

EDGE PROTECTION – WHAT IS REQUIRED?

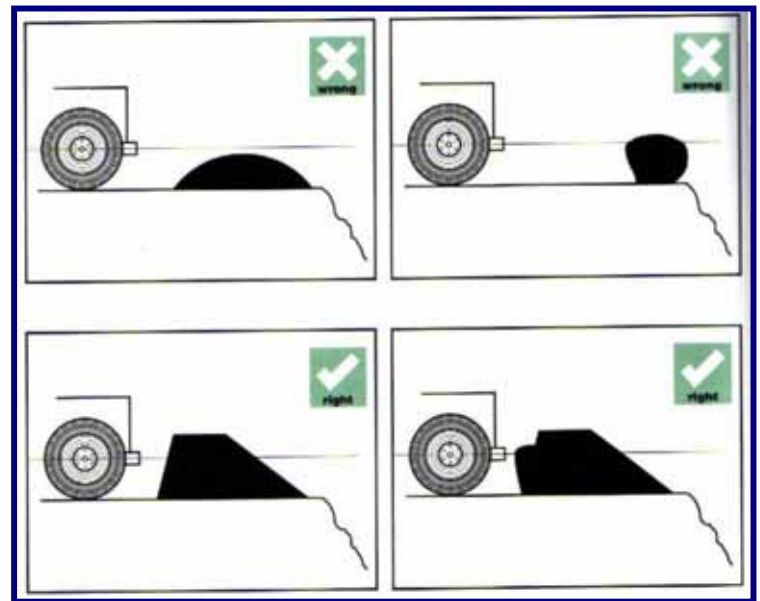
Adequate edge protection is required where there is:

- a drop
- a lagoon
- another hazard

which would put the driver of mobile plant or others at significant risk, if the vehicle left the bench or roadway.

The aim of the edge protection is to stop the largest fully loaded vehicle crossing it when travelling at the maximum foreseeable speed.

On benches or roads used by heavy vehicles the minimum acceptable height is 1.5m or the radius of the largest wheel or tyre - whichever is greater.



Blocks of stone that can easily be pushed out of the way by a vehicle are not suitable for edge protection, and the stone should be covered with material to form a solid mound.

Edge protection can deteriorate over time due to adverse weather conditions. Drainage points should be provided. Both the edge protection and the drainage points must be adequately and routinely inspected to monitor deterioration, and suitable remedial measures implemented.



Where should edge protection be used?

Edge protection should be in place in the following locations:

- quarry haul roads or benches where there is a drop
- adjacent to lagoons
- where vehicles drive onto stockpiled material
- anywhere else where a vehicle could run off an edge.



Edge protection should be identified in the inspection scheme for the quarry, and it should also be defined in the Manager's Excavation and Tips Rules, clearly specifying the nature and type of edge protection to be used.

Where vehicles run onto stocking areas, edge protection will also be required. Ensure it is clearly defined, suitably maintained and inspected.

Missing or inadequate edge protection can have disastrous consequences - ensure you are fully protected!

If you complete inspections of:

- quarry haul roads and benches
- lagoons
- stockpiles
- other areas where vehicles could run off an edge

then you **MUST** inspect any edge protection and comment on its suitability and condition.

QUESTIONS – (there may be more than one correct answer)

		A	B	C
1	Where should edge protection be used?	Where a driver is concerned	Anywhere where a vehicle could run off an edge	After an incident
2	Can blocks of stone be used for edge protection?	Only certain stone grades can be used	Yes - as long as they are big enough not to be pushed out of the way by a vehicle	Yes - as long as they do not exceed 1.5 metres
3	Should edge protection be inspected?	Yes - after an incident	Yes - every 10 years	Yes - inspection scheme to suit the type of protection
4	Why does edge protection need inspecting?	They are often hit by vehicles	Keep the inspection department busy	It can deteriorate

Names of those who attended this Toolbox Talk

Name (Print)	Signature
Carried out by Name (Print):	Carried out by (Signature):
Unit:	Date: