



## 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. 4

### 1. WELCOME AND CONSTITUTION OF THE MEETING

The Chairperson, Mr. Tendani Nditwani (TN) (Chief Engineer NWRP: North) opened the meeting.

### 2. ATTENDANCE AND APOLOGIES

#### 2.1 ATTENDANCE

An attendance register was circulated, as noted below:

Mr. Tendani Nditwani	(TN)	DWA: NWRP
Mr. Gregory Paszczyk	(GP)	DWA: NWRP
Mr. Pramod Sinha	(PS)	DWA WRPS – Systems Operation
Mr. Koena Moabelo	(KG)	DWA: WUE
Ms. Barbara Weston	(B)	DWA: SWRR
Mr. Bernie Badenhorst	(BB)	DWA: Limpopo Region
Mr. Rens Botha	(RB)	DWA: North West Region
Mr. Allosius Salagae	(AS)	DWA: WRPS E&ES
Mr. Ockie van den Berg	(OvdB)	DWA: OA
Mr. Johan Rossouw	(JDR)	BKS
Ms. Hermien Pieterse	(HSP)	BKS
Dr. Thinus Basson	(MSB)	BKS
Mr. Pieter van Rooyen	(PGvR)	WRP
<i>Mr. Trevor Coleman</i>	<i>(TC)</i>	<i>Golder</i>
<i>Ms. Surene Whiteman</i>	<i>(SW)</i>	<i>BKS</i>
<i>Ms. Joyce (Phapelo) Machaba</i>	<i>(JPM)</i>	<i>DWA: RDM</i>
<i>Ms. Lerato Bapela</i>	<i>(LB)</i>	<i>DWA: WRPS</i>
<i>Mr. Steven Shibambu</i>	<i>(CS)</i>	<i>DWA: Limpopo</i>

### ACTION

## 2.2 APOLOGIES

Ms. Martha Komape	(MK)	DWA: Limpopo Region
Allestair Wensley	(AJP)	DWA: Water Services
Lebo Mosoa	(LM)	DWA: WRPS WQ

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

## 3. APPROVAL OF THE AGENDA

The Agenda was approved without any amendments.

## 4. MINUTES OF PREVIOUS MEETING (NO: 3 HELD ON 31 MAY 2010)

### 4.1 APPROVAL

The minutes of SMT 3 was approved with the following changes:

- Item 2.2: change Beason Mwaka's title to "Dr."
- Item 5 (c): add "*under another trading account*" after "*budget of R3 million*"
- Items 2.1, 6.3.2 and 8.3(d): change "OJSvdB" to "OvdB"
- Item 6.3.2: Change "AL" to "*Anelle Lötter*"
- Item 7.3 (a): change "WQT" to "*WRPM*"
- Item 8.3 (d): add "*and potential benefits of additional storage*" after "...irrigation infrastructure..."
- Item 9: "Metswideng" change to "*Metswedeng*"

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

#### 4.2.1 Items 2 and 4.2.1(b): Invitations to Infrastructure Branch (Mark Williams/ Hannes Pretorius) and Directorate: Climate Change

Both the IB and D: CC have been invited. The Directorate: Climate Change was also added to the SSC Membership list.

#### 4.2.2 Items 4.2.1(a): PSP to liaise with Mike Warren on impact of removal of alien vegetation

Still waiting for results from the Aurecon Team. However, it was noted that the benefits would be very small, based on an analysis of the current figures available. It was agreed that this will be addressed in the Water Resources Report.

PGvR

**4.2.3 Item 9: PSP to consider impact of Metsweding included under the Tshwane Municipality**

The water requirements of the relevant areas of the Metsweding's, related to the Crocodile West Catchment will be considered.

HSP

**5. TASK 1: INCEPTION PHASE**

A draft Inception Report was submitted to DWA in June. Due to a moratorium on Variation Orders within DWA, the scope of work need to be revised so that the budget will not exceed the original contract amount. A new revised version of the Inception report will be available by end of August 2010.

HSP/PGvR

**6. RECURRING TASKS**

**6.1 TASK 2: PROJECT MANAGEMENT – WORK PROGRAMME**

The work programme submitted in the Inception Report will be revised (refer to **Item 5**). PGvR reported that the following tasks are underway:

- the calibration of the water quality,
- updating of water demands and yield analysis, and
- inclusion of all information in the water balance.

HSP/PGvR

**6.2 TASK 3: LIAISON AND INFORMATION DISSEMINATION**

Information was submitted for the DWA Glossy Brochure. TN requested population figures. JDR emailed the updated population figures of the Crocodile West Catchment for both the urban and rural areas. It was requested that the population figures should be clearly defined.

**6.3 TASK 4: STAKEHOLDER ENGAGEMENT AND ADMINISTRATION**

**6.3.1 Matters arising from previous meeting**

- (a) **Item 6.3.1(b):** DWA Regional Office commented on SSC invitation list.
- (b) **Item 6.3.1(c):** Mr. LS Mabuda will chair the SSC Meeting.
- (c) **Item 6.3.1(e):** MCWAP team will make a presentation at the SSC. A draft agenda was distributed.
- (d) **Item 6.3.2(b):** Ms Lötter liaised with OvdB on MCWAP public participation process. HSP reported on the response from Mr Louis Loots. OvdB requested a list of all members, as well as their responses to the invitation. He noted that key people must attend the meeting.

HSP/OvdB

**6.3.2 Progress**

- (a) HSP reported that draft agendas and meeting invitations were distributed. Stakeholder entities were requested to nominate a representative.
- (b) A dry run meeting has been arranged for 22 July. All presenters are required to present at this meeting.
- (c) JPM will present the Determination of the Ecological Water Requirements on behalf of Barbara Weston. JPM and BW to liaise with PGvR on the requirements for this presentation.
- (d) The date of 29 July for the SSC may change, due to the Gauteng Water Indaba and a visit of the Portfolio Committee in the region during that period. TN will confirm ASAP.

JPM/BW

TN

**7. TECHNICAL TASKS**

**7.1 TASK 5: WATER QUALITY MODEL**

**7.1.1 Matters arising from previous meeting**

- (a) **Item 7.1(b):** The request to extend the scope to include the phosphates and nitrates to the WRPM model will not be considered, due to the moratorium on VOs.
- (b) **Item 7.1(d):** PGvR has requested the developers to update the WQT & WRPM manuals.

**7.1.2 Progress**

TC reported that good progress is made on this task, specifically with point sources.

**7.2 TASK 6: WATER RESOURCES PLANNING MODEL**

The WRPM model was setup. The developers added some functionality into the irrigation block. There was also an IT problem with the model that had been resolved.

**7.3 TASK 7: DEVELOPING OF OPERATING RULES**

**7.3.1 Matters arising from previous meeting**

- (a) **Item 7.3(a):** The Operating Rules will be included in the WRPM. This will be included in the revised Inception, within the budget limitation.
- (b) **Item 7.3(b):** Consultation with operators during the development of operating rules will only take place if Task 12 is approved.
- (c) **Item 7.3(c):** A System Operating Forum (SOF) will only be established if Task 12 is approved.

PGvR

**7.3.2 Progress**

OvdB noted that a real-time flow monitoring system would be required for the abstraction at Vlieëpoort. This has not been included in the MOCWS.

**7.4 TASK 8: WATER TARIFF REVIEW**

Mr. Ramsden started with the review on the water tariff. This task will be discontinued, due to budget constraints.

**7.5 TASK 9: RECONCILIATION STRATEGY REPORT UPDATE**

**7.5.1 Matters arising from previous meeting**

**Item 7.5(b):** SRK promised to send the All Towns Study reports for the Crocodile West Catchment.

HSP

**7.5.2 Progress**

(a) JDR reported that the previous water balance is now being reviewed and revised with the high population scenario with and without WCDM. This delay in the WCDM will be shown, as well as the impact of WCDM on return flows.

(b) The updated balance will include the MCWAP requirements, to be forwarded to the Vaal Reconciliation Strategy PSP.

JDR

(c) BB noted that new information is available (from Mr. Fred van Zyl) on future water requirements from Crocodile West resources, such as Klipvoor Dam. A volume of 3 million m<sup>3</sup>/a was included in the 1<sup>st</sup> Reconciliation Strategy to supply areas north of Bela-Bela. HSP will liaise with Alistair Wensley.

HSP

(d) BW noted that there are several applications for new mining developments. She will send the information to PGvR

BW/PGvR

**7.6 TASK 10: SUPPORT GROUP (SG) SUPPORT**

TN noted that this task will continue.

**8. ADDITIONAL TASKS**

**8.1 TASK 11: TASKS REQUESTED BY JOHAN VAN ROOYEN**

**8.1.1 Marginal cost of water**

MSB reported that the draft report was submitted for DWA to comment. The study was also presented to various stakeholders. It will probably also later be made available to the National Planning Committee.

### 8.1.2 Water Security

The draft report was completed. Currently further work on this task seems unlikely.

### 8.2 TASK 12: ANNUAL OPERATING ANALYSIS

Although this task was included in the Inception Report, it will not proceed due to budget limitations.

### 8.3 TASK 13: SUPPORT TO MCWAP

- (a) **Item 8.3(c):** The report on Support to MCWAP was submitted to DWA in June 2010.
- (b) **Item 8.3(d):** The analysis of the available yield from a raised Klipvoor Dam and a dam at Vlieëpoort was included in the Report.
- (c) **Item 8.3(e):** Due to budget constraints, requirement for additional support to the MCWAP team will not be done as part of the MOCWS.

### 8.4 TASK 14: TRAINING

#### 8.4.1 Matters arising from previous meeting

Due to budget limitations, Task 14 will be excluded from this study.

## 9. GENERAL

- (a) OvdB reported that it is important to present the Reconciliation Strategy of the Crocodile West Catchment at the next meeting of the Limpopo Environmental Action Forum (LEAF). He will forward the date of the meeting.
- (b) An action list was distributed in the meeting and will also be distributed with the minutes.

OvdB

HSP


## 10. NEXT MEETING

The next meeting is scheduled for 9:00 on 16 September 2010.

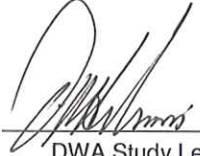
## 11. CLOSURE

The meeting was closed at 11:00.

*Minutes certified as correct and final*

  
PSP Study Leader

2010-09-16  
Date

  
DWA Study Leader

16-09-2010  
Date