

Niagara Specialty Metals, Inc.

Emergency/Lockout-Tagout Procedures

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Emergency/Normal/Lockout-Tagout Procedures for **Gas Furnace #2 PM**

Primary contact: TOM MACKIN

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Primary contact phone 2: (716)772-5074

Backup contact: BOB SHABALA

Backup contact phone 1: (716)542-5552

Backup contact phone 2: (716)472-6672

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 LOCATED ON SOUTH WALL BEHIND FURNACE REMOVES POWER TO BLOWER MOTOR.

30 AMP CUTLER HAMMER DISCONNECT LOCATED ON SOUTH WALL IN BILLET ROOM TO THE WEST OF GAS FURNACE #4 REMOVES POWER TO DOOR WINCH.

20 AMP BREAKER #17 IN MAIN LIGHTING PANEL ON WEST WALL NEAR ENTRANCE MAIN ENTRANCE 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.