

3.11 ENVIRONMENTAL HEALTH

INTRODUCTION TO HEALTH

Environmental Health Services comprises those aspects of human health, including quality of life that are determined by physical, chemical, biological and social factors in the environment, all of which have a detrimental effect on an individual's physical, social and mental well-being. The nine key competencies of Environmental Health are: water quality monitoring, food control waste management, health surveillance of premises, environmental pollution control, surveillance and prevention of communicable disease, vector control, disposal of the dead and chemical safety. These competencies were included in the SDBIP, for monitoring and implementation by the EHPs and EHAs.

In terms of SANS 241 of 2015, it is obligatory that water for drinking purpose, contain zero ecoli. To this end, the monitoring of water received top priority, and EHPs embarked on a systematic, intensive and methodical monitoring campaign, whereby water from protected sources, such as bore-holes, etc were sampled regularly. EHPs are working very closely and in unison with the Water Services Authority, ensuring that water was safe for human consumption and, final effluent emanating from waste water treatment works, comply with the necessary legislation.

3.11.1 FOOD CONTROL, COMMUNICABLE DISEASE, HEALTH, HYGIENE AND EDUCATION

3.11.2 FOOD SAFETY

Izimbizos, including mayoral and presidential, were held throughout the entire Ugu District. The visibility of EHPs, whose task had been to educate and sensitize all food caterers, ensured that food served to patrons, was safe, and that no incidences of food poisoning case had been reported. EHPs also participated in the Provincial food runs, which necessitated the taking of food samples at various food outlets in the District.

Significant progress has already been made regarding the compilation of the Public Health Bylaws. The by-laws are now in the public participation stage and, its eventual implementation will undoubtedly greatly assist EHPs, in ensuring compliance in the entire Ugu District. A comprehensive food assessment template has already been developed and implemented at food

outlets, as a precursor to the implementation of the Public Health By-laws.

3.11.3 COMMUNICABLE DISEASE

All communicable disease notifications are reported and investigated instantaneously to prevent further spread of the disease, an outbreak or even death. Emerging disease such as diphtheria, rabies etc were recently reported and investigated in our district. Waterborne diseases are also reported by health facilities for our interventions. Environmental Health plays a pivotal role in working jointly with Communicable Disease Control to curb diseases. Our disease profiling system has played a significant role in terms of our interventions to curb diseases. Health and hygiene education is intensified by our health promotion unit and water is tankered to high risk areas to avert waterborne disease.

3.11.4 ENVIRONMENTAL HEALTH AND HYGIENE EDUCATION

Environmental Health and Hygiene education is promoting health awareness and understanding, which in turn leads to environmental and behavioral improvement of our communities. Communities are empowered through health education to identify, prevent, control and manage water, sanitation related diseases and other environmental health factors.



SERVICE STATISTICS FOR HEALTH INSPECTION

SERVICE STATISTICS FOR HEALTH INSPECTION, Etc		
OBJECTIVE	TARGETS	ACTUAL
Water quality monitoring	900	1360
Sanitation compliance	20	21
Workshops, awareness and campaign sessions	44	46
Create awareness at food outlets and industries on impact of fats and oils at WWTW	140	141
Microbial Swabbing	100	0
Food handlers education workshops sessions	8	10
Food Premises monitoring	700	717
Pauper burials	100%	100%
Building Plans	400	603
Health compliance non- food premises	320	350
Communicable Disease Surveillance	100%	100%
Surveys on WWTW	184	236
Communicable diseases Control	100%	100%
Waste Water Treatment Works	184	236
Communicable Disease Health and Hygiene Education	300	350
Chemical Safety	120	137
PHAST Methodology	60	76
Water and Sanitation	300	321

Table 3.11.1

Health Inspection and Etc Policy Objectives Taken From IDP									
Service Objectives <									

Table 3.11.2

PERFORMANCE OF HEALTH INSPECTIONS OVERALL

Generally all objectives in terms of inspections conducted were achieved

Employees: Health Inspection etc.					
Job Level	2014/2015	2015/2016			
	Employees	Posts	Employees	Vacancies (fulltime equivalents)	Vacancies (as a % of total posts)
	No.	No.	No.	No.	%
0 - 3	4	4	4	0	0
4 - 6	18	18	18	0	0
7 - 9	8	8	8	0	0
10-12	5	5	5	0	0
13-15	0	0	0	0	0
16-18	0	0	0	0	0
Total	35	35	35		
					Table 3.11.3

COMPONENT F: SECURITY AND SAFETY

INTRODUCTION TO SECURITY & SAFETY

Information to be provided in February 2017

3.12 DISASTER MANAGEMENT

INTRODUCTION TO DISASTER MANAGEMENT

The Disaster Management function within the district is coordinated in partnership with the six Local Municipalities, namely: Umdoni, Ezinqoleni, Umzumbe, Vulamehlo, Hibiscus Coast and Umuziwabantu.

The area covered by the District Municipality is 5046 km² and includes a coastline of some 112 kilometers with 42 estuaries. The topography of the district is severe, characterised by extensive river gorges and hilly areas. These characteristics make the development of infrastructure difficult and costly as well as making rescue operations difficult in the event of an emergency.

The District currently promotes an integrated and multi-disciplinary approach to disaster management in the municipal area and facilitates disaster management planning activities and the implementation of disaster risk reduction and preparedness programmes with special emphasis on prevention and mitigation.

DISASTER MANAGEMENT PRIORITIES

- Establishment of the New District Disaster Management Centre

- Institutional Capacity in Disaster Management & Fire Service within both District and Local Municipalities.
- Risk Assessment and Risk Reduction

Status of the Disaster Management Centre

The District established a Disaster Management Centre in 2005, which specialises in issues concerning disasters and disaster management. The centre is promoting an integrated and coordinated approach to disaster management, with special emphasis on prevention and mitigation, by the department and other internal units within the administration of the District and Local Municipalities.

With the support from the Provincial Disaster Management Centre, the District has managed to complete Phase 1 of the construction of the District Disaster Management Centre which was completed in April 2015 and planning and implementation for Phase 2 is underway

The satellite centre is situated in Umzinto area and functioning very well. It also provides support to the nearby Local Municipalities which are Umzumbe and Vulamehlo. The satellite centre is also utilized as a training centre for fire fighters and volunteers.

Details of the Current DM-Centre: -

- The centre is located at R102 Ext 2, Marburg in the Hibiscus Coast Municipal Area
- The centre has two floors with 8 offices, kitchen, boardroom that can accommodate 50pp, reception area, camera room, server room and control room.
- We are currently using four (4) lockable stalls located at the Ugu Fresh Produce Market for stock keeping.

Operational Functions

The Disaster Management is placed under the Portfolio Committee on Sound Governance and Human Resources, where the committee takes decisions and further makes recommendations to the Executive Committee and Council.

District Disaster Management Advisory Forum (DDMAF)

The District Disaster Management Advisory Forum is fully operational and was formed in terms of the Disaster Management Act No. 57 of 2002, Section 51 coupled with Section 42, which require the municipality to establish a multi-disciplinary structure consisting of representatives from the District Municipality, all Category B municipalities within the district, provincial departments who have a role to play in disaster management and have district offices within the area, senior representatives of national departments within the area and other role-players i.e. NGOs in the district.

The Forum is being utilised as “a body in which a municipality and relevant disaster management role players in the municipality consult one another and coordinate their actions on matters relating to disaster management.” The Forum meets at least four times per annum. All 6 Local Municipalities also have their Local Disaster Management Advisory Forum.

District Practitioners Forum Meetings

The District together with a CoGTA Support Team as well as the Local Municipalities convenes the District Disaster Management Practitioners Meetings. The Practitioner’s Forum is a platform planning group with the main objective being the coordination of the daily operations of disaster risk management. This group allows the municipalities to engage with one another and share their experiences, lessons learnt and planning exercise. At the same time, it enables the district to coordinate the functions and operations on a district level to ensure that there is no duplication of activities and all aspects of disaster management are dealt with by a responsible authority.



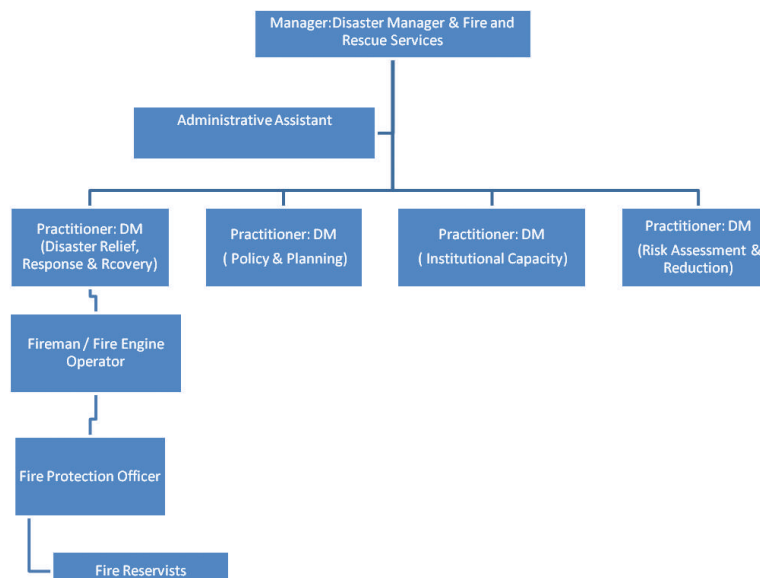
New building- Disaster Management Centre

The District Practitioners Forum meetings are convened bi - monthly at the Disaster Management Centre where all Local Municipality Practitioners participate and report on Disaster Management programs and projects.



District Practitioners Meetings

DISASTER MANAGEMENT INSTITUTIONAL CAPACITY



In terms of personnel, the current structure is as follows:

- Manager Disaster Management
- Fire Protection Officer
- 3 x Disaster Management Practitioners (1 Vacant)
- 1 x General Assistant
- 1 x Fire Engine Operator
- 6 x Trainee Fire Fighters
- 3 x CoGTA Support Team members

STATUS OF DISASTER MANAGEMENT POLICIES

The District has the following adopted plans in place: -

- District Disaster Management Plan
- Disaster Management Sector Plan
- A Policy Framework for Disaster Risk Management
- Disaster Management Bylaw
- Fire and Rescue Bylaw

The District Fire and Rescue Bylaw, Disaster Management Bylaws were developed and adopted by Council. The bylaws were published in the Provincial Extra Ordinary Gazette. The district further supports the local municipalities with the development of their disaster management plans and these have been completed in all six LMs.

READINESS TO DEAL WITH A DISASTER INCLUDING FINANCIAL CAPABILITIES

The District Municipality in partnership with the family of Local Municipalities is ready to deal with disasters. Hibiscus Coast and Umdoni Municipality have 24hr emergency Call Centers that receive calls reporting emergency incidents. The Call Centres also support the other local municipalities who do not have Call Centers by recording incidents reported and allow for the necessary response. The Control Centers are operating on a shift system, with two controllers on each shift. Each local municipality has one or two staff members dedicated to disaster management duties and available for 24 hours.

STATUS OF DISASTER RISK ASSESSMENTS UNDERTAKEN

Ward Based Risks Assessments and prioritization were conducted in all six local municipalities within the District. In order to address the IDP objective on mitigation against disasters, Ugu District Municipality adopted a strategy on municipal ward based risk assessment which resulted into prioritisation and implementation of the project on hazard identification and risk prioritisation. The Ugu family of Municipalities working with communities of Ugu have identified the below listed risks and prioritised them accordingly. Emanating from these risks, projects towards mitigating same were identified and integrated into the IDP.

The Disaster Management Ward Based Risk Assessment and the Risks were prioritized per ward within 6 LMs in Ugu District.

Risk Profile per Local Municipality

Ugu	Ezinqoleni	Umdoni	Hibiscus Coast	Umuziwabantu	Umzumbe	Vulamehlo
	Fire(Veld/Structural)	Drought	Fire(Veld/Structural)	Fire(Veld/Structural)	Fire(Veld/Structural)	Fire(Veld/Structural)
	Drought	Fires	Floods	Drought	Drought	Drought
	Water Pollution	Floods	Drought	Floods	Floods	Floods
	Human diseases	Cholera	Hail Storms	Lighting/Thunder storms	Lighting/Thunder storms	Cholera
	Floods	Water pollution	Tidal Wave	Air pollution	Deforestation	Lightning/Thunderstorms
	Lightning/Thunderstorms	Strong Winds	Illegal Connection	Hazmat	Hazmat	Wild Pigs
	Illegal Connections	Rabies	Strong Winds	Water pollution	Waste management	Rabies
	Air Pollution	Tidal waves	Lightning/Thunderstorms	Wind storm	Human diseases	Severe storm
	Wild Pigs	Severe storms	Water pollution	Human Diseases	Water pollution	Wind storm
	Hazmat	Air pollution	Land Degradation	Rabies	Severe storm	Water pollution

Table 3.12.1

INCIDENTS OCCURRED DURING THE YEAR

The district experienced the following incidents in the 2014/15 financial year:

- Fires: structural
- Veld fires
- Heavy rains and
- Strong winds
- Drought
- Lightning

INCIDENT STATS PER LOCAL MUINICIPALITY

	Ezingoleni	Hibiscus Coast	Umdoni	Umuziwabantu	Umzumbe	Vulamehlo
	Strong Winds –SW; Veld Fires – VF; Heavy Rains – HR; Lightning – L; Fire - F					
	SW, SF, HR	SF, HR, SW, ST, L	SF	SF, SW, VF, L, HR	SF, HR, SW, ST	SF, SW, HR, ST
July – September 2015	2	24	0	4	15	8
October – December 2015	6	9	5	15	18	15
January – March 2016	6	13	5	15	18	11
April – June 2016	4	11	0	6	14	7
TOTAL	18	57	10	40	65	41

Table 3.12.2

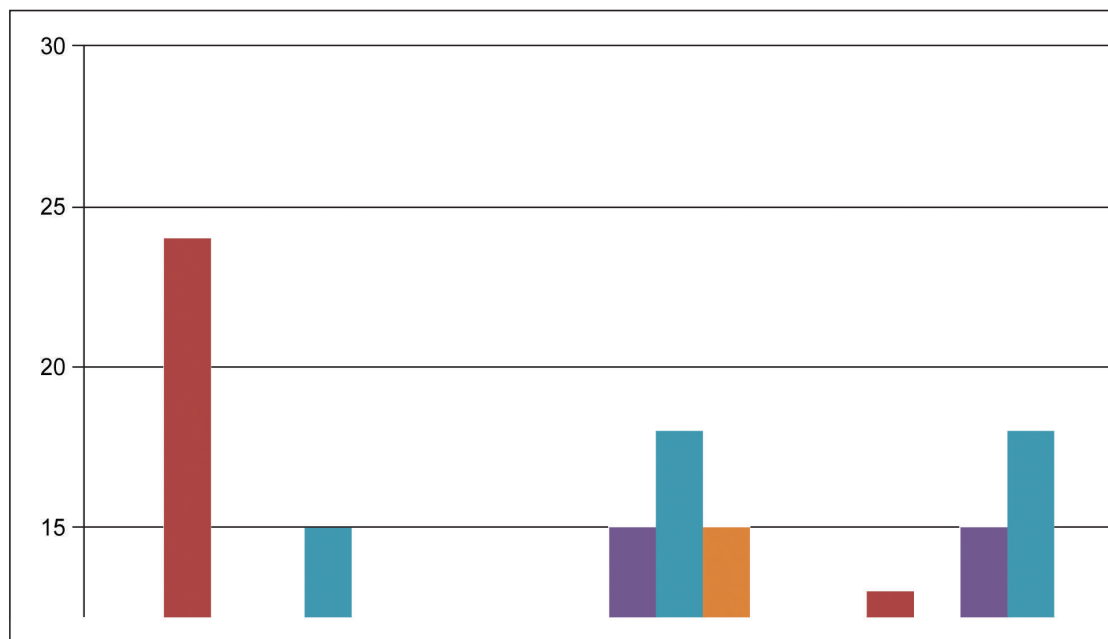


Table 3.12.3

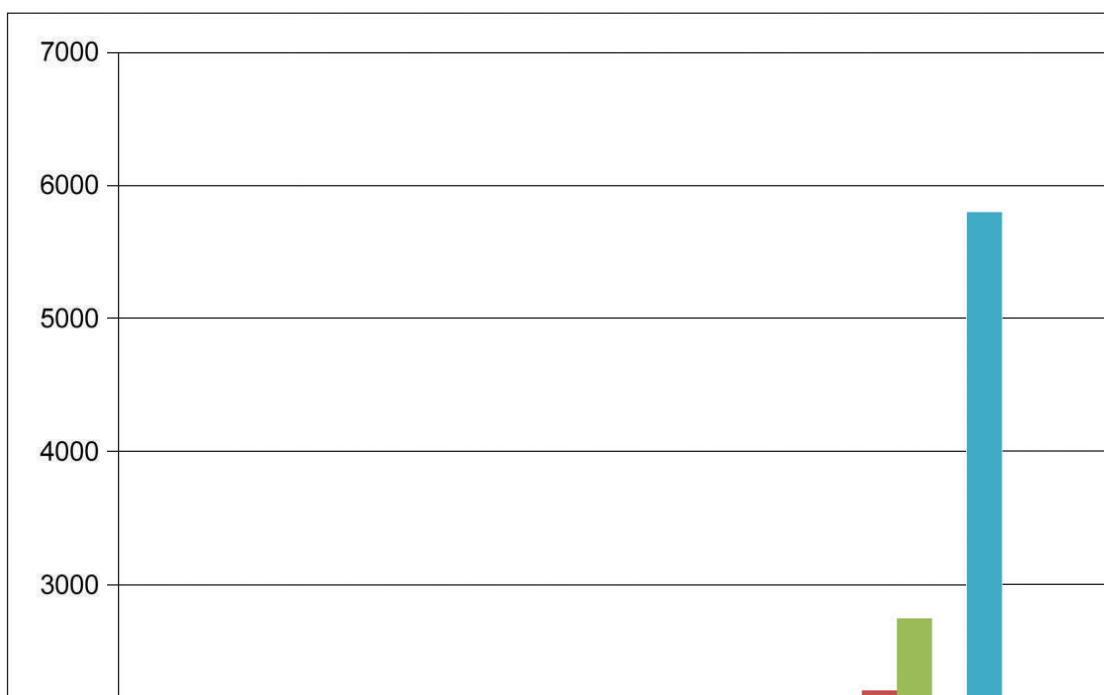


Table 3.12.4

3.12.1 DISTRICT FIRE SERVICES

The District identified and prioritized **four (4) Local Municipalities** within the District to be assisted with Firefighting shared services namely: -

- Umuziwabantu LM
- Ezingoleni LM
- Umzumbe LM and
- Vulamehlo LM

Each Local Municipality was allocated a fire truck (except Umuziwabantu) and a total funding of R317 162.50 was allocated per Local Municipality which was utilized towards the purchase of the necessary fire equipment, protective clothing and for the appointment of a minimum of four (4) Trainee Fire Fighters per Local Municipality.

3.12.2 DISTRICT FIRE SERVICES



The district municipality is currently in the process of establishing a fully functional Fire and Rescue Unit. These are the approved positions in line with the organogram: -

- (a) Fire Engine Operator
- (b) Fire Protection Officer
- (c) Reservists

The position of the Fire Engine Operator has been filled in line with the approved organogram. The District has further proposed District's Reservist who will be supporting the District Fire Team and serving as a backup to Local Municipalities. The district has seven (7) trainee fire fighters who will also form part of the reservist. These trainees are currently undergoing extensive training which comprise of theory and practical.

3.12.3 Local Municipalities Fire Services

- The district further provided basic training for the fire fighter trainees at a local Level.
- The purpose of the training was to provide the new recruits with an insight of Fire and Disaster Management.
- The training provided included Basic Fire and Disaster Management training, Hazmat Awareness and Incident Management.
- The Provincial Disaster Management Centre supported the district in rolling out some of the trainings.

3.12.4. PERFORMANCE OF DISASTER MANAGEMENT

(1) Annual Targets

In relation to annual performance targets, the disaster management team achieved 100% of all set targets.

(2) Provision of Fire and Rescue Services

The District Disaster Management Office assisted with the establishment of Fire Services units for both the district and 4 Local Municipalities and further ensured provision of necessary equipment and vehicles, including personnel.

(3) Ward Based Structures and EPWP

Established initiatives that are directed at mitigating disaster risks including the establishment of ward based structures. The project was done as an Extended Public Works programme, running for a period of 6 months. Although this project was meant for capacitating the community while reducing the disaster risks, through this initiative 40 job opportunities were created;

While acquiring skills through this program volunteers also earned a salary that allows them to support their families. This program has also assisted Umzumbe Local Municipality to respond effectively and efficiently hence improved service delivery enormously.

(4) Emergency Relief Stock

The District Disaster Management Team also appointed a panel of service providers for emergency relief stock provision to the communities that are affected by disasters. A number of affected communities and households received support through provision of blankets, shelter (wendy houses) and lightning conductors.

(5) Education, Training and Public Awareness

To reach a larger audience and make necessary impact in the community we have printed awareness material and further translated such in vernacular language. i.e. Zulu as the district is mainly dominated by isiZulu speaking communities.

(6) Construction of Disaster Management Centre

The District implemented key projects including the construction of the Disaster Management Centre, planning for the implementation of phase 2 of the Centre is underway;

(7) Capacity building and training

The District appointed an accredited service provider to provide Fire and Rescue Training. A total of 18 Trainees completed the training programme. The trainees were selected from the 6 respective Local Municipalities.

CONCLUSION

The centre is there to give guidance in the municipal area to assess and prevent or reduce the risk of disasters. It is a legislative requirement for the centre to submit annual reports to the Municipal Council, the Provincial Disaster Management Centre, and the National Disaster Management Centre and to each Local Municipality in the area of the District Municipality.

The above is within the ambit of collaboration and cooperative governance as required by the Constitution of the Republic of South Africa and legislation regulating the local government dispensation.

Employees: Disaster Management					
Job Level	2014/2015	2015/2016			
	Employees	Posts	Employees	Vacancies (fulltime equivalents)	Vacancies (as a % of total posts)
	No.	No.	No.	No.	%
0 - 3	1	1	1	00	00
4 - 6	6	5	5	00	00
7 - 9		1	1	00	00
10 - 12					
13 - 15	1	1	1	00	00
16 - 18	3	1	1	00	00
19 - 20					
Total	11	9	9	00	00

Table 3.12.4.1

Financial Performance 2014/2015: Disaster Management					
R'000					
Details	2013/2014	2014/2015			
	Actual	Original Budget	Adjustment Budget	Actual	Variance to Budget
Total Operational Revenue		5891	11288	7277	19%
Expenditure:					
Employees		0	0	0	0
Repairs and Maintenance		0	0	0	0
Other		5523	5674	3323	-66%
Total Operational Expenditure	0	5523	5674	3323	-66%
Net Operational Expenditure	0	-368	-5614	-3954	91%

Table 3.12.4.2