# Niagara Specialty Metals, Inc.
# Emergency/Lockout-Tagout Procedures
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**Emergency/Normal/Lockout-Tagout Procedures for Sandblast #2 SA**

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 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 ON WEST WALL WEST OF SANDBLAST CABINET REMOVES POWER TO SANDBLAST AUGERS, RECLAIM SYSTEM, AND DUST COLLECTOR.

150 AMP SQUARE D I-LINE BREAKER IN 480V MAIN PANEL REMOVES POWER TO 75HP AIR COMPRESSOR BEHIND SHOTBLASTER.

125 AMP SQUARE D I-LINE BREAKER LOCATED IN MAIN 480V PANEL REMOVES POWER TO 75HP AIR COMPRESSOR BEHIND #1 SANDBLAST WHICH IS IN PARALLEL WITH #2 SANDBLAST AIR COMPRESSOR BECAUSE OF DOUBLE BLASTING FEATURE.

B. NA.
C. NA.

D. ALL AIR MUST BE REMOVED FROM SAND HOPPER AND LINES BEFORE POWERING DOWN AND WORK CAN BE DONE.

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