

Date: February 2007  
Contact person: D Fischer

# DEPARTMENT OF ENVIRONMENTAL AFFAIRS & TOURISM

Environmental Quality and Protection  
Directorate: Chemicals and Hazardous Waste  
Management

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

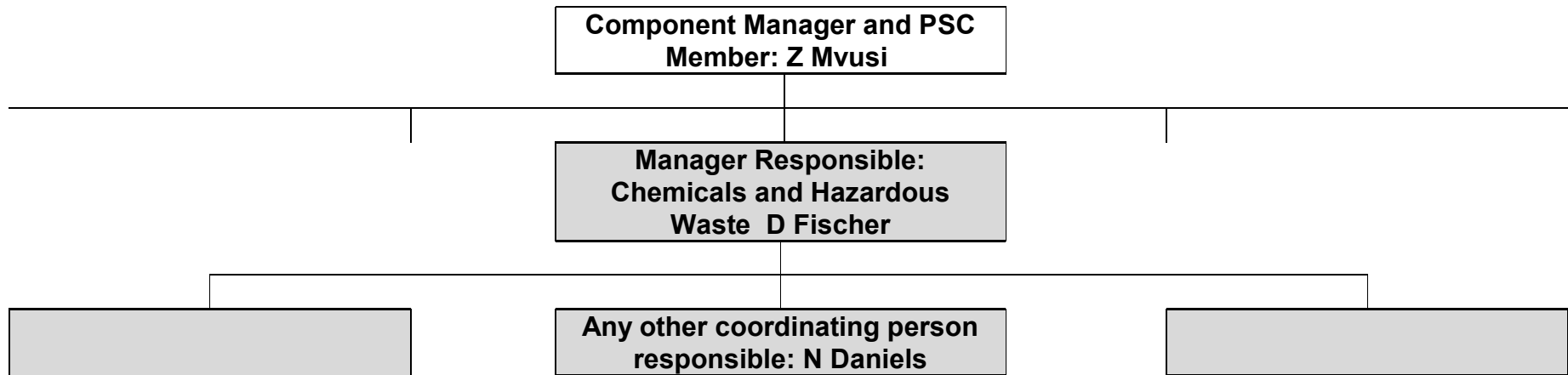
**1 APR 2007 to 31 MAR 2008** \_



# 1. GENERAL DESCRIPTION

## 1.1 DEPARTMENT OF ENVIRONMENTAL AFFAIRS & TOURISM: DIRECTORATE OF CHEMICALS AND HAZARDOUS WASTE MANAGEMENT

## 2 ORGANOGRAM



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

POST	NAME OF INCUMBENT	CONTACT DETAILS		
		Tel:	Mobile:	e-mail
Official Position of component manager (UEM Programme and PSC representative)	Ms Z Mvusi	(012)310-3388	0823873591	zmvusi@deat.gov.za

Chief director				
Director	Dee Fisher			
Position of mandated alternate member of Programme Steering Committee	N Daniels			

## **2. OBJECTIVES and ACTIVITIES**

### **2.1 Programme Development Objective is:**

***“Sustainable and poverty-oriented environmental management of urban areas in South Africa”.***

### **2.2 Component One Development Objective is:**

***“National and provincial framework for pro-poor integrated urban environmental management operational.”***

### **2.3 Component One Immediate Objective is:**

***“National and Provincial governance institutional capacity for Urban Environmental Management enhanced.”***

### **2.4 The Outputs identified to support the achievement of the above agreed objectives are as follows:**

- 1. The Waste Management Act implemented**
- 2. The National Air Quality Management Act implemented**

### **2.5 Table of activities (overleaf)**

## 2.5 Table of activities

Key Performance Area	Key Performance Indicators	Targets for 2007/2008	Key activities	Time Frames for delivery in 2006/2007	Department Budget	Danida Budget
Establish an effective regulatory framework for pollution and waste management	Pollution and waste management policies in place	General statement on the use of hazardous waste disposal by high temperature thermal treatment facilities and a the development of a specific policy on the use of hazardous waste as an alternative fuel in cement kilns	Prepare a submission requesting permission to develop the polices for submission to the DG	Aug 2006	R750 000.00 for review consultant R500 000.00 for public participation R200 000.00 personnel costs	R3 million of which R1.4 million is to be sourced from the 06/07 budget (R300 000.00 Waste Act Implemented, R500 000.00 from landfills permitted and R600 000.00 for the national advisor position)  The remaining R1 600 000.00 is to be sourced from the 07/08 budget cycle.
			Prepare inputs to the intergovernmental coordination committees for discussion with and approval of provinces	September 2006 – February 2007		
			Develop a TOR for Local EIA review consultant to assist with the review of the 10 EIA's associated with the use of hazardous waste in cement kilns	September 2006		
			Develop a TOR for a technical advisor: Industrial Process Engineering and a technical advisor: Hazardous Waste Specialist	September 2006		
			Develop a provisional budget and project timeframe	October 2006		
			Explore funding proposals	November 2006		
			Prepare a submission requesting permission to advertise the TOR for the technical review consultants and to secure the funding required	December 2007		
			Advertise the tenders internationally	February 2007		
			Advertise the tender for the local EIA review consultant locally, adjudicate the bids received and make recommendations to the BID committee for approval	March 2007		
			Develop a stakeholder database	April 2007		
Appoint the various consultants	April 2007					

Initiate the public participation process	April 2007		
An inception workshop is to be held and a detailed work plan is then to be developed by each consultant which will ensure coordination and interaction.	April 2007		
An international literature review which includes but is not limited to the following is to be undertaken: <ul style="list-style-type: none"> <li>• International legislation on incineration and the use of alternative fuels as an energy source;</li> <li>• Relevant international policies and strategies associated with incineration and the use of alternative fuels as an energy source;</li> <li>• International best practice for hazardous waste management;</li> <li>• Relevant technologies used internationally for the disposal/destruction of selected high calorific value wastes;</li> <li>• International best practice in terms of hazardous waste profiling;</li> <li>• Relevant emission standards and guidelines associated with the incineration of hazardous waste and the use of alternative fuels as an energy source;</li> </ul>	May 2007		
A comparative assessment of the cement kilns that use alternative fuels internationally and the South African equivalent is to be undertaken.	May 2007		
A comparative assessment of the waste profile found in South Africa to that found in countries where alternative fuels are utilised in cement kilns is to be undertaken. This assessment is to inform guidelines on the maximum and minimum concentrations of different waste types that can be safely utilized in cement kilns in South Africa.	June 2007		

		Using the results of the work undertaken as part of the above activities, an allowable maximum and minimum concentration of various chemical constituents in waste proposed to be used as alternative fuels in cement kilns is to be developed should this be found to be an acceptable practice	July 2007		
		A guideline on the criteria for monitoring emissions is to be developed. This guideline is to form the basis for regulations and standards for controlled fuels as identified in the Air Quality Act.	July 2007		
		Develop minimum commissioning requirements, conditions for approval of the technology, the setting of a minimum reporting protocol for waste and emissions and the development of review guidelines.	August 2007		
		Develop a policy statements on the destruction of hazardous waste through high temperature thermal treatment and the use of hazardous waste as an alternative fuel in cement kilns	September 2007 – November 2007		

### **3. SIX-MONTHLY MONITORING AND REPORTING - GUIDELINE TABLE**

KEY RESULT AREA	KEY ACTIVITIES / OUTPUTS	PERFORMANCE MEASURES		PROGRESS / STATUS	EXPENDITURE	
		TARGET DATE	INDICATOR		Department Budget	Danida UEM Budget
Support from Senior Management and Provinces support for the development of the policies	Submission to DG requesting support prepared	August 2006	Approved submission available	Done	Personnel and operational budget	None

	Intergovernmental coordination process undertaken, provinces approval obtained	September 2006 – February 2007	Minutes available	Done	Personnel and operational budget	None
	Process for reviewing of provincial EIA's determined and agreed	February 2007	Letters filed	Done	Personnel and operational budget	
Consultants secured	TOR developed	October 2006	TOR available	Done	Personnel and operational budget	
	Preliminary budget determined	October 2006	Budget available	Done	Personnel and operational budget	
	Financial mechanism explored	November 2006	Finances approved	Done	Personnel and operational budget	Personnel and operational budget
	Submission requesting approval of TOR, budget and funding arrangements approved	December 2006	Submission available	Done	Personnel and operational budget	
	Requests of interest advertised internationally	February 2007	Bid submitted	Done	Personnel and operational budget	Personnel and operational budget
	Tender for local EIA review consultant advertised, adjudicated and awarded	Mid April 2007	Bid documents and signed contracts available	Tender to be advertised 11/03/2007 Contract to be awarded 20/04/2007	R120 000.00	
	Inception workshop held	Mid April 2007	Minutes available		R50 000.00	R150 000.00
	Detailed work-plan developed	Mid April 2007	Work plan available		R40 000.00	R50 000.00
Public participation process initiated	Stakeholder database developed	Mid April 2007	Database available			
	Newspaper advertisement placed	Mid March 2007	Newspaper advertisement available		R120 000.00	
	Inputs received and incorporated	Mid April 2007	Comments table developed		R50 000.00	
	Workshop held	End April 2007	Workshop proceedings		R60 000.00	R150 000.00

Research undertaken for national and international benchmarking	An international literature review undertaken	May 2007	Report prepared		R150 000.00
	A comparative assessment of the cement kilns that use alternative fuels internationally and the South African equivalent is undertaken.	May 2007	Report prepared		R300 000.00
	A comparative assessment of the waste profile found in South Africa to that found in countries where alternative fuels are utilised in cement kilns is to be undertaken. This assessment is to inform guidelines on the maximum and minimum concentrations of different waste types that can be safely utilized in cement kilns in South Africa.	June 2007	Assessment available		R400 000.00
Guidelines prepared	Allowable maximum and minimum concentration of various chemical constituents in waste proposed to be used as alternative fuels in cement kilns is to be developed should this be found to be an acceptable practice	July 2007	Assessment available		R400 000.00
	A guideline on the criteria for monitoring emissions is to be developed. This guideline is to form the basis for regulations and standards for controlled fuels as identified in the Air Quality Act.	July 2007	Guideline available		R400 000.00

	Develop minimum commissioning requirements, conditions for approval of the technology, the setting of a minimum reporting protocol for waste and emissions and the development of review guidelines.	August 2007	Reports available			R600 000.00
Provide technical support	Provide input into the EIA reviews	August 2007	ROD's prepared			R300 000.00
	Provide input for policy development	September – October 2007	Draft policy available		R300 000.00	R300 000.00
	Finalise public participation process	November 2007			R 50 000.00	