

Water Truck KPY

Objective

To ensure the safe and efficient operation of the water truck for dust suppression in high dust areas within the yard.

Scope

This procedure applies to all personnel responsible for operating the water truck at KPY. It includes guidelines for safety, truck preparation, yard travel, and water truck operation.

Procedure

1. Responsibilities

- **Operators:** Follow this SOP and report any safety concerns or incidents.
- **Supervisors:** Ensure operators are trained and adhere to this SOP.

2. Personal Protective Equipment (PPE)

- Hard hat
- High-visibility vest
- Safety boots
- Gloves
- Safety glasses
- Hearing protection

3. Pre-Operation Checks

- **Visual Inspection:** Check for any visible damage or leaks.
- **Fluid Levels:** Ensure engine oil, fluid, and coolant are at appropriate levels.
- **Tires:** Inspect for proper inflation and any signs of wear or damage.
- **Lights and Signals:** Verify all lights and signals are functioning.
- **Controls:** Test all controls for proper operation.
- **Safety Devices:** Ensure all safety devices, including fire extinguishers, are in place and functional.

4. Climbing on and off Machines

- Use the 3-point contact method when climbing into and out of the machine.
- Always face the machine while mounting or dismounting.

For more information refer to "CLIMBING ON AND OFF MACHINES- Policy & Procedure"

5. Start-Up

- **Communication:** Confirm you are on the correct RT channel.
- **Windows:** All windows clean for optimal visibility
- **Mirrors:** Align mirrors to operator preference.
- **Seatbelt:** Fasten the seatbelt.
- **Engine Start:** Turn the ignition key to start the engine.
- **Warm-Up:** Allow the engine to warm up for a few minutes.

6. Operation

Yard Travel:

- Adhere to the speed limit of 15km/h.
- Announce your location when changing from one road to another.
- Announce when approaching vehicles and machines.
- Obtain RT or visual contact before passing machines, including processors.

Water Truck Fill:

- Reverse the truck to the pump.
- Connect hoses, ensuring valves are shut.
- Start the water pump (use choke if cold).
- Let the tank fill (approximately 15 minutes).
- Once full, open the valve on the blue hose.
- Disconnect hoses and let excess water run.

Water Truck Cycle:

- Fill the tank at the pond.
- Drop a load on the seal up to the weighbridge.
- Refill the tank.
- Drop a load in the warehouse.
- Refill the tank.
- Drop a load on B Block rail.
- Drop a load on A Block rail.
- Drop a load at the truck entrance.
- Drop a load around the office and workshop.
- Refill the tank as needed.

Avoid Congested Areas:

- Plan your route to avoid congested areas to maintain efficiency and safety.

7. Shutdown

- **Parking:** Park in a safe area on a level surface.
- **Neutral Gear:** Place the transmission in neutral.
- **Parking Brake:** Engage the parking brake.

- **Engine Shut down:** Turn off the engine and remove key. Wait for turbo timer to shut down.
- **Isolate:** Turn off battery isolation switch.
- **Inspection:** Conduct a final inspection and report any issues.
- **Fuel:** Fuel up at the end of the day.

8. Emergencies

- **Fire:** Shut down the machine safely, Report immediately, if it can be done safely use fire extinguisher to put out fire.

For more information refer to “ENVIROMENTAL EMERGENCY Policy & Procedure”

- **Spill:** Contain and report any fluid spills immediately.

For more information refer to “OIL LEAK & CHEMICAL SPILL Policy & Procedure”

- **Injury:** Shut down the machine safely, provide first aid and contact emergency services if necessary.

For more information refer to “MEDICAL EMERGENCY Policy & Procedure 2024”

- **Equipment Failure:** Shut down the machine safely and report the issue to Equipment Team.

9. Maintenance

Daily: Perform pre-operation checks and report any issues.

Weekly: Clean and check for any wear and tear.

Monthly: Schedule a thorough inspection and maintenance with a qualified technician.

10. Training

All operators must complete training on the Water Truck and be familiar with this SOP.

1. Acknowledgment:

I acknowledge that I have read and understood this policy / procedure “Water Truck KPY”

Name:

Sign:

Date:
