DECD Standards for Plant - Part B - Radial Arm Saw (Dec. 2012)

NOTE: For further details on all aspects regarding the purchase, installation, commissioning, safe use, decommissioning and disposal of this item of plant refer to: http://www.decd.sa.gov.au/docs/documents/1/GuidelinesfortheSafeUse-3.pdf

An automatic return device must be fitted to ensure the cutting head returns behind the rear fence once released. Local Exhaust Ventilation (LEV) must be fitted to this machine.

A limit stop must be fitted to prevent the saw operating beyond the table edge. A Safety Operating Procedure (SOP) must be available to the operator in an easy to read size and position.

Radial Arm Saws must not be used for ripping in schools.

A fence must be installed either side of the saw line with a height at least 60% of the maximum depth of cut for which the machine has been designed. Fence is reduced in height to 25 mm on either side of the saw line to provide passage for the blade and side guards.

Fixed hood guard to extend to at least the arbor.

Motor run-down time < 10 seconds (if new machine purchased).

Guard to provide protection from the saw blade at the front of the machine

A 'Knee-Bump' Emergency Stop device, with signage, must be fitted to this machine. Additional 'Knee-bump e-stops may be required if the machine is used to cut at 45 degrees.

Side Guards must cover to the outer edge of the exposed

This machine must be 'Hard Wired' through a lockable (in the 'off' position only) Isolation Switch.



Adequate workpiece support is essential where the length of the material to be cut exceeds the table length.

The machine must be secured to the floor.

Photo courtesy of Delta Power
Equipment Corporation.

Hand danger zones marked each side at a distance of 150mm from the centre of the line of cut. A Direct On Line (DOL) Motor Starter must be fitted to this machine.



A 'Safe Work Area' (SWA) must be defined by 50mm wide yellow or yellow/black non slip tape (or similar material) according to specifications in http://www.decd.sa.gov.au/docs/documents/1/ GuidelinesfortheSafeUse-3.pdf

A risk assessment must be carried out covering all foreseeable uses and operations at this machine. The risk assessment should also consider the operator's skills and competency.



Radial Arm Saw							
Specific Controls and checks	Y, N, N/A	Specific location/site	Identified hazard/fault/comments				
SOP documented and available?							
Motor run down time 10secs if machine new							
Guard to provide protection from the blade at the front of the machine							
Knee bump emergency button							
Direct on line motor starter fitted							
Hand danger zones marked each side at a distance of 150mm from the centre of the line of cut							
Safe work area defined around machine							
Machine secured to the floor							
Adequate work piece support for material that exceeds table length							
Side guards must cover to the outer edge of the expose blade							
Inspected by:							
Date:							
Owner/Operator:							