Niagara Specialty Metals, Inc.
Emergency/Lockout-Tagout Procedures
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Emergency/Normal/Lockout-Tagout Procedures for McKay Flattener PM

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Backup contact: BOB SHABALA
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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 EQUIPTMENT
3. ISOLATE ALL ENERGY TO EQUIPTMENT
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 EQUIPTMENT TO ENSURE ALL GUARDS ARE IN PLACE AND TOOLS ARE REMOVED
3.ENSURE CONTROLS ARE IN THE NEUTRAL OR OFF POSSITION
4.REMOVE ANY DO NOT OPERATE SIGNS

TYPE OF ENERGY
A. ELECTRICAL
B. POTENTIAL (STORED)
C. KINETIC (IN MOTION)
D. PNUEMATIC (AIR OR GAS)
E. HYDRAULIC
F. THERMAL
G. CHEMICAL
H. SPECIAL HAZZARDS

ISOLATION LOCATION/PROCEDURE/TYPE OF DEVICE

A. 200 AMP SQUARE D DISCONNECT LOCATED ON WEST WALL ON THE NORTH SIDE OF FLATTENER REMOVES POWER TO FLATTENER MOTOR.

70 AMP BREAKER IN WESTINGHOUSE 3-PHASE PANEL ON NORTH WALL ON NORTH SIDE OF FLATTENER REMOVES POWER TO FLATTENER SCREW-DOWN MOTORS/CONTROLS.

20 AMP BREAKER IN WESTINGHOUSE 3-PHASE PANEL ON NORTH WALL ON NORTH SIDE OF FLATTENER REMOVES POWER TO HYDRAULIC PUMP/TABLE CONTROLS.

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