

HAZARD IDENTIFICATION.
for
ELECTRICITY

Assessed by: _____ Machine/Area ID: _____

Date: _____ Location: _____

HAZ. No.	COMMENTS
	<u>The notes contained in the introduction to this section and relevant Codes of Practice should be read in conjunction with these assessments.</u>
1	Fire & Explosion
2	Death or injury from electrical shock
3	Burns
4	Unintentional stopping or starting of machinery or appliances
5	Slips, trips and falls due to inadequate lighting following failure of electricity
6	Incompatibility with wet or damp conditions
7	Control of electrical supplies by the fire brigade
8	Others

Codes of Practice referred to in this document are:

1. Use of Portable Tools and Appliances
2. Use of Electricity in the Workplace

which may be found in Section 3.

RISK ASSESSMENT

SHEET No. 1

The notes at the beginning of this section and the relevant Codes of Practice should be read in conjunction with these Assessments.

Hazard No.	LIKELY CONSEQUENCES	LIKELY SEVERITY	CONTROL MEASURES
1	Fire or Explosion Serious loss of life and personal injury	High	<ol style="list-style-type: none"> 1. The electrical system is installed and maintained in compliance with current safety legislation and applicable standards. 2. Ensure that the electrical circuits are not overloaded. 3. Well-maintained machinery and appliances are used that are compatible with the electrical installation. 4. Correctly rated fuses, switches and other accessories are used. 5. Non explosive electrical motors, devices and equipment (lights, switches) are only used in explosive atmospheres. 6. Qualified personnel arrange periodic inspections of the electrical installations.
2	Electrical Shock Death, serious injury and burns.	High	<ol style="list-style-type: none"> 1. A qualified electrician carries out the electrical repairs. 2. Temporary electrical repairs or connections are not permitted. 3. Defective machinery, appliance or circuits are not used. 4. All electrical defects, shocks or other incidents are reported to a supervisor immediately. 5. The company complies with the separate Code of Practice covering the Use of Portable Tools & Appliances as far as is reasonably practicable. 6. Electrical appliances or devices are not used if they are wet unless the equipment is designed and installed to do so. 7. Electrical equipment is not used in an open, unprotected environment unless it is appropriate for these conditions. 8. All electrical equipment should be protected/isolated by fuses or other suitable isolating methods. 9. All electrical and other equipment is used for its intended use. 10. It is ensured that staff do not interfere/tamper with the electrical equipment. 11. The company complies with the separate Code of Practice covering the Use of Electricity in the Workplace as far as is reasonably practicable.
3	Burns Serious personal injuries.	High	<ol style="list-style-type: none"> 1. The Risk Assessments No.'s 1 & 2 above covering Fire/Explosion and Electrical Shock are complied with above.
4	Unintentional Stopping and Starting of Machinery or Appliances. Personal injury or death due to loss of power.	Medium	<ol style="list-style-type: none"> 1. In the event of power failure, the supply is isolated to the machine or appliance, using a permit to work system as necessary. 2. When power is restored, the supply is only turned on when measures have been taken to ensure that it is safe to do so. 3. Control measures 1 & 2 are only carried out by a suitably qualified person.
5	Slips, Trips and Falls Personal injuries due to loss of power	Medium	<ol style="list-style-type: none"> 1. An emergency lighting system is installed and maintained in accordance with current standards.
6	Wet or damp conditions. Death or serious personal injury from fumes or electrical shock.	Medium	<ol style="list-style-type: none"> 1. It is ensured that all electrical components and circuits are protected from the elements and kept dry unless they are designed otherwise. 2. In the event of the electrics becoming wet, the appliance or machine is isolated at the power source and the electrician informed.

RISK ASSESSMENT

SHEET No. 2

The notes at the beginning of this section and the relevant Codes of Practice should be read in conjunction with these Assessments.

Hazard No.	LIKELY CONSEQUENCES	LIKELY SEVERITY	CONTROL MEASURES
			3. Power is only restored when it is certified safe to do so by an electrician.
7	Fires Risk of electrical shock.	Low	1. The fire brigade turns off power supplies to buildings when threatened by a fire. 2. Clear access is maintained to the electrical switch rooms at all times.
8	Others		1. . 2. . 3. . 4. .