
107.	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>Doesn't use locate contractors.</b>			X	
108.		Does operator including performance measures in facility locating services contracts with corresponding and meaningful incentives and penalties? <b>Doesn't use locate contractors</b>			X	



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<b>OPERATIONS and MAINTENANCE RECORDS. See EM-3302-P Section 7.7 &amp; 7.8</b>			<b>S</b>	<b>U</b>	<b>N/A</b>	<b>N/C</b>
<b>109.</b>		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>Doesn't use locate contractors</b>			X	
<b>110.</b>		Does the operator periodically review the Operator Qualification plan criteria and methods used to qualify personnel to perform locates? <b>Doesn't use locate contractors</b>			X	
<b>111.</b>		Review operator locating and excavation <u>procedures</u> for compliance with state law and regulations.	X			
<b>112.</b>		Are locates are being made within the timeframes required by state law and regulations? Examine record sample.	X			
<b>113.</b>		Are locating and excavating personnel properly <u>qualified</u> in accordance with the operator's Operator Qualification plan and with federal and state requirements?	X			
<b>114.</b>		Follow-up inspection performed on the pipeline where there is reason to believe the pipeline could be damaged .614(c) (6) 1. Is the inspection the done as frequently as necessary during and after the activities to verify the integrity of the pipeline? 2. In the case of blasting, does the inspection include leakage surveys?	X			

**Comments:**

<b>115.</b>		<b>Emergency Response Plans See EM-3302-P Section 7.7</b>	<b>S</b>	<b>U</b>	<b>N/A</b>	<b>N/C</b>
<b>116.</b>	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	X			
<b>117.</b>	192.615(b)(1)	Location Specific Emergency Plan	X			
<b>118.</b>	192.615(b)(2)	Emergency Procedure training, verify effectiveness of training	X			
<b>119.</b>	192.615(b)(3)	Employee Emergency activity review, determine if procedures were followed. <b>No occurrence since last audit</b>			X	
<b>120.</b>	192.615(c)	Liaison Program with Public Officials	X			
<b>121.</b>	192.616	<b>Public Awareness Program See EM-3302-P Attachment K.</b>				
<b>122.</b>	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			
<b>123.</b>		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.				
<b>124.</b>		<b>API RP 1162 Baseline* Recommended Message Deliveries</b>				



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125.		<b>Stakeholder Audience (LDC's)</b>	<b>Baseline Message Frequency (starting from effective date of Plan)</b>				
		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				
		<b>Stakeholder Audience (Transmission line operators)</b>	<b>Baseline Message Frequency (starting from effective date of Plan)</b>				
		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				
		126.					
127.	192.616(g)	The program conducted in English and any other languages commonly understood by a significant number of the population in the operator's area.		X			
128.	.616(h)	IAW API RP 1162, the operator's program should be reviewed for effectiveness within four years of the date the operator's program was first completed. <u>For operators in existence on June 20, 2005</u> , who must have completed their written programs no later than June 20, 2006, the first evaluation is due no later than <b>June 20, 2010</b> . .616(h)		X			
129.	192.616(j)	Operators of a Master Meter or petroleum gas system – public awareness messages 2 times annually: (1) A description of the purpose and reliability of the pipeline; (2) An overview of the hazards of the pipeline and prevention measures used; (3) Information about damage prevention; (4) How to recognize and respond to a leak; and (5) How to get additional information. <b>No master meters</b>				X	
130.	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) <b>No occurrence since last audit</b>				X	

**Comments:**

131.	192.619/621/623	Maximum Allowable Operating Pressure (MAOP) Note: New PA-11 design criteria is incorporated into 192.121 & .123 (Final Rule Pub. 12/24/08)	x				
132.	480-93-015(1)	Odorization of Gas – Concentrations adequate <b>Gas is not odorized</b>				X	
133.	480-93-015(2)	Monthly Odorant Sniff Testing <b>Gas is not odorized</b>				X	
134.	480-93-015(3)	Prompt action taken to investigate and remediate odorant concentrations not meeting the minimum requirements <b>Gas is not odorized</b>				X	

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135.	480-93-015(4)	Odorant Testing Equipment Calibration/Intervals (Annually or Manufacturers Recommendation) <b>Gas is not odorized</b>			X	
136.	480-93-124(3)	Pipeline markers attached to bridges or other spans inspected? <b>1/yr(15 months)</b>	X			
137.	480-93-124(4)	Markers reported missing or damaged replaced within <b>45 days? No occurrences since last inspection</b>			X	
138.	480-93-140(2)	Service regulators and associated safety devices tested during initial turn-on <b>No service regulators</b>			X	
139.	480-93-155(1)	Up-rating of system MAOP to <b>&gt;60 psig</b> ? Procedures and specifications submitted <b>45 days</b> prior? <b>System MAOP already at 150psig</b>			X	
140.	480-93-185(1)	Reported gas leaks promptly investigated? Graded in accordance with 480-93-186? Records retained? <b>No leaks have occurred in this inspection time period</b>			X	
141.	480-93-185(3)(a)	Leaks originating from a foreign source. Take appropriate action to protect life and property regarding the pipeline company's own facilities, and;			X	
142.	480-93-185(3)(b)	Leaks originating from a foreign source reported promptly/notification by mail. Records retained? <b>No leaks have occurred in this inspection time period</b>			X	
143.	480-93-186(3)	Leak evaluations: Are follow-up inspections performed within <b>30 days</b> of a leak repair? <b>No leaks have occurred in this inspection time period</b>			X	
144.	480-93-186(4)	Leak evaluations: Grade 1 and 2 leaks (if any), downgraded once to a grade 3 without physical repair? <b>No leaks have occurred in this inspection time period</b>			X	
145.	480-93-187	Gas leak records: at a minimum include required information listed under 480-93-187(1-13) <b>No leaks have occurred in this inspection time period</b>			X	
146.	480-93-188(1)	Gas leak surveys	X			
147.	480-93-188(2)	Gas detection instruments tested for accuracy/intervals (Mfct recommended or monthly not to exceed 45 days) serial #8255	X			
148.	480-93-188(3)	Leak survey frequency ( <b>Refer to Table Below</b> ) <b>monthly</b>	X			

Business Districts ( <b>implement by 6/02/07</b> )	<b>1/yr (15 months)</b>
High Occupancy Structures	<b>1/yr (15 months)</b>
Pipelines Operating $\geq$ 250 psig	<b>1/yr (15 months)</b>
Other Mains: CI, WI, copper, unprotected steel	<b>2/yr (7.5 months)</b>

149.	480-93-188(4)(a)	Special leak surveys - Prior to paving or resurfacing, following street alterations or repairs. <b>No street alterations or repairs have occurred in this inspection time period</b>			X	
150.	480-93-188(4)(b)	Special leak surveys - areas where substructure construction occurs adjacent to underground gas facilities, and damage could have occurred <b>No street alterations or repairs have occurred in this inspection time period</b>			X	
151.	480-93-188(4)(c)	Special leak surveys - Unstable soil areas where active gas lines could be affected <b>No erosion, slides, or soil subsidence</b>			X	
152.	480-93-188(4)(d)	Special leak surveys - areas and at times of unusual activity, such as earthquake, floods, and explosions <b>No unusual activity have occurred in this inspection time period</b>			X	
153.	480-93-188(4)(e)	Special leak surveys - After third-party excavation damage to services, operators must perform a gas leak survey to eliminate the possibility of multiple leaks and underground migration into nearby buildings. <b>No third party excavation has occurred since last inspection</b>			X	
154.	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)	X			
155.	480-93-188(6)	Leak program - Self Audits. <b>No leaks have occurred in the timeframe of inspection</b>			X	
156.	192.709	Patrolling (Transmission Lines) ( <b>Refer to Table Below</b> ) .705 <b>No transmission</b>			X	

Class Location	At Highway and Railroad Crossings	At All Other Places
<b>1 and 2</b>	<b>2/yr (7½ months)</b>	<b>1/yr (15 months)</b>
<b>3</b>	<b>4/yr (4½ months)</b>	<b>2/yr (7½ months)</b>
<b>4</b>	<b>4/yr (4½ months)</b>	<b>4/yr (4½ months)</b>

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157.	192.709	Leak Surveys (Transmission Lines) (Refer to Table Below) .706 <b>Not a transmission line</b>			X																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;"></th> <th style="width: 25%;">Class Location</th> <th style="width: 25%;">Required</th> <th style="width: 35%;">Not Exceed</th> </tr> </thead> <tbody> <tr> <td></td> <td style="text-align: center;">1 and 2</td> <td style="text-align: center;">1/yr</td> <td style="text-align: center;">15 months</td> </tr> <tr> <td></td> <td style="text-align: center;">3</td> <td style="text-align: center;">2/yr</td> <td style="text-align: center;">7½ months</td> </tr> <tr> <td></td> <td style="text-align: center;">4</td> <td style="text-align: center;">4/yr</td> <td style="text-align: center;">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																			
158.	192.603(b)	Patrolling Business District (4 per yr/4½ months) .721(b)(1) <b>The operator is not a LDC</b>			X																	
159.	192.603(b)	Patrolling Outside Business District (2 per yr/7½ months) 192.721(b)(2) <b>The operator is not a LDC</b>			X																	
160.	192.603(b)	Leakage Survey - Outside Business District (5 years) 192.723(b)(1) <b>The operator is not a LDC</b>			X																	
161.	192.603(b)	Leakage Survey 192.723(b)(2) <ul style="list-style-type: none"> <li>• Outside Business District (5 years)</li> <li>• Cathodically unprotected distribution lines (3 years) <b>The operator is not a LDC</b></li> </ul>			X																	
162.	192.603(b)	Tests for Reinstating Service Lines 192.725 <b>The operator is not a LDC</b>			X																	
163.	192.603(b)/.727(g)	Abandoned Pipelines; Underwater Facility Reports 192.727 <b>No underwater facilities</b>			X																	
164.	192.709	Pressure Limiting and Regulating Stations (1 per yr/15 months) .739 <b>There are no pressure relieving and limiting stations</b>			X																	
165.	192.709	Pressure Limiting and Regulator Stations – Capacity (1 per yr/15 months) .743 <b>Not a transmission line</b>			X																	
166.	192.709	Valve Maintenance – Transmission (1 per yr/15 months) .745 <b>Not a transmission line and no valves</b>			X																	
167.	192.709	Valve Maintenance – Distribution (1 per yr/15 months) .747 <b>There are no distribution line valves</b>			X																	
168.	480-93-100(3)	Service valve maintenance (1 per yr/15 months) <b>There are no service valves</b>			X																	
169.	192.709	Vault maintenance (≥200 cubic feet)(1 per yr/15 months) .749 <b>There are no valves</b>			X																	
170.	192.603(b)	Prevention of Accidental Ignition (hot work permits) .751 <b>Not a transmission line</b>			X																	
171.	192.603(b)	Welding – Procedure 192.225(b) <b>No welding has occurred since installation</b>			X																	
172.	192.603(b)	Welding – Welder Qualification 192.227/.229 <b>No welding has occurred since installation</b>			X																	
173.	192.603(b)	NDT – NDT Personnel Qualification .243(b)(2)	X																			
174.	192.709	NDT Records (pipeline life) .243(f)	X																			
175.	192.709	Repair: pipe (pipeline life); Other than pipe (5 years)	X																			
176.	192.905(c)	Periodically examining their transmission line routes for the appearance of newly identified area's (HCA's) <b>Not a transmission line</b>			X																	

**Comments:**

<b>CORROSION CONTROL RECORDS. See NWMF Maintenance Reports</b>			S	U	N/A	N/C
177.	192.455(a)(1)	Pipeline coatings meet requirements of 192.461 (for buried pipelines installed after 7/31/71)	X			
178.	192.455(a)(2)	CP system installed on and operating within 1 yr of completion of pipeline construction (after 7/31/71)	X			

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<b>CORROSION CONTROL RECORDS. See NWMF Maintenance Reports</b>			<b>S</b>	<b>U</b>	<b>N/A</b>	<b>N/C</b>
179.	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			
180.	192.491	Test Lead Maintenance .471. <b>No test lead stations or boxes. Attached to pipe.</b>			X	
181.	192.491	Maps or Records .491(a)	X			
182.	192.491	Examination of Buried Pipe when exposed .459. <b>No occurrences since last audit</b>			X	
183.	480-93-110(8)	CP test reading on all exposed facilities where coating has been removed <b>No exposed facilities</b>			X	
184.	192.491	Annual Pipe-to-soil monitoring ( <b>1 per yr/15 months</b> ) .465(a)	X			
185.	192.491	Rectifier Monitoring ( <b>6 per yr/2½ months</b> ) .465(b). Solvay does rectifier inspections monthly	X			
186.	192.491	Interference Bond Monitoring – Critical ( <b>6 per yr/2½ months</b> ) .465(c) <b>No critical bonds</b>			X	
187.	192.491	Interference Bond Monitoring – Non-critical ( <b>1 per yr/15 months</b> ) .465(c) <b>No non-critical bonds</b>			X	
188.	480-93-110(2)	Remedial action taken within 90 days (Up to 30 additional days if other circumstances. Must document) .465(d) <b>No critical bonds or non-critical bonds</b>			X	
189.	480-93-110(3)	CP equipment/ instrumentation maintained, tested for accuracy, calibrated, and operated in accordance with manufactures recommendations, or at appropriate schedule determined by gas company if no recommendation. Instr#88780432 & 8930689	X			
190.	192.491	Unprotected Pipeline Surveys, CP active corrosion areas ( <b>1 per 3 cal yr/39 months</b> ) .465(e) <b>The entire pipeline is protected by an impressed current CP system</b>			X	
191.	192.491	Electrical Isolation ( <b>Including Casings</b> ) .467.	X			
192.	480-93-110(5)	Casings inspected/tested annually not to exceed <b>fifteen months</b> conducted monthly surveys	X			
193.	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	
194.	480-93-110(5)(b)	Possible shorted conditions – Perform confirmatory follow-up inspection within <b>90 days. No shorted conditions during this inspection period</b>			X	
195.	480-93-110(5)(c)	Casing shorts cleared when practical. <b>No shorted conditions during this inspection period</b>			X	
196.	480-93-110(5)(d)	Shorted conditions leak surveyed within 90 days of discovery. <b>Twice annually/7.5 months No shorted conditions during this inspection period</b>			X	
197.	192.491	Interference Currents .473	X			
198.	192.491	Internal Corrosion; Corrosive Gas Investigation .475(a) <b>Using pure Hydrogen gas</b>			X	
199.	192.491	Internal Corrosion; Internal Surface Inspection; Pipe Replacement .475(b) <b>No pipe replaced during this inspection period</b>			X	
200.	192.491	Internal Corrosion Control Coupon Monitoring ( <b>2 per yr/7½ months</b> ) .477 <b>No pipe replaced during this inspection period</b>			X	
201.	192.491	Atmospheric Corrosion Control Monitoring ( <b>1 per 3 cal yr/39 months onshore; 1 per yr/15 months offshore</b> ) .481. 4/19/12 and 4/29/14	X			
202.	192.491	Remedial: Replaced or Repaired Pipe; coated and protected; corrosion evaluation and actions .483/.485 <b>No pipe replaced during this inspection period</b>			X	

**Comments:**

<b>PIPELINE INSPECTION (Field) See NWMF Maintenance Reports</b>			<b>S</b>	<b>U</b>	<b>N/A</b>	<b>N/C</b>
203.	192.161	Supports and anchors	X			

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<b>PIPELINE INSPECTION (Field) See NWMF Maintenance Reports</b>			<b>S</b>	<b>U</b>	<b>N/A</b>	<b>N/C</b>
204.	480-93-080(1)(d)	Welding procedures located on site where welding is performed? <b>No pipe was welded during this inspection period</b>			X	
205.	480-93-080(1)(b)	Use of testing equipment to record and document essential variables	X			
206.	480-93-080(2)(a)	Plastic procedures located on site where welding is performed? <b>There is no plastic</b>			X	
207.	480-93-080(3)	Identification and qualification cards/certificates w/name of welder/joiner, their qualifications, date of qualification and operator whose qualification procedures were followed.	X			
208.	480-93-013	Personnel performing “New Construction” covered tasks OQ qualified? <b>No new construction</b>			X	
209.	480-93-015(1)	Odorization <b>Hydrogen line, not odorized</b>			X	
210.	480-93-018(3)	Updated records, inc maps and drawings made available to appropriate operations personnel? <b>There have been no map updates since the commissioning of the pipeline system</b>			X	
211.	192.179	Valve Protection from Tampering or Damage <b>There are no transmission valves</b>			X	
212.	192.455	Pipeline coatings meet requirements of 192.461 (for buried pipelines installed after 7/31/71)	X			
213.	192.463	Levels of cathodic protection	X			
214.	192.465	Rectifiers	X			
215.	192.467	CP - Electrical Isolation	X			
216.	192.476	Systems designed to reduce internal corrosion	X			
217.	192.479	Pipeline Components exposed to the atmosphere	X			
218.	192.481	Atmospheric Corrosion: monitoring	X			
219.	192.491	Test Stations – Sufficient Number .469	X			
220.	480-93-115(2)	Casings – Test Leads (casings w/o vents installed after 9/05/1992)	X			
221.	480-93-115(2)	Mains or transmission lines installed in casings/conduit. Are casing ends sealed? <b>No mains or transmission lines</b>			X	
222.	480-93-115(4)	Service lines installed in casings/conduit. Are casing ends nearest to building walls sealed? <b>No service lines</b>			X	
223.	192.605(a)	Appropriate parts of manuals kept at locations where O&M activities are conducted	X			
224.	192.605	Knowledge of Operating Personnel	X			
225.	480-93-124	Pipeline markers	X			
226.	480-93-124(4)	Markers reported missing or damaged replaced within <b>45 days?</b>	X			
227.	192.719	Pre-pressure Tested Pipe ( <b>Markings and Inventory</b> )_No pretested pipe on site			X	
228.	192.195	Overpressure protection designed and installed where required?	X			
229.	192.739/743	Pressure Limiting and Regulating Devices ( <b>Mechanical/Capacities</b> )_The compressor at Equa Chlor has been tested, according to Equa Chlor records, and will not put out more than 65 psig. The pressure vessel near the compressor source has a PSV set at the MAOP of 150			X	
230.	192.741	Telemetering, Recording Gauges <b>This is not a distribution system</b>			X	
231.	192.751	Warning Signs	X			
232.	192.355	Customer meters and regulators. Protection from damage <b>There are no service lines meters or regulators</b>			X	
233.	192.355(c)	Pits and vaults: Able to support vehicular traffic where anticipated. <b>There are no pits or vaults</b>			X	
234.	480-93-140	Service regulators installed, operated and maintained per state/fed regs and manufacturers recommended practices? <b>There are no service lines meters or regulators</b>			X	
235.	480-93-178(2)	Plastic Pipe Storage facilities – Maximum Exposure to Ultraviolet Light (2yrs) <b>There is no plastic pipe</b>			X	
236.	480-93-178(4)	Minimum Clearances from other utilities. For parallel lines a minimum of twelve inches. Where a minimum twelve inches of separation is not possible, must take adequate	X			

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PIPELINE INSPECTION (Field) See NWMF Maintenance Reports			S	U	N/A	N/C
		precautions, such as inserting the plastic pipeline in conduit, to minimize any potential hazards.				
237.	480-93-178(5)	Minimum Clearances from other utilities. For perpendicular lines a minimum of six inches of separation from the other utilities. Where a minimum six inches of separation is not possible, must take adequate precautions, such as inserting the plastic pipeline in conduit, to minimize any potential hazards	X			
238.	480-93-178(6)	Are there Temporary above ground PE pipe installations currently? <b>Yes    No X</b>				
239.	480-93-178(6)(a)	If yes, is facility monitored and protected from potential damage? <b>There is no plastic pipe</b>			X	
240.	480-93-178(6)(b)	If installation exceeded 30 days, was commission staff notified prior to exceeding the deadline? <b>There is no plastic pipe</b>			X	
241.	192.745	Valve Maintenance (Transmission) <b>This is not a transmission pipeline</b>			X	
242.	192.747	Valve Maintenance (Distribution) <b>The upstream valve is owned by Equachor</b>			X	

**Facility Sites Visited:**

Facility Type	Facility ID Number	Location

**Comments:**

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

<u>Number</u>	<u>Date</u>	<u>Subject</u>
ADB-2013-07	July 12, 13	Potential for Damage to Pipeline Facilities Caused by Flooding
ADB-2012-10	Dec 5, 12	Using Meaningful Metrics in Conducting Integrity Management Program Evaluations
ADB-2012-09	Oct 11, 12	Communication During Emergency Situations
ADB-2012-08	Jul 31, 12	Inspection and Protection of Pipeline Facilities After Railway Accidents

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ADB-12-07	Jun 11, 12	Mechanical Fitting Failure Reports
ADB-12-06	May 7, 12	Verification of Records establishing MAOP and MOP
ADB-12-05	Mar 23, 12	Cast Iron Pipe (Supplementary Advisory Bulletin)
ADB -12-04	Mar 21, 12	Implementation of the National Registry of Pipeline and Liquefied Natural Gas Operators
ADB-12-03	Mar 6, 12	Notice to Operators of Driscopipe 8000 High Density Polyethylene Pipe of the Potential for Material Degradation
ADB-11-05	Sep 1, 11	Potential for Damage to Pipeline Facilities Caused by the Passage of Hurricanes

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



## Attachment 1

### Distribution Operator Compressor Station Inspection

Unless otherwise noted, all code references are to 49CFR Part 192. S – Satisfactory U – Unsatisfactory N/A – Not Applicable N/C – Not Checked  
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243.	.605(b)	<b>COMPRESSOR STATION PROCEDURES. No compressor station on Solvay pipeline</b>	S	U	N/A	N/C
244.		.605(b)(6) Maintenance procedures, including provisions for isolating units or sections of pipe and for purging before returning to service			X	
245.		.605(b)(7) Starting, operating, and shutdown procedures for gas compressor units			X	
246.		.731 Inspection and testing procedures for remote control shutdowns and pressure relieving devices ( <b>1 per yr/15 months</b> ), prompt repair or replacement			X	
247.		.735 (a) Storage of excess flammable or combustible materials at a safe distance from the compressor buildings			X	
248.		(b) Tank must be protected according to <b>NFPA #30</b>			X	
249.		.736 Compressor buildings in a compressor station must have fixed gas detection and alarm systems ( <b>must be performance tested</b> ), unless:			X	
250.		• <b>50% of the upright side areas</b> are permanently open, or			X	
251.		• It is an unattended field compressor station of <b>1000 hp or less</b>			X	

**Comments:**

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

**Comments:**

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

# Attachment 1

## Distribution Operator Compressor Station Inspection

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COMPRESSOR STATIONS INSPECTION (Field)				S	U	N/A	N/C
(Note: Facilities may be “Grandfathered”)							
265.	.167	(a)	ESD system must:				
266.			- Discharge blowdown gas to a safe location			X	
267.			- Block and blow down the gas in the station			X	
268.			- Shut down gas compressing equipment, gas fires, electrical facilities in compressor building and near gas headers			X	
269.			- Maintain necessary electrical circuits for emergency lighting and circuits needed to protect equipment from damage			X	
270.			ESD system must be operable from at least two locations, each of which is:				
271.	.167		- Outside the gas area of the station			X	
272.			- Not more than 500 feet from the limits of the station			X	
273.			- ESD switches near emergency exits?			X	
274.		(b)	For stations supplying gas directly to distribution systems, is the ESD system configured so that the LDC will not be shut down if the ESD is activated?			X	
275.		(c)	Are ESDs on platforms designed to actuate automatically by...				
276.			- For unattended compressor stations, when:				
277.			▪ The gas pressure equals MAOP plus 15%?			X	
278.			▪ An uncontrolled fire occurs on the platform?			X	
279.			- For compressor station in a building, when				
280.			▪ An uncontrolled fire occurs in the building?			X	
281.			▪ 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	
282.	.171	(a)	Does the compressor station have adequate fire protection facilities? If fire pumps are used, they must not be affected by the ESD system.			X	
283.		(b)	Do the compressor station prime movers (other than electrical movers) have over-speed shutdown?			X	
284.		(c)	Do the compressor units alarm or shutdown in the event of inadequate cooling or lubrication of the unit(s)?			X	
285.		(d)	Are the gas compressor units equipped to automatically stop fuel flow and vent the engine if the engine is stopped for any reason?			X	
286.		(e)	Are the mufflers equipped with vents to vent any trapped gas?			X	
287.	.173		Is each compressor station building adequately ventilated?			X	
288.	.457		Is all buried piping cathodically protected?			X	
289.	.481		Atmospheric corrosion of aboveground facilities			X	
290.	.603		Does the operator have procedures for the start-up and shut-down of the station and/or compressor units?			X	
291.			Are facility maps current/up-to-date?			X	
292.	.615		Emergency Plan for the station on site?			X	
293.	.619		Review pressure recording charts and/or SCADA			X	
294.	.707		Markers			X	
295.	.731		Overpressure protection – relief’s or shutdowns			X	
296.	.735		Are combustible materials in quantities exceeding normal daily usage, stored a safe distance from the compressor building?			X	
297.			Is aboveground oil or gasoline storage tanks protected in accordance with <b>NFPA standard No. 30?</b>			X	
298.	.736		Gas detection – location			X	

## Attachment 1

### Distribution Operator Compressor Station Inspection

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Comments: