Lockout-Hazard-Identification-Risk-Assessment-Worksheet

BENEFITS

Companies have a duty to protect workers both while using equipment and machinery for their intended purpose and when repairing and maintaining that equipment. The primary way of fulfilling that duty is through what's called "lockout," which is when a equipment has been turned off and rendered inoperable with the use of a lock. In order to ensure that all the hazards of a piece of equipment or machinery are identified, it's necessary to do a hazard identification and risk assessment. The easiest way to do this is by using the Lockout Hazard Identification & Risk Assessment Worksheet, which lists the various types of energy involved with equipment or machinery.

HOW TO USE THE TOOL

1. Identify the equipment or machinery and its location. Use the best description possible so that no one will make a mistake later about which piece of equipment or machinery the hazard assessment is for.
2. Review the list of hazard types in Column A and identify those that will apply to the equipment / machine being assessed.
3. In Column C, list the tasks that will be done on this equipment/machinery.
4. In Column D, list the specific hazards that will affect each task. (Column B provides some typical examples that might apply).
5. In Column E, list the method of isolating the energy that will be most effective for each hazard identified. Examples include blocking, closing valves, undoing linkage, bleeding hydraulics, etc.
6. If de-energization or lockout is not possible, write "alternative procedures" in this column. This will require written procedures that provide equal or better protection

to workers.

7. In Column F clearly identify where the lockout point will be for this isolation source. If there is a number or other method of identification use it. Provide a drawing if possible.

Once the form is completed, use the information to develop a Lockout Procedure for that machinery or equipment.

ADDITIONAL RESOURCES

AB: **Guide to Part 15 of the *OHS Code 2009***
BC: **Lockout Booklet**; **Lockout Safety Talk**; **Video: Lockout: A guide to safe work practices0**
MB: **Guideline for Safeguarding Machinery and Equipment**
NB: **Lockout Hazard Alert**; **Lockout Handout**; **Lockout Safety Talk**; **Lockout Checklist**
NS: **Lock-out: A Guide to Part 6 of the Occupational Safety General Regulations**

LOCKOUT HAZARD IDENTIFICATION & RISK ASSESSMENT WORKSHEET

Equipment Identifier & Location: _____ **Assessment Done By:** _____

Description of Equipment or Machinery: _____ **Date:** _____

A	B	C	D	E	F
Types of Hazard	Examples	Task to be performed that may be affected by any hazard in Column A	Specific hazards for this task	De-energization method	Energy control device & lockout point
Stored Energy	Bins, chutes, elevated equipment, pressurized vessels/ pipes, volumes of liquid, stacked materials, springs under pressure				
Mechanical Energy	Hydraulic, air valving or operation, tools, equipment, machinery				
Energy Inadequate or Stopped	Failure of part or linkage, external influence, fuel sources, spills, lack of ventilation, blocked exits, lighting				
Kinetic Energy	Struck by, struck against, pinch points, falling - same level, falling to lower level, high angle work, animal attack				
Chemical Energy	Corrosion, oxidation, asphyxiation, poisoning, explosion, infection, drowning				
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Thermal Energy	Fire, ultra-violet & infrared radiation, steam, hot materials, cold, freezing				
Electrical Energy	Power lines, step potential, static, grounding, lightning,				
Nuclear Energy	Radioactive isotopes, microwave sources, X-ray, laser light				
Other					

Instructions:

- Complete this work sheet with the qualified workers for each piece of equipment or machinery that must be operated or maintained where in advertent startup or energy release could injure workers.
- Consider which hazards in column (A) might apply; specify the task(s) in column (C) that would put workers at risk.
- List the specific hazards for those tasks requiring lockout.
- List the de-energization method, such as close valve, throw electrical switch, blank, blind, etc.
- List the energy control device identifier and location, such as switch # 256)
- Use this information to develop a specific lockout procedure for the piece of equipment or machinery