

Safety Alert - excavations

The Incident

1. On the NTI site the excavations (app. 4 m depth) for fuel and LPG tanks were done by L3 without proper slopes or reinforcements;
2. The soil was stored too close to the excavation;



What was wrong?

- The JHA did not describe in detail the method of carrying out the excavation;
- Coteba PM issued the PTW (without a clarification of the method for the excavation);
- L3 did not respect the HSSE requirements concerning the excavations included in the HSSE Construction Plan and the design;
- Coteba PM did not react on time (works were not stopped, the NMPI report issued too late);

What was done?

- The soil stored too close to the excavations was relocated;
- The proper slope of the excavations were implemented;

Lessons Learnt

- A detailed methodology of the excavations must be part of the execution design and must be reviewed and accepted during the tender and pre-construction phase;
- A detailed method statement / methodology of the excavation must be included in the HSSE Construction Plan of L3;
- PTW (JHA) must clearly state what the methodology of the excavations is;
- In case of non compliance with the agreed methodology works must be stopped;