Dartmouth
Campus Services | Facilities Operations & Management
6 Vox Lane, McKenzie Hall, Hanover, NH 03755

LOCKOUT/TAGOUT PROCEDURE
OSHA CFR 1910.147

Developed by	Reviewed by	Revised by
RA	RA	

Description: Ammonia Chiller Compressor			Equipment #: HSC-1	
Building: Thompson Arena	Area: Ammonia Compressor Room	Revn: 0	Date: N/A	Origin Date: 12/18/2017

5 **Isolation Points to be Locked and Tagged**

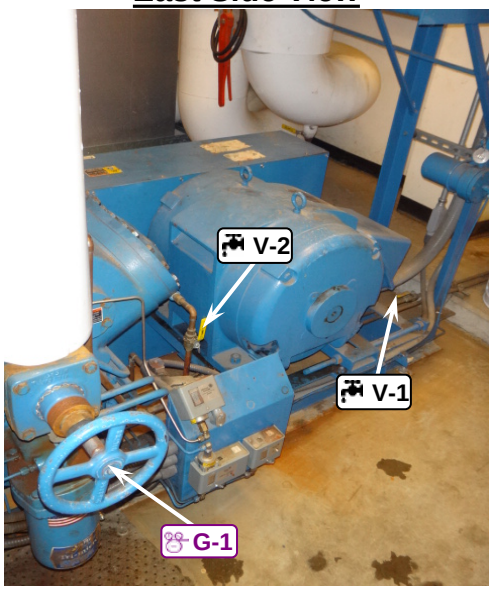
DANGER

Ammonia present. To be serviced by authorized personnel only. Wear proper PPE and ensure ventilation is adequate prior to servicing. Variable-frequency-drive capacitors often remain energized after shut-down. Discharge and wait 10 minutes prior to servicing.

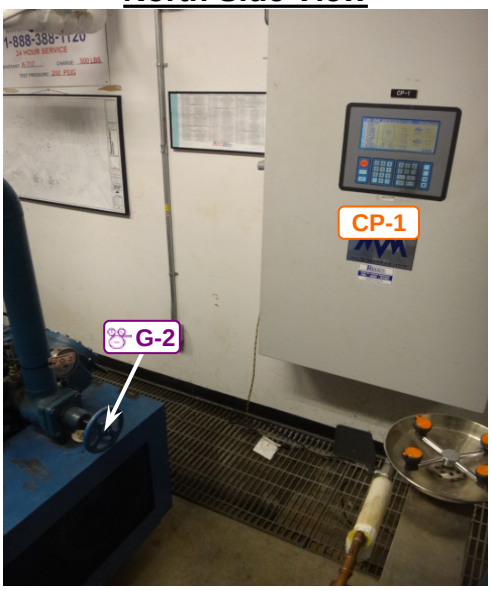
Safety Is Your Responsibility!

Panel View

East Side View



North Side View



ALWAYS PERFORM A MACHINE STOP BEFORE LOCKING OUT DISCONNECTS

ID	Source	Device	Location	Method	Check
E-1	**Electrical 480V**	Breaker lockout device	Isolation point located in panel MCC-1.	Move breaker "CH-1" to off. Lock out.	Attempt restart at CP-1.
V-1	**Glycol Inlet - 100 PSI**	Ball valve device	Isolation point on North side of unit.	Turn valve to closed position. Lock out.	Visually verify zero pressure status.
V-2	**Glycol Outlet - 100 PSI**	Ball valve device	Isolation point on East side of unit.	Turn valve to closed position. Lock out.	Visually verify zero pressure status.
G-1	**Ammonia Vapor Inlet - <10 PSI**	Gate valve device	Isolation point on East side of unit.	Turn valve to closed position. Lock out.	Visually verify zero pressure status.
G-2	**Ammonia Vapor Outlet - <10 PSI**	Gate valve device	Isolation point on West side of unit.	Turn valve to closed position. Lock out.	Visually verify zero pressure status.
	Kinetic Energy 1800 RPM		Be sure to wait until all moving parts have come to a complete stop. If necessary, use a block or chain to prevent equipment from moving while servicing.		

DANGER ESC

OPENING A GUARD DOES NOT CONSTITUTE A LOCKOUT

ALWAYS VERIFY DE-ENERGIZATION OF EXPOSED ELECTRICAL PARTS AND RESIDUAL CAPACITANCE

Any machine modifications must be shown in procedure.
Contact EHS to update procedure: 603-646-1762

DANGER Rockwell Automation