



environment & tourism

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Internal Memo

Date :	Monday, 26 February 2007	File Nr:	n/a
To:	Joanne Yawitch, DDG: EQ&P	From:	Peter Lukey, CD: AQM&CC
CC:	Bo Leth-Espensen, International Advisor - UEM Programme; Ranjini Pillay, D: A and all CD SMS		

CHIEF DIRECTORATE: AIR QUALITY MANAGEMENT AND CLIMATE CHANGE REQUEST FOR SUPPORT FROM THE UEM PROGRAMME IN PERIOD 2007-8

1. The chief directorate conducted its internal business planning workshop on 15-16 and 23 February 2007 where the air quality management and climate change elements of the branch strategic plan was presented and discussed with a view to the finalisation of the chief directorate 2007-8 business plan.
2. The following provides a summary of the key strategic matters until 2010 that are proposed for the strategic plan:
 - 1 The rollout of the AQA air quality management planning regime including:
 - 1 Provincial and municipal air quality management plans in "problem" areas; and
 - 2 Priority Area Management Plans in national and provincial Priority Areas.
 - 2 The rollout of the AQA's norms and standards including:
 - 1 The National Framework for air quality management that must be published on 11 September 2007;
 - 2 National Ambient Air Quality Standards;
 - 3 Listed activities and their associated minimum emission standards; and
 - 4 Controlled emitters and their associated minimum emission standards;
 - 3 The rollout of tangible air quality improvement initiatives including:
 - 1 The review of all significant APPA Registration Certificates;
 - 2 The initiation of pollution prevention plans in respect of significant industrial sectors; and
 - 3 The initiation of an integrated programme to address air quality in dense, low-income communities (mainly solutions to deal with coal and wood burning in these communities).

- 4 The strengthening of air quality governance at all spheres of government, especially at the municipal level including:
 - 1 The annual Air Quality Governance Lekgotla;
 - 2 The national-provincial-municipal Air Quality Officer's forums;
 - 3 Hands on training through the APPA Registration Certificate review process;
 - 4 The development of "model" air quality management by-laws; and
 - 5 Assistance in air quality problem identification through monitoring campaigns in "poor" municipalities that are known to have a problem (excludes priority areas)
- 5 The rollout of the South African Air Quality Information System (SAAQIS).
- 6 Meeting our international obligations in respect of climate change, including:
 - 1 The compilation of the UNFCCC 2nd National Communication including an updated greenhouse gas inventory;
 - 2 Support to the development of sectoral climate change response plans;
 - 3 The long-term mitigation scenario building process; and
 - 4 The initiation of national climate change policy.
- 7 Meeting our international obligations in respect of ozone-layer protection, including, the development and implementation of various plans relating to the phase out of ozone-depleting substances.

3. Of the above, the following provides a summary of the issues that are proposed for support from the UEM Programme (an extract from the proposed CD-related work proposed for UEM support to be reflected in the department's 2007-8 Strategic Plan is provided in Annexure A) –

1 Strategic objective 4: Improve air and atmospheric quality

Key Performance Areas	Key Performance Indicators	Baseline	Target 07-08
Improved Air and Atmospheric Quality	Effective intergovernmental AQM coordination and service delivery	No intergovernmental AQM coordination structures	Provincial-Municipal AQO forums operational in 5 key provinces; AQ Lekgotla
	Operational South African Air Quality Information System (SAAQIS)	No cohesive national system in place	Web-based SAAQIS piloted by SAWS
	Measurable reduction of priority pollutants	Limited interventions in respect of residential air pollution – Basa Njengo Magogo	Initiate development of an integrated action plan to address air quality in dense, low-income communities

4. Annexure B provides an extract from the draft CD 2007-8 Business plan reflecting the various interventions proposed for support from the UEM Programme. The following provides a summary of the proposed UEM Programme supported interventions -

- 1 **The facilitation of participation of poorly-resourced municipalities in the annual Air Quality Governance Lekgotla** - In terms of the key performance area relating to "Effective intergovernmental AQM coordination", a continuation of UEM support to the "Facilitation of

participation of poorly-resourced municipalities in the annual Air Quality Governance Lekgotla” is proposed. In 2006-7, an amount of R500,000 was provided through the UEM programme in this regard. Although this support was used to facilitate the participation of poorly-resourced municipalities in the Air Quality Governance Lekgotla in October 2006, only ~R100,000 was used (e.g. for air fares, accommodation, etc.). However, the need still remains and, thus, it is proposed that the remaining ~R400,000 be used to facilitate the participation of poorly-resourced municipalities in the Air Quality Governance Lekgotla in 2007, 2008 and 2009.

- 2 **The Development of the South African Air Quality Information System (SAAQIS) – Phase One Project** - In terms of the key performance area relating to “Operational South African Air Quality Information System (SAAQIS)”, UEM support in the amount of R1.5 million is proposed in respect of the project that is fully detailed in the terms of reference included as Annexure C and budget included as Annexure D.
- 3 **The Integrated Action Plan to Address Air Quality in Dense, Low-income Communities Development Project** - In terms of the key performance area relating to “Measurable reduction of priority pollutants”, initial support in the amount of R250,000 is proposed in respect of the project that will develop an integrated action plan to address air quality in dense, low-income communities. Although the exact nature of how this support will be utilised will only be detailed following an multi-stakeholder “brain-storming” meeting to be held before the end of April 2007, it is likely that this support will be used to compile a status quo report that will inform the proposed action plan.

5. In conclusion, the following table provides a summary of the proposed support to the chief directorate from the UEM Programme in the period 2007-8 –

Project Title		Requested UEM support
1	The facilitation of participation of poorly-resourced municipalities in the annual Air Quality Governance Lekgotla	The rollover of remaining funds from the initial R500,000 grant.
2	The Development of the South African Air Quality Information System (SAAQIS) – Phase One Project	R1.5 million
3	The Integrated Action Plan to Address Air Quality in Dense, Low-income Communities Development Project	R250,000

6. I trust that this in order.

PETER LUKEY
CHIEF DIRECTOR: AIR QUALITY MANAGEMENT AND CLIMATE CHANGE
DATE:

ANNEXURE A – EXTRACT FROM THE DRAFT DEPARTMENTAL STRATEGIC PLAN, 2007-8.

Strategic objective 4: Improve air and atmospheric quality

Key Performance Areas	Key Performance Indicators	Baseline	Target 07-08	Target 08-09
Improved Air and Atmospheric Quality	Measurable reduction of priority pollutants	Limited interventions in respect of residential air pollution – Basa Njengo Magogo	Initiate development of an integrated action plan to address air quality in dense, low-income communities	Coordinate the implementation of the integrated action plan to address air quality in dense, low-income communities
	Effective intergovernmental AQM coordination and service delivery	No intergovernmental AQM coordination structures	Provincial-Municipal AQO forums operational in 5 key provinces; AQ Lekgotla	Provincial-Municipal AQO forums operational in all provinces; AQ Lekgotla
	Operational South African Air Quality Information System (SAAQIS)	No cohesive national system in place	Web-based SAAQIS piloted by SAWS	SAAQIS extended to five provinces

ANNEXURE B – EXTRACT FROM THE DRAFT CHIEF DIRECTORATE: AIR QUALITY MANAGEMENT AND CLIMATE CHANGE BUSINESS PLAN, 2007-8.

DEAT Strategic Objective	Key Performance Area	Key Performance Indicators	Targets for 2007-8	Key activities	Time delive
IMPROVED AIR AND ATMOSPHERIC QUALITY	Improved Air and atmospheric Quality	Measurable reduction of priority pollutants	Develop minimum emission standards for all significant industries (Listed Activities)	Operational National Air Quality Management Stakeholder Reference Group (the Air Quality sub-committee of NEAF)	Ongoing 2007
				The design, publication and maintenance of a project webpage	May 2007
	1 public outreach event (around 200 people) and 1 public workshop (around 50 people) to be hosted at appropriate project milestones.	When r			
	Compile a Review Report that makes specific recommendations on how current national and international work related to the identification of activities and their related minimum emission standards may be adopted and/or adapted with a view to informing and fast-tracking the implementation of S.21 of the AQA	Jun 2007			
		Jul 2007			
	Compile an implementation plan that clearly describes the work directed or implied in order to implement S.21 of the AQA to a standard such that the Minister is able to publish the required notice in the <i>Gazette</i> .	Feb 2007			
		Mar 2007			
	Compile a draft Notice for publication in the <i>Gazette</i> in terms of S. 57(1)(a) of the AQA and a newspaper advert for publication in terms of S.57(1)(b).	Apr 2007			
		Ongoing			
	Draft Notice published in the <i>Gazette</i> and a newspaper advert published following the Minister's approval.	Jan 2007			
	Initiate development of an integrated action plan to address air quality in dense, low-income communities	Apr 2007			
		Jun 2007			
		Organise and host "Addressing Pollution From Residential Coal And Wood Burning In Dense Urban Settlements Brainstorm"	Aug 2007		
		Coordinate gap-filling research and various pilot projects aimed at testing and informing the integrated action plan to address air quality in dense, low-income communities	Sep 2007		
		Draft integrated action plan to address air quality in dense, low-income communities submitted with a view to publication for comment	Oct 2007		
	Successful Annual Air Quality Governance Lekgotla	Jul 2007			
		DEAT – NACA Agreement in respect of logistical arrangements concluded	Jul 2007		
		Call for conference papers issued	Aug 2007		
		Lekgotla programme finalised and circulated	Sep 2007		
		Lekgotla speakers and presenters confirmed	Sep 2007		
Support provided to deserving municipalities to participate in Lekgotla		Jun 2007			
2007 Annual Air Quality Governance Lekgotla successfully hosted	Jun 2007				
	Jul 2007				

Web-based SAAQIS piloted by SAWS	Gauteng monitoring network fully established and operational	Jul 2007
	Vaal Triangle Air-Shed Priority Area ambient air quality monitoring network fully established and operational	Mar 2007
	Highveld Priority Area ambient air quality monitoring network fully established and operational	Mar 2007
	An initial "work in progress" web page for the SAAQIS developed linked to both the department SAWS web sites	Aug 2007
	Detailed analysis of the information management requirements of the AQA, other legislation that has an impact on information provision (e.g. The PAIA) and the various air quality related multilateral environmental agreements (MEAs) (including climate change, ozone-layer protection and persistent organic pollution agreements) that clearly describes the mandatory requirements of the SAAQIS.	
	Detailed analysis of all potential key SAAQIS stakeholders including, among others: potential SAAQIS information users; information holders; information gatherers; service providers; regulatory authorities; etc.	
	Detailed assessment of the air quality information needs of the various key stakeholders	
	Detailed air quality information source assessment	
	International benchmarking report	
	Develop a set of detailed technical specifications to support the development and implementation of the SAAQIS.	
	Develop and compile a detailed SAAQIS Description and development Implementation Plan	
	Compile the required information management sections of the National Framework in cooperation with the National Framework development consultants	
	Establish, test and implement the SAAQIS framework and central database including: RDBMS database; Data exchange/transfer system and schemas; web service interfaces; menu system for modules and content; user administration solution; content management framework; GIS solution; search functionality; and basic design and structure of the user interface.	
	Establish, test and operate the following modules: Ambient data reporting module; Ambient data report/view generating module; Ambient monitoring station description; Air quality management planning – reporting and viewing; State of air reports –reporting and viewing; Legislation download and viewing; AQ scientific literature resource library; and support centre/help desk.	

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Detail the necessary organisational structure within the SAWS to efficiently and effectively host and operate the SAAQIS and submit to the SAWS Board
