**Unity Area Regional Recycling Center**

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**Type and magnitude of energy, its hazards and methods to control the energy.**

**PTR Baler**

**Energy**

1. The baler is powered by 3-phase 220V AC supply generated by a phase converter.
2. Stored energy is present when the platen is in any portion of the full range of movement of the hydraulic cylinder unless it is in the full downward position and the chamber is empty. Stored energy may be present within the hydraulic system.

**Hazards**

1. Electrical shock which could cause death or serious injury.
2. Stored energy in the platen while in any portion of the full range of movement of the hydraulic cylinder would be released in the event of leakage from the hydraulic system. This could cause death or serious injury by crushing and/or mutilation.

**Control Methods**

1. Deactivate the energy isolating device. There are three such devices for this equipment. 1. The key switch on the control panel, 2. The disconnect switch on the wall to the right of the baler and, 3. The breaker for the phase converter in the panel #1 (Panel is labeled P1).
2. Only authorized service personnel will be allowed to enter the bale chamber after the platen has been secured by the use of chains of the proper rating and/or supports/blocking placed in the bale chamber to prevent the downward movement of the platen.

**Verification**

1. The employee whom instigated the lockout-tagout procedure will verify the isolation of power to the equipment by attempting to operate all controls in the proper manner of operation.