

Lessons Learnt Template

LESSON LEARNT

DATE: 211012018

APPLICABLE GMRs:

- 4.3 Vehicle and plant incident (work sites)
- 4.8 Excavation and stockpile collapse
- 4.14 Vehicle and plant incident (public areas)

PROJECT:

PHOTO TITLE: 14t zero swing excavator resting position post incident

DETAILS:

14 tonne excavator tips onto its side whilst reversing.

ACTIVITY METHODOLOGY:

- 14t zero swing chosen ahead of conventional excavator due to space in work area
- Excavator worked pulling topsoil in a direction away from pedestrian pathway
- Traffic control and spotter in place in an area outside of the excavators slew zone to monitor low volume pedestrian movement footpath as well as vehicle movements
- UHF radio contact used to stop excavator from operating during pedestrian movements
- Competent operator with RII competency and LLE905A Approval to Operate

IMMEDIATE CAUSE:

- Operator tracked into his blind spot rather than track to his open side
- Excavators right track was unsupported allowing gravitational forces to tip excavator on its side

KEY LEARNINGS:

- Work task was completed in an error tolerant works space. No workers were within the work zone/excavator footprint. Traffic controllers were in place. Works were ceased when footpath users were in proximity GMR (4.3.5 ix, 4.8.3 ii, 4.14.2 i)
- Excavator operated with all controls in place. R.O.P's and F.O.P's, door shut, seat belt on, reverse camera (GMR's 4.3.5 i, ii, iii and 4.8.4 i, ii)

GMR CONTROL LEARNINGS:

- All operations of tracking excavators should be in a direction where best visibility is provided

