

Niagara Specialty Metals, Inc.

Emergency/Lockout-Tagout Procedures

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Emergency/Normal/Lockout-Tagout Procedures for 75 HP Mattison Grinder OF

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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. 200 AMP SWITCH ON CONTROL PANEL ONLY REMOVES POWER TO 75HP MOTOR/CONTROLS, 480V STILL EXISTS IN CABINET.

30 AMP SQUARE D DISCONNECT ON WEST WALL BEHIND GRINDER REMOVES REMAINING POWER WHICH IS FOR HYDRAULICS/TABLE.

60 AMP SQUARE D DISCONNECT LOCATED ON WEST WALL NORTH END OF GRINDER REMOVES POWER FROM SLUDGE CONVEYOR SEPARATELY.

30 AMP SQUARE D DISCONNECT LOCATED ON WEST WALL AT SOUTH END OF GRINDER REMOVES POWER FROM VAPOR COLLECTOR SEPARATELY.

30 AMP SQUARE D DISCONNECT LOCATED ON WEST WALL BEHIND GRINDER REMOVES POWER TO MAGNETIC CHUCKS SEPARATELY.

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