



Potential Fatal Event: Haul Truck in Wrong Lane

Preliminary Incident Details

Operation	Sierrita
Date / Time	February 15, 2023 / 11:30 a.m.
Type	Near Miss
Summary	A haul truck operator was leaving the dump and approached an intersection at the same time as a pickup truck. The pickup truck stopped in the left lane to wait for the haul truck to exit. The haul truck made a sharp right turn into the oncoming lane and toward the pickup truck instead of a wide right turn into the left lane, per the site's Left-Hand Traffic policy. The pickup truck operator noticed the haul truck was not stopping and backed up to avoid a collision. The haul truck eventually stopped.
Fatal Risk	Vehicle Collision or Rollover
Risk Category	Actionable
Pre / Post Rating	Significant (3) Likely (3) / Significant (3) Likely (3)
Findings / Missing Controls	<ul style="list-style-type: none">• Distracted Driving• Driver cutting corner and failing to stay on left side of road
Applicable Policies / Procedures	Left-hand Traffic / Pit Driving
Employee Condition	No injury
Contact	Cara Forbregd, Manager-Health and Safety

Photos / Links



Direction in which each truck was headed just before the incident.



Potential Fatal Event Learnings: Haul Truck in Wrong Lane

Causal Factors

- Cut the corner at intersection when exiting waste dump resulted in wrong lane driving.
- Black box data indicated distracted driving.

Action Items	Hierarchy of Controls
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Redesign waste dump entrance/exit transition to decrease probability of wrong lane driving.	Engineering
Install road roundabouts in intersections to help ensure drivers stay in their lane. Redesign specific intersections within the mine to eliminate sharp 90-degree turns with limited visibility.	Engineering
Proposed Global Action Item: Evaluate a method/process to proactively assess or detect the use of personal electronics while operating equipment. At Sierrita, personal electronic devices are not allowed while working onsite and/or operating heavy equipment, but this policy is not consistent across all Freeport operations.	Administrative

Failed Safeguards / Additional Learnings

- Evaluate mine berms and lower those that do not require mid-axle height to increase visibility. Install additional stationary cameras for high traffic intersections.
- Evaluate installing light bars with flashing lights on light vehicles to increase visibility.
- Review/analyze DSS data and address accordingly (positive/negative reinforcement).
- Evaluate and consider changing distracted driving parameters in DSS (current parameter set at 10 seconds).

Fatal Risk Management Insufficient Controls

- **Segregation – INSUFFICIENT**
 - Are the segregation controls suitable for the hazards (e.g., barriers, barricades, road dividers)?
- **Signage and Demarcation – INSUFFICIENT**
 - Is signage/demarcation of pedestrian walkways, crossings and restricted areas in place?