

Niagara Specialty Metals, Inc.

Emergency/Lockout-Tagout Procedures

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Emergency/Normal/Lockout-Tagout Procedures for **Baghouse 2 Plate Mill**

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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.** 300 AMP DISCONNECT SWITCH ON MAIN CONTROL PANEL IN SOUTH ADDITION NEXT TO #1 GAS FURNACE REMOVES POWER TO 200HP MOTOR/CONTROLS.

(2) 30 AMP SQUARE D DISCONNECTS REMOVE POWER TO THE AIR COMPRESSORS. THESE ARE LOCATED NEXT TO DUST COLLECTOR CONTROL PANEL.

- B. NA.
- C. NA.

- D.** AFTER POWER IS REMOVED TO AIR COMPRESSOR, THE SUPPLY VALVE CAN BE TURNED OFF NEXT TO EAST AIR COMPRESSOR UNDER THE DRYER AND BLEED AIR FROM THE MANIFOLDS AT WEST END OF COLLECTOR FROM THE GROUND USING THE VALVE SUPPLIED.

- E. NA.
- F. NA.
- G. NA.
- H. NA.