Add solid samples to the internal corrosion part of the form. A completed **Standard Inspection Report** is to be submitted to the Director within 60 days from completion of the inspection. A **Post Inspection Memorandum (PIM)** is to be completed and submitted to the Director within 30 days from the completion of the inspection, or series of inspections, and is to be filed as part of the **Standard Inspection Report**.

Inspection Report	Post Inspection Memorandum	
Inspector/Submit Date:	Inspector/Submit Date: Peer Review/Date: Director Approval/Date:	
POST INSPECTION	N MEMORANDUM (PIM)	
Name of Operator:	OPID #:	
Name of Unit(s):	<b>Unit</b> #(s):	
Records Location:	· · ·	
Unit Type & Commodity:		
Inspection Type:	Inspection Date(s):	
PHMSA	AFO Days:	
Representative(s):		

**Summary:** 

Findings:

Name of Operator:				
OP ID No. <sup>(1)</sup>	Unit	Unit ID No. <sup>(1)</sup>		
HQ Address:	Syst	System/Unit Name & Address: (1)		
a				
Co. Official:		vity Record ID No.:		
Phone No.:		ne No.:		
Fax No.:	Fax			
<b>Emergency Phone No.:</b>		rgency Phone No.:		
Persons Interviewed	Title		Phone No.	
PHMSA Representative(s) (1)	Inspection Date(s)	(1)		
<b>Company System Maps</b> (Copies for Re				
Company System Maps (Copies for Re				
Counties of Operation: (list each field	senarately)			
countres of operations (not each field	separately)			
Storage Field(s) Description: (list each	field separately)			

**Inspection Summary:** 

The attached evaluation form should be used in conjunction with 49CFR Parts 191 and 192.

<sup>&</sup>lt;sup>1</sup> Information not required if included on page 1. Form 12 Gas Storage Field Review (Rev. 03/07/08 through Amdt. 192-104)

PIPE TYPE							
Bare steel         Coated steel         Ineffectively Coated         Pre70-ERW         Plastic         Other: must specify t							
Footage/Mileage							

PIPE SPECIFICATIONS (2" AND LARGER)						
Diameter(s)						
Pipe Grade(s)						
Wall Thickness(s)						
Footage/Mileage						

WELL STIMULATION							
ACIDIZING							
Acidizing treatments used to stimulate the wells?	Yes	🗌 No					
Type(s) of acids used in treating the wells:							
Type(s) of inhibitors used with the acid(s):							
Frequency of the treatments:			Volume of acid per treatment:				
Well cleanup procedure following treatment:							
If treatment is flowed back into the well/injection line, criteria used to determine that the treatment will not cause internal corrosion or erosion of the pipe:							
	FRA	CTURING					
Fracturing treatments used to stimulate the wells?	Yes	🗌 No					
Type(s) of fracturing fluids used in treating the wells:							
Type(s) of inhibitors used with the fracturing fluid(s):							
Frequency of the treatments:			Amount of sand per treatment:				
Well cleanup procedure following treatment:							
If treatment is flowed back into the well/injection line, criteria used to determine that the treatment will not cause internal corrosion or erosion of the pipe:							

GAS and LIQUID HANDLING FACILITIES				
GAS COM	GAS COMPRESSION			
Location of compressors:				
Number, Size (HP), and Date of Installation of Units:				
GAS DEH	YDRATION			
Location of dehydration units:				
Type(s) of dehydration process used:				
Number of dehydration units:	Dehydration capacity:			
GAS SWEETENING	G (Acid Gas Treating)			
Location of sweetening units:				
Type(s) of sweetening process used:				
Number of sweetening units:	Sweetening capacity:			
GAS / LIQUID	SEPARATION			
SCRUBBERS / SEPARATORS:				
Location of scrubbers/separators:				
Type(s) of scrubbers/separators used:				
Number of scrubbers/separators:	Separation capacity:			
DRIPS:				
Location of drips:				
Type(s) of drips used:				
Number of drips:				
Frequency of draining or blowing drips:				

FIELD OPERATING PARAMETERS									
PRESSURES, RATES and TEMPERATURES									
	Press	ure, psi		Flow R	ate, MMcf/day			Tempera	ture, °F
	Injection	Withdi	awal	Injection	Withdr	awal	Injec	ction	Withdrawal
Maximum									
Maximum									
Maximum Allowabl	Maximum Allowable Operating Pressure (Field):								
			WATE	<b>R</b> , $CO_2$ , and $O_2$	CONTENT				
	Water, lbs./N	IMcf		CO <sub>2</sub> ,		H <sub>2</sub> S, ppm			O <sub>2</sub> , %
Injection Cycle									
Withdrawal Cycle									
		FIELD O	PERATI	ING AND MAIN	TENANCE H	HISTORY	7		
			LF	AKS (NON-RUP	(URES)				
Are leak surveys of	the field being condu	cted? (49 CF	FR 192.70	5) 🗌 Yes	🗌 No				
Have any leaks been	found over the past :	5 years?		Yes	🗌 No		Number	of leaks:	
Types of leaks that h	nave occurred?								
Cause(s) of the leaks	5:								
Location(s) of the le	aks:								
Has a trend analysis	been performed?			Yes 🗌	No				
If a trend analysis ha	as been done, what do	the results i	ndicate?						
			]	FAILURE/RUPTU	JRES				
Have any failures oc	curred over the past	5 years?		Yes	No		Number	of failures:	
Type(s) of failures the	hat have occurred:								
Cause(s) of the failu	res:								
Location(s) of the fa	ilures:								
Has a trend analysis	been performed?			Yes 🗌	No				
	as been done, what do	the results i							
LINE REPLACEMENTS									
Have any lines been	replaced over the pas	st 5 years?		Yes 🗌	No		Number	of replacen	nents:
Type(s) of replacem		-							
Location(s) of the re	placements:								
Reason(s) for replac	ements:								
LINE REPAIRS									

FIELD OPERATING AND MAINTENANCE HISTORY						
Have any lines been repaired over the	e past 5 years?	Yes	□ No	Number	of repairs:	
Type(s) of repairs:						
Location(s) of the repairs:						
Reason(s) for the repairs:						
		VALVE RE	PLACEMENTS			
Have any valves been replaced over	the past 5 years?	Yes	🗌 No	Number	of replacements:	
Type(s) of valve replacements:				ŀ		
Location(s) of the replacements:						
r in the second s						
Reason(s) for the replacements:						
	GAS and	LIQUID HANI	DLING FACILITY U	PSETS		
	Gas Dehydr	ation Units	Gas Sweeteni	ng Units	Separators	
Number of upsets – past 3 years						
Cause(s) of the upsets:						
Has a trend analysis been performed	? 🗌 Yes	s 🗌 1	No			
If a trend analysis has been done, wh	at do the results indi	cate?				
	~~~~	~~~~~				
CORROSION CONTROL AND MONITORING						
EXTERNAL CORROSION						
Are the field piping and related stora	ge field facilities cat	hodically protecte	ed? (49 CFR 192 Subpa	urt I) Yes	🗌 No	
Type(s) of cathodic protection used:	🗌 Imj	pressed Current	Galv	vanic Anodes	Combination	
Criteria used to determine adequate c	athodic protection:					
Does the field piping system contain	any bare or ineffecti	vely coated pipe?	Yes	🗌 No		

Location(s) of the bare or ineffectively coated pipe:						
Amount of bare of ineffectively coated pipe:						
Are corrosion monitoring	procedures establis	hed for the field pipir	ng and related storage field facilities?	Yes	🗌 No	
MONITORING						
Pipe-to-soil readings Close interval surveys Line current surveys	☐ Yes ☐ Yes ☐ Yes	☐ No ☐ No ☐ No	Exposed pipe reports Leak surveys Instrumented inspection surveys	☐ Yes ☐ Yes ☐ Yes	☐ No ☐ No ☐ No	
Remedial measures taken t	to mitigate corrosi	on:				

INTERNAL CORROSION					
Are corrosion monitoring procedures established for the field piping	and related storage field facilities?	Yes	🗌 No		
MONITORING					
Corrosion couponsYesNoGas samplesYesNoWater samplesYesNoSolids samplesYesNo	Pipe replacement reports surveys Leak surveys Instrumental inspection surveys	<ul><li>Yes</li><li>Yes</li><li>Yes</li></ul>	□ No □ No □ No		
CORROSION COUPONS					
Frequency coupons are analyzed:					
Location(s) where coupons are installed:					
GAS SAMPLES					
Frequency of sampling:					
Location(s) where the samples taken:					
Are the gas samples analyzed for:	Amount of the following present in	the gas:			
Carbon dioxide $(CO_2)$ Yes No	Carbon dioxide (CO <sub>2</sub> )				
Hydrogen sulfide $(H_2S)$ Yes No	Hydrogen sulfide (H <sub>2</sub> S)		_		
Oxygen $(O_2)$ Yes No	Oxygen $(O_2)$				
Water vapor Yes No	Water vapor				
What carbon dioxide (CO <sub>2</sub> ) partial pressure criteria are used to establish	blish carbon dioxide (CO <sub>2</sub> ) corrosivity ranges?				
What is the carbon dioxide (CO <sub>2</sub> ) corrosivity ranges?					
What is the carbon dioxide (CO <sub>2</sub> ) partial pressure?					
WATER/LIQUIDS SAMPLES					
Frequency of sampling:					
Locations where the samples are taken:					
What constituents are the water samples analyzed for? (Refer to the	e Water Analysis Checklist)				
Concentration of the following present in water:	Amount of the following gases disso	olved in the water:			
Iron (Fe <sup>++</sup> )	Carbon dioxide (CO <sub>2</sub> )				
Manganese (Mn <sup>++</sup> )	Hydrogen sulfide (H <sub>s</sub> S)				
Chlorides (Cl <sup>-</sup> )	Oxygen (O <sub>2</sub> )				
Sulfates (SO <sub>4</sub> <sup>=</sup> )					
Is the pH of the water below 6.8?  Yes No					
Is hydrostatic test water sampled for the presence of bacteria?  Yes No					

INTERNAL CORROSION
Are liquids tested for evidence of excessive glycol in the pipeline, which if deteriorated, could lower the pH? 🗌 Yes 🗌 No
SOLIDS SAMPLES (collected at pig receivers)
Frequency of sampling:
Locations where the samples taken:
Are solids observed and/or tested for the following components?
Iron Oxide  Yes No Scales  Yes No
Iron Sulfide Yes No Sand Yes No
Is the volume of solids increasing or decreasing between pig runs?
Comments:
INSTRUMENTED INSPECTION SURVEYS
Frequency surveys are conducted:
Lines that have been surveyed and when the survey was conducted:
INHIBITOR PROGRAM
Has a corrosion inhibitor program been established for the field piping and related storage field facilities? 🗌 Yes 🗌 No
When did the program start?
Type(s) of treatment method used:
Type(s) of inhibitors used:
Are liquid samples periodically taken to test for residual corrosion inhibitor, to help determine effectiveness?
MAINTENANCE PIGGING (See also solids and water sampling, inhibitor sections)
Does operator have a maintenance pigging program designed to sweep the lines of sediments and/or scale? 🗌 Yes 🗌 No
Does operator adhere to the pigging program?  Yes No
Comments:

CONTROLLING GAS VELOCITY -	INTERNAL CORROSION AND ERO	SION	
Have target flow rates been determined for the field piping system?	Yes	🗌 No	
Are injection/withdrawal flow rates kept within the targeted flow rates, to m	inimize sediment and water build-up, and	to manage erosion?	
Has erosion been observed during replacement of components (lines, valves	s, fittings, etc.)?	s 🗌 No	
Locations where erosion has been found:			
Remedial measures taken to mitigate erosion:			
ATMOSPHERI	C CORROSION		
Are corrosion monitoring procedures established for the field piping and rel	ated storage field facilities?	Yes	🗌 No
Location(s) where corrosion has been found:			
Remedial measures taken to mitigate corrosion:			
SAFETY DEVICE	ES and SYSTEMS		
SURFACE	FACILITIES		
Has a system safety analysis of the field piping and related storage facilities	been performed:	Yes	🗌 No
Has a safety analysis function evaluation chart for the field piping and relate	ed storage field facilities been prepared?	Yes	🗌 No
PRESSURE SAFETY DEVICES:			
COMPRESSORS			
Is each compressor, per 49 CFR 192.169, equipped with pressure safety dev	vices for overpressure protection?	Yes	🗌 No
Pressure protection provided by:	Location of pressure safety devices:		
Primary	Primary		
Secondary	Secondary		
PRESSURE VESSELS			
Is the working pressure of each pressure vessel (dehydrator, scrubber, etc.)	greater than the MAOP?	Yes	🗌 No
Is each pressure vessel equipped with pressure safety devices for overpressu	re protection?	Yes	🗌 No
Pressure protection provided by:	Location of pressure safety devices:		
Primary	Primary		
Secondary	Secondary		
HEADERS, LATERALS and WELL LINES			
Are the headers, laterals and well lines equipped with pressure safety device	es for overpressure protection?	Yes	🗌 No

SURFACE FACILITIES											
Pressure protection provided by:	Location of pressure	safety devices:									
Primary	Primary										
Secondary	Secondary										
GAS DETECTION SAFETY DEVICES:											
Is each compressor, per 49 CFR 192.736, building equipped with gas detect	tion safety devices?		Yes	🗌 No							
Are other buildings that contain gas handling equipment equipped with gas	detection safety device	es?	Yes	🗌 No							
Type(s) of gas detection safety devices:  Combustible gas (L.E.L.)	Hydrogen Sulfi	ide (H <sub>2</sub> S)	Other:								
Type(s) of alarms used to notify personnel to the presence of gas:	Visual	Audible	Combination								
FIRE DETECTION SAFETY DEVICES:											
Is each compressor building equipped with fire detection safety devices?		Yes	🗌 No								
Are other buildings that contain gas handling equipment equipped with fire	es:	Yes	🗌 No								
Type(s) of fire detection safety devices:         Image: Flame       Image: Heat         Image: Other:       Smoke	Fusi	ble Material									
Type(s) of alarms used to notify personnel to the presence of fire:         Visual       Audible	on										
EMERGENCY SHUTDOWN SYSTEM:											
Is each compressor station, per 49 CFR 192.167, equipped with a remote co	ntrolled emergency sh	utdown system?	Yes	🗌 No							
Does the gas detection system activate the compressor station emergency sh	utdown system?		Yes	🗌 No							
Does the fire detection system activate the compressor station emergency sh	nutdown system?		Yes	🗌 No							
		<u> </u>									
Is each well equipped with a well storage safety valve?	∐ Yes	∐ No									
If not, are there plans to equip each well with a well storage safety valve?	Yes	No No									
Reasons why wells should not be equipped with well storage safety valve(s)	)?										

ADDITIONAL COMMENTS

Constitu	ront		)perator for	Operator's	Constit			Does O test f			Operator's
Constitu	lent	Yes	No	"threshold"	Constr	lue	m	Yes No			"threshold"
Sodium	Na <sup>+</sup>				Chloride		Cl				
Potassium	$\mathbf{K}^+$				Sulfate		$SO_4^{=}$				
Calcium	Ca <sup>++</sup>				Carbonate		$\text{CO}_3^{=}$				
Magnesium	Mg <sup>++</sup>				Bicarbonate		HCO <sub>3</sub> -				
Iron	Fe <sup>++</sup>				Hydroxide		OH				
Barium	Ba <sup>++</sup>				Dissolved Oxygen		O <sub>2</sub>				
Strontium	Sr <sup>++</sup>				Dissolved Carbon Dioxide		CO <sub>2</sub>				
Manganese	Mn <sup>++</sup>				Dissolved Hydrogen Sulfide		H <sub>2</sub> S				

#### WATER ANALYSIS CHECKLISTS

Other	Does Operator test for		Operator's "threshold"	Other	Does O test fo	perator or	Operator's "threshold"
	Yes	No			Yes	No	tinesnota
Acidity				Alkalinity			
pH				Salinity			
Total Dissolved Solids (TDS)				Acid-producing Bacteria			
Sulfate-reducing Bacteria							

Excessive values of the above-listed constituents and properties, dependent upon operating conditions and other factors that may be unique to the storage field, could indicate a corrosive condition in the pipeline.

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	Installed or replaced before 05/23/07).         Valve Protection from Tampering or Damage         Cathodic Protection         Rectifiers         Pipeline Components Exposed to the Atmosphere         Knowledge of Operating Personnel         ROW Markers, Road and Railroad Crossings         Pre-pressure Tested Pipe (Markings and Inventory)         .743         Pressure Limiting and Regulating Devices (spot-check field installed equipment vs. inspection records)         Valve Maintenance			N/A	N/C
.143/(b)/.476					
.179	Valve Protection from Tampering or Damage				
.463	Cathodic Protection				
.465	Rectifiers				
.479	Pipeline Components Exposed to the Atmosphere				
.605	Knowledge of Operating Personnel				
.707	ROW Markers, Road and Railroad Crossings				
.719	Pre-pressure Tested Pipe (Markings and Inventory)				
.739/.743	Pressure Limiting and Regulating Devices (spot-check field installed equipment vs. inspection records)				
.745	Valve Maintenance				
.751	Warning Signs				
.801809	Operator Qualification - Use PHMSA Form 15 Operator Qualification Field Inspection Protocol Form				

**Comments:** 

	COMPRESSOR STATIONS INSPECTION (Field) (Note: Facilities may be "Grandfathered")         b)/.476       Design and construction of new and replaced transmission line and components (excludes offshore or facilities installed or replaced before 05/23/07).			N/A	N/C
	(Note: Facilities may be "Grandfathered")	S	U	$1 \mathbf{V} / \mathbf{A}$	11/0
.143/(b)/.476	Design and construction of new and replaced transmission line and components (excludes offshore or facilities installed or replaced before 05/23/07).				
.163 (c)	Main operating floor must have (at least) two (2) separate and unobstructed exits				
	Door latch must open from inside without a key				
	Doors must swing outward				
(d)	Each fence around a compressor station must have (at least) 2 gates or other facilities for emergency exit				
	Each gate located within 200 ft of any compressor plant building must open outward				
	When occupied, the door must be opened from the inside without a key				
(e)	Does the equipment and wiring within compressor stations conform to the <b>National Electric Code</b> , <b>ANSI/NFPA 70</b> ?				
.165(a)	If applicable, are there liquid separator(s) on the intake to the compressors?				
.165(b)	Do the liquid separators have a manual means of removing liquids?				
	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?				
.167(a)	ESD system must:		•		
	- Discharge blowdown gas to a safe location				
	- Block and blowdown the gas in the station				
	- Shut down gas compressing equipment, gas fires, electrical facilities in compressor building and near gas headers				
	<ul> <li>Maintain necessary electrical circuits for emergency lighting and circuits needed to protect equipment from damage</li> </ul>				
	ESD system must be operable from at least two locations, each of which is:				
	- Outside the gas area of the station				
	- Not more than 500 feet from the limits of the station				

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	COMPRESSOR STATIONS INSPECTION (Field)					
	(Note: Facilities may be "Grandfathered")	S	U	IN/A	N/C	
	- ESD switches near emergency exits?					
.167 (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?					
.167(c)	Are ESDs on platforms designed to actuate automatically by					
	- For unattended compressor stations, when:					
	The gas pressure equals MAOP plus 15%?					
	An uncontrolled fire occurs on the platform?					
	- For compressor station in a building, when					
	An uncontrolled fire occurs in the building?					
	<ul> <li>Gas in air reaches 50% or more of LEL in a building with a source of ignition (facility conforming to NEC Class 1, Group D is not a source of ignition)?</li> </ul>					
.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.					
(b)	Do the compressor station prime movers (other than electrical movers) have over-speed shutdown?					
(c)	Do the compressor units alarm or shutdown in the event of inadequate cooling or lubrication of the unit(s)?					
(d)	Are the gas compressor units equipped to automatically stop fuel flow and vent the engine if the engine is stopped for any reason?					
(e)	Are the mufflers equipped with vents to vent any trapped gas?					
.173	Is each compressor station building adequately ventilated?					
.457	Is all buried piping cathodically protected?					
.481	Atmospheric corrosion of aboveground facilities					
.603	Does the operator have procedures for the start-up and shut-down of the station and/or compressor units?					
	Are facility maps current/up-to-date?					
.615	Emergency Plan for the station on site?					
.619	Review pressure recording charts and/or SCADA					
.707	Markers					
.731	Overpressure protection – reliefs or shutdowns					
.735	Are combustible materials in quantities exceeding normal daily usage, stored a safe distance from the compressor building?					
	Are aboveground oil or gasoline storage tanks protected in accordance with NFPA standard No. 30?					
.736	Gas detection – location					

**Comments:** 

	REPORTING PERFORMANCE AND RECORDS	S	U	N/A	N/C
191.5	Telephonic reports to NRC (800-424-8802)				
191.15	Written incident reports; supplemental incident reports (DOT Form RSPA F 7100.2)				
191.17 (a)	Annual Report (DOT Form RSPA F 7100.2-1)				
191.23	Safety related condition reports				
192.727 (g)	Abandoned facilities offshore, onshore crossing commercially navigable waterways reports				

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	Welder Qualification       V41 (a)     Visual Weld Inspector Training/Experience				
.225	Test Results to Qualify Welding Procedures				
.227	Welder Qualification				
.241 (a)	Visual Weld Inspector Training/Experience				
.243 (b)(2)	Nondestructive Technician Qualification				
(c)	NDT procedures				
(f)	Total Number of Girth Welds				
(f)	Number of Welds Inspected by NDT				
(f)	Number of Welds Rejected				
(f)	Disposition of each Weld Rejected				
.303	Construction Specifications				
.325	Underground Clearance				
.327	Amount, Location, Cover of each Size of Pipe Installed				
.455	Cathodic Protection				

	OPE	RATIONS and MAINTENANCE PERF	ORMANCE AND RECORDS	S	U	N/A	N/0		
.603(b)	.605(a)	Procedural Manual Review - Operations and	Maintenance (1 per yr/15 months)						
.603(b)	.605(c)	Abnormal Operations							
.603(b)	.605(b)(3)	Availability of construction records, maps, or	perating history to operating personnel						
.603(b)	.605(b)(8)	Periodic review of personnel work - effective	eness of normal O&M procedures						
.603(b)	.605(c)(4)	Periodic review of personnel work - effective	eness of abnormal operation procedures						
.709	.614	Damage Prevention (Miscellaneous)							
.709	.609	Class Location Study (If Applicable)							
.603(b)	.615(b)(1)	Location Specific Emergency Plan							
.603(b)	.615(b)(2)	Emergency Procedure training, verify effective	veness of training						
.603(b)	.615(b)(3)	.615(b)(3) Employee Emergency activity review, determine if procedures were followed.							
.603(b)	.615(c)	Liaison Program with Public Officials							
.605(a)	.616	Public Awareness Program also in accordance	e with API RP 1162						
		Program requirements - Stakeholder Audien method and frequency, supplemental enhance mailing rosters, postage receipts, return rece emergency responder, public officials, school below:	cts implementation of operator's Public Awareness ce identification, message type and content, delivery ements, program evaluations, etc. (i.e. contact or ipts, audience contact documentation, etc. for ol superintendents, program evaluations, etc.). See table						
	2000.50	API RP 1162 Baseline* Recom	mended Message Deliveries						
	Stakeh	older Audience (Natural Gas Transmission Line Operators)	Baseline Message Frequency (starting from effective date of Plane)						
	Resident Congrega	s Along Right-of-Way and Places of ation	2 years						
	Emergency Officials Annual								
	Public O	fficials	3 years						
	Excavator and Contractors Annual								
	One-Call	Centers	As required of One-Call Center						

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	Stakeho	older Audience (Gathering Li	ne Operators)		age Frequency ctive date of Plane)			
	Resident	s and Places of Congregation		Annual				
	Emergen	cy Officials		Annual				
	Public O			3 years				
	Excavato	rs and Contractors		Annual				
	One-Call	Centers		As required of One-Call	Center			
	* Refer t	o API RP 1162 for additional re	equirements, inclu	-				
		ental requirements, recordkeepi						
	.616(g)	The program conducted in number of the population in			understood by a significant			
.517		Pressure Testing	<b>1</b>					
.709	.619	Maximum Allowable Opera	ting Pressure (MA	AOP)				
.709	.625	Odorization of Gas	0	,				
.709	.705	Patrolling (Refer to Table B	Below)					
		Class Location	At Highway a	nd Railroad Crossings	At All Other Places			
		1 and 2	2/yr	(7½ months)	1/yr (15 months)			
		3		(4½ months)	2/yr (7½ months)			
		4	4/yr	(4 <sup>1</sup> / <sub>2</sub> months)	4/yr (4½ months)			
.709	.706	Leak Surveys (Refer to Tab	ole Below)					
		Class Location	I	Required	Not Exceed			
		1 and 2		1/yr	15 months	_		
		3		2/yr*	7½ months	_		
		4		4/yr*	4 <sup>1</sup> / <sub>2</sub> months			
	.727	a detector equipment survey re Abandoned Pipelines; Under						<u> </u>
.603b/.727g		<b>.</b> ·		1				—
.603b/.727g .709	.731(a)	Compressor Station Relief D	ompressor Station Relief Devices (1 per yr/15 months)					
	.731(a) .731(c)							
.709 .709	.731(c)	Compressor Station Emerge	ncy Shutdown (1	per yr/15 months)				
709 709 709	.731(c) .736(c)	Compressor Station Emerger Compressor Stations – Deter	ncy Shutdown (1 ction and Alarms	per yr/15 months) (Performance Test)				
.709	.731(c) .736(c) .739	Compressor Station Emerge Compressor Stations – Detec Pressure Limiting and Regul	ncy Shutdown (1 ction and Alarms lating Stations (1	per yr/15 months) (Performance Test) per yr/15 months)	15)			
709 709 709 709 709 709	.731(c) .736(c)	Compressor Station Emerge Compressor Stations – Detec Pressure Limiting and Regul Pressure Limiting and Regul	ncy Shutdown (1 ction and Alarms lating Stations (1 lator Stations – C	per yr/15 months) (Performance Test) per yr/15 months)	ns)			
.709 .709 .709 .709 .709	.731(c) .736(c) .739 .743 .745	Compressor Station Emerge Compressor Stations – Detec Pressure Limiting and Regul Pressure Limiting and Regul Valve Maintenance ( <b>1 per y</b>	ncy Shutdown (1 ction and Alarms lating Stations (1 lator Stations – C <b>r/15 months</b> )	per yr/15 months) (Performance Test) per yr/15 months) apacity (1 per yr/15 month	IS)			
.709 .709 .709 .709 .709 .709 .709 .709	.731(c) .736(c) .739 .743 .745 .749	Compressor Station Emerge Compressor Stations – Detec Pressure Limiting and Regul Pressure Limiting and Regul Valve Maintenance (1 per y Vault Maintenance (≥200 cm	ncy Shutdown (1 ction and Alarms lating Stations (1 lator Stations – C r/15 months) labic feet)(1 per y	per yr/15 months) (Performance Test) per yr/15 months) apacity (1 per yr/15 month r/15 months)	ıs)			
709 709 709 709 709 709 709 709 709 709	.731(c) .736(c) .739 .743 .745 .749 .751	Compressor Station Emerge Compressor Stations – Detec Pressure Limiting and Regul Pressure Limiting and Regul Valve Maintenance ( <b>1 per y</b> Vault Maintenance ( <b>≥200 cu</b> Prevention of Accidental Igr	ncy Shutdown (1 ction and Alarms lating Stations (1 lator Stations – C r/15 months) labic feet)(1 per y	per yr/15 months) (Performance Test) per yr/15 months) apacity (1 per yr/15 month r/15 months)	<b>1</b> S)			
709 709 709 709 709 709 709 709 709 709	.731(c)         .736(c)         .739         .743         .745         .749         .751         .225(b)	Compressor Station Emerge Compressor Stations – Detec Pressure Limiting and Regul Pressure Limiting and Regul Valve Maintenance ( <b>1 per y</b> Vault Maintenance ( <b>≥200 ct</b> Prevention of Accidental Igr Welding – Procedure	ncy Shutdown (1 ction and Alarms lating Stations (1 lator Stations – C <b>r/15 months</b> ) <b>ibic feet</b> )(1 <b>per y</b> hition (hot work p	per yr/15 months) (Performance Test) per yr/15 months) apacity (1 per yr/15 month r/15 months)	ns)			
.709 .709 .709 .709 .709 .709 .709 .709	.731(c) .736(c) .739 .743 .745 .749 .751 .225(b) .227/.229	Compressor Station Emerge Compressor Stations – Detec Pressure Limiting and Regul Pressure Limiting and Regul Valve Maintenance ( <b>1 per y</b> Vault Maintenance ( <b>&gt;200 cu</b> Prevention of Accidental Igr Welding – Procedure Welding – Welder Qualifica	ncy Shutdown (1 ction and Alarms lating Stations (1 lator Stations – C r/15 months) libic feet)(1 per y hition (hot work p	per yr/15 months) (Performance Test) per yr/15 months) apacity (1 per yr/15 month r/15 months)	IS)			
709 709 709 709 709 709 709 709 709 709	.731(c)         .736(c)         .739         .743         .745         .749         .751         .225(b)	Compressor Station Emerge Compressor Stations – Detec Pressure Limiting and Regul Pressure Limiting and Regul Valve Maintenance ( <b>1 per y</b> Vault Maintenance ( <b>≥200 ct</b> Prevention of Accidental Igr Welding – Procedure	ncy Shutdown (1 ction and Alarms lating Stations (1 lator Stations – C r/15 months) libic feet)(1 per y hition (hot work p tion lification	per yr/15 months) (Performance Test) per yr/15 months) apacity (1 per yr/15 month r/15 months)	IS)			

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.

**Comments:** 

		CORROSION CONTROL PERFORMANCE AND RECORDS	S	U	N/A	N/C
.491	.491(a)	Maps or Records				
.491	.459	Examination of Buried Pipe when Exposed				
.491	.465(a)	Annual Pipe-to-soil Monitoring (1 per yr/15 months)				
.491	.465(b)	Rectifier Monitoring (6 per yr/2 <sup>1</sup> / <sub>2</sub> months)				
.491	.465(c)	Interference Bond Monitoring – Critical (6 per yr/21/2 months)				
.491	.465(c)	Interference Bond Monitoring – Non-critical (1 per yr/15 months)				
.491	.465(d)	Prompt Remedial Actions				
.491	.465(e)	Unprotected Pipeline Surveys, CP active corrosion areas (1 per 3 cal yr/39 months)				
.491	.467	Electrical Isolation (Including Casings)				
.491	.469	Test Stations – Sufficient Number				
.491	.471	Test Lead Maintenance				
.491	.473	Interference Currents				
.491	.475(a)	Internal Corrosion; Corrosive Gas Investigation				
.491	.475(b)	Internal Corrosion; Internal Surface Inspection; Pipe Replacement				
.476(d)	.476	Internal Corrosion Control: Design and construction of transmission line				
.491	.477	Internal Corrosion Control Coupon Monitoring (2 per yr/71/2 months)				
.491	.481	Atmospheric Corrosion Control Monitoring ( <b>1 per 3 cal yr/39 months onshore</b> ; <b>1 per yr/15 months offshore</b> )				
.491	.483/.485	Remedial: Replaced or Repaired Pipe; coated and protected; corrosion evaluation and actions				

**Comments:** 

Р	ART 199 – DRUG and ALCOHOL TESTING REGULATIONS and PROCEDURES	S	U	N/A	N/(
Subparts A - C	Drug & Alcohol Testing & Alcohol Misuse Prevention Program – Use PHMSA Form # 13, PHMSA				
	2008 Drug and Alcohol Program Check				

#### Recent PHMSA Advisory Bulletins (Last 2 years)

Leave this list with the operator.

<u>Number</u>	<u>Date</u>	Subject
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

For more PHMSA Advisory Bulletins, go to http://ops.dot.gov/regs/advise.htm