

Preventing accidents from overturning plant

➤ Manager

- 1) Plan and implement safe traffic routes and provide physical protection to prevent plant overturning on slope, excavation or other edges
- 2) Set and enforce site speed limits
- 3) Select plant that is suitable for the tasks and site you are managing
- 4) Ensure plant is inspected and maintained regularly
- 5) Supervise in experienced operators more closely
- 6) Do not put operators under undue pressure
- 7) Monitor changes affecting normal traffic routes and provide safe alternatives

➤ Operator

- 1) Drive the correct way up and down slopes
 - know the manufacturers gradient limits
 - keeping the greater weight of plant plus load uphill
- 2) Stick to site speed limits
- 3) Do the daily checks – include brakes and tyres
- 4) Use outriggers when they are needed
- 5) Follow safe loading and tipping practice
- 6) Remember – diggers can go where dumpers cannot
- 7) Wear your seat belt
- 8) Small things add up – turning a fraction too sharply on a slight slope whilst marginally overloaded can cause an overturn

➤ Planning - Apply the Hierarchy of Risk Controls

There are three main components necessary to prevent plant overturning accidents – safe site conditions, safe vehicles and safe drivers

- 1) All sites should be graded and provided with off road hard standing as soon as possible. Early installation of permanent roadways should be considered
- 2) Traffic routes, storage and un/loading areas should be planned, marked and followed at all stages of the project
- 3) Vehicles should be used only on ground conditions for which they are designed
- 4) Equipment should not be overloaded
- 5) Drivers should be trained and competent for the specific vehicles and tasks
- 6) Managers and supervisors should be competent in plant management and may need training.

➤ Links



Download free guidance – Safe use of Vehicles on Construction site HSG144
<http://www.hse.gov.uk/pubns/priced/hsg144.pdf>



Download free guidance on safe use of dumpers
<http://www.hse.gov.uk/pubns/cis52.pdf>



Training Scheme 5 day course
<http://www.cskills.org/coursebooker/courseinformation.aspx?CourseID=2862>

➤ Record your Site Briefing Here

Who has been briefed

I confirm that I have briefed these people on the Key points of the HSE Step3 guidance note on behaviours that can prevent accidents

Signed off by _____

➤ Concerns Raised At The Briefing

➤ Changes implemented or actions planned

➤ SLAM

STOP work if you find yourself in danger - this is your right in Law

Look around you before taking any action, is anybody else at risk

Assess the situation, take a few minutes to think through the actions you should take to put things right

Manage the risks as the job goes on, anticipate and control risk before the problem emerges