

Articulated dump truck rollover

WHAT HAPPENED

An articulated dump truck (ADT) operator was tipping wet material at a designated tip area, the tip had become full and this resulted in them reversing down and attempting to tip on a steep access ramp. The ADT's inclinometer flagged the position as unstable. The operator moved forward to reposition, which caused the wet material to shift in the skip. After applying the tipping brake and selecting neutral, the operator was preparing to tip when the cab unexpectedly lifted and rolled over.

Key Findings

Violation of given instructions - Driver of ADT did not follow site tipping RAMS, task RAMS stated tipping on level ground.

Inadequate or lack of supervision - Lack of task supervision from site staff and contractor.

Inadequate safe work procedures - Moving/Dynamic load shifting due to wet material slumping towards rear of skip.

No or inadequate correction of identified hazards - The inclinometer takes into account crossfalls not longitudinal angles.



LEARNING POINTS / ACTIONS TAKEN

- Site tipping updated to include dynamic loads.
- Spotter to be utilised during evolving ground conditions.
- Tool Box Talk to be supplied to all on-site.

LOCATION: WASTE
ACTIVITY: MOBILE PLANT OPERATION AND MAINTENANCE
SUB ACTIVITY: NO SUB ACTIVITY AVAILABLE

ALERT STATUS: Normal
DATE ISSUED: 11/12/2025 18:58:44
INCIDENT No: 04958