

Contact Information

Pamela West

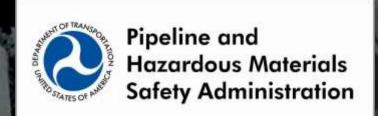
Pipeline Safety Specialist

U.S. Department of Transportation

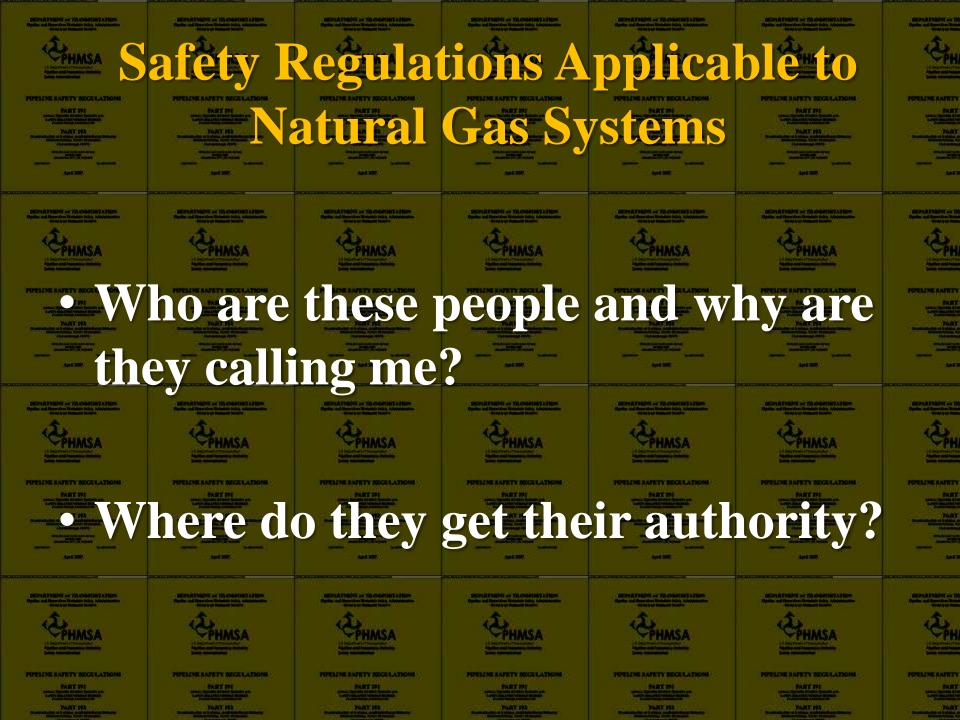
PHMSA Office of Training and Qualifications

Main: (405) 686-2310

My Office: (405) 686-2328

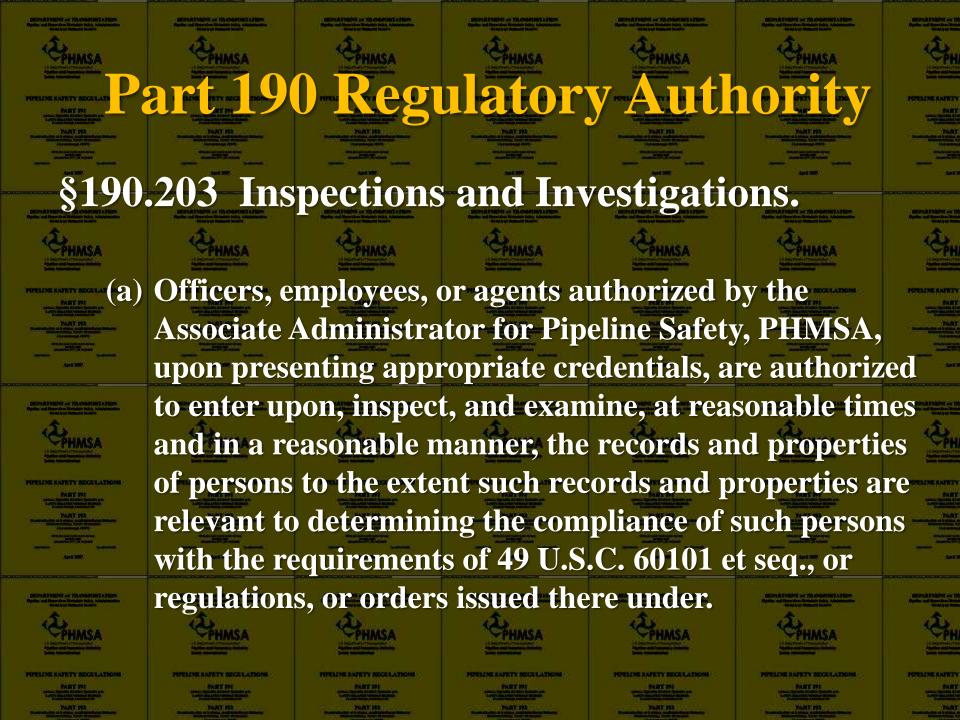


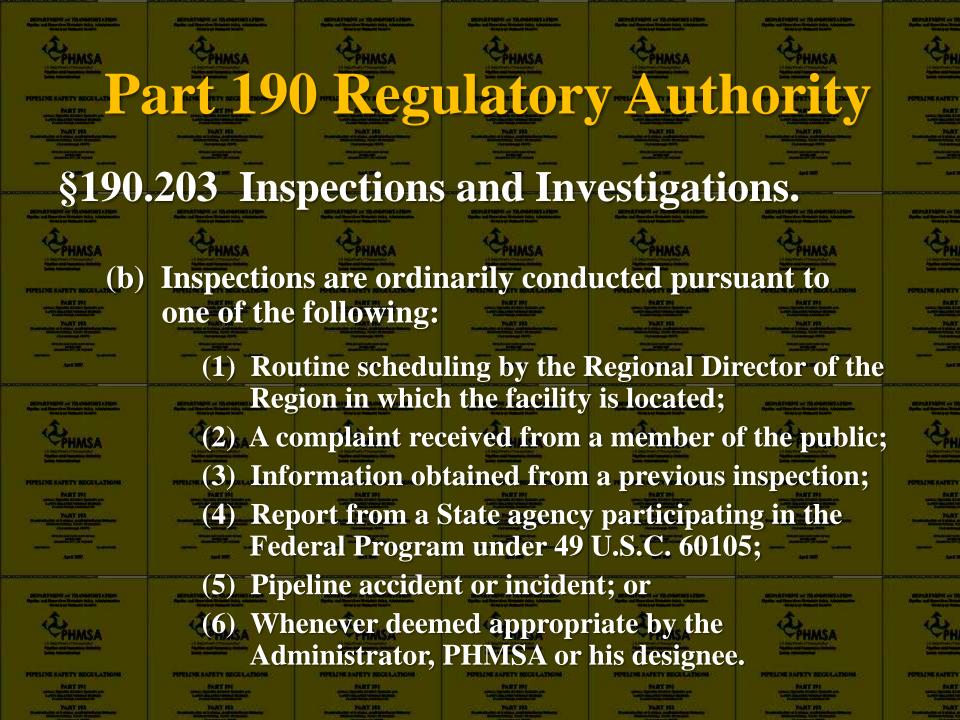
Email: Pamela.West@dot.gov

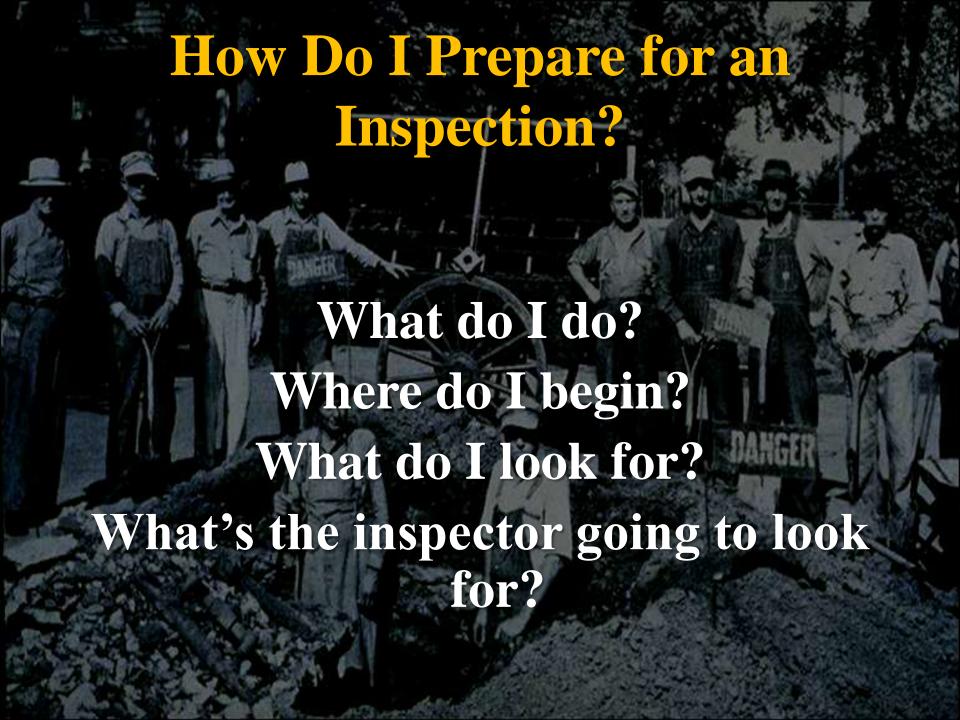












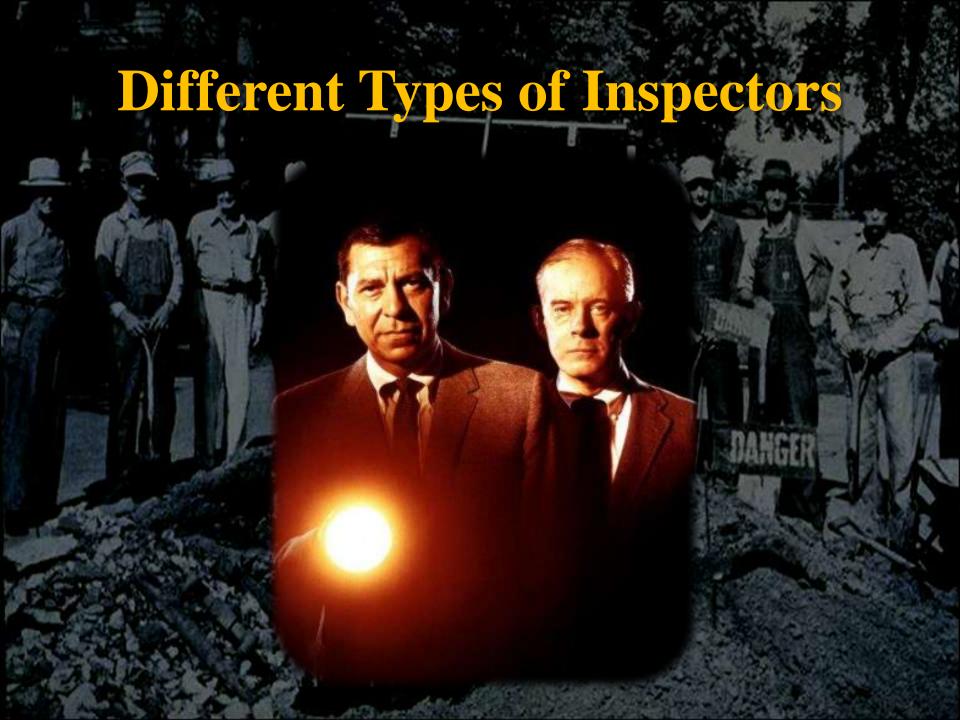


What an inspector will focus on may vary depending on their personality, work background, or recent industry events.

Let's look at a few misconceptions about inspectors.







Where Do I Begin?

- Think like an inspector.
 - Think about code requirements and not just company requirements.
 - Make sure you have current operator name, operator official, address, and contact information.
 - Make sure you have a complete, up-to-date operations and maintenance manual.
 - Does the manual have the right company information?
 - Does the manual have procedures and processes to instruct someone how to safely perform operations and maintenance tasks your system, and do all employees have access to it?
 - Does the manual have procedures for handling emergencies?
 - Emergency response procedures.
 - Actions directed toward people first.

Where Do I Begin?

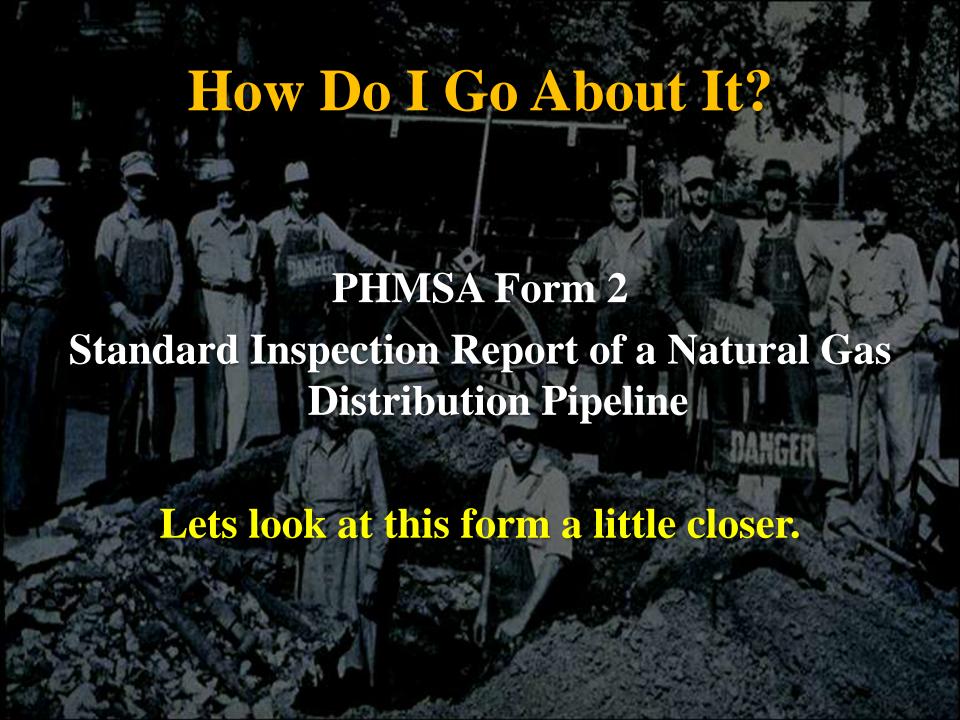
- Think like an inspector.
 - Make sure you have a complete and up-to-date operations and maintenance manual. (Continued)
 - Does your manual have procedures for reporting accidents / incidents and safety related conditions?
 - Make sure you have a complete and up-to-date damage prevention plan.
 - Make sure you have a complete and up-to-date public awareness plan.
 - Does your plan meet the requirements of API Standard 1162?
 - Make sure you have an up-to-date operator qualification plan.
 - Make sure you have an up-to-date drug and alcohol plan.

Where Do I Begin?

- Think like an inspector.
 - Make sure you have all of the records required by the code for your system.
 - Make sure company records contain all code required information for your system.
 - Make sure records are complete and up-to-date.
 - What work was performed? (New Const., Repair, O&M Task)
 - Who performed the work? (Company or Contractor) (OQ)
 - When was the work performed? (Date & Time)
 - Where was the work performed? (System, Line Segment, Station)

How Do I Go About It?

- Use the tools and inspector will use.
 - Use a current and up-to-date code book.
 - Some code books are only updated once a year and are out of date when they are printed.
 - Download the most current code book from the PHMSA website.
 - Use a federal inspection report sheet.
 - You can download a copy of any of the federal inspection sheets from the PHMSA website.
 - Standard, Specialized, Accident, and IMP inspection sheets are all available on the website.



STANDARD INSPECTION REPORT OF A GAS DISTRIBUTION OPERATOR

Name of Operator: OP ID No. 14	V20304 V0 00 000000 0 000
OP ID No. 14	Unit ID No. "
HQ Address:	System Unit Name & Address: (1)
Co. Official: Phone No.: Fax No.: Emergency Phone No.:	Activity Record ID No: Phone No.: Fax No.: Emergency Phone No.:
Persons Interviewed	Title Phone No.
PHMSA Representative(s) (1)	Inspection Date(s) (1)
Company System Maps (Copies for Regi	on Files):
Unit Description	

7	GAS SYSTEM OPERATIO	NS
Gas Supplier	Date:	
Unaccounted for Gas:	Services:	Residential Commercial Industrial Other
Operating Pressure(s):	MAOP (Within last year)	Actual Operating Pressure (At time of Inspection)
Feeder:	1	Accessors of Parks of
Town:		
Other:	76	
Does the operator have any transmission pipelin	es?	*
For compressor station inspections, use Attachn	nent 4.	

49CFR PART 191

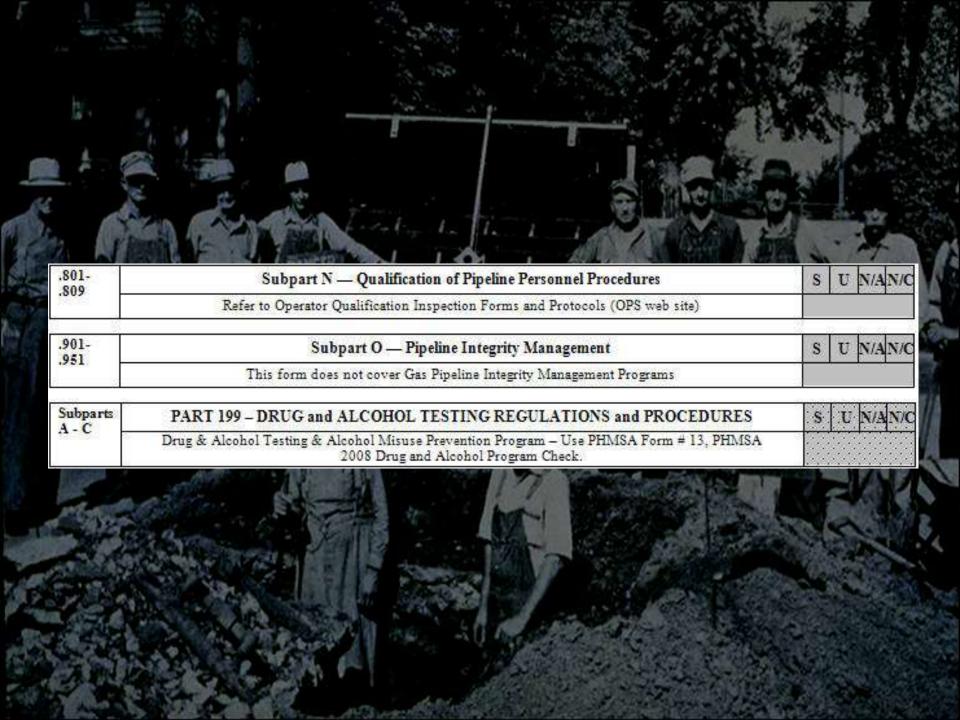
		REPORTING PROCEDURES	s	U	N/A	N/C
5	Procedures	for gathering data for incident reporting				
10000	191.5	Telephonically reporting incidents to NRC (800) 424-8802				
	191.15(a)	30-day follow-up written report (Form 7100-2)	,	,		
	191.15(b)	Supplemental report (to 30-day follow-up)	1 1			1
.605(a)	191.23	Reporting safety-related condition (SRCR)				
	191.25	Filing the SRCR within 5 days of determination, but not later than 10 days after discovery				
.605(d)	Instructions	s to enable operation and maintenance personnel to recognize potential Safety Related Conditions	1			

.615		EMERGENCY PROCEDURES	s	U	N/A N/C
	.615(a)(1)	Receiving, identifying, and classifying notices of events which require immediate response by the operator			
	.615(a)(2)	Establish and maintain communication with appropriate public officials regarding possible emergency			
	.615(a)(3)	Prompt response to each of the following emergencies:		35	å: å: :
		(i) Gas detected inside a building			
		(ii) Fire located near a pipeline			
	33	(iii) Explosion near a pipeline			
		(iv) Natural disaster			
	.615(a)(4)	Availability of personnel, equipment, instruments, tools, and material required at the scene of an emergency			
	.615(a)(5)	Actions directed towards protecting people first, then property			
	.615(a)(6)	Emergency shutdown or pressure reduction to minimize hazards to life or property			
	.615(a)(7)	Making safe any actual or potential hazard to life or property			
	.615(a)(8)	Notifying appropriate public officials required at the emergency scene and coordinating planned and actual responses with these officials			
	.615(a)(9)	Instructions for restoring service outages after the emergency has been rendered safe			
	.615(a)(10)	Investigating accidents and failures as soon as possible after the emergency			
	.615(b)(1)	Furnishing applicable portions of the emergency plan to supervisory personnel who are responsible for emergency action			
	.615(b)(2)	Training appropriate employees as to the requirements of the emergency plan and verifying effectiveness of training			
	.615(b)(3)	Reviewing activities following emergencies to determine if the procedures were effective			
	.615(e)	Establish and maintain liaison with appropriate public officials, such that both the operator and public officials are aware of each other's resources and capabilities in dealing with gas emergencies			
100	THE R. LEWIS CO., LANSING, LAN	THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS	4.00	The Late of	CARL CARS

			S AND SOUTH				
.605(a)	MAOP PROCED	URES	2.5	s	U	N/A	N/C
33	619 Establishing MAOP so that it is commensurate v	vith the class location	**				
92	MAOP cannot exceed the lowest of the following:						
3	(a)(1) Design pressure of the weakest element						1100
. 8	(a)(2) Test pressure divided by applicable factor		9	100			鵩
.605(a)	MAOP PROCED	URES		s	U	N/A	N/C
6	(a)(3) The highest actual operating pressure to which years preceding the applicable date in second column. 619(a)(2) after the applicable date in the third column.	n, unless the segment was tested	according to				
	Pipeline segment	Pressure date	Test date				
	 Onshore transmission line that was a gathering line not subject before March 15, 2006. 	to this part March 15, 2006, or date line becomes subject to this part, whichever is later.	years preceding applicable date in second column.				
	All other pipelines.	July 1, 1970. J	uly 1, 1965.				
15	(a)(4) Maximum safe pressure determined by operato	PD 92 92	PW - 241		Carried State		Carrier I
8	(b) Overpressure protective devices must be installed			-			-
8	(c) The requirements on pressure restrictions in this	W. 15 U - 15 E	ouring instance An	-	1 10		100
	operator may operate a segment of pipeline four operating and maintenance history, at the highest subjected during the 5 years preceding the applicable (a)(3) of this section. An operator must still comply v	nd to be in satisfactory conditi- actual operating pressure to which date in the second column of the	on, considering its the segment was				
9	.621 MAOP - High Pressure Distribution Systems Note: New PA-11 design criteria is incorporated is 2008)	nto 192.121 & .123, (Final Rule	Pub. 24 December,				
	.623 Max./Min. Allowable Operating Pressure - Low Pre	sure Distribution Systems					

.605(b)	-			1000	V 200	-			
.005(0)	8599		LLING & LEAKAGE SURVEY PROCEDURES	S	U	N/A	N/C		
	721(a)	failure or leakage (i.e., consider cast	be determined by the severity of the conditions which could cause iron, weather conditions, known slip areas, etc.)						
	.721(b)	Mains in places or on structures v failure or leakage must be patrolled.	where anticipated physical movement or external loading could cause						
	(b)(1)	In business districts at intervals not and	t exceeding 4½ months, but at least four times each calendar year,						
15	(b)(2)	Outside business districts at intervals	not exceeding 7½ months, but at least twice each calendar year						
	.723(a) & (b)	Periodic leak surveys determined by	y the nature of the operations and conditions.						
1:	(b)(1) In business districts as specified, 1/yr (15 months)								
3	(b)(2)		fied, once every 5 calendar years/63 mos.; for unprotected lines process are impractical, once every 3 years/39 mos.						
.605(b)		PRESSURE LIMITING and R	EGULATING STATION PROCEDURES	S	U	N/A	N/C		
	.739(a)	Inspection and testing procedures for postations and equipment (1 per yr/15 m	ressure limiting stations, relief devices, pressure regulating onths)						
		(1) In good mechanical condition							
		 Adequate from the standpoint of c employed 	capacity and reliability of operation for the service in which it is		0.00				
		 Set to control or relieve at correct pressures consistent with .201(a), except for .739(b). 							
	oper.	Properly installed and protected from dirt, liquids, and other conditions that may prevent proper							
	.739(b)	or steel lines if MAOP is determined per .619(c) and the MAOP is 60 psi (414 kPa) gage or more					-		
	3	If MAOP produces hoop stress that	Then the pressure limit is:						
		Is greater than 72 percent of SMYS	MAOP plus 4 percent		0.0	5 3	9.8		
		Is unknown as a percent of SMYS	A pressure that will prevent unsafe operation of the pipeline considering its operating and maintenance history and MAOP						
	.741	Telemetering or Recording Gauges							
	,	(a) In place to indicate gas pressure in	n the district that is supplied by more than one regulating station						
		(b) Determine the need in a distribution	on system supplied by only one district station	8 8					
	9	(c) Inspect equipment and take correct pressure	ctive measures when indications of abnormally high or low				1 8		
	.743	Testing of Relief Devices							
	.743 (a) Capacity must be consistent with .2	01(a) except for .739(b), and be determined 1 per yr/15 mo.						
	0	 If calculated, capacities must be corequired. 	ompared; annual review and documentation are						
	(ditional devices must be installed to provide required capacity.						

1. 6. 9			262		
2012.0	WELDING AND WELD DEFECT REPAIR/REMOVAL PROCEDURES	s	U	N/A	N/C
227	(a) Welders must be qualified by Section 6 of API 1104 (19th ed. 1999, 10/31/01 errata) or Section IX of ASME Boiler and Pressure Code (2004 ed. Including addenda through July 1, 2005) See exception in 227(b).				
	(b) Welders may be qualified under section I of Appendix C to weld on lines that operate at < 20% SMYS.	100			m
229	 (a) To weld on compressor station piping and components, a welder must successfully complete a destructive test 				
	(b) Welder must have used welding process within the preceding 6 months	(83)			鳳
	(c) A welder qualified under 227(a)-				,
229(c)	(1) May not weld on pipe that operates at ≥ 20% SMYS unless within the preceding 6 calendar months the welder has had one weld tested and found acceptable under the sections 6 or 9 of API Standard 1104; may maintain an ongoing qualification status by performing welds tested and found acceptable at least twice per year, not exceeding 7% months; may not requalify under an earlier referenced edition.	100			爾
	(2) May not weld on pipe that operates at < 20% SMYS unless is tested in accordance with 229(c)(1) or requalifies under 229(d)(1) or (d)(2).				
	(d) Welders qualified under 227(b) may not weld unless:	200		9 20	
	(1) Requalified within 1 year/15 months, or				
	(2) Within 7% months but at least twice per year had a production weld pass a qualifying test	腦			鯔
231	Welding operation must be protected from weather	603			
233	Miter joints (consider pipe alignment)	100			鵩
235	Welding preparation and joint alignment	100			顯
241	(a) Visual inspection must be conducted by an individual qualified by appropriate training and experience to ensure:	ins			m
	(1) Compliance with the welding procedure	88			腦
	(2) Weld is acceptable in accordance with Section 9 of API 1104	100			職
	(b) Welds on pipelines to be operated at 20% or more of SMYS must be nondestructively tested in accordance with 192 243 except welds that are visually inspected and approved by a qualified welding inspector if:	ma			
	(1) The nominal pipe diameter is less than 6 inches, or	100			酮
-0500	(2) The pipeline is to operate at a pressure that produces a hoop stress of less than 40% of SMYS and the welds are so limited in number that nondestructive testing is impractical	100			
241	(c) Acceptability based on visual inspection or NDT is determined according to Section 9 of API 1104. If a girth weld is unacceptable under Section 9 for a reason other than a crack, and if Appendix A to API 1104 applies to the weld, the acceptability of the weld may be further determined under that appendix.	1000			
V20.0-	Repair and Removal of Weld Defects				
245	(a) Each weld that is unacceptable must be removed or repaired. Except for offshore pipelines, a weld must be removed if it has a crack that is more than 8% of the weld length	100			m



题 人			30	41.	
	PIPELINE INSPECTION (Field)	S	U	N/A	N/
179	Valve Protection from Tampering or Damage				
463	Cathodic Protection				
465	Rectifiers				
476	Systems designed to reduce internal corrosion				
479	Pipeline Components Exposed to the Atmosphere				
605	Knowledge of Operating Personnel				
.707	ROWMarkers, Road and Railroad Crossings		9		
.719	Pre-pressure Tested Pipe (Markings and Inventory)				
741	Telemetering, Recording gauges	1 2	1 2		
739/.743	Pressure Limiting and Regulating Devices (spot-check field installed equipment vs. inspection records)				
745	Valve Maintenance				ì
751	Warning Signs				
.801809	Operator Qualification - Use PHMSA Form 15 Operator Qualification Field Inspection Protocol Form		8 8		ì

			37.65 . 3	200	_	
		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	1 7			1 7
.491	.465(a)	Annual Pipe-to-soil Monitoring (1 per yr/15 months) for short sections (10% per year; all in 10 years)				
.491	.465(b)	Rectifier Monitoring (6 per yr/2½ months)				
.491	.465(c)	Interference Bond Monitoring - Critical (6 per yr/2½ months)	9 2			
.491	.465(c)	Interference Bond Monitoring - Non-critical (1 per yr/15 months)				
.491	.465(d)	Prompt Remedial Actions	100			1 7
.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	00			0.00
.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	e 0			
.491	.476 (d)	Internal Corrosion; New system design; Evaluation of impact of configuration changes to existing systems				
.491	.477	Internal Corrosion Control Coupon Monitoring (2 per yr/7½ months)	G ()			- C
.491	.481	Atmospheric Corrosion Control Monitoring (1 per 3 cal yr/39 months onshore; 1 per yr/15 months offshore)				
.491	.483/.485	Remedial: Replaced or Repaired Pipe; coated and protected; corrosion evaluation and actions				

		PHMSA	Form 1 Qu	estion Se	t (IA Eq	uivalent
STA	NDARD INSPECTION	REPORT	OF A GAS	TRANSMI	SSION	PIPELIN
10. Transmission Lines Testing of Remade by welding on transmission lines? (AR.RMP.)	강화 등 사람이 많은 아이를 가게 하는데 그렇게 하는데	the opera	tor properly te	st replacem	ent pipe a	and repair:
192.719(a) (192.719(b))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						
11. Pressure Limiting and Regulatin	g Stations Inspection	on and	Testing (d	etail) Are	e field or b	ench test:
or inspections of regulating stations, pressure limi						
192.739(a) (192.739(b); 192.743)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						
12. Valve Maintenance Transmission	lines (detail) Am fi	old inches	stion and narti	al aparation	of transm	viccion line
valves adequate? (MO.GM.VALVEINSPECT.O) (det		eiu irispec	LIOIT ATTU PATTI	порегасіон	UI LI AIISIII	iissioii iiile
192.745(a) (192.745(b))	Sat+	Sat	Concern	Unsat	NA	NC
Notes		Ť	Tri .			Ti-
	96	-in M	A 6380			201

What Happens When the

Inspection is Over?

The inspector will generally have a meeting

with the operator to close out the inspection.

The inspector will go over their findings with the operator, and describe what is out of compliance with the code (if anything)

and why.

 The inspector will let the operator know what they might expect as a result of the inspection; letter of concern, warning letter,

or violation letter.

What Happens When the

final letter from the state program manager

The inspector is a fact finder and will make

state program manager or PHMSA regional

Inspection is Over?

What the inspector lists as issues found in

the audit may or may not be found in the

or PHMSA regional director.

recommendations to their directors.

• The enforcement authority lies with the

director, and that's who will send the letter.





