

ENERGY CONTROL PROCEDURE

The following Energy Control Procedure should be used for the equipment listed below.

Date Written: 3-28-11 Date of Revisions: _____
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Reviewing Personnel: _____ Date Reviewed: _____
Approvals: _____ Date Approved: _____

EQUIPMENT DESCRIPTION

GENERAL DESCRIPTION: Radial Drill BMC # 1062
MANUFACTURER: Tominago
MODEL: YMZ TRE-2000D SERIAL NUMBER: 81162

LOCATION: Production

CONTROLS

The following Controls, including "start/stop" buttons, toggle switches, emergency stop button, shut-off valves, etc. have been identified for this equipment.

Description of Control	Location on Equipment
Main electric shut off	Breaker panel A6 on wall left of machine
Power on/off	Control panel
Lock/unlock arm	Control panel
Lower spindle arms	Control panel

ENERGY SOURCES/ISOLATION DEVICES

The following Energy Sources and Energy Isolation Devices supporting this equipment have been identified.
Energy Types: (CHECK ALL THOSE APPLICABLE)

Electrical	X
Pneumatic	
Hydraulic	
Steam	
Chemical	
Thermal	
"Stored" Energy	X
Other	

Sources / Devices	Location	Type of Lock/Tag Needed
Breaker	Left of machine on wall A6 panel	Device, lock & tag

SHUTDOWN PROCEDURES

The steps listed below must be followed to properly shut down and de-energize this equipment. To verify the effectiveness of each step follow the instructions in the “Verification” column.

Lock-Out/Tag-Out

Procedure	Device used	How to verify
NOTIFY “AFFECTED” AND “OTHER” EMPLOYEES OF IMPENDING EQUIPMENT SHUTDOWN		
Unlock arm and lower to lowest position	NA	Will not lower any more
Lower spindle to lowest position	NA	Will not lower any more
Turn off breaker	Device, lock & tag	Try to power on

RELEASE AND RESTART PROCEDURES

The steps listed below must be followed to properly release this equipment from a locked or tagged out condition and restart it.

Procedure	Location
Inspect work area and remove tools and other non-essential items.	
Inspect equipment and components to make sure it is intact and ready to run.	
Notify “affected” and “other” employees in the area of impending restart and make sure they are safely positioned away from the equipment	
Turn on breaker	Left of machine on wall A6 panel

