

KINDER MORGAN GAS NATURAL DE MEXICO S DE RL DE CV O&M ANNUAL PROGRAM NATURAL GAS PIPELINE SYSTEM

2021

Official Mexican STANDARD NOM-007-ASEA-2016 Transport of Natural Gas, Ethane, and Coal Gas Through Pipelines.

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# ACTIVITY	REFERENCE	EXECUTED	JAN	IUARY		FEBRUARY		MARCH			APRIL	, n	MAY	JI	JNE	JULY	AUGUST	SEPT	EMBER	OCTOBER	N	NOVEMBER	DECEMBER	PROCEDURE
Operation and Maintenance Procedures Manual	10.14	SCHEDULED ACCOMPLISHED																						MX 0000
Pressure control devices, pressure limiters, and pressure		SCHEDULED																						+
2 relief	10.20	ACCOMPLISHED																						MX 0201
Valve Maintenance	10.21	SCHEDULED																						MX 0301
		ACCOMPLISHED																						
4 Continuous Monitoring	10.26	ACCOMPLISHED																						MX 0218
		SCHEDULED																						-
5 Patrolling	10.28.1	ACCOMPLISHED																						MX 0215
6 Leak Detection	10.28.4	SCHEDULED																						MX 0215
Location Type 1 and 2		ACCOMPLISHED																						
7 Leak Detection Location Type 3	10.28.4	ACCOMPLISHED																					+	MX 0215
Inspections and Tests under the responsibility of the		SCHEDULED																						+
Regulated Parties	10.47	ACCOMPLISHED																						MX 0218
9 Testing of Pressure Relief Devices	10.48	SCHEDULED																						MX 0703
	10.40	ACCOMPLISHED																						- INIX 0703
Meter Stations Periodic Maintenance Program	10.50	SCHEDULED			1							+		+									++-	IM 1700
Equipment and instruments for measuring flow,		ACCOMPLISHED SCHEDULED																					++-	+
pressure, and temperature	10.50A	ACCOMPLISHED																						SSPP1006
12 Overpressure Safety Devices	10 FOR	SCHEDULED																						MX 0703
12 Overpressure Safety Devices	10.50B	ACCOMPLISHED																						- IVIX 0703
13 Relay devices and Pressure regulators	10.50C	SCHEDULED																						MX 0703
		ACCOMPLISHED SCHEDULED																						
14 Fire Prevention Equipment	10.50D	ACCOMPLISHED																						MX 0111
Electromechanical equipment and civil works of the	40.505	SCHEDULED																						
15 stations	10.50E	ACCOMPLISHED																						MX 0161
16 Wall-Thickness Measurement	10.55	SCHEDULED																						MX 0903
		ACCOMPLISHED																						
Annual operation, maintenance, safety, and operational safety schedule	10.59	ACCOMPLISHED																					+	IM 1700
Operations and Maintenance Opinion/Dictamen		SCHEDULED																						
by a Verification Unit	10.60	ACCOMPLISHED																						IM 1700
19 Control of External Corrosion:	A3.10.1	SCHEDULED																						MX 0903
Source of electric power		ACCOMPLISHED																						
Control of External Corrosion: Coatings	A3.10.5	ACCOMPLISHED																						MX 0903
Control of External Corrosion:		SCHEDULED																					 	+
Electric potential readings	A3.10.6	ACCOMPLISHED																						MX 0903
Control of External Corrosion:	A3.10.7	SCHEDULED																						MX 0903
System assessment		ACCOMPLISHED		+							\vdash	+		+							\rightarrow	++	+++	
Control of External Corrosion: Metering of Pipeline/Surface Electric Potential	A3.8.1	ACCOMPLISHED			1				+ +	-		+ - -		+	 						++	+	+++	MX 0903
Control of External Corrosion:		SCHEDULED			1																			
Electrical current metering	A3.8.3	ACCOMPLISHED																						MX 0903
25 Control of External Corrosion:	A3.9.1	SCHEDULED												$\perp \perp$									\Box	MX 0903
Monitoring Test Stations		ACCOMPLISHED																						
26 Attention to Leak Reports Emergency Calls	B3.1	ACCOMPLISHED																						MX 0215 MX 0159
		SCHEDULED																						
27 Calibration of Combustible Gas Indicators	B4.2	ACCOMPLISHED																						MX 0215
28 Self-Assessment Leak Monitoring Program	B6.3	SCHEDULED																					4	MX 0215
		ACCOMPLISHED		+										++							\rightarrow	++	+++	
Location Class/Type Assessment	10.18.1	ACCOMPLISHED			1				+ +	-				+	 							+	+++	MX 0220
Determining MAOP 1		SCHEDULED			1										 									
Determining MAOP 10.3	10.18.1	ACCOMPLISHED			L																			MX 0201
Annual Safety Drills	10.17E	SCHEDULED																					\Box	MX 0159
		ACCOMPLISHED																						
* Note: There are no zones in class location 4 or 5	<u> </u>				Perforr	n: David M	oncada		1 1	Revis	sed: Angel Alv	a Lugo	1 1	Δ	uthorized: Guillermo	Lopez							 	

Perform: David Moncada	Revised: Angel Alva Lugo	Authorized: Guillermo Lopez
Signature	Signature	Signature