



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. 7
 at 08:00 on 11 February 2011, BKS Pretoria**

1. WELCOME AND CONSTITUTION OF THE MEETING

The Chairperson, Mr. Tendani Nditwani (TN) (Chief Water Resource Planner: North) opened the meeting.

2. ATTENDANCE AND APOLOGIES

2.1 ATTENDANCE

An attendance register was circulated, as noted below:

Tendani Nditwani	(TN)	DWA: NWRP
Witek Jezewski	(WJ)	DWA: NWRP
Lebo Mosoa	(LM)	DWA: WRPS WQ
Alloisius Salagae	(AS)	DWA: WRPS – E&ES
Ockie van den Berg	(OvdB)	DWA: OA
Lerato Bapela	(LB)	DWA: WRPS
Koena Moabelo	(KM)	DWA: WUE
Johan Rossouw	(JDR)	BKS
Hermien Pieterse	(HSP)	BKS
Bernie Badenhorst	(BB)	DWA: Limpopo Region
Pieter van Rooyen	(PGvR)	WRP
<i>Trevor Coleman</i>	<i>(TC)</i>	<i>Golder</i>

2.2 APOLOGIES

Rens Botha	(RB)	DWA: North West Region
Hannes Pretorius	(HP)	DWA: Infrastructure Branch
Sanet van Jaarsveld	(SvJ)	DWA: OA
Barbara Weston	(BW)	DWA: RDM
Fanie Vogel	(FV)	Aurecon

OvdB indicated that although the Aurecon Project Management Support contract on MCWAP ended, FV indicated that he would like to continue his involvement.

ACTION

2.3 ABSENT

Martha Komape	(MK)	DWA: Limpopo Region
Smangele Mgquba	(S)	DWA: Climate Change

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

3. APPROVAL OF THE AGENDA

The Agenda was approved.

4. MINUTES OF PREVIOUS MEETING

4.1 APPROVAL

The minutes of the previous meeting was approved with the following corrections:

- **Item 6.3.2(b):** rephrase the 1st to read as follows: "TN reported that the Botswana's Department of Water Affairs representatives be invited to attend the SSC, as discussed at the Joint Permanent Technical Committee (JPTC) Meeting, to inform them of the Crocodile West Strategy."
- **Item 7.4.2(c):** add "require" in the sentence to read "may also *require* augmentation from the Crocodile"
- **Item 7.4.1(e):** replace "downstream" in the sentence with upstream"to read "some sensitive areas *upstream* of Klipvoor Dam"

4.2 MATTERS ARISING (NOT DISCUSSED IN THE ITEMS BELOW)

- (a) OvdB reported that when the next Limpopo Environmental Action Forum (LEAF) Meeting (refer to Item 4.2.2 from the previous meeting) is convened and a request received for a presentation on the Strategy, OvdB will inform the SMT in due time. It was requested that this item be removed from the next meeting's agenda.
- (b) Item 8.1.1 OvdB congratulated the Study Team with the "Marginal cost of water" report that was prepared for DWA as part of this study.

HSP

5. TASK 1: INCEPTION PHASE

Electronic copies of the Inception Report were distributed by e-mail to SMT members. This item to be removed from future agendas.

6. RECURRING TASKS

6.1 TASK 2: PROJECT MANAGEMENT – WORK PROGRAMME

- (a) HSP reported that tasks are progressing according to the work programme. Only Task 5: Water Quality Management is slightly behind schedule due to, amongst others, awaiting water quality data from Rand Water.

- (b) The programme (in PDF format) will be distributed in future with the progress report.

HSP

6.2 TASK 3: LIAISON AND INFORMATION DISSEMINATION

- (a) HSP noted that regular liaison and information dissemination are taken place.
- (b) PGvR reported that in a response to a request from the MCWAP team for information dissemination to the agriculture sector, he presented on 31 January 2011 in Thabazimbi, the principles of the WRPM, what the operational rules entails and the assurance of supply. The introduction to the operating rules task of this project will involve stakeholders in future through the System Operating Forum (SOF). The assurance of supply criteria for irrigation will require the completion of the *Validation and verification of existing lawful use study*.
- (c) Newsletter was prepared and distributed to all SSC members. It should be followed up that the newsletter is also posted on the DWA website.

AL

6.3 TASK 4: STAKEHOLDER ENGAGEMENT AND ADMINISTRATION

6.3.1 Matters arising from previous meeting

- (a) **Item 6.3.2(a):** The next SSC meeting will be held on 24 February 2011. A dry run meeting was scheduled for 11 February 2011 (after this meeting), and all SMT members have been invited.
- (b) **Item 6.3.2(b):** TN reported that Botswana's Department of Water Affairs was invited through the formal DWA structures to the next SSC meeting.

6.3.2 Progress

OvdB reported that DWA received a letter from Botswana about the concerns of farmers downstream the Crocodile and Mokolo Rivers, along the Limpopo River, about the transfer of water to and developments at Lephhalale. This matter was discussed at the JPTC Meeting and it was conveyed that the transfer will come from return flows and should not have an impact on current users. OvdB and TN will attend a meeting on 19 February 2011 to explain the situation to these farmers.

OvdB/TN

7. TECHNICAL TASKS

7.1 TASK 5: WATER QUALITY MODEL

7.1.1 Matters arising from previous meeting

- (a) Item 7.1(c): TN liaised with Francois van Wyk (Rand Water) regarding the request for water quality data.
- (b) Item 7.1(d): The PSP is proceeding with the calibration of the water quality data, based on data received from Johannesburg Water.
- (c) Item 7.1(e): BW requested the water quality objectives from LM – still outstanding.

LM/BW

7.1.2 Progress

- (a) OvdB stressed the importance of the water quality status for this catchment. He reported that MCWAP users have been advised that they will receive untreated water.
- (b) TC noted that the current task include only the modelling of TDS.
- (c) PGvR proposed that a 1st order water quality status assessment will be motivated for a VO.
- (d) On a question of LB about the cleaning up action at Hartbeespoort Dam, PGvR indicated that Petrus Venter (DWA Regional Office) will report back at the SSC Meeting about the "Harties metsi a me" Project.

PGvR

7.2 TASK 6: WATER RESOURCES PLANNING MODEL

7.2.1 Matters arising from previous meeting

Item 7.2.2 (c): The WQT results will be included in the WRPM after water quality calibration.

7.2.2 Progress

- (a) The setting up and testing of the WRPM were completed. Good progress with scenario analyses were made and more detailed feedback on the progress will be given at the dry-run meeting after this meeting.

7.3 TASK 7: DEVELOPING OF OPERATING RULES

- (a) PGvR explained that the WRPM contains the building blocks for the *Annual Operating Analysis Study* which will be executed for WRPS. Therefore work done for the WRPM will be used in development of the operating rules (this task), without duplicating any work.
- (b) LB reported that a PSP was appointed to undertake the *Crocodile West Annual Operating Analysis Study*. The study would commence as soon as the contractual matters have been resolved.
- (c) OvdB requested the implementation of a river management system through a real time model, since the Crocodile West River will be used as a conveyance system in the MCWAP augmentation system and therefore the river need to be managed. LM to liaise with OvdB.

LB

LM

7.4 TASK 9: RECONCILIATION STRATEGY REPORT UPDATE

7.4.1 Matters arising from previous meeting

- (a) **Item 7.4.1(b):** JDR reported that he received information on licence applications from BW, but it was not linked to a volume of water use. He requested that the volumes associated with each license application be made available to the PSP.

BW

- (b) **Item 7.4.1(d):** The groundwater information from the All Towns Study still need to be summarised per catchment and compared with current assumptions. JDR
- (c) **Item 7.4.1(e):** Roodeplaat Dam was included in the WRPM as the source for future water supply to the northern area in the Limpopo WMA, outside the Crocodile West River catchment.
- (d) **Item 7.4.2(c):** OvdB reported that RDM is busy signing off a Preliminary Reserve for the Mokolo River catchment, but no Resouce Classifications were done yet. It is proposed that if irrigation allocations are released, then the Reserve may need to be augmented from the Crocodile West River in future. BW to clarify. BW
- (e) **Item 7.4.2(d) and 7.4.2(e):** The latest demand figures/scenarios for the MCWAP from Eskom and Sasol were included in the latest updated water balance.
- (f) **Item 7.4.2(f):** A workshop on the WRPM (specifically explaining the principles of curtailments and risk) with Mokolo Agricultural Forum was held in Thabazimbi, as discussed in **Item 6.2(b)**.

7.4.2 Progress

- (a) PGvR reported that an updated water balance was done, to be presented at the SSC dry run meeting, for input into the Strategy.
- (b) JDR explained that in the WRPM, the water requirements to the areas north of the Crocodile West River catchment in the Limpopo WMA, which also includes Modimolle and Mookgopong, could easily be placed on either Klipvoor Dam or Roodeplaat Dam. Both scenarios will be considered, but since it is competing with other demands, such as the Lephallale area and Magalies Water, the dam with excess yield should be considered. This issue will be taken up in the Strategy. JDR
- (c) BB noted that there is an existing pipeline from Roodeplaat Dam to the north, that may make future pipeline options, rather from Roodeplaat Dam than from Klipvoor Dam, more environmentally favourable. Alistair Wensley to clarify/confirm. HSP

7.5 TASK 10: SUPPORT GROUP (SG) SUPPORT

No feedback.

8. ADDITIONAL TASKS

8.1 TASK 11: TASKS REQUESTED BY JOHAN VAN ROOYEN: WATER SECURITY

No comments were received on the draft report that was submitted to DWA.

8.2 TASK 13: SUPPORT TO MCWAP

This task has been completed. No comments were received on the report.

9. GENERAL

No additional matters discussed.

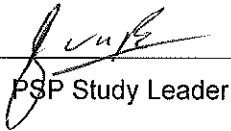
10. NEXT MEETING

The next SMT Meeting is scheduled for 5 May 2011 at 08:00 at BKS. This will be preceded by the PMM.

11. CLOSURE

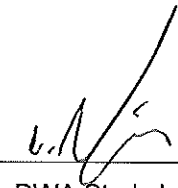
The meeting was closed at 10:00

Minutes certified as correct and final



PSP Study Leader

Date



DWA Study Leader

05/05/2011

Date