

Electrical Hazards

Procedure

Electrical Hazards

If a boom, bucket, trailer or any other piece of the equipment accidentally comes into contact with a power line:

1. Stay on/in the machine until the current is cut off
2. A person in charge onsite will call Manitoba Hydro at 1-888-474-0707 to notify them of the emergency, the person should also call the office to notify them of the accident
3. DO NOT EXIT THE MACHINE UNTIL THE CURRENT IS CUT OFF
4. Do not let anyone approach within 20 feet of any part of the machine, cable or anything attached to the machine or cable
5. Electricity will take the path of least resistance to the ground, anyone touching the machine from the ground will be electrocuted
6. If you have to leave the machine in an emergency JUMP as far as possible. Do not make contact with the machine and the ground at the same time, your body will become a circuit for the electricity to the ground, causing electrocution.

Electrical Safety

Practice

Electrical Safety

1. All temporary wiring must be installed and maintained in accordance with applicable codes
2. Temporary electrical cords must be covered or elevated. They shall be kept clear of any location where they may be subject to damage or present tripping hazards
3. Splices in electrical cords must retain the mechanical and electrical strength of the original
4. Energized wiring in junction boxes, circuit breaker panels, etc. must be protected from accidental contact whenever it is left unattended
5. Temporary lighting lamps that are broken or burned out must be replaced as soon as possible. Bulbs must not be removed from other areas to provide lighting.
6. Do not work on any circuits when standing on metal or in water
7. Under no circumstances shall workers (unless qualified and properly instructed) stack materials, erect scaffolding or operate tools and equipment in proximity to power lines
8. When power lines are encountered within the work area, alert the Supervisor. The Supervisor will contact the applicable power authority to ascertain the voltage and minimum distance required according to industry standards
9. When job circumstances require that work be done closer than the limits of the approach stated by industry standards, the following procedures must be followed prior to commencing work:
 - i. an assurance in writing must be obtained and signed by the person(s) controlling the electrical system;
 - ii. the assurance must state that during the work period, the electrical conductors will be re-routed from the work area;
 - iii. the assurance must be available for inspection on the project site
10. Employees shall not touch or handle electrical guarding. Whenever guarding is used, a qualified safety watcher shall be posted to control the approach of equipment, tools, and workers and prevent contact with the guarding.