

# ENERGY CONTROL PROCEDURE

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

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Approvals: FRANK REPROGLE      Date Approved: \_\_\_\_\_

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## EQUIPMENT DESCRIPTION

GENERAL DESCRIPTION: Air Compressor 3093, 3092

MANUFACTURER: Ingersoll-Rand

MODEL: (3092)      IRN100H-CC      SERIAL NUMBER: NU5673U03128

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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 |  |                   |
|   |  |                   |
|   | Push motor stop button and then the E-stop |                   |
|   |  |                   |
| Close main valve  | Ball valve Lock and lock & tag             | drain out air     |
|   |  |                   |
| 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 then Unlock ball valve and slow turn on air valve   |                 |
| Unlock main disconnect and turn on  |                 |
| Pull out E-stop button and wait for diagnostic to check the machine and then push start button  |                 |