

It is envisaged that by the end of this course of training the learner will be able to answer questions on and perform the following:

- Have a basic understanding of the industry, the dangers of working in the industry and their responsibilities as an operator
- Have a working knowledge of the manufacturer's handbook for the particular machine to be used
- Be able to locate and identify the major components of the machine and explain their functions
- Be able to locate and identify key controls and explain their functions
- Conduct all pre-operational checks in accordance with manufacturer's and legislative requirements
- Identify and maintain PPE appropriate for forward tipping dumper use
- Prepare the forward tipping dumper for use and operate safely and efficiently
- Conduct all necessary safety checks at the work area
- Attach and set trailers, ready for operation
- Environmental considerations
- Storage and transport of implements and attachments
- Carry out all end of shift and shut down procedures

Max Ratio Novice Course	Novice Course Duration	Max number of novice tests	Max number of refresher tests	Max number of experienced worker tests
3:1:1	3 Days	3	3	6*

***For 3 + 3 dispensation please refer to ratios document**



Learning Outcomes for N204 Forward Tipping Dumper

Learning Outcome	Instructor Notes
Have a basic understanding of the industry, the dangers of working in the industry and their responsibilities as an operator	Explain the structure of the course and the need to comply with your instructions at all times • Explain that the industry is very dangerous and that only safe working practices will be adopted throughout the course • Personal safety is not just the absence of physical injury, can be affected by noise, vibration and can lead to lost time, lost income, expense for the employer, etc • Explain Health & Safety at Work Act 1974, Restraining systems in accordance with risk assessment, PUWER Regulations, MHSAWA, CDM Regulations, Vibration at Work Regulations, Road Traffic Act, HSG150, BSEN 13510 – ROPS, restraining systems in accordance with risk assessment, risk assessments, method statements, codes of practice and other relevant legislation • Remind learners that operators have moral obligations, legal obligations and environmental obligations • Explain reporting structures, the importance of good communication on site (colleagues, management, and other workers on site)
Have a working knowledge of the manufacturer's handbook for the particular machine to be used	Explain the importance of the manufacturer's handbook and that it will be used throughout the course • Stress that it has to be used in alliance with all relevant legislation • Explain travelling on inclines, stability with raised skips, excessive speed
Be able to locate and identify the major components of the machine and explain their functions	Explain the different types of components • Explain the function of the components and how they all contribute to the safety and operational integrity of the machine • Explain power units, transmissions, safety locking devices, fuel tank, guards, types of skips, carrying capacities, steering, braking, oscillating chassis, safety systems etc. • Restraining Systems (Safety Critical)
Be able to locate and identify key controls and explain their functions	Explain the different controls and their functions • Explain how correct and sympathetic use of the controls can ensure safety of the machine and help prolong machine life by reducing wear and tear • Refer to the manufacturer's handbook, codes of practice, decals etc
Identify and maintain PPE appropriate for the dumper	Explain that PPE should include the following: Suitable safety boots, ear defenders, face / eye protection, dust mask, Fall prevention systems, suitable gloves, overalls, hard hat, protective clothing etc
Conduct all pre-operational and running checks in accordance with manufacturer's and legislative requirements	Explain the importance of pre-operational and running checks and legal implications of using a machine without having checked it • Go through the sequence of checking, use manufacturer's handbook, check sheet, defect reporting procedure etc



Learning Outcomes for N204 Forward Tipping Dumper

Learning Outcome	Instructor Notes
Prepare the forward tipping dumper for use and operate machinery safely and efficiently	Explain and demonstrate all safety procedures to be adopted including: <ul style="list-style-type: none"> • Correct starting procedure • Mount and dismount the machine • Correct operating procedure on slopes / inclines • Confined spaces • Identify and report any defects • Correct tipping procedure • Side tipping • Centre of gravity • Articulation steering • Correct procedure for adjusting / changing different attachments • Follow all safe working procedures • visibility, densities of materials • Adhere to Road Traffic Act / site - road travel • Check electrical safety / types of, overhead / underground services • Types of loading vehicles • machine suitability / capacity • Tipping procedures moving and static • tipping on slopes • side tipping • high tipping • material jams • projecting loads • Spoil heap security • stability with raised skip etc
Conduct all necessary safety checks at the work area	Explain and demonstrate the following fully: <ul style="list-style-type: none"> • Walk the site and highlight or remove any hazards • Edge protection appropriate size, ground condition etc • Overhead cables, access and egress routes • turning areas • Confirm that the condition of the site is safe to work in • Report any hazards that cannot be removed • Set out warning signs and barriers, exclusion zones to warn members of the public and to exclude animals
Attach and set trailed / mounted attachment ready for work	Explain and demonstrate procedures to be adopted including: Connecting procedures <ul style="list-style-type: none"> • Securing process • Implement / forward tipping dumper compatibility • Hitch controls • Implement stability and security • Tipping procedure • Guarding • Starting / stopping procedures • Hazards associated with all implements • Remove and secure implements
Environmental considerations	Explain and demonstrate procedures to be adopted including: <ul style="list-style-type: none"> • Clear visibility • Communication system – signals etc • Noise • Vibration • Ground contamination • Ground damage • Fuel spills Fumes • Flying debris
Storage and transport of forward tipping dumper attachments	Explain and demonstrate the following: Allow power driven implements to slow down <ul style="list-style-type: none"> • Check condition of hydraulic hoses – attachments etc • Correct / secure storage of attachments • Refer to manufacturer's handbook
Explain loading / unloading procedures for machine transportation	Explain and demonstrate the following: <ul style="list-style-type: none"> • Placement on transporter, security and position • Types of transporter and compatibility to machine • Refer to manufacturer's handbook
Carry out all end of work and shut down procedures	Explain and demonstrate procedures to be adopted including: <ul style="list-style-type: none"> • Shut down procedures and machine security • Clean machine thoroughly after use to avoid corrosion • facilitate maintenance, prevent personal contamination • Inspect machine for signs of wear and damage

**The learning outcomes listed should not be considered in isolation and may be added to in order to accurately reflect the learner's duties and working environment*