

Niagara Specialty Metals, Inc.

Emergency/Lockout-Tagout Procedures

Date Printed: 5/20/2010

Emergency/Normal/Lockout-Tagout Procedures for Haas Mill #1 LA

Primary contact: TOM MACKIN

Primary contact phone 1: (716)704-6385

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. 70 AMP SQUARE D I-LINE BREAKER LOCATED IN MAIN DISTRIBUTION PANEL #1 (MDP-1) ON SOUTH WALL BY MAIN DOOR REMOVES POWER TO HAAS #1 MAGNETIC CHUCK, #1 DUST COLLECTOR, #1 MAGNETIC CONVEYOR, HOIST OVER #1, AND CHIP CRUSHER.

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

- H. THIS BREAKER ALSO REMOVES POWER FROM THE FOLLOWING:

JET HOIST OVER OMAX WATERJET, BATTERY CHARGER FOR FORK TRUCK, AND SUMP SUCKER PLUG IN FIRST BAY W/OVERHEAD DOOR ON NORTH WALL.

OPERATORS MUST BE NOTIFIED PRIOR TO TURNING THIS BREAKER OFF.

THE HEAD IS NITROGEN ASSIST AND MAY DRIFT IF NITROGEN IS LOW, SO MUST BE BLOCKED.