

Contractors Perception towards Excavation Hazard

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Abstract

Construction employees all over the world, are faced with series of dangers within a depth greater than 1.5 metres in an excavation work, due to the extent of collapse. The study assessed contractors' perception associated with hazards with excavation work. Forty-seven contractors within Central Region were involved in the face-to-face administration questionnaire. Findings from the study reveal that excavation depth, nature of the strata, presence of water, exposure to wet weather, any load close to the edge of the zoned of influence and the presence of chemical gases within the excavation area have major impact on excavation works. Excavation depth and nature of the strata were ranked as the highest among the thirteen hazardous variables within construction work area and the least was the time under which the excavation works will be carried out. Planning for hazard prevention should be in accordance with the OSHA guidelines. The identified hazards should be carefully analyzed for prompt measures to be taken.

Keywords: Construction, depth of excavation, influence of water, risk, weather condition.

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