



Corporate Hazard Identification & Risk Control

HIRA #
15.71

Trenching & Excavations

Applicable Zones:	Project	X	Yard		Office		Asphalt Plant	
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HAZARD(S)

- Accumulation of Gasses/Vapour (H)
- Cave In (P)
- Cramped Working Conditions (MSD's)
- Electrical Hazards from Buried Utility (P)
- Equipment Failures (P)
- Equipment Tipping (P)
- Falling Loads – Rigging Failure/Material not Stored Properly (P)
- Pinch Point – Caught Between or Under (P) (Crushed)
- Struck By (P)
- Suffocation (P)
- Utility or Property Damage

PRE-CONTROL RISK

Likelihood 4	Consequence 5	Pre-Control Risk 20
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CONTROLS

- Elimination** Sloping, shoring or trench boxes shall be used if required based on working environment and soil type.
- Substitution**
- Engineering** Use pumps to keep water out of bottom of excavations, if required.
- Administrative** Follow J-AAR's Trenching & Excavations Safe Work Procedure
- PPE** High Visibility Clothing, Hard Hat & Safety Boots at a minimum must be always worn.

POST CONTROL RISK

Likelihood 2	Consequence 5	Post-Control Risk 10	Risk Reduction 10	Critical or Not Critical Yes
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LEGISLATIVE REFERENCES

O.Reg 213/91: S104
O.Reg 213/91: S106
O.Reg 213/91: 228
O.Reg 362/05: S.20

OTHER STANDARDS & REFERENCES

J-AAR Manual
P2.11.5
P2.11.10
P2.12.11.4
P2.12.11.5
P2.12.11.10