



ETHEKWINI MUNICIPALITY Occupational Health & Safety Unit

BASELINE RISK ASSESSMENT

Document Title	Baseline Risk Assessment
Client	EtheKwini Municipality – Human settlements Unit
Project	Rehabilitation of 150 structural defected units for the pre-1994 residential properties ex-own affairs within eTheKwini municipality
Contract Number	1H-31432
Internal reference	BRA14/02/2025
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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

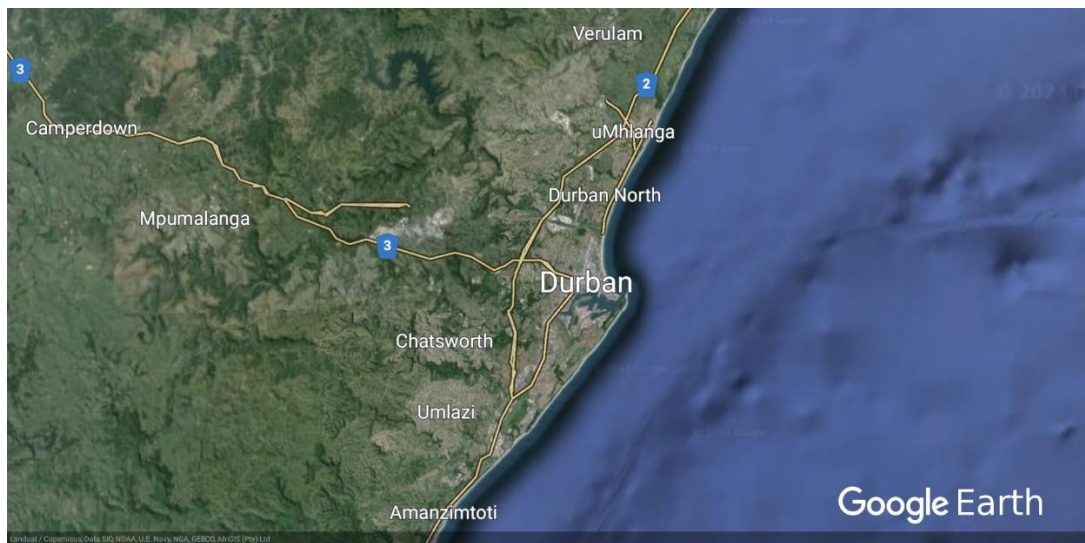
The risk assessment form part of the health and safety plan to be applied on the site and must include the following:

- (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 – 31432
- (b) Occupational Health & Safety Act and its Regulation

6. LOCALITY PLAN



SCOPE OF WORK

General building: Maintenance work

Existing services

Working in an occupied/ residential place

Elevated positions

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	General building: maintenance work							
	<ul style="list-style-type: none">• Installation of new doors, windows ect. using hand-tools, power tools and electrical tools.• Removal of old doors, windows ect. using hand tools• Painting• Glazing• Blocks repairs and plastering• Roof repairs• Painting	<ul style="list-style-type: none">• Defective tools• Electrocutation• Manual handling of doors and windows• Paint inhalation/ ingestion• Sharp edges• Broken glasses• Falling from elevated positions• Fragile roof• Medical unfit employees working on roof• Inhalation of paint chemical	<ul style="list-style-type: none">• Injury to hands• Burns, death• Respiratory problems• Broken bone, disabled, death• Fall risk• Cuts and bruises• Respiratory disease.	3	6	7	126	3
2	Existing services							

		<ul style="list-style-type: none"> • Unforeseen hazards • Damage to existing services, • Destruction of services in the area, • Electrocution • Incompetent person doing connection and disconnection 	<ul style="list-style-type: none"> • Unknown risks • Financial costs; damage to property; loss of local business/informal trader's income; no services in the area • Burns; death • Improper connections or disconnection 	6	6	3	108	3
3	Working in an occupied/ residential place							
	<ul style="list-style-type: none"> • Working in an occupied/ residential place 	<ul style="list-style-type: none"> • Resident's exposure to construction activities. • Destruction of services. • Other activities in the area 	<ul style="list-style-type: none"> • Injury to body • Financial costs; damage to property; loss of local business/informal trader's income; no services in the area • Work stoppage; fight among affected parties 	6	6	3	108	3
4	Elevated positions							

	<ul style="list-style-type: none"> Scaffolding and ladders 	<ul style="list-style-type: none"> Unsafe scaffolding. Unstable surface/ ground level. Falling from elevated position. Untrained erectors. 	<ul style="list-style-type: none"> Falling from elevated position. Collapsing of scaffolding. Broken bone/ disablement. Death. Unsafe scaffolding erected. 	6	6	7	252	4
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RISK PROFILE:

Rehabilitation of 150 structural defected units for the pre-1994 residential properties ex-own affairs within eThekwini municipality

