

# HSE Alert No. 11

## HAZARD ASSOCIATED WITH WORKING ADJACENT TO THE EDGE OF TRENCH

DOCUMENT NO. TKF-ALR-HSE-00011

Fall from edge of a trench is one of the major risk on the pipeline projects which could lead to serious and Fatal injury to a worker due to unsafe act and condition while working adjacent to a trench. Working adjacent to edge of a trench is a high risk activity that required a detailed planning, organization and execution of work.

### SOME OF POTENTIAL HAZARDS INCLUDE

- Work carried out on the edge of trench without fall protection
- Worker crossing the barriers and standing on the edge of trench
- Worker not aware with the hazards / risk associated with working adjacent to edge of a trench
- Using mobile phone & earphones whilst working at site
- Worker not using safe means of access
- Slippery surface due to loose materials or cracks on the edge of trench
- Alteration of safety barriers to create an unauthorized access
- Poor visibility due to adverse weather condition
- Lone working
- Insufficient lighting during darks hours on trench zones

### SAFE SYSTEM OF WORK:

- Risk assessment and safe system of work must be in place prior to undertake activities adjacent to edge of a trench
- Provide all workers with on-site training and make sure they are familiar with site specific safety procedures
- Supervisor should deliver TBT with focus on crossing over the safety barriers
- Pre-task briefing must be conducted at the beginning of every shift.
- Workers that perform unsafe acts should be re-inducted
- Task supervisor shall ensure that nobody is crossing the Safety barriers
- Workers, Engineers, Supervisor should stop/discourage the person who perform any unsafe act
- To ensure that adequate safety barriers and warning signs provided on the edge of a trench
- Affix poster at conspicuous locations on sites showing the do's and don'ts
- If works to be carried out on the very edge of a trench, ensure that personal fall protection provided to worker and 100 % tie off.
- Engineers / Supervisor should conduct daily inspection to ensure that barriers are in place and rectify immediately if any deficiency.
- Workers should never leave the assigned work site and wander around the other construction sites.
- Lone working is prohibited
- Use of mobile phone and accessories at site is prohibited
- Provide sufficient lighting during darks hours
- Works should be suspended during adverse weather condition

### UNSAFE ACT & CONDITION



This alert should be cascaded to all TEKFEN employees.

**SAFETY IS THE KEY**  
**TO ACCIDENT FREE**

