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	

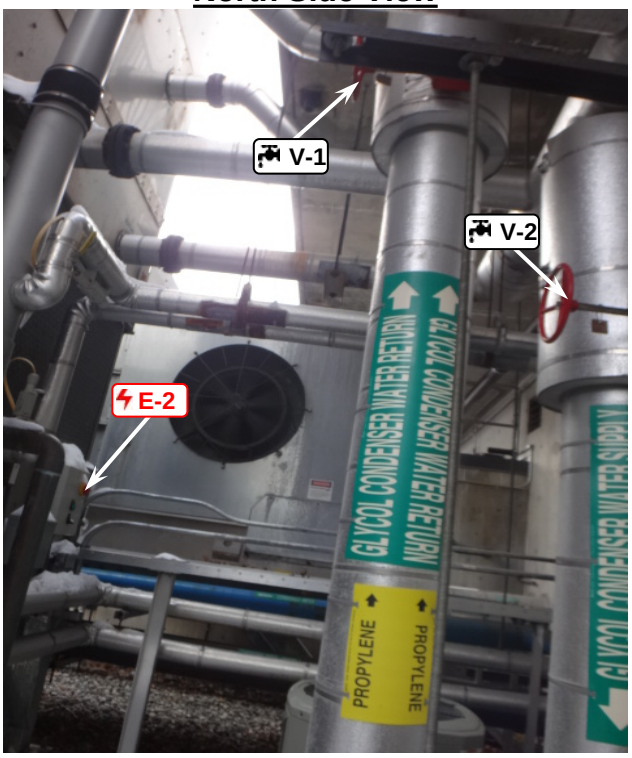
Description: Cooling Tower Ammonia System			Equipment #: CT-1	
Building: Thompson Arena	Area: Mechanical Room 110A	Revn: 0	Date: N/A	Origin Date: 12/18/2017

7 Isolation Points to be Locked and Tagged

Safety Is Your Responsibility!

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**	Padlock	Isolation point on North side of unit.	Move electrical disconnect to off. Lock out.	Verify machine is deenergized.
E-2	**Electrical 480V**	Padlock	Isolation point on West side of unit.	Move electrical disconnect to off. Lock out.	Verify machine is deenergized.
V-1	**Glycol Condenser Water Inlet - 100 PSI**	Gate valve device	Isolation point on West side of unit.	Turn valve to closed position. Lock out.	Visually verify zero pressure status.
V-2	**Glycol Condenser Water Outlet - 100 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.		

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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

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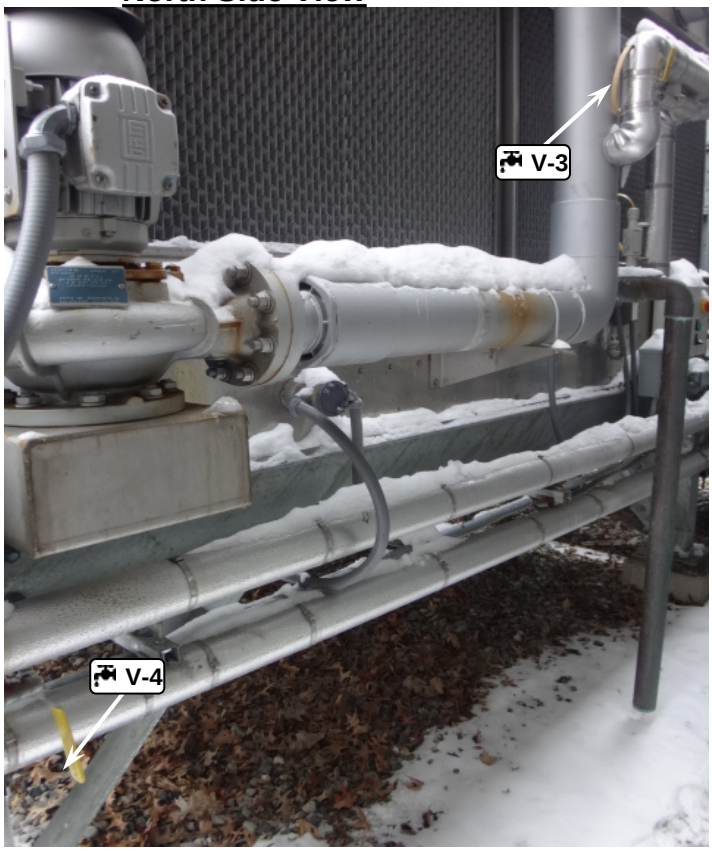
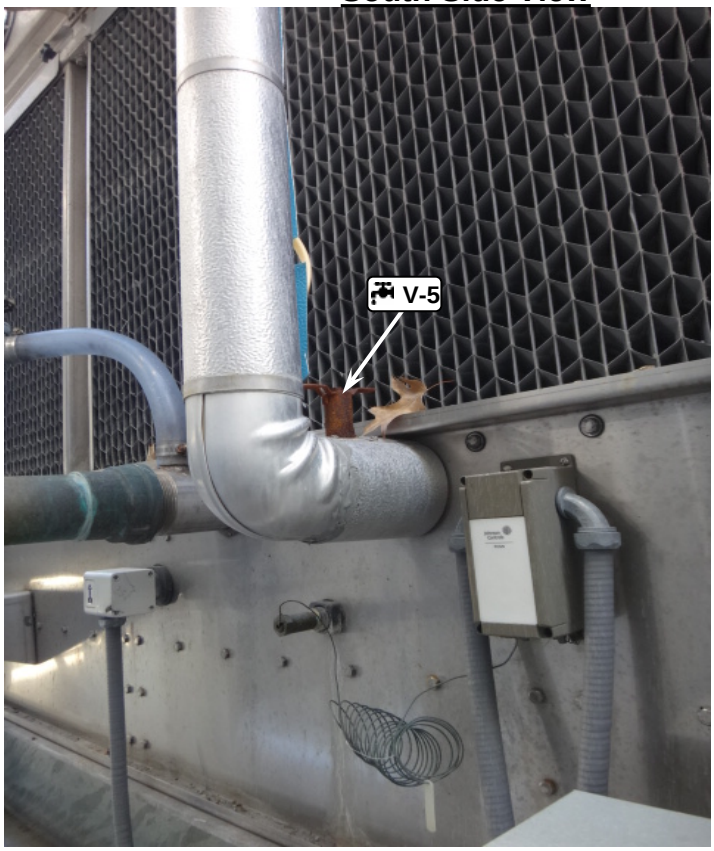


South Side View



ALWAYS PERFORM A MACHINE STOP BEFORE LOCKING OUT DISCONNECTS

ID	Source	Device	Location	Method	Check
V-3	**Glycol Condenser Water Inlet - 100 PSI**	Ball valve device	Isolation point on West side of unit.	Turn valve to closed position. Lock out.	Visually verify zero pressure status.
V-4	**Glycol Condenser Water Outlet - 100 PSI**	Ball valve device	Isolation point on West side of unit.	Turn valve to closed position. Lock out.	Visually verify zero pressure status.
V-5	**Glycol Condenser Water Outlet - 100 PSI**	Gate valve device	Isolation point on West side of unit.	Turn valve to closed position. Lock out.	Visually verify zero pressure status.

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ESC

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