

#### 4.8.7 Drive to Conditions

At all times 4 wheel drive vehicles must have 4 wheel drive engaged when operating within the mine.

Where visibility or road conditions are poor, drivers shall reduce the speed of their vehicle to maintain effective control.

#### 4.8.8 Defensive Driving

Drivers and operators must ensure they drive/operate in a manner that is well within the safe limits of the vehicle or equipment. This includes leaving enough time and room to react in the event of an unexpected event to avoid a collision or loss of control.

Operators of equipment carrying loads must adjust their speed in accordance with the load being carried.

#### 4.8.9 Wet Weather Driving

All vehicle operators must adjust their speed to suit wet weather conditions.

In circumstances where wet weather causes operations to cease the production supervisor shall monitor and assess their respective areas, as per the Wet Weather Procedure (MAC-PRD-PRO-121).

#### 4.10.10 Site Speed Limits

The maximum speed any vehicle may travel at MAC is 60 km/h unless otherwise sign posted.

The maximum speed for any vehicle approaching from within 50m and traversing through an unmarked intersection is 30km/h unless otherwise signposted.

When passing within 30m of pedestrians behind a physical barrier maximum Heavy Vehicle speed is 20km/h unless the barrier meets the roadside edge bunding requirements.

The maximum speed for vehicles under escort at MAC is 40 km/h. The maximum speed for responding emergency vehicles under escort is 60km/h.

The maximum speed within heavy vehicle park up areas at crib huts is 10 km/h.

When travelling past all machinery involved in road maintenance (i.e. graders, dozers, loaders) the maximum speed at MAC is 20 km/h.

The maximum speed of conducting a U turn on a ramp after stopping is 10km/h.

Where road surface, weather (including fog) or any other condition may adversely affect the safe operation of a vehicle, the speed of the vehicle must be reduced to a safe travelling speed.

When towing a trailer the following speed restrictions apply:

- Trailers with Gross Trailer Mass (GTM)  $\leq$  2500kg – 60 km/h (max), 40 km/h (down ramps)
- Trailers with GTM > 2500 kg – 40 km/h, 20 km/h (down ramps)

During dry weather conditions, trucks must crest and descend ramps at a maximum speed of:

- 15 km/h Loaded, signposted where applicable (rear and service trucks)
- 25km/h Loaded and 4th gear max (water trucks only)
- 30 km/h Un-loaded
- Unless signposted to indicate a lower speed

After a water truck has applied water on a ramp and the conditions have changed, all truck operators must:

- Crest and assess ramp conditions at a maximum speed of 15km/h
- Drive to conditions after assessment

During wet weather conditions, trucks must crest and descend ramps at a maximum speed of:

**Electric Drive Trucks**

- 10km/h Loaded
- 13km/h Unloaded

**Mechanical Drive Trucks**

- 10km/h Loaded
- 15km/h Unloaded

**5.5 Speed Limit**

Speed limits are set throughout the CHPP with the use of traffic signs and are otherwise sign posted as follows:

The maximum speed limits are:

- Unless otherwise sign posted, the maximum speed any vehicle may travel with the CHPP is 40 km/h.

Drive to Conditions:

- Only 4 wheel drive vehicles are allowed on unsealed roads under wet conditions.

**6.1 Mine Maintenance Workshop Specific Information**

In addition to the requirements and controls in place for operating vehicles in the open cut the mine maintenance workshop areas has additional controls which supersede the site rules to effectively manage the risks. The maintenance workshop areas and directional traffic flow in these areas is documented in Appendix 2. All vehicle operators are to follow signs and designated traffic flow as per Drawing I-TI-001-G-1000 (Refer Appendix 2) If there is a need to operate equipment in a direction reverse to the approved traffic flow a risk assessment identifying the additional controls is to be completed and approved by the maintenance manager or their delegate.

The maximum speed limit for the mine maintenance workshop areas is 20km/hr unless sign posted otherwise.

Document Reference - MAC-STE-MTP-027

**Appendix 4 Wet Weather Operation TARP**

| Trigger   | Action   | Response   |  |
|---|--|--|--|
| <ul style="list-style-type: none"> <li>• Dry running surface conditions.</li> <li>• Vericom surface friction above 0.45.</li> </ul>   | <ul style="list-style-type: none"> <li>• Continue normal haulage operations.</li> </ul>  | <b>NORMAL</b> <ul style="list-style-type: none"> <li>• Continue normal haulage operations.</li> <li>• Haul trucks to crest ramps at 30km/h unloaded and 15km/h loaded.</li> <li>• Haul trucks to maintain 50m separation whilst travelling.</li> </ul> |  |
| <ul style="list-style-type: none"> <li>• Wet running surface conditions on an All Weather Road or Level 1 Rated Road.</li> <li>• Vericom surface friction between 0.45 and 0.35.</li> </ul> | <ul style="list-style-type: none"> <li>• In rain events, friction test continuing haul road surfaces and review road surface friction supply.</li> <li>• OCE/Supervisor to determine whether further operational restrictions are required.</li> </ul> | <b>LEVEL 1</b>   | <div style="display: flex;"> <div style="flex: 1; padding-right: 10px;"> <p style="text-align: center;"><u><b>Electric Drive Trucks</b></u></p> <ul style="list-style-type: none"> <li>• Proceed haulage operations with caution.</li> <li>• Haul trucks to crest ramps at no greater than 13km/h unloaded and 10km/h loaded.</li> <li>• Dynamic braking speed control to be set at speeds no greater than 13km/h during decent of ramps for unloaded trucks and 10km/h for loaded trucks.</li> <li>• Haul trucks to maintain greater than 100m separation whilst travelling.</li> </ul> </div> <div style="flex: 1;"> <p style="text-align: center;"><u><b>Mechanical Drive Trucks</b></u></p> <ul style="list-style-type: none"> <li>• Proceed haulage operations with caution.</li> <li>• Haul trucks to crest ramps at no greater than 15km/h unloaded and 10km/h loaded.</li> <li>• Haul trucks to be locked into second gear on ramp decent.</li> <li>• Haul trucks to maintain greater than 100m separation whilst travelling.</li> </ul> </div> </div>   |
| <ul style="list-style-type: none"> <li>• Wet running surface conditions on a Level 2 Rated Road.</li> <li>• Vericom surface friction between 0.35 and 0.25.</li> </ul>                      | <ul style="list-style-type: none"> <li>• In rain events, friction test continuing haul road surfaces and review road surface friction supply.</li> <li>• OCE/Supervisor to determine whether further operational restrictions are required.</li> </ul> | <b>LEVEL 2</b>   | <div style="display: flex;"> <div style="flex: 1; padding-right: 10px;"> <p style="text-align: center;"><u><b>Electric Drive Trucks</b></u></p> <ul style="list-style-type: none"> <li>• Haulage must not continue descending ramps or any corners without a suitable dry line (gravel or graded).</li> <li>• Haul trucks to crest ramps at no greater than 13km/h unloaded and 10 km/h loaded.</li> <li>• Dynamic braking speed control to be set at speeds no greater than 13km/h during descent of ramps for unloaded trucks and 10km/h for loaded trucks.</li> <li>• Haul trucks to maintain greater than 100m separation whilst travelling.</li> </ul> </div> <div style="flex: 1;"> <p style="text-align: center;"><u><b>Mechanical Drive Trucks</b></u></p> <ul style="list-style-type: none"> <li>• Haulage must not continue descending ramps or any corners without a suitable dry line (gravel or graded).</li> <li>• Haul trucks to crest ramps at no greater than 15km/h unloaded and 10km/h loaded.</li> <li>• Haul trucks to be locked into second gear on ramp decent.</li> <li>• Haul trucks to maintain greater than 100m separation whilst travelling.</li> </ul> </div> </div> |
| <ul style="list-style-type: none"> <li>• Wet running surface conditions on a Level 3 Rated Road.</li> <li>• Vericom surface friction below 0.25.</li> </ul>                                 | <ul style="list-style-type: none"> <li>• In rain events, friction test continuing haul road surfaces and review road surface friction supply.</li> <li>• OCE/Supervisor to determine whether further operational restrictions are required.</li> </ul> | <b>LEVEL 3</b>   | <div style="display: flex;"> <div style="flex: 1; padding-right: 10px;"> <p style="text-align: center;"><u><b>Electric Drive Trucks</b></u></p> <ul style="list-style-type: none"> <li>• Haulage must not continue descending ramps or any corners without a suitable dry line (gravel or graded).</li> <li>• Haul trucks to crest ramps at no greater than 13km/h unloaded and 10 km/h loaded.</li> <li>• Dynamic braking speed control to be set at</li> </ul> </div> <div style="flex: 1;"> <p style="text-align: center;"><u><b>Mechanical Drive Trucks</b></u></p> <ul style="list-style-type: none"> <li>• Haulage must not continue descending ramps or any corners without a suitable dry line (gravel or graded).</li> <li>• Haul trucks to crest ramps at no greater than 15km/h unloaded and 10km/h loaded.</li> <li>• Haul trucks to be locked into second gear on ramp decent.</li> <li>• Haul trucks to maintain greater than 100m separation whilst travelling.</li> </ul> </div> </div>  |

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|  |  | <p>speeds no greater than 13km/h during descent of ramps for unloaded trucks and 10km/h for loaded trucks.</p> <ul style="list-style-type: none"> <li>• Haul trucks to maintain greater than 100m separation whilst travelling.</li> <li>• Assess requirement for one-way haul circuit, action where required.</li> </ul> | <ul style="list-style-type: none"> <li>• Assess requirement for one-way haul circuit, action where required.</li> </ul> |
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 Document Reference - MAC-PRD-PRO-121