



Excavation Risk Assessment

SPS Construction Company / Pineview
Estates Development / Truce Kelly / 3 Nov
2023

Complete

Score	0 / 0 (0%)	Flagged items	0	Actions	0
Client / Site	SPS Construction Company / Pineview Estates Development				
Location	Dallas, TX, USA (32.7766642, -96.79698789999999)				
Conducted on	03.11.2023 14:00 PST				
Prepared by	Truce Kelly				

Audit

Risk Assessment

Click + to add hazard identified

Hazard

Hazard 1

Description of hazard

Crushing

People at Risk

Excavation personnel and site workers

Controls

- **Use of barricades**
- **Clear signage**
- **Safety briefing for workers to stay clear of heavy machinery during operations**

Risk Rating

**Likelihood - 3, Severity - 4
(Rating B)**

Assessor's actions to further reduce risk

- **Implementation of strict safety protocols**
- **Regular safety audits**
- **Ongoing training to ensure personnel are well-informed about safety measures and equipment operation**

Hazard 2

Description of hazard

Security of Excavation

People at Risk

Unauthorized personnel or vandals accessing the excavation site, which can pose safety and security risks

Controls

- **Erecting perimeter fencing**
- **Installing security cameras**
- **Maintaining site access control**

Risk Rating

**Likelihood - 2, Severity - 4
(Rating C)**

Assessor's actions to further reduce risk

- **Regular security patrols**
- **Monitoring the perimeter**
- **Addressing any breaches or unauthorized access immediately**

Hazard 3

Description of hazard

Hazardous substances in ground

People at Risk

Excavation personnel exposed to potentially harmful substances present in the ground

Controls

- Soil testing and analysis
- Provision of Personal Protective Equipment (PPE)
- Strict handling procedures for identified hazardous substances

Risk Rating

**Likelihood - 3, Severity - 5
(Rating B)**

Assessor's actions to further reduce risk

- Regular soil testing
- Ongoing monitoring
- Providing comprehensive training on handling hazardous substances, including emergency response procedures

REFERENCE

RISK RATING		
RISK RATING	EQUIVALENT	EQUIVALENT
1 - 4	C	No further immediate action. Review periodically.
5 - 9	C	Re-assess during next review.
10 - 16	B	Within 3 months, (Improvement Notice). Reduce risk to acceptable levels and re-assess following risk reduction/mitigation actions to ensure additional risks have not been introduced.
17 - 25	A	Immediate (Prohibition Notice). Do not proceed until action has been taken to reduce the risk and/or mitigate the effects.

5 x 5 RISK MATRIX GUIDELINES

- 1 Estimate the category of Harm using the guide box below.
- 2 Estimate the category of likelihood of occurrence from the guide box.
- 3 Read off the intersection of the two numeric estimates on the risk calculation matrix.
- 4 The resultant value should then be compared to the Risk Rating and actioned accordingly.
NB. Contractors may utilise either a number or lettering system. Both are indicated below as a comparison but either will provide an acceptable assessment for practical purposes.

GUIDE BOX

CATEGORY	HARM	LIKELIHOOD
1	Non-injury	Almost impossible
2	First Aid	Unlikely
3	< 3 days	Possible
4	> 3days	Likely
5	Major injury	Almost certain

RISK CALCULATION MATRIX

5	5	10	15	20	25
4	4	8	12	16	20
3	3	6	9	12	15
2	2	4	6	8	10
1	1	2	3	4	5
	1	2	3	4	5

HARM

LIKELIHOOD

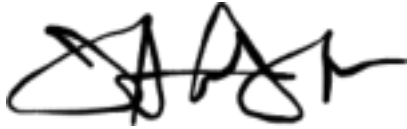
Completion

Click + to list people involved in the risk assessment

Assessor

Assessor 1

Full Name and Signature of Assessor



Sasha Alison
03.11.2023 15:26 PST

Full Name and Signature of Documentor



Truce Kelly
03.11.2023 15:27 PST