

LMSSC Hazardous Energy Control Information Form (LOTO) – Bay Area

SAMPLE

Equip Description and Type: Boiler	Contractor Name (Company): Skywalker Construction	Entered by / Date: 1/2/2016
Manufacturer: Boilers R Us	Model: Agua Caliente 2000	Serial Number: 789456
LMSSC Asset Number [if known]: M100000000000000456	Building: B101	Room/Column: 1 st Floor Equip Room/ 1J5
Project Title: Replacement Boiler	FMR / CER No.: 123456	LMSSC Reviewed by / Date: J Pierron / 2/3/2016

Shut-down Order	Start-up Order	Energy Source * [Electrical, water, gravity, etc.]	Magnitude	Isolation Device * [Disconnect, Circuit Breaker, Ball Valve, etc.]	Device Location * [Back of Machine, North wall, Column, Electrical Panel, etc.]	Lockout Device [Lock, Ball Valve Lockout, Chain, Tag out, etc.]	Test [Attempt Start, Voltmeter, Check Gauge, Bleed, etc.]	Isolation Device Required State [Open, Closed, Dissipated, Unplugged, etc.]
1	6	Electrical	480V	Disconnect	Wall at column 1G6	Lock	Check Control Panel for Power or Voltmeter	Open
2	5	Electrical - Controls	120V	Circuit Breaker	Panel 1F9	Lock	Check Control Panel for Power or Voltmeter	Open
3	4	Natural Gas	N/A	Ball Valve	On Boiler, left side	Valve Lock	Bleed, Check Gauge downstream from valve	Closed
4	3	Water - Supply	N/A	Gate Valve	On Supply Line, above boiler	Chain & Lock	Bleed	Closed
5	2	Water - Return	N/A	Gate Valve	On Return Line, above boiler	Chain & Lock	Bleed	Closed
6	1	Boiler Water	N/A	Ball Valve	Under boiler tank	Valve Lock	Bleed	Open

Notes:

* Indicates required item.

Shut Down Order / Start Up Order – Order energy sources should be shut down and started back up (e.g. shut off electrical to a water heater before shutting off water supply so heating element is not run dry). Only include if critical for shut down and startup to avoid damage to equipment or injury to personnel. Specify “N/A” if sequence does not matter.

Energy Source * – Type of energy supplied to equipment. Includes Electrical, Pneumatic (Compressed Air), Hydraulic, Water, Steam, and Gas. Also includes any potential energy sources such as gravity (e.g. press that could come down), spring tension, or large fan blades that could move and injure/entrap personnel.

Magnitude of Energy Source – Includes voltage, pressure, etc. Not required for sources such as shop compressed air, domestic water supply, and facility natural gas supply. Not required for potential energy sources such as gravity, spring tension, etc.

Isolation Device * – Device used to isolation energy source. Includes, disconnect, circuit breakers, valves, etc.

Isolation Device Location * – Indicate if on equipment, on pumping to equipment, on wall in room, etc. Include electrical panel numbers and valves numbers if available. Be as specific as possible.

Lockout Device – Indicate if any specific/unique items (chains for large gate valves, equipment blocks for presses, etc.) are needed to secure and lockout energy source. Specifying basic LOTO items (locks, valves locks, etc.) is not required by contractor.

Test – Indicate any specific devices that can be used to verify isolation such as gauges.

Isolation Device State – The state of the isolation device for controlling the hazardous energy source.

Examples include:

Electrical	Open – Open Circuit (Power Off)
	Closed – Closed Circuit (Power On)
	Unplugged – Open Circuit (Power Off)
	Dissipated – Charge on capacitor bleed off
Fluid/Gas	Open – Open Valve (flow)
	Closed – Closed Valve (no flow)
	Dissipated – Pressure relieved

Mechanical

Drained – tank/plumbing drained

Blocked – Mechanical motion is blocked using a block, chain, or similar item