

Forward Tipping Dumpers Visibility Standard

1.0 Objective

In order to maintain an Injury-Free Environment for all our workforce when working with and around plant, Skanska UK has published this standard for Forward Tipping Dumpers operating on its sites.

The purpose of publishing this standard is to assist site management and plant operators with the safe movement of plant equipment onsite. The responsibility for awareness of pedestrians and obstacles prior to and during reversing or maneuvering remains with the operator.

2.0 Scope

All Forward Tipping Dumpers. Including those manufactured with improved visibility, for example (but not excluding other types) by means of a lower center of gravity or rotating cabs or operators seating.

3.0

Mobile construction plant operations

Wherever plant is used onsite, where reasonably practicable the plant shall be segregated from personnel through the selection of the most appropriate equipment, management or physical arrangement of the workplace e.g. exclusion zones¹ and engineering controls such as 2D or 3D machine control/guidance technology which mitigates the need for persons and checkers to work within the area of operations.

Whenever operator visibility for operations is considered to still be ineffective after the introduction of workplace and engineering controls, only then can Plant and Vehicle Marshals (PVM) be introduced to guide and assist plant and vehicles into and from restricted areas, following a risk assessment as part of a formal safe system of work.

All supervisors, operators and PVM involved with plant operations shall be suitably qualified and experienced in accordance with Skanska UK procedures. Competence will include pre-task briefings on the current safe system of work.

Pedestrians walking or working in or around the proximity of plant shall have sufficient understanding of the hazards, risks and control measures that will keep them safe at all times. Refer to the People-Plant Interface: Restricted Zone toolbox talk contained within Skanska UK procedure for plant and equipment.

4.0

Standard for safe operation of Forward Tipping Dumpers

Equipment Type	Suggested areas for use	Notes	Comments
Wacker Neuson Dual View Dumper	Smart Motorways Narrow work areas Single entry and exit routes Restricted Areas	Available in 6te straight & swivel 9te straight & swivel and 10te straight models CPCS category A09	<ul style="list-style-type: none"> Operator can remain in cab whilst being loaded (R/A) Must be loaded and eject spoil from skip whilst facing skip NB. Limit of 13te excavator to load Due to features of rotating console and clear view whilst driving away models over 6te are permitted Consideration can be given to heaped load if area of dumping material has no people interface (R/A required) NB. If people interface at dump area then level skip policy applies
JCB Hi Viz Concept FTD 7te	Wider, more open areas of work Identified within scope of works and R/A	Available in 7te FTD model only CPCS category A09	<ul style="list-style-type: none"> Operator can remain in cab whilst being loaded (R/A) NB. Limit of 13te excavator to load Over 6te is permitted as this equipment has improved vision NB. Level skip policy applies
Cabbed Dumpers (other than above equipment)	As selected by scope of works and R/A	Maximum of 6te limit applies CPCS category A09	<ul style="list-style-type: none"> Operator would not be allowed to remain in cab whilst being loaded unless proof of protection is provided for loading equipment impact NB. Maximum limit of 13te excavator to load JCB cabs are tested to Hi Viz standard and Wacker Neuson have secondary guard fitted. Activity and equipment covered by R/A NB. Level skip policy applies
Non-cabbed dumpers	As selected by scope of works and R/A i.e. less intense work requirement Working by water Restricted height entry to work area (where ROPs can be lowered for entry)	Maximum of 6te limit applies CPCS category A09	<ul style="list-style-type: none"> NB. Operator will not sit on equipment whilst being loaded NB. Level skip policy applies If working around or near water wearing of seat belt may be exempted (R/A required)
Mini-FTD	Used for smaller areas of work as identified in scope of work and R/A	CPCS category A09	<ul style="list-style-type: none"> NB. Operator will not sit on equipment whilst being loaded NB. Level skip policy applies Firm level ground with good access and egress to be provided. R/A to cover activity and selection of equipment NB. 1te dumpers are prohibited

5.0

Programme

This standard will take immediate affect from **1st October 2021.**

6.0

Notes

1. Exclusion Zone – is an area designed to prohibit the entry of pedestrians, established through the risk assessment process for a construction activity. Typically, exclusion zones are setup and maintained around plant and below work at height, also know as ‘red’ or restricted zones. Refer to the People-Plant Interface: standards contained within Skanska UK procedure for plant and equipment.