

ENERGY CONTROL PROCEDURE

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

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EQUIPMENT DESCRIPTION

GENERAL DESCRIPTION: Air Compressor 3093, 3092

MANUFACTURER: Ingersoll-Rand

MODEL: Nirvana SERIAL NUMBER: _____

LOCATION: Left side of old Production Room Mezzanine

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
Start and stop button, cushion The air compressor will auto start	Front Right
Main air valve	Back left side
Main disconnect	On wall By room door

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	x
Hydraulic	
Steam	
Chemical	
Thermal	
“Stored” Energy	
Other	

Sources / Devices	Location	Type of Lock/Tag Needed
Pneumatic	Left back side	Ball valve handle lock, lock & Tag
Electrical main disconnect	On wall By room door	Lock and 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		
Shut down compressor	Push motor stop button and E-stop button	NA
Close main valve	Ball valve Lock and a lock & tag	Listen for air venting
Electrical main disconnect	Lock & tag main disconnect	Push Start button

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.

<u>Procedure</u>	<u>Location</u>
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	
Close drain valve, unlock ball valve and then slowly turn on air valve	
Unlock main disconnect and turn on	
Pull out E-stop button, wait for diagnostic to check the machine and then push start button	