

## Plant & Equipment Standard - Dual View Dumpers Over Six Tonnes H09-G15

VolkerFitzpatrick  
✓

VolkerFitzpatrick-Rail  
✓

VolkerRail  
n/a

VolkerStevin  
✓

VolkerHighways  
✓

VolkerLaser  
✓

VolkerServices  
n/a

### DUAL VIEW DUMPERS OVER SIX TONNES

- All Plant is to be inspected prior to first use, by completing the appropriate pre-start check sheet and daily / weekly recorded inspections thereafter
- Daily / weekly inspection records for site-based plant are to be completed and held in the cab
- Operators must complete a full induction prior to starting work and evidence of having signed on to the appropriate RAMS / WPP / TBS for the task provided
- Sites must assess the suitability and selection of dumpers for tasks and environments. A specific risk assessment must be completed prior to work commencing which can be detailed in the main works risk assessment. This must take account of the ground conditions, inclines on which they are to be used and any other working / width / speed restrictions on site.



### MANDATORY

#### Plant

- Pre-use inspection signed off & 12-month thorough examination. Evidence of regular inspection plus "next service due" date
- If used on public highway - compliance with Construction and Use regulations (lights, direction indicator, VED, registration plates front and rear etc)
- Protected Cab
- Seat belts (retractable) must be fitted and operational with green light to indicate when seat belt worn. Seat belts must be interlocked with ignition switch
- Mirrors / CCTV to provide 360° visibility
- Safe access for refuelling and maintenance
- Operators instructions must be available on the machine
- All safety labels (decals) in place
- Isolation switch with key / locking doors with key
- Cab steps and handles painted high visibility yellow ensuring 3 points of contact is achievable
- Tow hitch must have correct pin with chain attached to dumper
- Tipping linkage - must have no excessive play

#### Environmental

- Engine must comply with the Stage IIIB European Emissions Standards and the NRMM Emissions Regulations in Central London and Canary Wharf

#### Operator

- Shall be suitably trained and competent
  - CPCS card - for Dual View Dumpers
  - NPORS - for Dual View Dumpers or other VolkerWessels UK (VW UK) agreed training scheme
  - Must have a current relevant driving licence (Category B) and be authorised if driving on the public highway
  - Competency assessment to be completed prior to being put to work - so to be familiar with machine (H09-09 *Permit to Operate Plant*)
  - Full site-defined PPE required - close fitting PPE required in all cases to avoid catching on controls
  - Operator to be briefed on and to comply with VolkerWessels UK (VW UK) Pre-use, Daily and Weekly Defect Reporting System. Report defects and stop machine where defect is safety critical
  - Ensure machine is operated in accordance with manufactures instructions and in accordance with his / her training
  - Be briefed on the site Plant and Vehicle Management procedures and check for overhead obstructions and hazards
  - Shall stop work if any unauthorized / unsupervised personnel enter their immediate work area
  - Keys removed from the ignition before leaving the plant unattended for any reason
  - Operator to mount and dismount machine using fixed access arrangements and always facing the machine
  - Seat belt must be worn
  - Shall report all unsafe conditions
  - All site speed limits must be briefed and complied with
  - Body is not to be tipped while on the move
  - The operator is able to remain in the cab whilst the dumper is being loaded, eliminating the potential for slips and falls associated with accessing standard non-cabbed dumpers
- If towing is required:**
- Register of persons authorised to tow must be maintained
  - Special care must be taken to weight towed especially for braking activities
  - Operator must consider stability issues when towing and the operator must refer to operator's manual prior to towing

Issue no.:	2	Date:	Sep 2023	Parent document:	H09 Working with Plant		
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### DESIRABLE

- Load measurement device
- Complete people exclusion area around plant and operation
- Hydraulic rams on engine compartment covers to prevent slamming
- Collision avoidance system (movement sensor (VCAS) or similar approved) to ensure 360° visibility. Operating company to confirm their approved systems
- Safety lever / Interlocking system which will not engage until the seatbelt is connected

### RISKS

- Poor lateral stability - particularly with any dumper used on an incline
- High risk of overturning at speed and on inclines. Refer to manufacturer's instructions
- Public interface - working alongside
- Effect of weather on visibility and working / traffic surfaces
- The buckets on side tipping dumpers can protrude significantly when turned to the side creating a hazard to pedestrians
- Transportation including loading / unloading
- Wet material / clay is prone to stick and cause instability during tipping
- Poor visibility for operator of pedestrians in blind spots

### CONTROLS

- Safe and clean access to seat
- Safe and clean access for refuelling with spill control measures in place
- No entry into exclusion zone unless signalled by operator or plant marshal -**Thumbs Up**
- Ensure stop blocks used to prevent fall into excavation
- Maintenance below bucket hazardous and propping arrangement required
- As a rule of thumb, 25% of dumper capacity should be placed in a skip / discharge area prior to towing
- Where turntable dumpers are narrow mouth, or high lift equipment, extra training must be given to the operator so that the dumper is used correctly
- Plant and personnel segregation
- All round visibility tools fully operational
- Loads should be struck level with the bucket to avoid restricting driver vision
- COSHH assessment for fuels, oils and greases
- A 3 way or side-tipping dumper must be 3-way complete left or right or forward only. Diagonal tipping should be avoided as noncompliance can result in loss of stability
- Controls should be secured so that unauthorised operation is effectively prevented when the machine is not in use

Note: All persons preparing risk assessments involving plant are encouraged to visit the proposed area of work and to review previous risk assessments undertaken for similar activities and safety alerts.

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