

Utilities and Transportation Commission
Standard Inspection Report for Intrastate Gas Transmission Pipelines
Records Review and Field Inspection

A completed **Standard Inspection Checklist, Cover Letter and Field Report** is to be submitted to the Senior Engineer within 30 days from completion of the inspection.

Inspection Report			
Docket Number	PG-090041		
Inspector Name & Submit Date	Joe Subits 4/6/09		
Sr. Eng Name & Review Date	Dave Lykken 4/7/09		
Operator Information			
Name of Operator:	Air Liquide Industrial, U.S. LP	OP ID #:	1850
Name of Unit(s):	Kalama Plant		
Records Location:	Kalama, WA		
Date(s) of Last (unit) Inspection:	N/A, first inspection	Inspection Date(s):	3/23-25/2009

Inspection Summary:

This is the first compliance inspection conducted at the Air Liquide Kalama Facility. Air Liquide operates a 2-inch hydrogen line that connects their facility to the Emerald Processing (formally Kalama Chemical) facility. Four violations were noted. 49 CFR 192.605(b)(8) requires the periodic review of personnel work to determine effectiveness of procedures. A procedure is in place to do this. There was no evidence that this was done. The drug /Alcohol program was reviewed, the field OQ checklist was completed and the O&M Manual was reviewed. The remaining three violations were additions required in the O&M Manual and the Drug and Alcohol misuse prevention programs.

HQ Address: Air Liquide Industrial, U.S. LP 2700 Post Oak Blvd Suite 1800 Houston, Texas, 77056		System/Unit Name & Address: Air Liquide Industrial U.S. LP 185 East Wind Road Po Box 10 Kalama, WA 98625	
Co. Official: Mike Graff, President	Phone No.: (713) 624-8000	Phone No.: (360) 673-1400	
Phone No.: (713) 624-8000	Fax No.: (713) 438-6990	Fax No.: (360) 673-1428	
Fax No.: (713) 438-6990	Emergency Phone No.: (713) 438-6302	Emergency Phone No.: (360) 673-1488	
Emergency Phone No.: (713) 438-6302			
Persons Interviewed	Title	Phone No.	
Eric Thorstenson	Plant Manger	(360) 673-1400	
Bobby Skelton	Senior Maintenance Engineer	(713) 438-6351	
Kenny Ortamond	District Engineer	(979) 239-5266	

UTC staff conducted abbreviated procedures inspection on 192 O&M and WAC items that changed since the last inspection. This checklist focuses on Records and Field items per a routine standard inspection.

(check one below and enter appropriate date)

<input type="checkbox"/>	Team inspection was performed (Within the past five years.) or,	Date:	N/A
<input type="checkbox"/>	Other WUTC Inspector reviewed the O & M Manual (Since the last yearly review of the manual by the operator.)	Date:	N/A

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GAS SYSTEM OPERATIONS			
Gas Supplier	Air Liquide		
Number of reportable safety related conditions last year		0	Number of deferred leaks in system
Number of <u>non-reportable</u> safety related conditions last year		0	Number of third party hits last year
Miles of transmission pipeline within unit (total miles and miles in class 3 & 4 areas) 0			
Operating Pressure(s):		MAOP (Within last year)	Actual Operating Pressure (At time of Inspection)
Feeder:			
Town:			
Other:	Hydrogen manufactured by Air Liquide	354 psig	280 psi max (based on compressor capacity)
Does the operator have any transmission pipelines?	yes		
Compressor stations? Use Attachment 4.	Not regulated, compressor used for processing gas		

Pipe Specifications:			
Year Installed (Range)	1997	Pipe Diameters (Range)	2-inch
Material Type	Steel	Line Pipe Specification Used	x-42, w.t.-.218inch
Mileage	2.03 M	SMYS %	9 %
Supply Company	Air Liquide	Class Locations	1

Operator Qualification Field Validation

Important: Per OPS, the OQ Field Inspection Protocol Form (Rev 3, Feb 08) shall be used by the inspector as part of this standard inspection. When completed, the inspector will upload this information into the PHMSA OQ Database (OQDB) located at <http://primis.phmsa.dot.gov/oqdb/home.oq> **Date Completed:** 04/02/2009

REPORTING RECORDS			S	U	N/A	N/C
1.	191.5	Telephonic reports to National Response Center (800-424-8802)			x	
2.	191.15	Written incident reports; supplemental incident reports (DOT Form RSPA F 7100.2)			x	
3.	191.17 (a)	Annual Report (DOT Form RSPA F 7100.2-1)	x			
4.	191.23	Safety related condition reports			x	
5.	192.727(g)	Abandoned facilities offshore, onshore crossing commercially navigable waterways reports			x	
6.	480-93-200(1)	Telephonic Reports to UTC Pipeline Safety Incident Notification 1-888-321-9146 (Within 2 hours) for events which;				
7.	480-93-200(1)(a)	Result in a fatality or personal injury requiring hospitalization;			x	
8.	480-93-200(1)(b)	Results in damage to property of the operator and others of a combined total exceeding fifty thousand dollars;			x	
9.	480-93-200(1)(c)	Results in the evacuation of a building, or high occupancy structures or areas;			x	
10.	480-93-200(1)(d)	Results in the unintentional ignition of gas;			x	
11.	480-93-200(1)(e)	Results in the unscheduled interruption of service furnished by any operator to twenty five or more distribution customers;			x	
12.	480-93-200(1)(f)	Results in a pipeline or system pressure exceeding the MAOP plus ten percent or the maximum pressure allowed by proximity considerations outlined in WAC 480-93-020;			x	
13.	480-93-200(1)(g)	Is significant, in the judgment of the operator, even though it does not meet the criteria of (a) through (e) of this subsection; or			x	
14.	480-93-200(2)	Telephonic Reports to UTC Pipeline Safety Incident Notification 1-888-321-9146 (Within 24 hours) for;			x	
15.	480-93-200(2)(a)	The uncontrolled release of gas for more than two hours;			x	
16.	480-93-200(2)(b)	The taking of a high pressure supply or transmission pipeline or a major distribution supply pipeline out of service;			x	
17.	480-93-200(2)(c)	A pipeline operating at low pressure dropping below the safe operating conditions of attached appliances and gas equipment; or			x	
18.	480-93-200(2)(d)	A pipeline pressure exceeding the MAOP			x	
19.	480-93-200(5)	Written incident reports (within 30 days) including the following;				
20.	480-93-200(4)(a)	Name(s) and address(es) of any person or persons injured or killed, or whose property was damaged;			x	
21.	480-93-200(4)(b)	The extent of injuries and damage;			x	
22.	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;			x	
23.	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;			x	
24.	480-93-200(4)(e)	The date and time the gas pipeline company was first notified of the incident;			x	
25.	480-93-200(4)(f)	The date and time the ((operators')) gas pipeline company's first responders arrived on-site;			x	
26.	480-93-200(4)(g)	The date and time the gas ((facility)) pipeline was made safe;			x	
27.	480-93-200(4)(h)	The date, time, and type of any temporary or permanent repair that was made;			x	
28.	480-93-200(4)(i)	The cost of the incident to the ((operator)) gas pipeline company;			x	
29.	480-93-200(4)(j)	Line type;			x	
30.	480-93-200(4)(k)	City and county of incident; and			x	
31.	480-93-200(4)(l)	Any other information deemed necessary by the commission.			x	
32.	480-93-200(5)	Submit a supplemental report if required information becomes available			x	
33.	480-93-200(6)	Written report within 45 days of receiving the failure analysis of any incident or hazardous condition due to construction defects or material failure			x	

REPORTING RECORDS			S	U	NA	NC
34.	480-93-200(7)	Annual Reports filed with the commission no later than March 15 for the proceeding calendar year				
35.	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			
36.	480-93-200(7)(b)	Damage Prevention Statistics Report including the following;	x			
37.	480-93-200(7)(b)(i)	Number of gas-related one-call locate requests completed in the field;	x			
38.	480-93-200(7)(b)(ii)	Number of third-party damages incurred; and	x			
39.	480-93-200(7)(b)(iii)	Cause of damage, where cause of damage is classified as one of the following: (A) Inaccurate locate; (B) Failure to use reasonable care; (C) Excavated prior to a locate being conducted; or (D) Excavator failed to call for a locate.	x			
40.	480-93-200(7)(c)	Reports detailing all construction defects and material failures resulting in leakage. Categorizing the different types of construction defects and material failures. The report must include the following: (i) Types and numbers of construction defects; and (ii) Types and numbers of material failures.	x			
41.	480-93-200(8)	Providing updated emergency contact information to the commission and appropriate officials of all municipalities where gas pipeline companies have facilities	x			
42.	480-93-200(9)	Providing by email, reports of daily construction and repair activities no later than 10:00 a.m.			x	
43.	480-93-200(10)	Submitting copy of DOT Drug and Alcohol Testing MIS Data Collection Form when required	x			

Documentation Reviewed:				
Document Title	Document Number	Revision Date	Date Range Reviewed	Pct of Data Reviewed
Annual Report		2008	2008	100

Comments:

First compliance inspection. No incidents, safety related conditions, abandoned pipe in system

CONSTRUCTION RECORDS			S	U	NA	NC
44.	192.225	Test Results to Qualify Welding Procedures			x	
45.	192.227	Welder Qualification			x	
46.	480-93-080(1)(b)	Use of testing equipment to record and document essential variables			x	
47.	480-93-115(2)	Test leads on casings (without vents) installed after 9/05/1992			x	
48.	480-93-115(3)	Sealing ends of casings or conduits on Transmission lines and main			x	
49.	480-93-115(4)	Sealing ends (nearest building wall) of casings or conduits on services			x	
50.	192.241(a)	Visual Weld Inspector Training/Experience			x	
51.	192.243(b)(2)	Nondestructive Technician Qualification			x	
52.	192.243(c)	NDT procedures			x	
53.	192.243(f)	Total Number of Girth Welds			x	
54.	192.243(f)	Number of Welds Inspected by NDT			x	
55.	192.243(f)	Number of Welds Rejected			x	
56.	192.243(f)	Disposition of each Weld Rejected			x	

CONSTRUCTION RECORDS			S	U	N/A	N/C
57.	480-93-080(1)(b)	Use of testing equipment to record and document essential variables			x	
58.	480-93-115(2)	Test leads on casings (without vents) installed after 9/05/1992			x	
59.	480-93-115(3)	Sealing ends of casings or conduits on Transmission lines and main			x	
60.	480-93-115(4)	Sealing ends (nearest building wall) of casings or conduits on services			x	
61.	192.303	Construction Specifications			x	
62.	192.325	Underground Clearance			x	
63.	192.327	Amount, Location, Cover of each Size of Pipe Installed			x	
64.	480-93-160(1)	Detailed report filed 45 days prior to construction or replacement of transmission pipelines ≥ 100 feet in length			x	
65.	480-93-170(3)	Pressure Tests Performed on new and replacement pipelines			x	
66.	480-93-170(10)	Pressure Testing Equipment checked for Accuracy/Intervals (Manufacturers Recom or Operators schedule)			x	
67.	480-93-175(1)	Study prepared and approved prior to moving and lowering of metallic pipelines > 60 psig			x	
68.	192.455	Cathodic Protection			x	

Documentation Reviewed:

Document Title	Document Number	Revision Date	Date Range Reviewed	Pct of Data Reviewed

Comments:

No construction during past year

OPERATIONS and MAINTENANCE RECORDS			S	U	N/A	N/C
69.	192.14	Conversion To Service Performance and Records				
70.	192.14 (a)(2)	Visual inspection of right of way, aboveground and selected underground segments			x	
71.	192.14 (a)(3)	Correction of unsafe defects and conditions			x	
72.	192.14 (a)(4)	Pipeline testing in accordance with Subpart J			x	
73.	192.14 (b)	Pipeline records: investigations, tests, repairs, replacements, alterations (life of pipeline)			x	
74.	192.16	Customer Notification (Verification – 90 days – and Elements)			x	
75.	192.603(b)	Procedural Manual Review – Operations and Maintenance (1 per yr/15 months) .605(a)	x			
76.	192.603(b)	Abnormal Operations .605(c)			x	
77.	192.603(b)	Availability of construction records, maps, operating history to operating personnel .605(b)(3)			x	
78.	192.603(b)	Periodic review of personnel work – effectiveness of normal O&M procedures .605(b)(8)		x		
79.	192.603(b)	Periodic review of personnel work – effectiveness of abnormal operation procedures .605(c)(4)			x	
80.	192.709	Damage Prevention (Miscellaneous) .614	x			
81.	192.709	Class Location Study (If Applicable) .609	x			
82.	192.603(b)	Location Specific Emergency Plan .615(b)(1)	x			
83.	192.603(b)	Emergency Procedure training, verify effectiveness of training .615(b)(2)	x			

OPERATIONS and MAINTENANCE RECORDS			S	U	N/A	N/C												
84.	192.603(b)	Employee Emergency activity review, determine if procedures were followed. .615(b)(3)			x													
85.	192.603(b)	Liaison Program with Public Officials .615(c)	x															
192.603(b)	Public Awareness Program .616																	
	.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															
	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.																	
	API RP 1162 Baseline* Recommended Message Deliveries																	
	<table border="1"> <thead> <tr> <th>Stakeholder Audience (Natural Gas Transmission Line Operators)</th> <th>Baseline Message Frequency (starting from effective date of Plan)</th> </tr> </thead> <tbody> <tr> <td>Residents Along Right-of-Way and Places of Congregation</td> <td>2 years</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> <td>One-Call Centers</td> <td>As required of One-Call Center</td> </tr> </tbody> </table>		Stakeholder Audience (Natural Gas Transmission Line Operators)	Baseline Message Frequency (starting from effective date of Plan)	Residents Along Right-of-Way and Places of Congregation	2 years	Emergency Officials	Annual	Public Officials	3 years	Excavator and Contractors	Annual	One-Call Centers	As required of One-Call Center				
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* Refer to API RP 1162 for additional requirements, including general program recommendations, supplemental requirements, recordkeeping, program evaluation, etc.																		
86.	192.603(b)	The program conducted in English and any other languages commonly understood by a significant number of the population in the operator's area. .616(g)	x															
87.	192.603(b)	Analyzing accidents and failures including laboratory analysis where appropriate to determine cause and prevention of recurrence .617			x													
88.	192.517	Pressure Testing	x															
89.	.553(b)	Upgrading			x													
90.	192.709	Maximum Allowable Operating Pressure (MAOP) .619	x*															
91.	480-93-015(1)	Odorization of Gas – Concentrations adequate			x													
92.	480-93-015(2)	Monthly Odorant Sniff Testing			x													
93.	480-93-015(3)	Prompt action taken to investigate and remediate odorant concentrations not meeting the minimum requirements			x													
94.	480-93-015(4)	Odorant Testing Equipment Calibration/Intervals (Annually or Manufacturers Recommendation)			x													
95.	480-93-124(3)	Pipeline markers attached to bridges or other spans inspected? 1/yr(15 months)	x															
96.	480-93-124(4)	Markers reported missing or damaged replaced within 45 days?	x															
97.	480-93-185(1)	Reported gas leaks investigated promptly/graded/record retained	x															
98.	480-93-185(3)	Leaks originating from a foreign source reported promptly/notification by mail/record retained	x															
99.	480-93-187	Gas Leak records	x															
100.	480-93-188(1)	Gas Leak surveys	x															
101.	480-93-188(2)	Gas detection instruments tested for accuracy/intervals (Mfct rec or monthly not to exceed 45 days)	x															
102.	480-93-188(3)	Leak survey frequency (Refer to Table Below)	x															
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103.	480-93-188(4)(a)	Special leak surveys - Prior to paving or resurfacing, following street alterations or repairs			x													
104.	480-93-188(4)(b)	Special leak surveys - areas where substructure construction occurs adjacent to underground gas facilities, and damage could have occurred			x													

OPERATIONS and MAINTENANCE RECORDS			S	U	N/A	N/C												
105.	480-93-188(4)(c)	Special leak surveys - Unstable soil areas where active gas lines could be affected			x													
106.	480-93-188(4)(d)	Special leak surveys - areas and at times of unusual activity, such as earthquake, floods, and explosions			x													
107.	480-93-188(5)	Gas Survey Records			x													
108.	480-93-188(6)	Leak Survey Program/Self Audits			x													
109.	192.709	Patrolling (Refer to Table Below) .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)
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110.	192.709	Leak Surveys (Refer to Table Below) .706	x															
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111.	192.603b/.727g	Abandoned Pipelines; Underwater Facility Reports .727			x													
112.	192.709	Compressor Station Relief Devices (1 per yr/15 months) .731(a)			x													
113.	192.709	Compressor Station Emergency Shutdown (1 per yr/15 months) .731(c)			x													
114.	192.709	Compressor Stations – Detection and Alarms (Performance Test) .736(c)			x													
115.	192.709	Pressure Limiting and Regulating Stations (1 per yr/15 months) .739			x													
116.	192.709	Pressure Limiting and Regulator Stations – Capacity (1 per yr/15 months) .743			x													
117.	192.709	Valve Maintenance (1 per yr/15 months) .745	x															
118.	192.709	Vault Maintenance (≥200 cubic feet)(1 per yr/15 months) .749			x													
119.	192.603(b)	Prevention of Accidental Ignition (hot work permits) .751			x													
120.	192.603(b)	Welding – Procedure .225(b)			x													
121.	192.603(b)	Welding – Welder Qualification .227/.229			x													
122.	192.603(b)	NDT – NDT Personnel Qualification .243(b)(2)			x													
123.	192.709	NDT Records (Pipeline Life) .243(f)			x													
124.	192.709	Repair: pipe (Pipeline Life); Other than pipe (5 years)			x													

Documentation Reviewed:				
Document Title	Document Number	Revision Date	Date Range Reviewed	Pct of Data Reviewed
Damage prevention tickets			2008	75 %
Class location study			2008	100 %
“What if” Training exercises				100% of pipeline exercises
Pressure Test			1997	100 %
Patrolling and leak survey records			2008	100%

Valve inspection records		2008	100%
Pressure Readings		2009	2 months

Comments:

*-MAOP was modified and limited because of the construction pressure test. Line was tested with nitrogen to 442 psig.
 No odorant used by operator-hydrogen used for processing by customers, letters identifying purity concerns with odorant are supplied by customer.
 No pressure control equipment, compressor is incapable of exceeding the MAOP
 Compressor is used to process gas and is not regulated under 49 CFR 192
 No construction performed during the past year
 There were abnormal operations at the facility

CORROSION CONTROL RECORDS			S	U	N/A	N/C
125.	192.453	CP procedures (system design, installation, operation, and maintenance) must be carried out by qualified personnel	x			
126.	192.455(a)(2)	CP system installed on and operating within 1 yr of completion of pipeline construction (after 7/31/71)	x			
127.	192.465(a)	Annual Pipe-to-soil Monitoring (1 per yr/15 months) for short sections (10% per year; all in 10 years)	x			
128.	192.491	Maps or Records .491(a)	x			
129.	192.491	Examination of Buried Pipe when Exposed .459			x	
130.	480-93-110(8)	CP test reading on all exposed facilities where coating has been removed			x	
131.	192.491	Annual Pipe-to-soil Monitoring (1 per yr/15 months) .465(a)	x			
132.	192.491	Rectifier Monitoring (6 per yr/2½ months) .465(b)	x			
133.	192.491	Interference Bond Monitoring – Critical (6 per yr/2½ months) .465(c)			x	
134.	192.491	Interference Bond Monitoring – Non-critical (1 per yr/15 months) .465(c)			x	
135.	192.491	Prompt Remedial Actions .465(d)			x	
136.	192.491	Unprotected Pipeline Surveys, CP active corrosion areas (1 per 3 cal yr/39 months) .465(c)			x	
137.	192.491	Electrical Isolation (Including Casings) .467	x			
138.	480-93-110(2)	Remedial action taken within 90 days (Up to 30 additional days if other circumstances. Must document) .465(d)			x	
139.	480-93-110(3)	CP Test Equipment and Instruments checked for Accuracy/Intervals (Mfct Rec or Opr Sched)	x			
140.	480-93-110(5)	Casings inspected/tested annually not to exceed fifteen months	x			
141.	480-93-110(5)(a)	Casings w/no test leads installed prior to 9/05/1992. Demonstrate other acceptable test methods			x	
142.	480-93-110(5)(b)	Possible shorted conditions – Perform confirmatory follow-up inspection within 90 days			x	
143.	480-93-110(5)(c)	Casing shorts cleared when practical			x	
144.	480-93-110(5)(d)	Shorted conditions leak surveyed within 90 days of discovery. Twice annually/7.5 months			x	
145.	192.491	Interference Currents .473			x	
146.	192.491	Internal Corrosion; Corrosive Gas Investigation .475(a)			x	
147.	192.491	Internal Corrosion; Internal Surface Inspection; Pipe Replacement .475(b)			x	
148.	192.491	Internal Corrosion Control Coupon Monitoring (2 per yr/7½ months) .477			x	
149.	192.491	Atmospheric Corrosion Control Monitoring (1 per 3 cal yr/39 months onshore; 1 per yr/15 months offshore) .481	x			
150.	192.491	Remedial: Replaced or Repaired Pipe; coated and protected; corrosion evaluation and actions .483/485			x	

Documentation Reviewed:

Document Title	Document Number	Revision Date	Date Range Reviewed	Pct of Data Reviewed
Pipe to soil readings			2008	100%
Atmospheric corrosion inspection			2008	100%

Comments:

PIPELINE INSPECTION (Field)			S	U	N/A	N/C
151.	192.161	Supports and anchors	x			
152.	192.179	Valve Protection from Tampering or Damage	x			
153.	480-93-015(1)	Odorization levels			x	
154.	192.463	Levels of Cathodic Protection	x			
155.	192.465	Rectifiers	x			
156.	192.467	CP - Electrical Isolation	x			
157.	192.469	Test Stations (Sufficient Number)	x			
158.	192.479	Pipeline Components Exposed to the Atmosphere	x			
159.	192.481	Atmospheric Corrosion - monitoring	x			
160.	480-93-115(2)	Casings – Test Leads (Casings w/o vents installed after 9/05/1992)	x*			
161.	192.605	Knowledge of Operating Personnel	x			
162.	613(b), 703	Pipeline condition, unsatisfactory conditions, hazards, etc.	x			
163.	480-93-124	Pipeline Markers	x			
164.	192.751	Warning Signs	x			
165.	192.719	Pre-pressure Tested Pipe (Markings and Inventory)			x	
166.	192.739	Pressure Limiting and Regulating Devices (Mechanical)			x	
167.	192.743	Pressure Limiting and Regulating Devices (Capacities)			x	
168.	192.745	Valve Maintenance	x			
169.	192.801 - 192.809	Operator qualification questions – Refer to OQ Field Inspection Protocol Form (Rev 3, Feb 08)	x			

Facility Sites Visited:		
Facility Type	Facility ID Number	Location

Comments:
Casing at railroad track showed a possible shorted casing. A reading off the vent showed isolation. There may be a problem with the test lead.

Recent Pipeline Safety Advisory Bulletins: (Last 2 years)

<u>Number</u>	<u>Date</u>	<u>Subject</u>
ADB-06-01	January 17, 2006	Pipeline Safety: Notice to Operators of Natural Gas and Hazardous Liquid Pipelines to Integrate Operator Qualification Regulations into Excavation Activities
ADB-06-02	June 16, 2006	Submission of Public Awareness Programs for Review
ADB-06-03	November 22, 2006	Pipeline Safety-Notice to Operators of Natural Gas and Hazardous Liquid Pipelines to Accurately Locate and Mark Underground Pipelines Before Construction-Related Excavation Activities Commence Near the Pipelines
ADB-06-04	December 28, 2006	Pipeline Safety: Lessons Learned From a Security Breach at a Liquefied Natural Gas Facility
ADB-07-01	April 27, 2007	Pipeline Safety: Senior Executive Signature and Certification of Integrity Management Program Performance Reports
ADB-07-02	September 6, 2007	Pipeline Safety: Updated Notification of the Susceptibility to Premature Brittle-Like Cracking of Older Plastic Pipe
ADB-07-02	February 29, 2008	Correction - Pipeline Safety: Updated Notification of the Susceptibility to Premature Brittle-Like Cracking of Older Plastic Pipe
ADB-08-02	February 28, 2008	Identifying Issues with Mechanical Couplings that Could Lead to Failure
ADB-08-03	March 10, 2008	Dangers of Abnormal Snow and Ice Build-Up on Gas Distribution Systems

Comments: