



Accredited Africa Training Institute for Capacity Development

Unit FO409, Hatfield Plaza · 1122 Burnett St, Hatfield 0028 · Pretoria, Gauteng · South Africa

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COURSE BROCHURE

Rigid Body Dump Truck Operation And Safety Training

Physical Planning and Construction / Civil Engineering Construction

Unit Standard 116097 · NQF Level 2 · 16 Credits · 13 Days

COURSE OVERVIEW

This course equips learners with the knowledge and practical skills to operate rigid body dump trucks safely and efficiently in mining and construction environments. It covers pre-start inspections, loading and dumping procedures, hazard identification, and adherence to South African health and safety regulations. By the end of the training, participants will be able to minimize risks and contribute to a safe workplace.

Category	Physical Planning and Construction
Subfield	Civil Engineering Construction
Unit Standard	116097
Accreditation	SAQA Accredited · NQF Level 2 · 16 Credits
Duration	13 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Demonstrate the ability to conduct pre-operational checks and identify defects on a rigid body dump truck.
- Apply safe operating procedures for loading, hauling, and dumping materials in compliance with site-specific rules.
- Analyze potential hazards and risks associated with dump truck operations and implement appropriate control measures.
- Evaluate the condition of the work area and communicate effectively with other personnel to ensure safe operations.
- Perform emergency shutdown procedures and respond appropriately to incidents or malfunctions.
- Adhere to relevant health, safety, and environmental legislation and organizational policies.

WHO SHOULD ATTEND

- This course is designed for new and experienced operators of rigid body dump trucks, as well as supervisors and safety officers responsible for overseeing dump truck operations in mining, quarrying, or heavy civil construction.

COURSE OUTLINE

Day 1: Introduction to Rigid Body Dump Trucks and Legal Framework

- Course overview, assessment criteria, and unit standard 116097.
- Types and classifications of rigid body dump trucks.
- Overview of the Mine Health and Safety Act (MHSA) and OHS Act.
- Duty of care, operator permits, and legal liability.
- Basic terminology and machine components.

Day 2: Pre-Operational Checks and Daily Inspections

- Walk-around inspection procedures.
- Checking engine oil, coolant, hydraulic fluid, and fuel levels.
- Tire condition, pressure, and lug nut torque.
- Brake systems, lights, and warning devices.
- Documentation and reporting procedures.

Day 3: Controls, Instruments, and Dashboard Familiarization

- Steering wheel, pedals, levers, and switches.
- Dashboard layout: speedometer, tachometer, temperature, fuel, and warning indicators.
- Retarder and exhaust brake controls.
- Transmission modes (forward, reverse, neutral, park).
- Engine start-up and shut-down procedures.

Day 4: Basic Operating Techniques and Safe Driving Principles

- Starting and stopping techniques on level ground.
- Steering control and turning radius.
- Speed management and following distances.
- Effects of load on vehicle stability.
- Practical driving exercises in a training yard.

Day 5: Loading and Dumping Procedures

- Approaching loading zones and signaling.
- Even load distribution and overloading prevention.
- Dumping sequence: raising the bed, discharging, and lowering.
- Stability considerations on uneven ground.
- Emergency procedures during dumping.

Day 6: Operating on Slopes and Uneven Terrain

- Grade assessment and route planning.
- Gear selection and engine braking on descents.
- Traction control and differential lock use.
- Avoiding sudden maneuvers on slopes.
- Practical exercises on simulated inclines.

Day 7: Haul Road Safety and Traffic Management

- Haul road design: width, camber, and drainage.
- Speed limits and signage.
- Passing protocols and blind spots.
- Radio communication etiquette.

- Breakdown and accident procedures.

Day 8: Loader and Hauler Interaction

- Types of loading equipment: excavators, wheel loaders, shovels.
- Spotting techniques for optimal loading.
- Communication signals and spotters.
- Cycle time analysis and idle time reduction.
- Safety zones around loading equipment.

Day 9: Environmental and Hazard Awareness

- Dust suppression methods and respiratory protection.
- Noise exposure and hearing conservation.
- Weather conditions: lightning, rain, and fog.
- Spill containment and cleanup.
- Housekeeping and waste disposal.

Day 10: Emergency Procedures and First Aid

- Types of emergencies: fire, hydraulic failure, tire blowout.
- Fire extinguisher types and operation (PASS method).
- Emergency shutdown and isolation procedures.
- Basic first aid for cuts, fractures, and burns.
- Evacuation drills and muster points.

Day 11: Advanced Maneuvering and Confined Spaces

- Turning radius and pivot points.
- Reversing with and without spotters.
- Operating in confined areas: stockpiles, crushers, hoppers.
- Use of cameras and sensors.
- Practical exercises in constrained zones.

Day 12: Shift Handover, Reporting, and Maintenance Awareness

- Shift handover procedures and documentation.
- Daily maintenance: greasing, filter checks, tire inspections.
- Recognizing early signs of mechanical issues.
- Incident and near-miss reporting.
- Introduction to maintenance schedules and service intervals.

Day 13: Integrated Practical Assessment and Course Review

- Practical assessment: pre-start inspection, driving, loading, dumping, and emergency response.
- Written assessment on theory and regulations.
- Course review and Q&A.
- Feedback session and areas for improvement.
- Issuance of certificates and logbook entries.

ASSESSMENT & CERTIFICATION

Delegates are assessed through exercises and a final test. A mark of **50% or above** earns an **AATICD Certificate of Completion**, issued digitally with a unique verification code. This course carries **16 NQF credits** at **NQF Level 2**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 43,500.00	R 43,500.00
1	In-House	R 56,600.00	R 56,600.00
1	On-Campus (Pretoria)	R 65,200.00	R 65,200.00

UPCOMING SESSIONS

Start	End	Method	Venue
03 Aug 2026	19 Aug 2026	On-Campus	Johannesburg, South Africa
04 Aug 2026	20 Aug 2026	On-Campus	Mauritius
05 Aug 2026	21 Aug 2026	On-Campus	Cape Town, South Africa
06 Aug 2026	24 Aug 2026	On-Campus	Dubai, UAE
07 Aug 2026	25 Aug 2026	On-Campus	Pretoria, South Africa
07 Aug 2026	25 Aug 2026	On-Campus	Lagos, Nigeria
10 Aug 2026	26 Aug 2026	On-Campus	Durban, South Africa
10 Aug 2026	26 Aug 2026	On-Campus	Mauritius

Contact us if no suitable date is listed – on-demand sessions can be arranged for groups.

HOW TO GET A QUOTE OR APPLY

- 1. Get an instant quotation online:** visit www.aaticd.co.za, open the page for this course (Unit Standard 116097) and click **Get A Quote / Apply**. Select your training method and number of delegates – your quotation is generated immediately and emailed to you with the course brochure attached.
- 2. Apply by email:** send the course title, your preferred training method (Online, In-House or On-Campus Pretoria), the number of delegates and your preferred dates to apply@aaticd.co.za – our team will reply with a formal quotation.
- 3. Apply by phone or WhatsApp:** call +27 12 004 8389 or WhatsApp +27 65 077 6310 and we will prepare your quotation and reserve your seats.
- 4. Confirm your booking:** accept the quotation and settle the invoice. As soon as payment is confirmed your delegates are enrolled and receive their AATICD LMS login details by email, along with joining instructions for their chosen training method.

Group discounts apply automatically – the more delegates you enrol, the lower the price per delegate. No payment is required to request a quotation.

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