

# Mining Equipment vs Light Vehicle



# Mining Catastrophic Risk Management

## Mining Equipment vs Light Vehicle

### 1. What are the hazards that could kill you?

- ▶ Light vehicle fails to give way to dump truck at intersection.
- ▶ Dump truck loses control on ramp and crushes light vehicle.

### 2. What are the critical controls that protect you from SME v light vehicle?

- ▶ Competency Based Training.
- ▶ Mine Traffic Management Plan: speed limits, road and intersection design and signage.
- ▶ Fatigue Management.
- ▶ Active Mining Area restricted zones.
- ▶ Road Maintenance.
- ▶ 50 metre exclusion zone.

### 3. How do you know these critical controls are keeping you safe?

- ✓ You and your workmates have been trained and deemed competent for each piece of equipment you operate. Ask your workmate!
- ✓ Speed signs are in place. Speeds are suitable for area and everyone is following them.
- ✓ Intersections have good visibility, clearly signed, safety berms are in place and roads are in good condition.
- ✓ Operating procedure are accessible, everyone knows what to do and follows them. Ask your workmate!
- ✓ You and your workmates are well rested and alert. Ask your workmate!
- ✓ Active mining areas - Nobody is entering without authorisation.
- ✓ On haul roads there is a minimum of 50 metres between vehicles travelling behind other vehicles.
- ✓ Roads and intersections are in good condition, free of spillage, pot holes and excessive water.

# Single Vehicle Incident



# Mining

## Catastrophic Risk Management

### Single Vehicle Incident

#### 1. What are the hazards that could kill you?

- ▶ Dump truck reverses over the edge of a waste dump.
- ▶ Operator falls asleep at wheel and drives over edge of embankment.

#### 2. What are the critical controls that protect you from a Single Vehicle Incident?

- ▶ Competency Based Training.
- ▶ Traffic Management Plan: speed limits, road & intersection design & signage.
- ▶ Fatigue Management.
- ▶ Active Mining Area restricted zones.
- ▶ Road Maintenance.

#### 3. How do you know these critical controls are keeping you safe?

- ✓ You and your workmates have been trained and deemed competent for each piece of equipment you operate. Ask your workmate!
- ✓ Speed signs are in place. Speeds are suitable for area and everyone is following them.
- ✓ Intersections have good visibility, clearly signed, safety berms are in place.
- ✓ Operating procedure are accessible, everyone knows what to do and follows them. Ask your workmate!
- ✓ You and your workmates are well rested and alert. Ask your workmate!
- ✓ On haul roads there is a minimum of 50 metres between vehicles travelling behind other vehicles.
- ✓ Roads and intersections are in good condition, free of spillage, pot holes and excessive water.

# Mining Equipment vs Mining Equipment



# Mining Catastrophic Risk Management

## Mining Equipment vs Mining Equipment

### 1. What are the hazards that could kill you?

- ▶ Dump truck collides with another dump truck.
- ▶ Dump truck collides with loading unit.
- ▶ Loader bucket crushes dump truck operator cab.

### 2. What are the critical controls that protect you from SME v SME?

- ▶ Competency Based Training.
- ▶ Traffic Management Plan: speed limits, road & intersection design & signage.
- ▶ Fatigue Management.
- ▶ Traffic Controllers.
- ▶ Road Maintenance.

### 3. How do you know these critical controls are keeping you safe?

- ✓ You and your workmates have been trained and deemed competent for each piece of equipment you operate. Ask your workmate!
- ✓ Speed signs are in place. Speeds are suitable for area and everyone is following them.
- ✓ Intersections have good visibility, clearly signed, safety berms are in place.
- ✓ Operating procedure are accessible, everyone knows what to do and follows them. Ask your workmate!
- ✓ You and your workmates are well rested and alert. Ask your workmate!
- ✓ There is positive radio communications between traffic control and SME operators before entering mobile workshop.
- ✓ Roads and intersections are in good condition, free of spillage, pot holes and excessive water.