

WASIT PROJECT SAFETY ALERT

What Happened?

A truck-mounted 70T crane is trying to maneuver out of his work area traversing a semi-compacted, narrow access road between two excavations.



Analysis

- Cranes and other heavy equipment too near the edges of excavations.
- No proper access for cranes and other heavy equipment to move around on site due to too many open excavations.

Recommended Actions :

- ✓ A proper pre-activity assessment of the different work areas or locations where cranes and other heavy equipment are to be used to determine if the equipment are placed or moved into high risk areas;
- ✓ All areas where cranes have to be set up for lifting activities will be assessed to ensure that soil compaction is done according to Aramco standards and requirements, i.e. *soil compaction tests done on so called compacted soil.*
- ✓ All HE/cranes work areas to be assessed to ensure correct distance from excavations are maintained as per GI. 7.028, paragraph 7.11;
- ✓ A lay-out will be made of the setup of the crane in relation to the excavation(s) nearby and this REVIEWED & APPROVED lay-out shall be attached to the work permit for that lifting activity;
- ✓ Any re-positioning of cranes around excavated areas shall be done only after a new lay-out indicating the new position and/or travel route have been reviewed and approved.

Ex.: A crane has to move from one area to another & has to pass b/n two excavations that are 3m deep, the crane must maintain 6m distance from each excavation. If the distance to the edge of the excavations is only 4m, the crane SHALL NOT be allowed to move b/n these excavations.(GI. 7.028).

