

Off Highway Truck

- Machine and Jobsite Safety
- Operator Compartment and Control familiarization
- Machine Walk around to locate and identify major components, controls and gauges
- Start-up and Shutdown procedures
- Driving and hauling Procedures
- Loading and Unloading Procedures and Practices
- Completing a Full Production Cycle
- Operational Techniques

Machine Walkaround. Learn pre-operation machine inspection procedures to ensure proper operating and safety conditions.

Controls Familiarization. Learn and understand operator controls and proper sequences for machine operations including start-up and shut-down procedures.

Mine Site Driving. Learn to drive the mine site in an unloaded state. The exercise will cover uphill, downhill and long distance driving as well as turns. Simulation will track specific driving regulations relative to the mine site.

Braking. Learn basic machine braking operation while in a loaded state. The exercise will cover long distance downgrade driving.

Mine Site Hauling. Learn basic truck operation while in a loaded state. The exercise will cover uphill, downhill and long distance driving as well as turns. Simulation will track specific driving regulations relative to the mine site.

Loading. Learn to position truck for loading at a 7495 Electric Rope Shovel, excavating at the face of a bench within the mine pit. The exercise will cover spotting the truck, being loaded and driving the haul away.

Unloading at Crusher. Learn the truck operations to unload at a crusher. The exercise will cover spotting the truck against the crusher, unloading and driving away.

Unloading at Highwall. Learn the truck operations to unload over a highwall. The exercise will cover spotting the truck against the safety berm, unloading and driving away.

Production Cycle. Learn how to operate the truck to complete a full production cycle. The exercise will cover spotting the truck, being loaded, hauling a load, driving without a load, unloading into the crusher and unloading at the highwall. During the exercise the simulation will be tracking mine site driving regulations.

Open Training. Allows instructor to expand functionality of simulator to customize training for each student according to individual needs.

Emergency Incident Responses for Off highway truck will include:

Engine Fire – Tire Blowout – Collisions with Site Traffic – Collisions with Safety Berm –

Overloaded by Rope Shovel –Engine Oil Leak – Primary Steering Failure –Secondary Steering Failure–Operator Fatigue –Brake Failure –Tailgating –Rock Slide – Water on Ramp – Collisions with Power Lines –