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# **ETHEKWINI MUNICIPALITY**

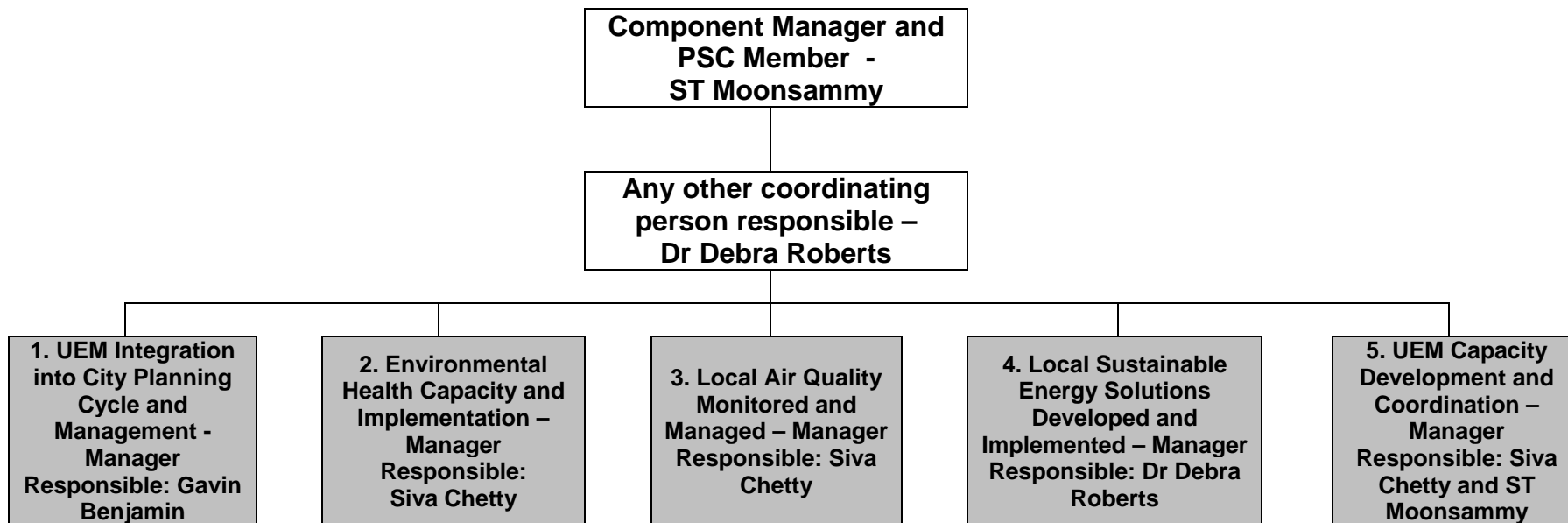
**Extract from Approved Business Plan  
To show Danida-supported  
UEM Outputs and Budgets**

**1 JULY 2007 TO 30 JUNE 2008**

# 1. GENERAL DESCRIPTION

**1.1 NAME OF DIRECTORATE / DEPARTMENT: Development Planning and Management Unit (including Environmental Management Department) and Health Department**

## 1.2 ORGANOGRAM



### 1.3 NAMES OF MANAGERS RESPONSIBLE FOR REPORTING AND SIGNING OFF ON UEM FUNDS

POST	NAME OF INCUMBENT	CONTACT DETAILS		
		Tel:	Mobile:	e-mail
Overall person responsible for UEM Programme and PSC Representative - Acting Deputy City Manager: Sustainable Development and City Enterprises	Ms S T Moonsammy	031 – 311 7885	083 288 8796	moonsammys@durban.gov.za
Mandated alternate member of Programme Steering Committee and responsible for thematic area – energy – Deputy Head: Environmental Management	Dr Debra Roberts	031 – 311 7527	082 451 9769	robertsd@durban.gov.za
Manager responsible for thematic area – development planning – Deputy Head: Development Planning	Gavin Benjamin	031 -311 7888	083 307 0203	benjaming@durban.gov.za
Manager responsible for thematic areas - air quality, environmental health and capacity development – Deputy Head: Pollution Control Support and Risk Management, Health Unit	Siva Chetty	031 -311 3690	083 3878110	chettysiva@durban.gov.za

The key participants of the eThekweni Municipality UEM programme are the Development Planning Environment and Management Unit (which includes the Environmental Management Department) and the Health Unit. The city's IDP is organised into eight separate but related plans which make up the Eight Point Plan. The key plans of relevance to the UEM programme are Plan 1: Sustaining our natural and built environment and Plan 4: Safe, healthy and secure environments. Refer to copy of the IDP attached (2007/08 IDP only to be released in June/July 2007).

## **2. ACTIVITIES**

**Programme Development Objective is:** “*Sustainable and poverty-oriented environmental management of urban areas in South Africa*”.

**Component Three Development Objective is:** “*Improved local urban environmental management and planning for poor communities.*”

**Component One Immediate Objective is:** “*Improved municipal capacity for integrated urban environmental management, planning and monitoring.*”

**The outputs identified to support the achievement of the above agreed objectives are as follows:**

- 1. UEM integrated in city planning cycle and city management**
- 2. Environmental Health capacity and implementation**
- 3. Local air quality monitored and managed**
- 4. Local sustainable energy solutions developed and implemented**
- 5. UEM Capacity development and coordination**

The DANIDA UEM programme focus is on institutionalising good UEM practices with direct and indirect benefits to the poor and marginalized. To this end the UEM programmes and projects identified by the eThekweni Municipality will result in UEM tools (i.e. policies, plans, projects and capacities) critical to achieving ongoing sustainability in the municipal area. These identified outputs are aligned closely with the eThekweni Council’s IDP - DRAFT (2007/2008) with specific reference to Plan 1: Sustaining our natural and built environment and Plan 4: Safe, healthy and secure environment of the city’s Eight Point Plan (refer to IDP attached – **not yet available – to be published in June/July 2007**).

The UEM activities/projects identified by the eThekweni Municipality for the 2007/2008 financial year are summarised in the following table according to the five UEM outputs outlined above. Details of each project follow, with additional details provided in the ‘Annexure 6’ format, appended to this Business Plan. Proposed Council budgets for 2007/08 for the relevant departments are also attached for reference purposes.

The six-monthly reporting and monitoring table follows each project for ease of reference.

**SUMMARY TABLE OF ETHEKWINI UEM ACTIVITIES**

	<b>UEM OUTPUTS</b>	<b>Project priority (1 – high)</b>	<b>5 year Estimated Budget</b>	<b>Estimated 2006/07 budget</b>	<b>Estimated 2007/08 budget</b>	<b>Estimated Remainder</b>	<b>Associated Municipal Budget 0708</b>
<b>1</b>	<b>UEM integrated in city planning cycle and management</b>		<b>2,000,000</b>	<b>500,000</b>	<b>450,000</b>	<b>1,050,000</b>	
	Develop and implement a sustainable and integrated spatial planning system:						
	(1) Alignment between Outer West Town Planning Scheme and Environmental Services Management Plan	9			200,000		0
	(2) Shongweni Local Area Plan	10			250,000		100,000
<b>2</b>	<b>Environmental health capacity and implementation</b>		<b>2,250,000</b>	<b>800,000</b>	<b>1,150,000</b>	<b>300,000</b>	
	(1) Informal settlement health & safety interventions - Ph 2	5			200,000		213,000
	(2) Informal traders food safety interventions – Ph 2	6			400,000		300,000
	(3) Training for environmental health practitioners – Ph 2	11			250,000		Int resources
	(4) Vector control training interventions – Ph 2	7			100,000		Int resources
	(5) Safe Drum Project	8			200,000		Int resources
<b>3</b>	<b>Local air quality monitored and managed</b>		<b>2,750,000</b>	<b>500,000</b>	<b>500,000</b>	<b>1,750,000</b>	
	(1) Vehicle emissions management (diesel)	2			250,000		Int resources
	(2) Application of cleaner production practices into the regulatory framework	3			150,000		250,000
	(3) Training of technicians in air monitoring instrumentation repair	4			100,000		Int resources
<b>4</b>	<b>Local sustainable energy solutions developed and implemented</b>		<b>1,000,000</b>	<b>315,000</b>	<b>685,000</b>	<b>0</b>	
	Sustainable Energy Strategy (Phase 2)	1			685,000		0
<b>5</b>	<b>UEM Capacity development and co-ordination</b>		<b>3,000,000</b>	<b>110,000</b>	<b>0</b>	<b>2,890,000</b>	<b>-</b>
	<b>Sub-total</b>		<b>11,000,000</b>	<b>2,225,000</b>	<b>2,785,000</b>	<b>5,990,000</b>	
	<b>Short Term TA</b>		<b>2,000,000</b>				
	<b>TOTAL</b>		<b>13,000,000</b>				863,000 plus int resources

## **1. UEM INTEGRATED IN CITY PLANNING CYCLE AND MANAGEMENT**

### **(1) ALIGNMENT BETWEEN OUTER WEST TOWN PLANNING SCHEME AND ENVIRONMENTAL SERVICES MANAGEMENT PLAN**

#### **PROJECT DESCRIPTION:**

##### **Implementing Department**

Development Planning

##### **Brief overview of project**

The key objectives of this project are to:

1. Prepare a policy document on how deal with zoned land that is in conflict with the city's Environmental Services Management Plan (open space system), and;
2. Prepare guidelines of how the ESMP and Town Planning Schemes interrelate, and the implications for developers, property owners and Council staff.

The project will focus on a pilot area in the Outer West area of the city.

The project will involve the identification of zoned land parcels in the Outer West affected by the ESMP, the identification of areas of conflict, the investigation of potential solutions and engagement with key stakeholders. A policy document will then be drafted and submitted to Council for approval. A guideline document will then be prepared to inform relevant stakeholders, and will be made available on the City's website and at information counters.

##### **Alignment with UEM objectives**

The project aims to reinforce the intentions of the Environmental Services Management Plan - i.e. to ensure that the city's environmental asset (particularly in the Outer West area which is the city's key catchment area) is maintained and enhanced. Continued protection of this environmental asset will ensure that environmental goods and services continue to be provided, which are critical for enabling and sustaining sustainable livelihoods. If not protected, negative impacts will accrue to the poor who rely on the environmental asset for their livelihoods.

##### **Intergovernmental cooperation**

The Development Planning Department will work closely with the Environmental Management Department and the Geographic Information and Policy Unit, as well as with the provincial Department of Agriculture and Environmental Affairs in the execution of this project.

Key Performance Area	Key Performance Indicators	Targets for 2007/2008	Key activities	Time Frames for delivery in 2007/2008	Department Budget	Danida Budget
Develop and implement a sustainable and integrated spatial planning system:  <b>Alignment of Consolidated Outer West Town Planning Scheme (COWTPS) with Environmental Services Management Plan (ESMP) and Raising public awareness of ESMP and how it relates to Schemes</b>	Policy document on how to deal with zoned land that is in conflict with the ESMP – Pilot in Outer West	Table of zoned erven within the ESMP	1. Identification of land parcels affected by ESMP and existing town planning rights assigned	Sep '07	Nil (in-house resources)	R5,000
			2. Identification of areas of conflict/concern	Oct '07	Nil (in-house resources)	Nil
		Potential Solutions package	3. Identification of erven requiring further intervention	Nov '07	Nil (in-house resources)	Nil
			4. Investigate and identify potential solutions package	Feb '08	Nil	R 65,000
		Engagement with key stakeholders	5. Engagement with key stakeholders re affected properties	Mar '08	Nil	R 30,000
			6. Preparation of policy document	Apr '08	Nil	R 50,000
		Preparation of policy document	7. Adoption of policy by Council	May '08	Nil	Nil
			8. Implementation – Phase 2 of project 2008/2009 eg applicability of scheme amendments, expropriation, rates rebates	Nil 2008/2009	Nil	Nil
	Guidelines of how ESMP and Town Planning Schemes Interrelate – Implications for developers, property owners and Council counter staff	Guideline available to public on website and in booklet format at information counters	1. Preparation of mapping of ESMP on cadastral of OW	May '08	Nil	R 5,000
			2. DTP outcomes of policy document into simplified format for wider distribution	Jun '08	Nil	R 45,000
<b>TOTAL:</b>				<b>NIL</b>	<b>R200,000</b>	

**SIX-MONTHLY REPORTING AND MONITORING GUIDELINE TABLE**

KEY RESULT AREA	KEY ACTIVITIES / OUTPUTS	PERFORMANCE MEASURES		PROGRESS / STATUS	EXPENDITURE	
		TARGET DATE	INDICATOR		Department Budget	Danida UEM Budget
Policy document on how to deal with zoned land that is in conflict with the ESMP – Pilot in Outer West	1. Identification of land parcels affected by ESMP and existing town planning rights assigned	Sep '07	Mapping and tables			
	2. Identification of areas of conflict/concern	Oct '07	Workshop & tables			
	3. Identification of erven requiring further intervention	Nov '07	Workshop & tables			
	4. Investigate and identify potential solutions package	Feb '08	Workshop & tables			
	5. Engagement with key stakeholders re affected properties	Mar '08	Workshop			
	6. Preparation of policy document	Apr '08	Draft Report			
	7. Adoption of policy by Council	May '08	Council resolution			
	8. Implementation – Phase 2 of project 2008/2009 eg applicability of scheme amendments, expropriation, rates rebates	2008/2009				
Guidelines of how ESMP and Town Planning Schemes Interrelate – Implications for developers, property owners and council counter staff	1. Preparation of mapping of ESMP on cadastral of OW	May '08	Maps			
	2. DTP outcomes of policy document into simplified format for wider distribution	Jun '08	Guideline Booklet			

## **(2) SHONGWENI LOCAL AREA PLAN**

### **PROJECT DESCRIPTION:**

#### **Implementing Department**

Development Planning

#### **Brief overview of project**

This projects forms part of the Municipality's responsibility to prepare a package of plans within the Outer West Local Area. The Outer West Spatial Development Plan has identified Shongweni as a growth/expansion area that requires detailed planning to guide public and private investment. The key components of the LAP will include the strategic assessment of the area, the preparation of a Spatial Development Framework, the identification of infrastructure needs and phasing, the development of land use principles and guidelines and the formulation of an implementation framework. The above will be underpinned by a community consultative process.

#### **Alignment with UEM objectives**

A key sector that will be researched is the economic potential of Shongweni area. This will result in the identification of economic projects that will benefit the local low income community in terms of job creation. Furthermore, potential vacant land will be targeted for low income/affordable housing. These will have direct impact on poverty alleviation.

#### **Intergovernmental cooperation**

The Development Planning Department will work closely with all relevant local and provincial infrastructure and service departments. Crucial to the process is the involvement of the private sector and land owners in the execution of the project.

Key Performance Area	Key Performance Indicators	Targets for 2007/2008	Key activities	Time Frames for delivery in 2007/2008	Department Budget	Danida Budget
Local Area Plan: Shongweni	Preparation of Local Area Plan	Status Quo Report	1. Strategic assessment of study area	Dec '07	R100,000	R250,000
		Preparation of Draft Plan	2. Define role of area and develop Spatial Framework	Mar '08		
		Presentation of Plan to Key Stakeholders	3. Determine infrastructure implications and phasing of development, and amend Spatial Framework where necessary	May '08		
		Public Engagement	4. Present Spatial Framework to Council and public	Jun '08		
		Final report approved by Council	5. Review plan based on public process and finalise document for approval by Council	Sep '08 2008/2009		
				TOTAL:	R100,000	R250,000

**SIX-MONTHLY REPORTING AND MONITORING GUIDELINE TABLE****(2) SHONGWENI LOCAL AREA PLAN**

KEY RESULT AREA	KEY ACTIVITIES / OUTPUTS	PERFORMANCE MEASURES		PROGRESS / STATUS	EXPENDITURE	
		TARGET DATE	INDICATOR		Department Budget	Danida UEM Budget
Preparation of Local Area Plan for Shongweni	1. Strategic assessment of study area	Dec '07	Status Quo Report			
	2. Define role of area and develop Spatial Framework	Mar '08	Draft Spatial Framework Report			
	3. Determine infrastructure implications and phasing of development, and amend Spatial Framework where necessary	May '08	Draft Spatial Framework Report			
	4. Present Spatial Framework to Council and public	Jun '08	Draft Spatial Framework Report			
	5. Review plan based on public process and finalise document for approval by Council	Sep '08 2008/2009	Final Spatial Framework Report and Council Resolution			

## **2. ENVIRONMENTAL HEALTH CAPACITY AND IMPLEMENTATION**

### **(1) INFORMAL SETTLEMENT HEALTH & SAFETY INTERVENTIONS - PH 2**

#### **PROJECT DESCRIPTION:**

##### **Implementing Department:**

Health Department – Pollution Control Support Unit

##### **Brief overview of project:**

The primary aim of this project is to improve the quality of life of people living in informal settlements by engaging these communities to find appropriate solutions to environmental health challenges in these settlements. Specific areas of focus would include drainage, water supply, sanitation and refuse management.

##### **Alignment with UEM objectives:**

The project will:

- engage expertise to assist community in identifying and solving health challenges
- develop communication and organizational skills amongst the community
- provide guidance and leadership
- develop skills for entrepreneurship and self employment to deal with poverty alleviation
- ensure sustainability through job creation.

##### **Intergovernmental cooperation:**

The Health Department will work jointly with other spheres of government and other units within the Municipality so as to achieve maximum benefit for the communities. This would include the Provincial Health Department, the municipal Housing Unit, the Water and Sanitation units of the Council.

Key Performance Area	Key Performance Indicators	Targets for 2007/2008	Key activities	Time Frames for delivery in 2007/2008	Department Budget	Danida Budget
<p>To develop communication and organisational skills at community level aimed at resolving health challenges in informal settlements.</p> <p>To create sustainable employment opportunity through identifiable health service delivery needs</p>	Number of informal settlements engaged in terms of Health risk assessment	3	1. Identification of informal settlements in need of health management interventions	June 2007	R213,000 (Total)	R200,000 (Total)
			2. Engage consultant in terms of project proposal.	June 2007		
			3. Establish links with all key stakeholders per settlement and obtain agreement via MoU	June 2007		
			4. Monitoring and evaluation of progress by consultant	On-going		
	Number of health challenges successfully engaged and resolved	1 per settlement	1. Community health risk assessment	July 2007		
			2. Devising means for addressing identifiable health risk..	June 2007		
		6 x meetings	3. Identifying and training of local community members in the skills required to resolve health risks	September/ Oct 2007		
			4. Workshop all stakeholders on the proposed nature, type and purpose of interventions required.	January 2008		
		6 x workshops	5. Identify and engage resources necessary for s for the implementation of remedial action to deal with risks.	January 2008		
			6. Undertake remedial action and evaluate progress.	Jan - April 2008		
				<b>TOTAL:</b>	<b>R213,000</b>	<b>R200,000</b>

**SIX-MONTHLY REPORTING AND MONITORING GUIDELINE TABLE****(1) INFORMAL SETTLEMENT HEALTH & SAFETY INTERVENTIONS - PH 2**

KEY RESULT AREA	KEY ACTIVITIES / OUTPUTS	PERFORMANCE MEASURES		PROGRESS / STATUS	EXPENDITURE	
		TARGET DATE	INDICATOR		Department Budget	Danida UEM Budget
Identification of Informal Settlements	Surveys in three sub-districts	April 07	Reports from three sub-district			
Project proposal for engagement of consultant	Engagement of Consultant	June 07	Successful engagement of consultant			
Memorandum of Agreement	Engagement of All Stakeholders on MoU	July 07	Signing of Contract			
Community Steering Committee	Regular report back meetings	Monthly	Minutes and Agendas/ Reports			
Community health risks Assessments and Nature of Interventions required.	Field Surveys and investigations	Sept./ Oct	Reports			
Identifying local community labour and skills.	Interviews	Jan 08	No. of persons / skills identified			
Training and Workshops.	No. of training and Workshops undertaken	Jan. 08	No. persons trained.			
Engage resources to deal with health interventions identified	Monitor and evaluate remedial action in progress	March.08	N o. of persons engaged and no. of projects successfully completed			

## **(2) INFORMAL TRADERS FOOD SAFETY INTERVENTIONS – PH 2**

### **PROJECT DESCRIPTION:**

#### **Implementing Department**

eThekwini Health: Food Safety Section

#### **Brief overview of project**

The key objectives of this project are to:

To address the improvement and upliftment of informal traders & caterers involved in food preparation and the sale of foodstuffs.

The target is to have 30 % of informal sector trained and accredited in the preparation of safe food.

#### **Alignment with UEM objectives**

Training of informal food retailers will create a two fold benefit: firstly the food retailing business will be more sustainable by reducing the risk of failure in the preparation of unsafe food and secondly sustainable employment will be created in this sector thereby escaping the poverty trap. In the process of training and accreditation jobs will be created in the short term for the recruited service providers.

#### **Intergovernmental cooperation**

The Food Safety section within eThekwini Municipality will work with environmental health practitioners from the KZN Provincial Health Department. Skills transfer would take place as this would become a local government function. The Provincial National Health Departments will also be engaged.

Key Performance Area	Key Performance Indicators	Targets for 2007/2008	Key activities	Time Frames for delivery in 2007/2008	Department Budget	Danida Budget
To address the improvement and upliftment of informal traders & caterers involved in food preparation and the sale of foodstuffs	Percentage of informal traders and caterers trained and accredited	30% of informal sector trained and accredited	Continue with training and accreditation process – next phase of project initiated in 2006/07.	July 07 – June 08	Use internal staff including deputy managers for logistical support and co-ordination of work roll-out	R400,000
				TOTAL:	R300,000 internal resources	R400,000

**SIX-MONTHLY REPORTING AND MONITORING TABLE**

**(2) INFORMAL TRADERS FOOD SAFETY INTERVENTIONS – PH 2**

KEY RESULT AREA	KEY ACTIVITIES / OUTPUTS	PERFORMANCE MEASURES		PROGRESS / STATUS	EXPENDITURE	
		TARGET DATE	INDICATOR		Department Budget (R300 000)	Danida UEM Budget (R400 000)
Trained and accredited food retailers in the informal sector	Continue with training and accreditation process	July 07- June 08	No of certificates issued and informal traders trained			

### **(3) TRAINING FOR ENVIRONMENTAL HEALTH PRACTITIONERS – PH 2**

#### **PROJECT DESCRIPTION:**

##### **Implementing Department:**

Health Dept. – Pollution Control Support Unit

##### **Brief overview of project:**

The primary aim of this project is to improve the skills gap of Environmental Health Practitioners specifically in the field of Environmental Health Risk Management. This project is a continuation of the project undertaken in the 2007 financial year, where 21 Environmental Health Practitioners have been trained. Key focus areas include risk anticipation, recognition and evaluation with a distinct environmental health focus.

##### **Alignment with UEM objectives:**

The project will develop expertise to assist communities and the private sector in identifying and solving environmental health challenges by:

- Communication of Environmental Health Risks amongst communities.
- Communication of Environmental Health Risks amongst the industrial sectors.
- Prioritization of Environmental Health Risks amongst communities and the industrial sector.
- Provide leadership in the field of Environmental Health Risk Management.
- Ensure sustainable Environmental Health Risk Management.

##### **Intergovernmental cooperation:**

The Health Unit as part of the Municipal Health mandate will work jointly with other spheres of government namely National and Provincial. There will also be intra and inter sectoral collaboration between the various Municipalities and Municipal Units.

Key Performance Area	Key Performance Indicators	Targets for 2007/2008	Key activities	Time Frames for delivery in 2006/2007	Department Budget	Danida Budget
To address the skill gap of Environmental Health Practitioners (EHP's)	Number of EHP's trained	To train 30 EHPs	Hosting of training session – continue EHP training project initiated in 2006/07 by training a further 30 EHPs.	Aug-Sep 08	(R550 000#)	R250,000
				TOTAL:	In house resources	R250,000

# Total Skills Budget for Health Dept

**SIX-MONTHLY REPORTING AND MONITORING TABLE**

**(3) TRAINING FOR ENVIRONMENTAL HEALTH PRACTITIONERS – PH 2**

KEY RESULT AREA	KEY ACTIVITIES / OUTPUTS	PERFORMANCE MEASURES		PROGRESS / STATUS	EXPENDITURE	
		TARGET DATE	INDICATOR		Department Budget (In-house resources)	Danida UEM Budget (R250,000)
EHP's trained	Roll out and completion of training	July 08	30 trained EHP's			

#### **(4) VECTOR CONTROL TRAINING INTERVENTIONS – PH 2**

##### **PROJECT DESCRIPTION:**

##### **Implementing Department**

Health Department: Communicable Disease Centre

##### **Brief overview of project**

The key objectives of this project are to:

1. Have on the job training in vector control at the provincial level which will be achieved via workshops in
  - i. Southern KZN
  - ii. Midlands
  - iii. Northern Natal
2. Reproduction of materials to be issued to trained persons to continue the vector control programme in other areas of the province.

The materials that were developed in the current project (phase 1) will be used to promote the vector control training intervention.

##### **Alignment with UEM objectives**

The community based co-operative approach to vector control intervention will serve to reduce transmission of communicable diseases, improve the environmental status which will have a positive impact on human health. The co-operative approach will result in development of capacity in entrepreneurial skills enhancement at the local level. This approach will ensure local economic development by ensuring the control programmes are undertaken by local people who have been trained and capacitated in the project and will have the ability to run other community based projects on environmental health, water and sanitation, and other public health services. The scope of work will involve the provision of training and capacity building of EHPs in the Province of Kwa-Zulu Natal.

##### **Intergovernmental cooperation**

Other Municipalities in South Africa in particular those in KZN would be interested in learning the institutional approaches developed in rolling out community based cooperative managed vector control interventions. The Provincial and National Health Departments will also be engaged.

Key Performance Area	Key Performance Indicators	Targets for 2007/2008	Key activities	Time Frames for delivery in 2007/08	Department Budget ( R1,000,000**)	Danida Budget R100, 000
Provincial level capacity building in vector control	Reduction in outbreaks of vector borne communicable diseases.	Hold workshops and on the field training  Disseminate materials for application in other areas	Workshop in Southern KwaZulu-Natal	Sep 07	Use internal staff	R20 000
			Workshop in Midlands	Oct 07		R20 000
			Workshop in Northern KwaZulu-Natal	Nov 07		R20 000
			Reproduction of materials to be issued to trained persons to continue the vector control programme in other areas of the province	Mar 08		R40 000
				TOTAL:	NIL	R100,000

\*\* R1,000,000 Dept Budget – operations budget associated with co-operatives

## **SIX-MONTHLY REPORTING AND MONITORING TABLE**

### **(4) VECTOR CONTROL TRAINING INTERVENTIONS – PH 2**

KEY RESULT AREA	KEY ACTIVITIES / OUTPUTS	PERFORMANCE MEASURES		PROGRESS / STATUS	EXPENDITURE	
		TARGET DATE	INDICATOR		Department Budget	Danida UEM Budget
On the job training in vector control at the provincial level	Workshop in Southern KwaZulu-Natal	Sep 07	Attendance register + report on workshop			
	Workshop in Midlands	Oct 07	Attendance register + report on workshop			
	Workshop in Northern KwaZulu-Natal	Nov 07	Attendance register + report on workshop			
	Reproduction of materials to be issued to trained persons to continue the vector control programme in other areas of the province	Mar 08	Sample of materials issued with distribution lists			

**(5) SAFE DRUM PROJECT**

**PROJECT DESCRIPTION:**

**Implementing Department**

Health Department

**Brief overview of project**

The key objectives of this project are to:

1. Promote the sale of virgin drums (unused drums) by informal traders to the public. The project will ensure that supply of new drums at the same cost as used is sufficient to meet the demand.
2. To conduct an intensive public awareness programme on the risks associated with the use of chemical drums as a storage facility for water or any consumables. Information dissemination will be done through radio, newspapers, gazettes, posters, pamphlets, billboards, video development etc.
3. To develop and implement an effective control strategy for the illegal sale of used chemical drums to the public. This will include development of policy.

**Alignment with UEM objectives**

This project is aimed at ensuring a continued business by the informal traders thus alleviating poverty. It will ensure environmental protection as used drums are washed by traders in storm water drains leading to the streams and see thus impacting on the quality of water. It will also ensure risk reduction to the public associated with chemical residues from the used drums, when they are used as storage for consumables.

**Intergovernmental cooperation**

This project involves various Municipal Departments which have come to be party to it. It includes Health, Durban Solid Waste (Education), Ethekewini Water Services (Education), Communications, RCMASA (Responsible Container Management of South Africa) and Business Support, Metro Police etc.

Key Performance Area	Key Performance Indicators	Targets for 2007/2008	Key activities	Time Frames for delivery in 2007/08	Department Budget	Danida Budget
To conduct an intensive public awareness programme	Information dissipation to communities on the risks associated with the use of contaminated chemical drums as a food / water storage for consumption.	Launch	1.Launch of the project	July 2007	Time based involving staff from eThekweni Health	R200 000 (whole project)
		Workshops	2. Engage other Departments in terms of project planning & implementation	July 2007		
		Train the trainer				
		1 * Video	3. Identify key role players in project implementation	July 2007		
		1000 * Posters	4. Organise education materials including media involvement.	August 2007		
		7 * Billboards	5. Project. implementation	September 2007		
		Meeting	6. Monitor & evaluate progress	Ongoing		
To phase out the trade of used chemical drums	Number of virgin drums on sale by informal traders	All the traders of used chemical drums	1. Organise sponsors of virgin drums	July 2007	Time based involving staff from EM	
			2. Organise storage facilities for new drums	July 2007		
			3. Conduct meetings & workshops with informal traders	August 2007		
			4. Strengthen control measures through enforcement.	October 2007		
				TOTAL:	NIL	R200,000

**SIX-MONTHLY REPORTING AND MONITORING GUIDELINE TABLE****(5) SAFE DRUM PROJECT**

KEY RESULT AREA	KEY ACTIVITIES / OUTPUTS	PERFORMANCE MEASURES		PROGRESS / STATUS	EXPENDITURE	
		TARGET DATE	INDICATOR		Department Budget	Danida UEM Budget
<i>Public Awareness:</i>						
(1) Project Launch	Preparations for the launch	July 2007	Minutes of preparatory meetings			
(2) Organisation of educating materials	Do quotations for material & negotiation of pricing.	July 2007	Quotations			
(3) Involvements of other Departments	Conduct meeting with participating Depts	August 2007	Successful engagements of other Depts			
(4) Capacity Building	Train the trainer, workshops	September 2007	Workshop manuals / materials			
(5) Development of bylaws	Involve legal services to assist with bylaw development	November 2007	New bylaws			
<i>Phase out trade of used chemical drums:</i>						
(1) Identification of sponsors	Contact drum manufacturing, users & reconditioners for sponsoring price.	August 2007	Financial support / sponsorship security			
(2) Acquire storage facilities for new drums	Involve business unit in securing storage area for new drums	August 2007	Storage facility security			
(3) Informal traders association	Engage informal traders in project planning & implementation.  Meetings	August 2007	Minutes of meetings, reports			
(4) Illegal trading monitoring	Monitoring & control of drum trade & investigation of illegal traders	Ongoing	investigation reports			
(5) Enforcement of bylaws	Strengthen legislation	Ongoing	Enforcement development			

### 3. LOCAL AIR QUALITY MONITORED AND MANAGED

#### (1) VEHICLE EMISSIONS MANAGEMENT (DIESEL)

##### PROJECT DESCRIPTION:

###### **Name of Project**

Vehicle Exhaust Emissions Management/Strategy  
(Diesel exhaust smoke measurement)

###### **Implementing Department**

Pollution Control Support Unit

###### **Brief Overview of Project**

The key objectives of this project are

1. To ensure local air quality is monitored and managed by measuring/reducing through an improved regulatory system, the diesel exhaust smoke emissions in the eThekweni Municipality.
2. In terms of the new **NEMA Act**, to develop bylaws for the municipality to support enforcement of such vehicle emission standards.
3. Capacity building and training of all relevant employees/ role-players.

The project will involve a pilot study for a diesel exhaust testing/measurement station and would commence with a visit to the Cape Town Municipality to acquire capacity/information on similar bylaw formulation and vehicle emissions control. The project would then involve identifying instrumentation and purchasing test kit or equipment. Training for selected employees/role-players in the use of the equipment and the application thereof will follow. The process will involve all stakeholders/interested parties and all activities to be documented together with all feedback/input by relevant stakeholders, etc, with a draft and a final document produced and submitted for Council's approval.

###### **Alignment with U.E.M. objectives**

- The project would ensure that the municipality strives to implement the National Environmental Management Act.
- Local air quality is monitored and managed (*Council's social responsibility*).
- Environmental health capacity and implementation.
- Improved air quality = reduced health effects = less expenditure on health and medical costs (*Poverty reduction*).
- Job creation: should the project be extended to create more test stations in the municipality/province/nationally.

###### **Intergovernmental co-operation**

In the execution of this project, the Pollution Control Support Unit will work closely with the Environmental Health Department, Department of Public Safety/Metro Police, the Legal Services Dept, together with the Provincial Department of Transport, DEAT, DAEA and the Cape Town Municipality.

Key Performance Area	Key Performance Indicators	Targets for 2007/2008	Key activities	Time Frames for delivery in 2007/2008	Department Budget	Danida Budget
Ensure local air quality is monitored and managed	1. Measurement of emissions from diesel vehicles  2. Develop bylaws to support enforcement  3. Training of personnel to be involved in the project	Conduct measurement in pilot study	Purchase test kit	Aug-Sep 07	Staff allocations to the project including logistical support and technical support from the AQMS (existing)	R250,000 (whole project)
			Training in use of instrumentation	Sep-Dec 07		
			Application of instrumentation	Jan-April 08		
			Visit Cape Town Municipality to acquire capacity in bylaw formulation(vehicle emissions control)	Aug 07		
			Implementation of the system using measurement and enforcement protocol (this will also ensure Councillor involvement, identification of key parties (EHPs and Metro Police), undertaking of pilot application.)	Sep 07-April 08		
			TOTAL:	In-house resources*	R250,000	

\* R1,750,000 = total operating budget for AQM

**SIX-MONTHLY REPORTING AND MONITORING GUIDELINE TABLE**

**(1) VEHICLE EMISSIONS MANAGEMENT (DIESEL)**

KEY RESULT AREA	KEY ACTIVITIES / OUTPUTS	PERFORMANCE MEASURES		PROGRESS / STATUS	EXPENDITURE	
		TARGET DATE	INDICATOR		Department Budget	Danida UEM Budget
Improvement in air quality to conform to the Air Quality Act	Purchase test kit	Aug-Sep 07	Instrument purchased			
	Training in use of instrumentation	Sep-Dec 07	No of persons trained			
	Application of instrumentation	Jan-April 08	Test results generated and analysed			
	Visit Cape Town Municipality to acquire capacity in bylaw formulation(vehicle emissions control)	Aug 07	Visit undertaken and report compiled with key recommendations into formulation of bylaws			
	Implementation the system using measurement and enforcement protocol (this will also ensure Councillor involvement, identification of key parties (EHPs and Metro Police), undertaking of pilot application.)	Sep 07-April 08	AQM cycle executed			

## **(2) APPLICATION OF CLEANER PRODUCTION PRACTICES INTO THE REGULATORY FRAMEWORK**

### **PROJECT DESCRIPTION:**

#### **Implementing Department**

eThekwini Health: Pollution Control Unit

#### **Brief overview of project**

The key objectives of this project are:

1. Danida to appoint expertise from Denmark to build capacity in local CP officer in targeted works areas which will be in:
  - i. Jacobs
  - ii. Shongweni
2. Integration of CP work into the permitting system to be developed for each sector (small industry, landfill site and wastewater works incinerator)

Cleaner Production tools will be used to seek innovative solutions to problems. These solutions will be framed into regulatory tools such as permits and audits for action. CP expert will provide intervention and direction.

#### **Alignment with UEM objectives**

The application of CP in achieving compliance would be an innovative that incentives reduction in emissions as opposed of just using the top down regulatory stick approach. Lessons learnt from the targeted area in Durban (Jacobs industrial complex) can be applied in other areas within the eThekwini Municipality and elsewhere in the Country. This strategy is informed by the advances Durban has made with air quality thus far: that success was acquired by the local health institution having the capacity to provide a scientific basis for the air pollution problems: This requires measurement and process analysis to lay the basis for decisive action. The application of this methodology will be used to inform innovative approaches to pollution control in other governmental institutions.

#### **Intergovernmental cooperation**

This project will support institutional and technical development. The institutional development will be achieved in capacity building within eThekwini. This in turn will support Provincial and National technical development programmes in terms of industrial process analysis and problem solving methodology.

Key Performance Area	Key Performance Indicators	Targets for 2007/2008	Key activities	Time Frames for delivery in 2007/2008	Department Budget	Danida Budget
Ensure local air quality is monitored and managed : Using Cleaner production (CP) tools with a focus to reduce emissions to air	Application of CP in an industrial area (Jacobs)	Apply in targeted industries in the Jacobs area	1. eThekweni Municipality to appoint a CP officer	Aug-Sep 07	R250,000	R150,000
			2. Danida to appoint expertise from Denmark to build capacity in local CP officer in targeted works areas	Sep 07-April 08		
	Application of CP at a landfill site (Shongweni)	Apply to Enviroserv site in Shongweni	3.i. Jacobs case study			
			ii. Shongweni case study			
			4. Integration of CP work into the permitting system to be developed for each sector (small industry, landfill site and wastewater works incinerator)	Jan08-May08		
			TOTAL:		R250,000 *	R150,000

\* Internal staff costs and appointment of CP officer

**SIX-MONTHLY REPORTING AND MONITORING GUIDELINE TABLE**

**(2) APPLICATION OF CLEANER PRODUCTION PRACTICES INTO THE REGULATORY FRAMEWORK**

KEY RESULT AREA	KEY ACTIVITIES / OUTPUTS	PERFORMANCE MEASURES		PROGRESS / STATUS	EXPENDITURE	
		TARGET DATE	INDICATOR		Department Budget	Danida UEM Budget
Improvement in air quality to conform to the Air Quality Act	1. eThekweni Municipality to appoint a CP officer	Aug-Sep07	CP officer appointed			
	2. Danida to appoint expertise from Denmark to build capacity in local CP officer in targeted works areas	Sep07-April08	Expertise procured			
	3.i. Jacobs case study	May 08	Industries identified			
	ii. Shongweni case study	May 08	CP concepts developed for improved landfill site operation			
	4. Integration of CP work into the permitting system to be developed for each sector (small industry, landfill site and wastewater works incinerator)	Jan08-May08	New permits drafted			

### **(3) TRAINING OF TECHNICIANS IN AIR MONITORING INSTRUMENTATION REPAIR**

#### **PROJECT DESCRIPTION:**

##### **Implementing Department**

eThekwini Health: Pollution Control Unit

##### **Brief overview of project**

The key objectives of this project are:

1. Training of two instrument technicians in instrumentation diagnostics and repair.
2. Trained instrument technicians to demonstrate experiences acquired in local application.

The attainment of good air quality requires both a technical and institutional basis. This proposal supports the technical basis in that having trained personnel to ensure rapid response to air monitoring instrument failure forms an integral link to the above statement. Simply put if there is no skills base to measure air quality, then pollution is likely to perpetuate!

##### **Alignment with UEM objectives**

Exposure to air emissions poses a health risk to exposed communities and individuals. This increase in exposure from a human health perspective encourages the different poverty cycles. By improving the air quality yield improves health outcomes; less absenteeism; less expenses on health (medication) and it promotes development and also development of new technology to improve the operating conditions.

##### **Intergovernmental cooperation**

This project will support institutional and technical development. The institutional development will be achieved in capacity building within eThekwini. This in turn will support Provincial and National technical development programmes.

Key Performance Area	Key Performance Indicators	Targets for 2007/2008	Key activities	Time Frames for delivery in 2007/2008	Department Budget	Danida Budget R100 000
Ensure local air quality is monitored and managed : ensuring proper maintenance of air quality instrumentation	Instrument technicians trained in instrument repair	Train two air quality instrument technicians at an overseas repair laboratory	Training of two instrument technicians in instrumentation diagnostics and repair	Aug-Dec 07	In house resources – R1,750,000*	R100,000 (full project)
			Trained Instrument technicians to demonstrate experiences acquired in local application	Jan-May 08		
				TOTAL:	In house resources*	R100,000

\* R1,750,000 = total operating budget for AQM

**SIX-MONTHLY REPORTING AND MONITORING GUIDELINE TABLE**

**(3) TRAINING OF TECHNICIANS IN AIR MONITORING INSTRUMENTATION REPAIR**

KEY RESULT AREA	KEY ACTIVITIES / OUTPUTS	PERFORMANCE MEASURES		PROGRESS / STATUS	EXPENDITURE	
		TARGET DATE	INDICATOR		Department Budget	Danida UEM Budget
Improvement in air quality to conform to the Air quality act: Trained instrumentation technicians to undertake in house repair work	Training of two instrument technicians in instrumentation diagnostics and repair	Aug-Dec 07	Instrument repair course attended			
	Trained Instrument technicians to demonstrate experiences acquired in local application	Jan-May 08	Instruments repaired in house and reports generated, savings made			

#### **4. LOCAL SUSTAINABLE ENERGY SOLUTIONS DEVELOPED AND IMPLEMENTED**

##### **SUSTAINABLE ENERGY STRATEGY (PHASE 2)**

###### **PROJECT DESCRIPTION:**

###### **Implementing Department**

Environmental Management Department

###### **Brief overview of project**

The development of an Energy Strategy for the eThekweni Municipality will put in place the vision, goals, objectives, targets and action plans necessary for the institution to implement energy efficiency practices and renewable energy technologies. The importance of energy efficiency and renewable energy is demonstrated in the 4<sup>th</sup> report of the International Panel on Climate Change under the Kyoto Protocol which defines with greater certainty the negative impacts of global climate change and allows for extrapolation of these impacts for Durban. These include more extreme weather events, more intense rainfall less frequently with more longer periods of drought, sea level rise, threats to water resources and infrastructure with a resulting decrease in tourism. Durban's biodiversity, 1/3 of its total land area, provides approximately R3.1 billion in environmental goods and services which is threatened by rapid human induced climate change as capacity to adapt decreases with speed of transformation. Adaptation, mitigation and avoidance are key responses to climate change. Energy efficiency and renewable energy technologies provide the mitigation measures by which Durban can begin to address its contribution to Greenhouse Gas emissions and climate change.

###### **Alignment with UEM objectives**

Sustainable livelihoods for Durban's residents are dependent on environmental goods and services such as spiritual spaces, water, soil, air quality, regiae, fuel, building and genetic and medicinal materials. In providing cheaper, cleaner and safer forms of energy while maintaining the ecological viability of our environment affords a greater number of our residents access to light, heating and cooling which all serve to improve health conditions and educational prospects. In addition, the energy efficiency and renewable energy technology markets, dependent on critical mass, hold the potential for growth in an emerging job market which has local, regional and international reach.

###### **Intergovernmental cooperation**

The Environmental Management Department will have to work with the Departments of Architecture, Electricity, Planning, Transport and Housing at a local level and the Departments of Minerals and Energy, Transport and Environmental Affairs and Tourism at a national level as a minimum to be able to effectively implement this strategy.

Key Performance Area	Key Performance Indicators	Targets for 2007/2008	Key activities	Time Frames for delivery in 2007/2008	Department Budget	Danida Budget
Ensure Long-Term Sustainability of the Energy Strategy	Finalisation and roll out of Energy Strategy	Percentage per sector monitoring and compliance	1. Finalise Energy Strategy with Stakeholders re: Action Plans and Monitoring and Compliance programme	09/07	Internal resources	R150,000
			2. Formal Municipality adoption of Energy Strategy	10/07	Internal resources	NIL
			3. Disseminate Energy Strategy	12/07	Internal I resources	R25,000
			4. Adoption of Strategy and Action Plans by the major Sectors identified by the Strategy	01/08	Internal resources	R35,000
			5. Awareness raising around Energy Strategy	02/08	Internal resources	R100,000
			6. Roll out of Strategically Selected Projects	03/08	Internal resources	R345,000
			7. Continue to monitor improvements in energy efficiency, in terms of Green house Gas avoidance, mitigation and adaptation through the Energy Strategy's Monitoring and Compliance Regime	06/08	Internal resources	R30,000
						<b>TOTAL:</b>

**SIX-MONTHLY REPORTING AND MONITORING GUIDELINE TABLE**

KEY RESULT AREA	KEY ACTIVITIES / OUTPUTS	PERFORMANCE MEASURES		PROGRESS / STATUS	EXPENDITURE	
		TARGET DATE	INDICATOR		Department Budget	Danida UEM Budget
Ensure Long-Term Sustainability of the Energy Strategy	1. Finalise Energy Strategy with Stakeholders re: Action Plans and Monitoring and Compliance programme	09/07	Final Energy Strategy Report			
	2. Formal Municipality adoption of Energy Strategy	10/07	Council Resolution			
	3. Disseminate Energy Strategy	12/07	Dissemination to stakeholders complete			
	4. Adoption of Strategy and Action Plans by the major Sectors identified by the Strategy	01/08	Sector project identification in line with Strategy			
	5. Awareness raising around Energy Strategy	02/08	Insert in Metrobeat newsletter			
	6. Roll out of Strategically Selected Projects	03/08	Projects initiated			
	7. Continue to monitor improvements in energy efficiency, in terms of Green house Gas avoidance, mitigation and adaptation through the Energy Strategy's Monitoring and Compliance Regime	06/08	State of Environment Reporting (annual)			

## **5. UEM CAPACITY DEVELOPMENT AND COORDINATION**

No projects identified for the 2007/08 financial year