



**water affairs**

Department:  
Water Affairs  
REPUBLIC OF SOUTH AFRICA

## Support to the Implementation and Maintenance of the Reconciliation Strategy of the Crocodile West Water Supply System

### Minutes of the Study Management Team (SMT) Meeting, No. 11 at 10:00 on 19 March 2012, BKS Pretoria

#### ACTION

#### 1. WELCOME AND CONSTITUTION OF THE MEETING

The Chairperson, Mr Tendani Nditwani, opened the meeting.

#### 2. ATTENDANCE AND APOLOGIES

##### 2.1 ATTENDANCE

An attendance register was circulated, as noted below:

Tendani Nditwani	(TN)	DWA: NWRP
Witold Jezewski	(WJ)	DWA: NWRP
Ockie van den Berg	(OvdB)	DWA: OA
Rens Botha	(RB)	DWA: North West Region
Alloisius Salagae	(AS)	DWA: WRPS – E&ES
Martha Komape	(MK)	DWA: Limpopo Region
Tsholofelo Mbotho	(TM)	DWA: WRPS
Johan Rossouw	(JDR)	BKS
Jonathan Schroder	(JHS)	BKS
Pieter van Rooyen	(PvR)	WRP

##### 2.2 APOLOGIES

Hannes Pretorius	(HP)	DWA: Infrastructure Branch
Lebo Mosoa	(LM)	DWA: WRPS WQ
Dennis Behrmann	(DB)	DWA: WS : P&I
Celiwe Ntuli	(LB)	DWA: WRPS
Allestair Wensley	(AW)	DWA: Water Services
Hermien Pieterse	(HSP)	BKS

##### 2.3 ABSENT

Bernie Badenhorst	(BB)	DWA: Limpopo Region
Barbara Weston	(BW)	DWA: RDM
Koena Moabelo	(KM)	DWA: WUE
Steven Shibambu	(SS)	DWA: Limpopo
Thokozani Ntuli	(ThN)	DWA: Water Ecosystems - groundwater
Smangele Mgquba	(SM)	DWA: Climate Change
<i>Trevor Coleman</i>	<i>(TC)</i>	<i>Golder</i>

\* Non-permanent members are indicated in **italic & bold**.

### 3. APPROVAL OF THE AGENDA

The Agenda was approved, with the following additions:

- Item 7.2: Bojanala Study

### 4. MINUTES OF PREVIOUS MEETING

#### 4.1 APPROVAL

- (a) The Minutes of the Project Management meeting of 13 December 2011 was approved after correcting the spelling of *Nokeng Tsa Taemane* under Item 8.1 (b) on page 7 of the minutes.

#### 4.2 MATTERS ARISING (NOT DISCUSSED IN THE ITEMS BELOW)

- (a) No discussion.

### 5. RECURRING TASKS

#### 5.1 TASK 2: PROJECT MANAGEMENT

##### 5.1.1 Matters arising from previous meeting

- (a) **Item 5.1.2(b): SSC Meeting.** Done. The SSC Meeting, originally scheduled for 28 February 2012, was postponed. DWA is currently in a process of acquiring updated water requirement figures for the MCWAP Project for water supply to the Lephalale area. The Study Team then needs to determine the impact of the new requirements on the water availability in the Crocodile West River catchment. TN will discuss the possibility of having another SSC Meeting as part of the Crocodile West Annual Operating Analysis Study with Me Celiwe Ntuli.
- (b) **Item 5.1.2(c): Updated cash flow projection.** Done. The Study Team supplied DWA with an updated cash flow projection of the project on 9 February 2012.

TN

##### 5.1.2 Progress

- (a) The suggested shift of budget between different tasks to accommodate the additional work required for the calibration of the WQT (salinity) model at Klipvoor Dam was accepted by DWA.

#### 5.2 TASK 3: LIAISON AND INFORMATION DISSEMINATION

##### 5.2.1 Progress

- (a) Some work is currently being done by the study team to support A Otterman with indications of hydro power potential at Hartbeespoort Dam.
- (b) The Study Team assessed the interim water requirement figures as obtained from DWA with them to indicate the impact of the updated figures on water availability.

### 5.3 TASK 4: STAKEHOLDER ENGAGEMENT AND ADMINISTRATION

#### 5.3.1 Matters arising from previous meeting

- (a) **Item 5.3.2(a): Anelle Lötter to inform the members of the SSC Meeting on the provisional date.** Done. A notice was sent to all members informing them of the postponement of the meeting. Anelle has resigned and has been replaced by André Joubert. It was requested that André should be invited to attend future SMT meetings.
- (b) **Item 5.3.2b: Study Team to investigate possibility of transferring some budget from the Liaison Task to have another SSC Meeting.** Done. There is not sufficient budget to accommodate another SSC Meeting (see comments under Item 5.1.1 above).

JDR

#### 5.3.2 Progress

- (a) No other activities than reported on above.

## 6. TECHNICAL TASKS

### 6.1 TASK 5: WATER QUALITY MODEL

#### 6.1.1 Matters arising

- (a) **Item 6.1.1(c): Obtain report from Martha Komape regarding the difference in water quality sampling between RSA and Botswana**". Received from MK. A copy of the report should be passed on to Trevor Coleman.

JDR

Botswana is concerned about the water quality from the Waterberg coal area in the Limpopo River.

#### 6.1.2 Progress

- (a) **Item 6.1.2(a): Approval of transferring budget from Liaison task to Water quality task to solve issues at Klipvoor Dam**". Transfer of the budget between the tasks was accepted and the work has been completed.
- (b) Three demand centres' information still has to be passed on to JHS for inclusion in the WRPM.
- (c) A draft internal report has been received from TC. The Water Quality Calibration Report is being compiled and will be submitted to DWA for comments/approval.
- (d) Trevor Coleman needs to supply water quality data to Lebo Mosoa.
- (e) The WRPM will include water quality (salinity) data, but no water quality (blending) objectives will be applied in this project.

TC

TC/PvR

TC/PvR

## 6.2 TASK 6: WATER RESOURCES PLANNING MODEL

### 6.2.1 Matters arising

- (a) **Item 6.2.2(c): Revised projections of the water requirements from Tshwane.** Study Team received the data, but the latest BWMP is still outstanding.

JHS

### 6.2.2 Progress

- (a) The output from the WQT Model is being incorporated into and tested in the WRPM.
- (b) Some code changes to the WRPM are required. These code changes need to be approved by B Mwaka from DWA. The problem is caused by the water quality component of the WRPM at the aquifers in the Lower Crocodile sub-catchment.

TN

## 6.3 TASK 7: DEVELOPING OF OPERATING RULES

### 6.3.1 Matters arising

- (a) **Item 6.3.2(a): Obtain report on river losses in the system that was done by G Basson as part of MCWAP.** This issue has been long outstanding and Ockie van den Berg undertook to personally take this up with Fanie Vogel from Aurecon.

OvdB

### 6.3.2 Progress

- (a) This activity is running in parallel with Task 6 above. Integration with the *Crocodile West Annual Operating Analysis Study* is taking place and coherent definitions of scenarios will be a priority.

## 6.4 TASK 9: RECONCILIATION STRATEGY REPORT UPDATE

### 6.4.1 Matters arising

- (a) **Item 6.4.1(a): Request for volumes associated with licence applications.** Rens Botha indicated that he would forward information that he has to the Study Team.
- (b) **Item 6.4.1(b): Summarized groundwater information from All Towns Study per catchment and compare with current assumptions.** Information was received, but the reports do not record the groundwater abstractions of Tshwane at Fountains and Rietvlei..

RB

### 6.4.2 Progress

- (a) **Item 6.4.2(a): Table of contents for Reconciliation Strategy Report (Version 2).** The table of contents has been completed and will be sent to DWA for their comments/approval.

JDR

## 6.5 TASK 10: SUPPORT GROUP (SG) SUPPORT

No activities, no discussion.

## 7. COORDINATION WITH OTHER STUDIES

### 7.1 WCDM

#### 7.1.1 Matters arising

- (a) **Item 7.1.1(b): Invite municipalities in Crocodile River catchment to present their status and progress on WC/WDM at next SSC meeting.** Done, however there was poor representation by municipalities at the 3<sup>rd</sup> SSC Meeting.

### 7.2 MCWAP PROJECT

#### 7.2.1 Progress

- (a) OvdB gave a summary of progress of the MCWAP. The situation is still unclear on the water requirements. He has engaged further with other authorities regarding Phase II. Funding is still a big issue.
- (b) TCTA has developed capital cost curves, which are very flat and there will be a benefit in building a bigger scheme.
- (c) Eskom and DWA have met. Eskom have made further presentations to National Treasury. Eskom may need more water for coal mining to send coal to Mpumalanga for their power stations.
- (d) Implementation decisions are needed by the middle of this year to be able to achieve implementation with commissioning by the end of 2018.
- (e) PvR indicated that the Reconciliation Strategy needs to provide time frames on decisions and order of decisions.
- (f) The *Water Resources Classifications Study* will contact the Study team for information particularly concerning modelling.
- (g) An appointment has been made for PSP for the *Validation and Verification Study* in the Mokolo catchment.

Study Team

## 8. GENERAL

### 8.1 TECHNICAL WORKSHOP

- (a) Updated information on water demands and re-use figures was received from Tshwane. Their current water use figures were revised.
- (b) PvR indicated that the water tariffs that will apply to Tshwane are very important and was not addressed in previous discussions. The priorities order of water to be supplied from the Crocodile River system is:
- Water supply to existing users within the Crocodile West river catchment
  - Water transfers to supply to users in the Lephalale area
  - Re-use of water by Tshwane Metro

- (c) Tshwane acknowledged in previous discussions that they would require a license for the re-use of water.
- (d) Rens Botha mentioned that up to 110 l/s can be abstracted at a property without a license.

**9. NEXT MEETING**

- (a) The next SMT Meeting is scheduled for 14<sup>th</sup> May 2012 at 10:00 at BKS. This will be preceded by the PMM at 09:30.

**10. CLOSURE**

The meeting was closed at 11:40.

*Minutes certified as correct and final*

\_\_\_\_\_  
PSP Study Leader

\_\_\_\_\_  
Date

\_\_\_\_\_  
DWA Project Leader

\_\_\_\_\_  
Date