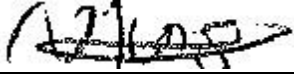





ETHEKWINI MUNICIPALITY Occupational Health & Safety Unit

BASELINE RISK ASSESSMENT

Document Title	Baseline Risk Assessment
Client	EThekwini Municipality – Human settlements
Project	Storm Damage Repairs at 98 Sledgrove Rental Flat in Phoenix
Contract Number	1H-27687
Internal reference	BRA11/11/2023
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Reviewed by (Manager: Safety & Risk)	Name and surname: Arty Zondi Signature:  Date: 16/11/2023

BASELINE RISK ASSESSMENT

- 1. INTRODUCTION:** In accordance with the Occupational Health and Safety Act, (Act 85 of 1993) the Legislator places specific requirements on an Employer. One of these is prescribed in Section 8(i) of the Act where it requires the Employer to ascertain the risks and dangers which may occur within the workplace or section of the workplace and then goes on to establish working procedures or practices.
- 2. PURPOSE:** This is conducted to create a benchmark of the potential risks that apply to the whole project or business operation.
- 3. SCOPE:** This assessment could be approached on a site, regional or national level concerning any facet of the business operation or process or activity.

4. REVIEW AND MONITORING PLAN

The risk assessment form part of the health and safety plan to be applied on the site and must include the following:

- (a) The identification of the risk and hazards to which persons may be exposed.
- (b) An analysis and evaluation of the risk and hazards identified based on a documented method,
- (c) A documented plan and applicable safe work procedures to mitigate, reduce or control the risks and hazards that have been identified;
- (d) A monitoring plan; and
- (e) A review plan

5. REFERENCES

- (a) Tender document number 1H – 27687
- (b) Occupational Health & Safety Act and its Regulation

6. LOCALITY PLAN



SCOPE OF WORK

Asbestos work

Repairs of windows and doors

Existing services

Public safety

Site establishment

Painting

Roof work and maintenance

Use of hand-tools and electrical tools

Corona virus

Construction vehicle and mobile plants

Site security

Working in a fall risk position

Scaffolding

1. RISK ESTIMATION AND EVALUATION RISK CLASSIFICATION USING A RISK SCORE TECHNIQUE

Exposure (E) How frequently does the hazardous event occur		Risk level
Continuously		10
Frequently (daily)		6
Occasionally (weekly)		3
Unusually (monthly)		2
Rarely (few a year)		1

Probability (P) The probability of a loss when the hazardous event does occur		Risk level
Frequent (happens often)		10
Probable (quite possible)		6
Occasional (unusual, but possible)		3
Remotely possible (has happened somewhere)		1
Improbable (practically impossible)		0.5

Severity (S) Consequences of the hazardous event		Risk level
Catastrophic many fatalities; or interruption of longer than 2 weeks; or asset or environmental damage (or both) exceeding R100m		100
Disaster (few fatalities; or interruption between one and 2 weeks; or asset or environmental damage (or both) exceeding R10m)		40
Very serious (one fatality; or interruption of 6 days; or asset or environmental damage (or both) exceeding R100,000		7
Important (temporary disability; or interruption between 6 and 24 hours; or damage exceeding R10,000		3
Noticeable (first aid needed; or interruption of less than 6 hours; damage exceeding R1000)		1

Risk classification (Risk score = E x P x S)		
Risk score	Risk level	
Over 400-----5	Very high risk – discontinue operation or activity	
200 to 400 ----- 4	High risk – immediate correction needed	
70 to 200----- 3	Substantial risk – correction needed	
20 to 70----- 2	Possible risk – attention needed	
Under 20 ----- 1	Risk accepted	

BASELINE RISK ASSESSMENT WORKSHEET: IDENTIFYING EXISTING & POTENTIAL RISKS

	Activity	Hazard	Risk	Risk Evaluation			Risk Score	Risk level
				E	P	S		
1	Repairs of windows and doors							
		<ul style="list-style-type: none">Broken glasses; manual handling; Flying objects	<ul style="list-style-type: none">Injury to body; Injury to eyes	3	6	1	18	1
2	Asbestos work							
	Removal; Handling; Storage and Disposal	<ul style="list-style-type: none">Fragile roof; Working in fall risk position; Unsafe ladder; Inhalation of asbestos dust; Public exposure to asbestos dust; Illegal dumping of asbestos sheets	<ul style="list-style-type: none">Fall risks; Death; Broken borne; Disablement; Lung disease; Lawsuits; Environmental damage; Legal fines	3	6	7	126	3
3	Existing services							

		<ul style="list-style-type: none"> Improper disconnection and connection; Unforeseen existing services; Electrocution 	<ul style="list-style-type: none"> Distraction of services in the area; community unrest; Burns; death; 	3	6	7	126	3
4	Public safety							

		<ul style="list-style-type: none"> Public exposure to construction activities; community unrest; fighting over resources 	<ul style="list-style-type: none"> Injury to body; work stoppage; Legal claims 	6	6	3	108	3
5	Site establishment							

	<ul style="list-style-type: none"> Manual and mechanical clearing of the land. Off-loading and positioning of containers by mobile crane. Fencing. Installation of temporary water supply, electricity, ablution facilities 	<ul style="list-style-type: none"> Incompetent construction mobile plant operator. Manual Handling of equipment and materials. Uneven surfaces. Driving on dangerous and undulating 	<ul style="list-style-type: none"> Body injuries/ Accidents. Destruction of services. Burns/ death 	2	6	7	84	3
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6	Painting							
		<ul style="list-style-type: none"> Body contact with paint; Paint inhalation; Falling from elevated positions 	<ul style="list-style-type: none"> Skin irritation/ disease; Respiratory disease; Death 	3	6	7	126	3
7	Roof work							

	<ul style="list-style-type: none"> Removing and installing of roof; 	<ul style="list-style-type: none"> Working on fall risk position; Unsafe roof access; Untrained roof erectors; 	<ul style="list-style-type: none"> Falling from; Falling into; broken borne; death; disablement; Head injuries 	6	6	7	252	4
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8	Use of hand-tools and electrical tools							
	<ul style="list-style-type: none"> Conducting activities using hand-tools and electrical tools 	<ul style="list-style-type: none"> Unsafe hand-tools/ electrical tools. Possible of pinch 	<ul style="list-style-type: none"> Injury to hands 	6	3	1	18	1
9	Corona virus							

	<ul style="list-style-type: none"> • Transportation of employees • Use of site facilities and hand-tools • Performing construction work • Meeting/ toolbox talks 	<ul style="list-style-type: none"> • Non-compliance with COVID19 Codes of practice; Sharing of facilities and hand tools; Failure to use disinfectants; Virus contaminated vehicle, facilities and tool; Being in an enclosed place 	<ul style="list-style-type: none"> • Employees could be infected with COVID19 virus, severe illness or death; Could be prosecuted or fined 	6	6	3	108	3
10	Construction mobile plants and vehicles							
	<ul style="list-style-type: none"> • Use of construction vehicles and mobile plants and equipment 	<ul style="list-style-type: none"> • Unsafe construction plants and equipment. Incompetent drivers or operators. Oil leaks 	<ul style="list-style-type: none"> • Accidents; injury to employees and public; death; disablement; damage to property. Environmental contamination 	6	6	7	252	4
11	Site security							

		<ul style="list-style-type: none"> Unguarded site camp; Inadequate security provision; No safe access control 	<ul style="list-style-type: none"> Loss of material and equipment/ financial risks/ theft/ unlawful invasion or damage new of houses 	6	6	3	108	3
12	Working in a fall risk positions							
		<ul style="list-style-type: none"> Falling into; Falling from; Medical unfit; Untrained person 	<ul style="list-style-type: none"> Broken borne/ disablement/ death 	6	6	7	252	4
13	Scaffolding							
	Erecting and dismantling scaffolding	<ul style="list-style-type: none"> Unsafe scaffolding; Unstable surfaces/ ground; Unsafe access; Incompetent erectors 	<ul style="list-style-type: none"> Collapsing of scaffolding; Falling from scaffolding; Non-compliant scaffolding; 	3	6	7	126	3

RISK PROFILE:

Storm Damage Repairs at 98 Sledgrove Rental Flat in Phoenix 1H-27687

