



# Lock Out Tag Out

## Creation of Machine Specific Procedures

OSHA CFR 1910.147 establishes the requirements for the control of hazardous energy. This regulation includes the obligation for employers to establish a program and utilize procedures for affixing appropriate lockout devices or tagout devices to energy isolating devices. The purpose being to disable machines or equipment to prevent unexpected energization, start-up or release of stored energy in order to prevent injury to employees.

Part of this requirement involves providing specific procedural steps for shutting down, isolating, blocking and securing machines or equipment to control hazardous energy.

tec.nicum provides the services of identifying all energy sources of a machine in order to create a placard which details the procedures of how to properly implement lockout tagout for a specific machine, thus fulfilling this legal obligation associated with lockout tagout as defined by OSHA.



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**LOCKOUT TAGOUT PROCEDURE**

Description: Ammonia Pump Out Compressor #4		Equipment # 22AR04	
Bldg: 543	Location: Compressor Rm	Rev: 0	Date: N/A
No. of Locks & Tags Needed		<b>DANGER</b>	
5		Ammonia hazard. Wear proper PPE and follow ammonia handling procedures at all times. High pressures and voltages. Follow applicable procedures at all times.	

South End of Unit

Above Unit Facing North

East View

ALWAYS PERFORM A MACHINE STOP BEFORE LOCKING OUT DISCONNECTS					
ID	Source	Location	Method	Check	Device
E-1	Electrical 480V	Disconnect is located on adjacent power panel.	Move E-1 disconnect to off. Lock out.	Attempt restart at all Control Panels.	Lock and Hasp
V-1	Ammonia HPL Inlet	Valve is on East side of unit.	Close V-1 valve. Lock out.	Verify line is Isolated.	Gate Valve Lockout
V-2	Ammonia HGD Outlet	Valve is above unit.	Close V-2 valve. Lock out.	Verify line is Isolated.	Gate Valve Lockout
V-3	Ammonia HTRS Outlet	Valve is on back of unit (North side).	Close V-3 valve. Lock out.	Verify line is Isolated.	Gate Valve Lockout
V-4	Ammonia LSS Inlet	Valve is on back of unit (North side).	Close V-4 valve. Lock out.	Verify line is Isolated.	Cable Lockout

CP - COMPRESSOR E - ELECTRICAL H - HAZARDOUS G - GAS W - WATER S - STEAM C - COLD Y - YELLOW N - NITROGEN V - VALVE

**CONFINED SPACE OR LINE BREAKING PERMIT MAY BE REQUIRED BEFORE PROCEEDING**

**Safety Is Your Responsibility!**

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