

Niagara Specialty Metals, Inc.
Emergency/Lockout-Tagout Procedures
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Emergency/Normal/Lockout-Tagout Procedures for Gas Furnace #1 PM

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Emergency Procedure:

EMPLOYEES SHALL NOTIFY PRIMARY OR BACKUP CONTACT IN THE CASE OF AN EMERGENCY.

Standard Procedure:

AFFECTED EMPLOYEES SHALL TURN MACHINE OFF, ATTACH A "DO NOT OPERATE" SIGN, AND NOTIFY MAINTENANCE IF THERE IS A SAFETY, QUALITY OR POSSIBILITY OF MACHINE DAMAGE PROBLEM.

Lockout/Tagout Procedure:

LOCKOUT TAGOUT SHALL ONLY BE PERFORMED BY AUTHORIZED EMPLOYEES

1. NOTIFY AFFECTED EMPLOYEES/ SUPERVISOR
2. SHUT DOWN EQUIPMENT
3. ISOLATE ALL ENERGY TO EQUIPMENT
4. LOCK AND TAG ENERGY CONTROLS AND KEEP KEYS IN YOUR POSSESSION
5. FILL OUT TAG WITH YOUR NAME/DATE
6. RELEASE ANY STORED OR RESIDUAL ENERGY
7. TEST CONTROLS TO ENSURE INADVERTENT START UP IS NOT POSSIBLE

RESTORING FROM LOCKOUT/TAGOUT

1. NOTIFY AFFECTED EMPLOYEES THAT LOCKS AND TAGS WILL BE REMOVED
2. CHECK EQUIPMENT TO ENSURE ALL GUARDS ARE IN PLACE AND TOOLS ARE REMOVED
3. ENSURE CONTROLS ARE IN THE NEUTRAL OR OFF POSITION
4. REMOVE ANY DO NOT OPERATE SIGNS

TYPE OF ENERGY

- A. ELECTRICAL**
- B. POTENTIAL (STORED)**
- C. KINETIC (IN MOTION)
- D. PNEUMATIC (AIR OR GAS)
- E. HYDRAULIC
- F. THERMAL
- G. CHEMICAL
- H. SPECIAL HAZARDS

ISOLATION LOCATION/PROCEDURE/TYPE OF DEVICE

- A.** 30 AMP SQUARE D DISCONNECT REMOVES POWER TO DOOR WINCH.

30 AMP GE DISCONNECT REMOVES POWER TO BLOWER MOTOR.

BOTH DISCONNECTS ARE LOCATED ON EAST WALL BEHIND FURNACE.

20 AMP BREAKER #17 IN MAIN LIGHTING PANEL ON WEST WALL NEAR ENTRANCE MAN DOOR REMOVES 120V POWER TO BURNER CONTROLS/FURNACE CONTROLS.

- B.** PRIOR TO REMOVING POWER TO WINCH MOTOR, DOOR MUST BE AT LOWEST POSITION OR SECURED AT SPECIFIC HEIGHT.

- C. NA.
- D. NA.
- E. NA.
- F. NA.
- G. NA.
- H. NA.