

	LEVEL 1	LEVEL 2	LEVEL 3
Conditor proper 2. Immed (include safe di location Conditing ignition) 3. Call At with the State State	1 for any Abnormal Operating ion that represents an existing pable hazard to persons or ty. liately remove all persons ling members of the public) to a stance upwind from the on of the Abnormal Operating ion, and eliminate any potential in sources. Imos Energy at 1-866-322-8667 ie following information: e you have a Level 1 condition is location and details of the idition	1. Call Atmos Energy at 1-866-322-8667 with the following information: • State you have a Level 2 condition • State location and details of the condition 2. Call 911 as directed by Atmos Energy or should conditions represent a hazard to persons or property. 3. Continue to monitor the situation if conditions warrant elevate to Level 1.	1. Immediately notify the Atmos Energy Representative responsible for the assigned work activity. 2. Continue to monitor the situation if conditions warrant, elevate level as appropriate.
	ABN	ORMAL OPERATING CONDITIONS	
Covered Task	Task Title	Abnormal Operating Conditions (General)	Reaction Level
		Unplanned Escape of product from a pipeline	1
		Fire or Explosion	1
		Unexplained / Unplanned pressure deviation (increase, decrease, high, low, absent)	2
		Unexplained / Unplanned flow rate deviation (high flow, low flow, no flow)	2
		Pipeline damage (line hit, lightning strikes, tornado, flood, earthquake, etc)	2
M16	Recognize and React to Abnormal Operating Conditions	Activation of a safety device (pressure relief, emergency shut down, high or low pressure alerts, high pressure shut downs, high temperature shutdowns, etc)	2
ı		Unexplained / Unplanned status change of a gas facility (Examples may include: unit start-up, unit shut-down, valve open, valve close, etc.)	3
	NOTE nal Operating Conditions ed in Covered Task M-16	Communications, control system or power interruption or failure	3
may a other	lso apply to many of the Covered Tasks further ned in this Appendix B,	Inadequate odorization or reports of gas odor	3
		Vandalism / Terrorism	3



Covered Task	Task Title	Abnormal Operating Conditions (Task Specific)	Reaction Level
	E01 Welding in a Fixed Position using Manual Metal Arc Weld	Pitted Pipe Surface	3
		Arc Burns	3
		Weather conditions	3
E01 E02		Welding surface oily or contaminated	3
E02	E02 Welding Branch Connections using Manual	Welding undercutting	3
	Metal Arc Weld	Stringer bead evaluation	3
		Welding under high voltage electrical power line	3
		Invasion Tubing	3
-		Release of Testing Sources	3
	Perform non-destructive Test on Steel Welds	Defective welds and flaws in welds	3
E05		Unprotected work area	3
		Poor equipment condition and/or film quality	3
	Visual Inspection of Steel Welds	Defective welds and flaws in welds	3
E06		Extreme wind and cold temperature conditions	3
	Joining or Capping of Polyethylene Pipe with Electrofusion (Coupling Fusion)	Defect on pipe surface	3
		Insufficient Power	3
		Defective fitting or incorrect barcode scan	3
F01		Weather (Rain, snow, temperature, etc.) effects fusion process	3
FUI		Defect on electrofusion joint	3
		Hazardous atmosphere	3
		Electrofusion processor malfunction	3
		Joint fails during pressure test	3



Covered Task	Task Title	Abnormal Operating Conditions (Task Specific)	Reaction Level
	Joining of Polyethylene Pipe	Defect on pipe surface	3
		Insufficient Power	3
		Defective fitting or incorrect barcode scan	3
F02		Weather (Rain, snow, temperature, ect.) effects fusion process	3
102	with Electrofusion (Saddle Fusion)	Defect on electrofusion	3
		Hazardous atmosphere	3
		Electrofusion processor malfunction	3
		Joint fails during pressure test	3
	Joining or Capping of Polyethylene Pipe with Heat Fusion	Defect on pipe surfaces	3
		Fusion iron not operating at proper temperature	3
		Weather (Rain, snow, temperature, ect.) effects fusion process	3
F03		Hazardous atmosphere	3
		Misaligned pipe that can't be adjusted	3
		Unacceptable fusion visually	3
		Joint fails during pressure test	3
	Joining of Polyethylene Pipe with Heat Fusion (Sidewall fusion)	Defect on pipe surfaces	3
F04		Unexpected weather conditions	3
		Contaminates present	3
		Change in work conditions	3
		Hazardous atmosphere	3



Covered Task	Task Title	Abnormal Operating Conditions (Task Specific)	Reaction Level
	F06 Joining of Polyethylene Pipe with Mechanical Compression Collar Fitting F07 Joining of Polyethylene Pipe with Mechanical Coupling (Stab)	Defect on pipe surface	3
		Surface contamination	3
F06		Leaking Fitting	3
F07		Hazardous atmosphere	3
		SDR on pipe and fitting not compatible	3
		Change in work conditions	3
		Defect on pipe surface	3
		Surface contaminated	3
	F08 Joining of Polyethylene Pipe with Bolt-on Tapping Tee	Leaking fitting	3
F08 F09	F09 Joining of Polyethylene	Improper size stiffener	3
	Pipe with Bolted Type Mechanical Fitting	Improper alignment	3
		SDR on Pipe and fitting not compatible	3
		Hazardous atmosphere	3
	Joining of Polyethylene Pipe with Compression Nut Type Mechanical Fitting	Defect on pipe surface	3
		Surface contamination	3
		Leaking Fitting	3
F10		Improperly sized stiffener	3
		SDR on pipe and fitting not compatible	3
		Improper alignment	3
		Hazardous atmosphere	3
F11		Defect on pipe surface	3
		Surface contaminated	3
	Repairing Non PE Plastic Pipe	Leaking fitting	3
		Improperly sized stiffener	3
		Improper alignment	3



Covered Task	Task Title	Abnormal Operating Conditions (Task Specific)	Reaction Level
	Repairing Steel Pipe - Distribution	Hazardous condition exists	3
		Possible ignition sources	3
G01		Static electricity on polyethylene pipe or induced/stray current on steel pipe	3
		Unexpected pipe type, size, depth, condition, or pressure	3
		Unexpected elevation change from one side of bore to the other prior to casing installation.	3
G02	Installing of Underground Casing	Casing shorted during installation.	3
		Damage on carrier pipe	3
	Installation / Excavation of Pipeline	Indications of a presence of non-located buried facilities	3
		Damage to foreign utilities	3
G03		Shifting or unstable soil which may allow pipeline to become unsupported	3
		Damage to pipe	3
		Aboveground facility exposed to vehicular traffic	3
		No regulator or overpressure protection installed to protect against meter overpressure	3
H01	Installing / Replacing Meters	Meter in hazardous location	3
1101	instailing / Replacing Meters	Meter in contact with inlet riser, or ground surface	3
		Meter Leaking	1
		Regulator venting gas or fails lock-up	3
H02	Installing / Replacing Regulators	Operating above or below proper pressure	3
		Inlet pressure is higher or lower than expected	3
H03		Improper pipe size	3
	Installing / Replacing Service Lines	Blowing gas	1
		Damaged Pipe or pipe coating	3
		Fitting defect	3
		Failed pressure test	3



Covered Task	Task Title	Abnormal Operating Conditions (Task Specific)	Reaction Level
		Improper Voltage reading	3
101	Conduct Pipe to Soil Measurements	No reading	3
		Test Station is inaccessible, damaged or missing	3
		Voltage present on rectifier housing	3
		No voltage present	3
102	Monitoring Rectifiers	No amperage present	3
		Improper DC voltage/amperage present	3
		Major increase in pipe to soil readings	3
		Voltage not present	3
103	Monitoring Interference Bonds	Bond broken	3
		Improper reading	3
	Installing or Repairing Impressed Current Systems or Interference Bonds	Rectifier cabinet energized	3
104		Bond case energized	3
		Damage to rectifier or bond	3
	ja .	Pitted pipe wall at thermite connection point	3
	Installing/Penlacing CP Test	Improper shot size	3
105	Installing/Replacing CP Test Leads to Pipe	Powder wet	3
		Wet Cadweld Mold	3
		Pitted Pipe wall at thermite connection point	3
I	Installing Anodes and Insulating	Improper shot size	3
106	Devices	Wet Powder	3
		Wet Cadweld Mold	3
	Inspecting for External Corrosion and Repairing Pipe Coating	External corrosion resulting in excessive wall loss	3
107		A/C voitage	3
		Disbonded or damaged coating	3
		Piping is in contact with foreign structure	3



Covered Task	Task Title	Abnormal Operating Conditions (Task Specific)	Reaction Level
108	Installing, Inspecting and Testing Electrical Isolation Devices	External corrosion on buried piping	3
		Insulation device failure or electrical isolation cannot be obtained	3
100		Shorted to foreign pipelines / structures	3
		Interference currents	3
		Recognize presence of internal moisture and/or bacteria	3
109	Internal Corrosion Control	Internal pipe wall loss	3
		Liquids or solids in line	3
110	Atmospheric Corresion	Gas is escaping as a result of atmospheric corrosion	1
110	Atmospheric Corrosion	Metal loss (corrosion) is observed	3
		Fitting is not rated for MAOP of the line	3
	Tapping Steel Pipelines Under	Coupon not recovered	3
		Pressure above MAOP	3
L01		Unexpected pipe type, pipe size, or pressure	3
LUI	Pressure	Ignition sources	3
		Improper Travel	3
		Damaged or corroded pipe	3
		Failed pressure / leak test	3
		Pipeline is over 1/2 a mile and over 4" in diameter	3
	Activating and Purging / Blowdown Pipelines	Ignition	1
L02		Moisture or other contaminants	3
		Presence of H ₂ S	1
		Missing odorant on odorized systems	3
	Tapping Pipelines Under Pressure with Self-tapping Tee	Pressure above MAOP	3
L04		Fitting failed during tapping process	3
LU4		Malfunctioning self-tapping tee	3
		No presence of gas	3



Covered Task	Task Title	Abnormal Operating Conditions (Task Specific)	Reaction Level
	Tapping PE Pipelines Under Pressure	Tapping Equipment and/or fitting is not rated for MAOP	3
		Coupon not recovered	3
		Pressure above MAOP	3
L07		Unexpected pipe type or pipe size	3
		Ignition source present	3
		Improper travel of tapping tool	3
		Damaged pipe	3
)		Improper surface preparation	3
	Perform Non-Destructive Test	Defects in base metal, flaws in pipe joints/seams and/or insufficient pipe-grade or wall thickness	3
L08	on Steel Pipeline (Properties and Attributes)	Incorrect Procedure used	3
		Poor equipment condition and/or improper calibration	3
	Conducting Pipeline Patrolling Surveys	Structure built over or in direct vicinity of gas line	3
		Abnormal stress / exposed pipeline	3
		Unauthorized taps or vandalism to pipeline	3
M02		Incorrect / damaged pipeline markers	3
		Contacts to above ground foreign structures	3
		Indication of potential leak	3
		Above ground transmission line or main exposed to other outside forces without protection	3
		Line is not locatable using line locating equipment	3
	Locating and marking lines	Line is not properly mapped	3
M03		Denied Access	3
		Excavation activity has started prior to line being marked	3
M04		When service line test or soap test indicates leakage	3
	Testing Service Lines (New and Reinstating)	Defects in pipe surface	3
		Malfunctioning EFV	3
MCF	Testing Mains and or	Defects on pipe surface	3
M05	Transmission Lines	Failed pressure test.	3
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Covered Task	Task Title	Abnormal Operating Conditions (Task Specific)	Reaction Level
		Inoperable or broken valve	3
		Leaking	1
M07	Performing Valve Inspection and Maintenance	Not locatable / missing valve box	3
		Valve not accessible	3
		Valve on site does not match records	3
MOO	Decision Assistant In-Min-	Sources of ignition	3
M08	Preventing Accidental Ignition	Uncontrolled escaping natural gas	1
		Gas Leak	3
M09	Making Permanent Repairs on Transmission Lines	Pipe Surface conditions	3
		MAOP Factors	3
1440	Inspect, Repair, Tap and Protect	Gas Leak or presence of cracks in cast iron	3
M10	Cast Iron Pipe	Graphitization	3
	Abandoning/Deactivating or Shutting Down Gas Pipelines	Hazardous atmosphere	3
M11		Unable to complete blowdown or achieve isolation	3
		Unexpected pipe type, pipe size, or pressure	3
		Indications of non-located buried facilities.	3
M14	Damage Prevention during Excavation or Encroachment	Damage to buried facilities	3
		Right of way encroachment	3
		Leak that represents immediate or probable hazard to persons or property	3
M15	Leak Classification	Unfavorable weather / ground conditions	3
		Combustible Gas Indicator malfunction / out of calibration	3
	Installing / Maintaining Pipeline	Pipeline marker missing	3
M17	Markers	Pipeline marker improperly located, damaged, not legible, or missing required information	3
		Hazardous atmosphere within the vault	3
M18	Inspect Vault Conditions	Operational failure of any existing ventilation equipment	3
		Failure of the vault covers to the point where they are a potential hazard	3
		Service valve is damaged or does not stop the flow of gas completely	3
M21	Removing / Deactivating / Purging Gas Meters	Hazardous atmosphere	3



Covered Task	Task Title	Abnormal Operating Conditions (Task Specific)	Reaction Level
	Conducting Indirect Inspections	Cannot access pipe to be evaluated	3
O01		Cannot locate pipe to be assessed	3
		Unexpected barriers	3
	External Pipe Inspection for Anomalies	Cannot directly observe pipe surface	3
000		Cannot determine geometry of anomalies	3
002		Unexpected barriers	3
		Potential safety condition observed (i.e. pit depth 70% of wall)	3
	Internal Corrosion Inspection (Non-destructive)	Cannot access pipe surface	3
007		Cannot access internal pipe condition	3
003		Unexpected barriers	3
		Potential safety condition observed	3