



ENVIRONMENTAL HEALTH RISK ASSESSMENT FOR EMERGENCY DISPLACED COMMUNITY SHELTERS IN KWAZULU NATAL

(Collaboration between the Provincial Health Department, Mangosuthu University of Technology, Tshwane University of Technology & eThekweni Municipality: Environmental Health Services)

Contents

1. Foreword.....	4
2. Objectives:	4
3. Displaced Communities	4
4. List of Resources	5
5. Proposed Project Timeline.....	6
6. Project Action Plan.....	7
5.1 Drafting of the framework for the project implementation.....	7
5.2 Submission of the project plan to stakeholders	7
5.3 Presentation to all Stakeholders.....	7
5.4 Presentation to National Department of Health	7
5.5 Briefing Session with MUT Students.....	7
5.6 Project Implementation Plan	7

List of Tables

Table 1: eThekweni Municipality Consolidated Displaced families and Areas of location.....	5
Table 2: Resources required	6
Table 3: Project Timeline	6

1. Foreword

Environmental health aims to create environments supportive of good health and minimise disease. In this project, the eThekweni Environmental Health department in conjunction with the Mangosuthu University of Technology intends to conduct an onsite Environmental Health Assessment and Health & Hygiene Awareness for communities displaced by floods. The Health Risk Assessment intends to identify the health conditions that adversely affect these communities intending to collate scientific data for future planning for Environmental Health Disaster Management.

This project aims to investigate the risk and potential hazards the communities displaced by flood in eThekweni Municipality are confronted with, to achieve the following objectives.

2. Objectives:

- To identify and assess the health issues that affect community shelters.
- To identify and provide EH solutions and recommendations for future purposes.
- Inform, educate, and empower communities about Environmental Health Impacts.

3. Displaced Communities

The communities that were displaced by the flood in April are scattered throughout the eThekweni Municipal Area (EMA), however, this initiative focuses on highly populated community shelters and the communities in the outskirts of the Municipal Areas, especially the rural communities. Table 1 provide the list of areas and the total number of families displaced by floods.

Table 1: eThekweni Municipality Consolidated Displaced families and Areas of location

Area Office	Ward No.	Cllr	Cllr Contact No.	Affected Areas	No. of families Affected
South 8	16	Cllr David Ngubane	0767468007	St Wendolins	33
South 4	25	Cllr Themba Mkhize	0782194274	Jadhu Place Informal Settlement	35
West 4	23	Cllr Alicia Kissoon	0615262181	*Zone 2 Palmiet Informal Settlement	50
South 1	98	Cllr Jokweni	0817329792	Ultra-City (South & North Bound), Mgababa	50
North 4	3	Cllr Mpilenhle Mkhize	0844450553	Amatikwe Community Hall	50
North 4	54	Cllr Themba Mnguni	0828231891	Nhlungwana Community Hall	50
West 3	16	Cllr David Ngubane	0767468007	Nazareth Ireland, Pinetown	62
South 8	65	Cllr Samantha Windvogel 074 3233900	0743233901	Burlington Hall	80
West 3	15	Cllr Thembelani Shezi	0817931475	Dabe Church, Tshelimnyama Pinetown	86
West 1	9	Cllr Nonsikelelo Msomi	0710913926	Dinabakubo Community Hall	100
South 4	25	Cllr Themba Mkhize	0782194275	Kennedy Road Informal Settlement, Springfield	113
North 4	59	Cllr Nkosiyezwe Mhlongo	0650100892	Zwelisha Community Hall	151
West 2	7	Cllr Luthando Jali	0614534319	Ntshongweni Community Hall	200
West 1	9	Cllr Nonsikelelo Msomi	0710913926	Molweni Community Hall	250
West 1	108	Cllr Gcabashe	0721014238	Unyazi School- One stop shop (Sassa Office)	300
North 4	53	Cllr Nonceba Ntyelinzima	0733421798	Amaoti Community Hall	250
South 4	25	Cllr Themba Mkhize	0782194274	Puntas Hill Informal Settlement	320
South 2	100	Cllr Mbuyiseni Mkhize	0782257646	Tafelkop (Community)	6500
South 2	100	Cllr Mbuyiseni Mkhize	0782257645	Intake (Community)	7500

4. List of Resources

The project will be undertaken by MUT Environmental Health Student, eThekweni Municipality Environmental Health Practitioner responsible for the area where each community shelter or the community is located. In execution of the proposed Environmental Health Impact Assessment and Health & Hygiene Awareness, the following are the resources that should be made available.

Table 2: Resources required

Required resources	Quantity
Data Collection Tool (EHIA)	One copy per group
IEC Material	<ul style="list-style-type: none"> Health & Hygiene Small scale water purification COVID-19,
Human Resources	<ul style="list-style-type: none"> 34 Environmental Health Students, Community Health Workers 1 per shelter Environmental Health Practitioner 1 per group
Transport to facilities	1 Bus
Personal Protective Equipment (Masks)	34
Hand Wash Kits	500
Wheelie Bins	10
Black refuse bags	Cleansing & Solid Waste
Sanitizers	72

5. Proposed Project Timeline

Table 3: Project Timeline

Date	Milestone Title	Description or Activity
2022/05/19	Drafting of framework	Identification of Human and Material Resources needs
2022/05/20	Framework and project plan submission	Submission of the project plan for comments to the task team
2022/05/23	Review of comments	Consolidation of inputs from the task team
2022/05/24	Presentation to the task team	Presentation of the Project Implementation Plan to the Stakeholders
2022/05/27	Presentation to National EH	Presentation of the project plan to NDoH by Provincial Director
2022/05/30	MUT Student briefing	Briefing session of MUT students & EHPs on the project implementation by PCRM: EH M&E
2022/05/31	South District	Project implementation at South District
2022/05/01	West District	Project implementation at West District
2022/06/02	North District	Project implementation at North District

6. Project Action Plan

5.1 Drafting of the framework for the project implementation

The project framework will be drafted by the eThekweni Environmental Health M&E.

5.2 Submission of the project plan to stakeholders

The drafted project plan will be submitted to the task team for comments and the inputs will be consolidated by the eThekweni Environmental Health M&E.

5.3 Presentation to all Stakeholders

A presentation will be conducted to the task team including all important information about the project such as resources, PPE, and dates.

5.4 Presentation to National Department of Health

The Provincial EH Directorate will present the project plan to the National Department of Health.

5.5 Briefing Session with MUT Students

Students will be briefed on the project background, aim, and objectives of the project. The brief will include expectations on inputs and outcomes of the project. Students will be granted an opportunity to bring in their inputs and ask questions. All PPE requirements will be discussed as well as starting days and times. Students will be briefed on what is required of them during the project implementation.

EHPs will be allocated with students to work with at the identified facilities. Students will be divided among different EHPs and facilities and be provided with educational materials and other resources available.

5.6 Project Implementation Plan

(Subject to change depending on availability of Communities in Temporal Shelters)

During the implementation of the project the following activities will be carried out:

- Community Health Risk Assessment using relevant data collation tools.

- Community Health & Hygiene Awareness on various environmental health interventions to protect their health (Waterborne Diseases,
- Foodborne Diseases, COVID-19 protocols etc.
- Supply or available resources that may assist community health.

A group of 30 Environmental Health Students will conduct a Risk assessment and community Health and Hygiene Education in all three Sub-Districts (South, North & West) as per Table 4.

Table 4: Project Implementation Plan

Timeline		Activities to be conducted	Resources Required	
			Human	Material
Day 1*	South Sub-District			
	South 1			
	Ultra-City Shelters North Bound	Environmental Health Impact Assessment & Health & Hygiene Awareness	1 x EHP (Team Leader), 17 Students & 1 X CHW	Data Collation tool & IEC Material
	Ultra-City Shelters South Bound	Environmental Health Impact Assessment & Health & Hygiene Awareness	1 x EHP (Team Leader), 17 Students & 1 X CHW	Data Collation tool & IEC Material
Day 2	South 2			
	Tafelkop (Community)	Environmental Health Impact Assessment & Health & Hygiene Awareness	1 x EHP (Team Leader), 17 Students & 1 X CHW	Data Collation tool & IEC Material
	Intake areas (Community)	Environmental Health Impact Assessment & Health & Hygiene Awareness	1 x EHP (Team Leader), 17 Students & 1 X CHW	Data Collation tool & IEC Material
Day 3	South 3			
	Isipingo Beach Hall.	Environmental Health Impact Assessment & Health & Hygiene Awareness	1 x EHP (Team Leader), 17 Students & 1 X CHW	Data Collation tool & IEC Material
Day 4	West Sub-District			
	South 8			
	St Wendolins Community Hall	Environmental Health Impact Assessment & Health & Hygiene Awareness	1 x EHP (Team Leader), 5 Students & 1 X CHW	Data Collation tool, IEC Material, Transport
Day 5	West 1			
	Molweni Community	Environmental Health Impact Assessment & Health & Hygiene Awareness	1 x EHP (Team Leader), 5 Students & 1 X CHW	Data Collation tool & IEC Material, Transport
	Unyazi School (uMzinyathi)	Environmental Health Impact Assessment & Health & Hygiene Awareness	1 x EHP (Team Leader), 5 Students & 1 X CHW	Data Collation tool & IEC Material, Transport
Day 6	West 2			
	Ntshongweni Community Hall	Environmental Health Impact Assessment & Health & Hygiene Awareness	1 x EHP (Team Leader), 5 Students & 1 X CHW	
Day 7	West 3			
	Nazareth Ireland			
		Environmental Health Impact Assessment & Health & Hygiene Awareness	1 x EHP (Team Leader), 17 Students & 1 X CHW	Data Collation tool & IEC Material, Transport
Day 8	North Sub-District			
	North 4			
	Amatikwe Community Hall	Environmental Health Impact Assessment & Health & Hygiene Awareness	1 x EHP (Team Leader), 5 Students & 1 X CHW	Data Collation tool & IEC Material, Transport

	Nhlungwana Community Hall	Environmental Health Impact Assessment & Health & Hygiene Awareness	1 x EHP (Team Leader), 5 Students & 1 X CHW	Data Collation tool & IEC Material, Transport
	Zwelisha Community Hall	Environmental Health Impact Assessment & Health & Hygiene Awareness	1 x EHP (Team Leader), 5 Students & 1 X CHW	Data Collation tool & IEC Material, Transport
	Amaoti Community Hall	Environmental Health Impact Assessment & Health & Hygiene Awareness	1 x EHP (Team Leader), 5 Students & 1 X CHW	Data Collation tool & IEC Material, Transport

**Timeline (Subject to change)*

Day 9: Mangosuthu University of Technology

The task team will meet at the Mangosuthu University of Technology for consolidation and verification of Data collated during the on-site visits.

Day 10: Report Writing

A full report of the project with the finding of the risk assessment and all deliverables of the project will be drafted and circulated to all relevant stakeholders once approved.

The findings or recommendations will be used for the improvement of the current situation and for future planning purposes as part of the Environmental Health Disaster Management.