Ocupational Health & Safety

Hectrical Safety Advisory

Bectrical Installations and Approvals

Objective

This document is intended to provide Faculty and Staff with the basic electrical safety information to minimize the risk of a fine and/or personal harmwhile operating electrical equipment on campus

Contem

Installation concerns continue to be identified with electrical equipment and improper installations during the course of curinternal impedian program These concerns include

- Equipment which has been incorrectly wired, and which has not been inspected by the Hectrical Safety Authority (ESA), representing either as hock or fire hazard
- Use of equipment which is not approved or certified as required by the ISA
- Fiayedardanagedpowercads
 Wreetleesteriarinsktionhasaaded exposingthewisesinside
- Use of extension power could which are impropriately sized for the application. This is either based on the an peragenating requirements for the equipment, or the type of application.
 - This can also be comparted by the use of non CSA approved materials
- Relargeduse of extension pover cards in lieu of proper permanent electrical distribution corrections
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le Augjingapoverbarintoanotherpoverbarforabilitional corrections Note that this is not pemilted on Campus

Required Blectrical Safety Guidelines

Eachinstallation concernmentioned above is indirect violation of the Hectrical Safety Code and represents potentially hazardous situations which may put you or fellow Western personnel in danger: Below are practices that we encouraged you to follow

- Befaniliar with the electrical hazards associated within your workplace

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Refertothe following link for a sample list of common appliances power usage;

https://www.bulingtorhydrocom/powertoconserve/residential/appliance.usage.html

Note that on a standard 15 Amp 120 Volt duple acceptade, the maximum capacity is 1800 Watts (Ex Anelectric Lettle may require approximately 1500 Watts to operate) If you are unsue of your requirements, contact Facilities Management

- Donot remove the process of an electrical plug IF plugprogramments in global constraints in the plug and the plug is a standard gramment and the plug is a standa
 - The Facilities Management Hectrical Stop, at your request, can assist with reprins, alterations, installation of receptades, etc. that adhere to ESA standards and requirements for anomical drage
 - Orlyqualified persons should install cords on equipment.

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Fyouhave any further concerns from a health and safety perspective, contact hsw@uwo.ca

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