



water affairs

Department:
Water Affairs
REPUBLIC OF SOUTH AFRICA

Directorate: National Water Resource Planning

KWAZULU-NATAL COASTAL METROPOLITAN AREA WATER SUPPLY SYSTEM

Minutes of the Strategy Steering Committee (SSC) for the Implementation and Maintenance of the Reconciliation Strategy for the KwaZulu-Natal Coastal Metropolitan Area Water Supply System

Second meeting of the SSC, Thursday, 10 March 2011 at the Durban Jewish Club

		Notes / Actions
1.	<p>WELCOME AND INTRODUCTION OF MEMBERS</p> <p>Mr Peter van Niekerk, Department of Water Affairs (DWA) chaired the meeting and welcomed everyone at the second meeting of the Strategy Steering Committee (SSC) for the KwaZulu-Natal Coastal Metropolitan Area Water Supply System.</p>	
2.	<p>ATTENDANCE AND APOLOGIES</p> <p>All attendants introduced themselves. Appendix 1 to the minutes is an attendance register of all who have attended.</p> <p><u>Apologies received:</u></p> <ul style="list-style-type: none"> • Mr Neil MacLeod, eThekweni Metro • Mr Frank Stevens, eThekweni Metro • Mr Bryan Ashe, Geosphere • Mr Amar Sooklal, Durban Chamber of Commerce and Industry • Mr Andy Blackmore, Ezemvelo KZN Wildlife • Mr Thys Badenhorst, DWA KZN Region • Mr Johan van Rooyen, DWA National Water Resource Planning 	Appendix 1 – Attendance register
3.	<p>ACCEPTANCE OF AGENDA</p> <p>The draft agenda, which was circulated to all invitees prior to the meeting, was accepted with two additions:</p> <p>7.3.4 Lower Mkomazi Scheme</p> <p>10.1 Catchment management for water conservation</p>	
4.	<p>MINUTES AND MATTERS ARISING FROM THE FIRST SSC MEETING (2 September 2010)</p>	
4.1	<p>The minutes, with one addition, was accepted as a true reflection of the meeting held on 2 September 2010.</p> <p>6.1.1 under discussion vi) – The Department of Water Affairs should be replaced with the Department of Environmental Affairs.</p>	
4.2	<p>The following matters arising from the minutes were discussed – these matters were not covered</p>	

in the agenda:

- a) 5.1 ii) – Mr Peter van Niekerk, DWA responded that the TCTA will be brought in as and when required. Mr Kurt Fortuin attends the meeting and represents the DWA Infrastructure Branch.
- b) 5.1 iii) – Ms Angela Masefield, DWA responded that the Catchment Management Forums are not active at this stage. When these forums are functional again – representatives of each forum will be requested to become a member of the SSC.
- c) 6.1.1 ix) – Mr Niel van Wyk, DWA reported that the draft press release which was developed under the name of the SSC after the first SSC meeting in September 2010 was never released. Firstly management in DWA felt that officials cannot be involved in the development and releasing of a press release that was not compiled by DWA. Secondly, after the release was changed accordingly and submitted to the DWA Minister (then Ms Sonjica) it was never approved for release. A new Minister has subsequently been appointed.

In the meantime, members of the SSC were encouraged to use the information contained in the press release freely to communicate the seriousness of the potential water shortages facing the coastal metropolitan areas. The following were subsequent actions:

- Mr Bryan Ashe has communicated the information in the NGO sector;
- Mr Niel MacLeod, eThekweni communicated to the local press and some reports were published;
- Mr Mike Muller mentioned the water situation at an international conference;
- Mr Bill Pfaff reported that a report was submitted to the eThekweni Council in January 2011 to make them aware of the water situation;
- Ms Angela Masefield said the water situation was in detailed discussed at a Water Summit that was held in KZN in December 2010. In addition the DWA Minister had a meeting with the KZN Premier towards the end of Feb/beginning March and the seriousness of the situation was discussed. It is trusted that the Premier mentioned the situation to Mayors in the province already. As an outcome of this meeting a Water Committee will be established to discuss water matters on a provincial level.

Mr Van Wyk thanked members for understanding that the DWA did not manage to release the press release. He thanked every member for making sure that the important message was not lost.

5. STATUS AND RECAP SINCE THE FIRST SSC MEETING

- 5.1** Mr Niel van Wyk, DWA presented feedback from the Technical Support Group (TSG) which met on 24 November 2010 in Durban. A report on the meeting as well as the minutes of the meeting is attached as Appendix 2.

Appendix 2 –
Presentation
and minutes of
the TSG
meeting

- 5.2** Mr Niel van Wyk, DWA presented the updated water balance for the reconciliation scenarios for the Mgeni and Mdloti Systems. The water balances are based on the updated implementation schedules of the studies and projects making up the strategy and included the latest water requirements projections compiled by Umgeni Water with inputs from the local municipalities in the area. Water balance results with the revised project schedules showed that the supply deficits have increased and the duration of the deficits has lengthened specifically in the Mgeni River System. Based on the current assessment of dam levels the risk of water restrictions in the area is still very high. Mr Van Wyk presented strategic actions to be followed to manage the situation. Please see Appendix 3 for the presentation and the list of proposed actions.

Appendix 3 -
Presentation

Study Team

	<p>Discussion:</p> <ul style="list-style-type: none"> i. Mr Steve Gillham, Umgeni Water said that the demand projections were compiled in September 2010. Since then a decrease in the demand has been experienced and it is largely due to the successful implementation of Water Conservation and Water Demand Management (WC/WDM) measures by eThekweni Metro. 	
6.	<p>SSC DRAFT TERMS OF REFERENCE (TOR) AND MEMBERSHIP</p> <p>Mr Peter van Niekerk, DWA asked if any comments were received on the Draft Terms of Reference as was presented to members at the previous SSC meeting. No comments were received and the Van Niekerk asked if there were consensus in accepting the TOR as a final document for the SSC. Members agreed, subject to the following:</p> <ul style="list-style-type: none"> i. That Mr Kurt Fortuin be added to the SSC member list ii. That representatives of the Catchment Management Forums in KZN be requested to become members when the forums are functional. 	Study Team Study Team
7.	<p>UPDATE ON PROGRESS ON THE IMPLEMENTATION OF THE MAIN RECOMMENDATIONS OF THE RECONCILIATION STRATEGY</p>	
7.1	<p>INFRASTRUCTURE DEVELOPMENT PROJECTS</p>	Appendix 4 - Presentation
7.1.1	<p>Spring Grove Dam</p> <p>Mr Kurt Fortuin, DWA presented the progress made with regards to the proposed construction of the Spring Grove Dam. His presentation highlighted the following:</p> <ul style="list-style-type: none"> • Construction of the dam was proposed to start on 21 February 2011 with the projected water delivery in 2013. • The following risks are being managed by DWA: <ul style="list-style-type: none"> a. The agreement between the DWA and Umgeni Water is being finalised. The TCTA is driving the offtake agreements with municipalities which are also in its final stages. These agreements have to be finalised before the construction can commence. b. The project schedule is very tight. To meet the proposed deadlines for construction and impoundment no slippage can be accommodated. c. The land acquisition process is underway and has to be managed carefully. d. Interest is payable in terms of the money loaned for the development. • Delays experienced were caused by an appeal against the Environmental Impact Assessment for the associated pipeline as well as the time it took in terms of the negotiations with the agreements between TCTA, Umgeni Water and the municipalities. <p>Discussion:</p> <ul style="list-style-type: none"> i. Mr Steve Gillham, Umgeni Water said that the critical path from now on will be to manage the contractors responsible for the construction of the dam, which are already one month behind the original schedule. The construction of the pipeline is still delayed due to the appeal against the EIA. The result of this delay will show negatively on the water balance. Mr Kobus Bester, DWA responded that the existing Meams pipeline will be used until the new pipeline can be constructed. The existing pipeline's capacity is much lower than that of the proposed new pipeline. TCTA assessed the existing pipeline and pump station. It was found that the pipeline is in a fairly good condition; however the pump station will need some attention. 	
7.1.2	<p>Raising of Hazelmere Dam</p> <p>Mr Fortuin presented the progress made with regards to the proposed raising of the Hazelmere Dam. His presentation highlighted the following:</p> <ul style="list-style-type: none"> • The letter to implement the project as a Government Water Works was signed by the Minister of Water and Environmental Affairs on 8 June 2010. • The final draft of the Record of Implementation Decision was completed and signed. • The Mdloti Reserve was signed off by the DWA Resource Directed Measures (RDM) 	Appendix 4 - Presentation

	<p>Directorate.</p> <ul style="list-style-type: none"> • The capital costs for the project is estimated at approximately R116 million. • The installation of the gates will commence in June 2012 with the commissioning of the gates estimated at April 2013. <p>Discussion:</p> <ul style="list-style-type: none"> i. Mr Speedy Moodliar, eThekweni asked whether extraction from the raised dam can only be expected in 2014 and whether this is aligned with the water balance scenarios presented earlier? It was mentioned that in the presented programme construction was indicated to occur during the wet season, however the dam level has to be lowered below the full capacity level for the construction process. The programme will have to be reviewed. ii. Ms Di Jones, Dolphin Coast Conservation and WESSA asked if the dam cannot be desilted when the levels are to be lowered for the construction of the gates? Mr Bester responded that several studies have been conducted towards the investigation of the possible desiltation of the dam. The last survey on the siltation in the dam was done in 2000. It was found that the dam silts up at one percent of the volume of the dam per annum. The silt is toxic and an EIA will be required to proceed with any plan to desilt the dam. On the DWA website information can be found about the composition of the silt which was identified as toxic. iii. Mr Moodliar said that the Metro has several requests from developers that need water from the system. Mr Peter van Niekerk, DWA referred this matter to the Technical Support Group, indicating that these water requirements need to be included in the next update of the water projections for the area. 	<p>The graph on p4 of the progress report will be updated by the Study Team</p> <p>TSG</p>
7.1.3	<p>North Coast bi-directional pipeline II</p> <p>Mr Gillham presented the progress made with regards to the construction of the North Coast pipeline from Honolulu to Mvoti. His presentation highlighted the following:</p> <ul style="list-style-type: none"> • The target completion date is September 2010. • Umgeni Water is awaiting authorisation from DWA for the expropriation of the pump station site. The tender for the construction of the pump station will follow thereafter with an expected six month construction period. • The tender for the construction of the Mvoti River crossing is being adjudicated. The river crossing will take approximately six months to construct. • Umgeni Water will complete the upgrade of the bulk supply from Hazelmere Dam. • Further plans to link the Lower Thukela Bulk Water Supply Scheme into the North Coast Supply system is proposed for 2018. It is anticipated that the Lower Mvoti Bulk Water Supply Scheme will be linked into the North Coast Supply System by 2025. 	<p>Appendix 5 - Presentation</p>
7.2	<p>WATER CONSERVATION AND WATER DEMAND MANAGEMENT (WC/WDM)</p> <p>Mr Paul Herbst, DWA provided feedback on WC/WDM activities from a national perspective. He highlighted the following in his presentation:</p> <ul style="list-style-type: none"> • Key activities undertaken by the DWA • The national problem statement from Minister Sonjica and the need for WC/WDM activities in the country • Training activities and the outcome thereof to municipalities • The proposed way forward for municipalities, Regional DWA offices and DWA Head Office • The overall way forward which can be summarised as follows: <ul style="list-style-type: none"> a. Compile a national Non-Revenue Water report b. Alignment of Key Performance indicators (KPI) with other government departments c. Training and capacity building d. Municipalities must implement WC/WDM, reduce water losses and Non-Revenue Water and report on these quarterly to the Presidency against the target to reduce 	<p>Appendix 6 – Presentation</p>

- water losses by half by 2014.
- e. Publish regulations in terms of the National Water Act and the Water Systems Act
- f. Institutionalisation of WC/WDM and DWA and the CMAs
- g. Municipalities and DWA to create WC/WDM forums with the aim to halve water losses by 2014.

Discussion:

- i. Mr Peter van Niekerk asked how it will be best for the SSC to become involved with the WC/WDM activities apart from what it is currently doing? Ms Angela Masefield, DWA Regional Office reported that at the KZN Water Summit held late last year and at the meeting between the KZN Premier and the DWA Minister WC/WDM was a discussion point. The Water Committee to be formed will focus on WC/WDM and relevant sub-committees will be formed which will most likely include a sub-committee for WC/WDM. Mr Herbst also added that municipalities in KZN are fairly good with reporting on their activities on a quarterly basis.
- ii. Mr Bill Pfaff, eThekweni Metro said that more reasonable targets for reducing water loss have to be set. He mentioned that to halve water losses by 2014 is unrealistic. He mentioned that it is good to see that the Key Performance Indicators are being reviewed as municipalities have to complete far too many forms for each department/organisation. He added that he supports the rationalisation of reporting.
- iii. Mr Pfaff also said that they received a set of draft proposed municipal by-laws from DWA national for their comments in December 2010. He said that eThekweni provided their comments by January 2011, however they received no further communication. Mr Herbst responded that the comments and inputs were received. He said that a meeting to discuss the comments received was recently held. It was agreed that many of the by-laws would be passed onto the Southern African Bureau of Standards (SABS). The DWA plans on distributing a model set of by-laws to municipalities which can be used in terms of WC/WDM.
- iv. Mr Simon Scruton, eThekweni also mentioned that the proposed target to halve water losses by 2014 is not feasible. Ms Masefield responded that the proposed Water Committee should discuss the targets set and that the SSC will be provided feedback with regards to the discussions of the Water committee.

DWA Region to provide feedback on the Water Committee discussions at each SSC

7.2.1 Feedback from eThekweni Metro, iLembe Municipality and Msunduzi Municipality

Mr Mark Shepard, from Joat Consulting presented an overview of the WC/WDM activities for the eThekweni Metro, iLembe Municipality and Msunduzi Municipality. WC/WDM in these municipalities is showing promising results in terms of non revenue water reduction and reduction of water leaks. The presentations are attached as Appendix 7 to 8.

The municipalities were thanked for the feedback and proactive approach to ensure the curbing of water losses in their municipal areas.

Appendix 7, 8 and 9 – Presentations

7.3 FEASIBILITY STUDIES

7.3.1 Lower Thukela Bulk Water Supply Scheme

Mr Gillham, Umgeni Water presented the progress made thus far with the feasibility study on the Lower Thukela Bulk Water Supply Scheme. His presentation highlighted the following:

- A detailed feasibility study of and a preliminary design for the proposed scheme has been undertaken and Umgeni is currently commenting on the draft feasibility / preliminary design report. The report should be finalised by end March 2011.
- The EIA is nearing completion and requires addition of the proposed new route changes. It is anticipated that the EIA will be submitted in July 2011.

Appendix 10 - Presentation

- The construction of the scheme is to commence in 2016 with commissioning anticipated towards 2017/18.

Discussion:

- Mr Speedy Moodliar, eThekweni asked what will trigger the construction date to be moved forward? Mr Gillham responded that demand for more water will move it forward, however a decrease in demand will move the proposed construction date out even further.
- Mr Moodliar and Ms Anne Bindoff, Sappi provided their concerns for a high demand and asked whether the construction date can be moved forward. Mr Gillham responded that Umgeni Water reviews the situation on an annual basis and mentioned that detailed designs will commence later this year. He added that as part of the finalisation of the feasibility report a detailed schedule will be completed.

7.3.2 Mgeni System: Large Scale Desalination Plant

Appendix 11 -
Presentation

Mr Steve Gillham, Umgeni Water presented on the progress made with the investigation into possible seawater desalination plants on the East coast. His presentation highlighted the following:

- The Pre-Feasibility report was completed in May 2009 followed by a workshop which was held with Australian experts in February 2010.
- Initial screening of identified sites was completed in-house in July 2010. These were followed up with workshops in July/August 2010 of the potential sites with stakeholders.
- The site selection process is currently being finalised.
- The appointment of Australian experts (GHD) will be finalised in March 2011.
- Terms of References will be compiled to appoint consultants to undertake, between July 2011 and March 2013, the Feasibility study / preliminary design of the inlet and outlet works as well as the linkage to the bulk supply network. EIA consultants will also be appointed. The desalination plant costs, contractual requirements and energy requirements will also be investigated in this time.

7.3.3 Mkomazi River Transfer Scheme and Mvoti River Development Projects

Appendix 12 -
Presentation

Mr Kobus Bester, DWA presented the progress made with the Mkomazi and Mvoti Water Feasibility studies.

Mr Bester updated the meeting on the latest planning issues regarding MMTS-2B (the conveyance system from Spring Grove Dam)

- The acting Director General (DG) of DWA approved the utilisation of the TCTA for resolving the final route of the conveyance system in February 2011.

His presentation highlighted the following with regards to the Mkomazi Water Project:

- The Pre-feasibility studies conducted recommended that the Mkomazi Water Project Phase 1 should be studied further. The Feasibility study will consist of:
 - The construction of the Smithfield Dam near Richmond – 58m high dam wall.
 - A 33 km long conveyance system
 - A new water treatment works at Baynesfield in the Mlazi River valley
 - A 22km log twin 1.6m diameter gravity pipeline to a reservoir at Umlaas Road.
- The ToR for the Feasibility Study was advertised on 4 March 2011. It is anticipated that the study will take place over five years.
- Proposals for the Environmental Studies will be advertised in the next five months and it is estimated that these studies will be conducted over 4.5 years.

On the Mvoti Water Project the following issues were reported:

- The project will augment the water supply to the KwaZulu-Natal North Coast. During the feasibility study comparative analysis between desalination, the Mvoti Project and augmentation from the Thugela will be done.
- It is anticipated that the feasibility studies will start by October 2011 and it will take 4 years to complete.

7.3.4 Lower Mkomazi Scheme

Mr Steve Gillham, Umgeni Water reported that development is picking up on the South Coast. The area is currently supplied by the Mgeni System which is already stressed and cannot be relied on in the long term. He said in terms of capacity and demands Umgeni Water has a ten year planning window to look for a source of additional water supply. He mentioned that the proposed desalination plant, mentioned in 7.3.2 may be an option for additional water supply. He added that water could also be extracted from the Lower Mkomazi system and that the option will have to be investigated in detail. The proposed DWA Feasibility study mentioned in 7.3.3 will provide insight in terms of the hydrology and further options.

Discussion:

- i. Mr Speedy Moodliar, eThekweni asked when will the hydrology information come from the DWA study? Mr Kobus Bester, DWA responded that the Feasibility Study will be conducted over a five-year period, however the necessary hydrology information may be available in the next two to three years. He added that a Reserve determination will be required and this may potentially be a risk and a delay for the information to be forthcoming. Mr Niel van Wyk, DWA added that the hydrology information will assist with the determination of the Reserve and classification of the water resources. Ms Shane Naidoo, DWA was requested to provide feedback from the Directorate RDM in terms of the progress on the proposed Reserve determination at the next SSC meeting.

Ms Shane Naidoo to provide way forward at next meeting.

7.3.5 Utilisation of Treated Effluent

Mr Bill Pfaff, eThekweni Metro presented progress made on the feasibility study on the utilisation of treated sewage effluent that is being undertaken by eThekweni Metro. His presentation highlighted the following points:

- The Feasibility Study for the proposed project was completed in September 2010.
- The treated sewage effluent from the KwaMashu, Phoenix and Northern Waste Water Treatment Works (NWWTW) will be collected and treated in separate plants at the Northern and KwaMashu WWTW – 51 Ml/day and 64 Ml/day plants respectively to a potable standard before pumping into the northern aqueduct.
- The EIA for the project which is planned to start in July 2011 will raise the public profile of the study. It is anticipated that the EIA will be completed by April 2012.
- Public perception of direct re-use remains a challenge.
- DWA requested the determination of the Reserve on the Mgeni estuary before issuing of a water use authorisation and Marine and Estuary Research was appointed by DWA in March 2011 to undertake the study. The results from the study should be available by June 2011. .
- Construction of the infrastructure required is planned between January 2014 and December 2015 with commissioning early in 2016.
- The Mgeni Estuary is already impacted on and the Reserve determination will clarify the extent to which the system can accommodate the impact of two re-use plants.
- The effective life span of the re-use plants is estimated at 8 years between 2016 and 2024, until such time that the Mkomazi Scheme is commissioned. The capital outlay is approximately R1 billion. Serious decisions will have to be taken as to the need for the proposed development in the context of its life span and other additional options such as the desalination plant.

Discussion:

- i. Ms Angela Masfield, DWA said that the proposed re-use development was discussed at the 2010 Water Summit and the subsequent Premier's meeting. She reported that the concept of treated sewage effluent for potable use was not well accepted.
- ii. Mr Garth Dobie, iLembe Municipality asked where else in the world is re-use practised. Mr Pfaff explained that the only other plant where direct re-use of sewage effluent for

Appendix 13 - Presentation

	<p>potable water is used is in Windhoek, Namibia.</p> <p>iii. Mr Pfaff noted that a study was done on perceptions of re-use of treated sewage effluent for potable use and it was found that there are no specific “show-stoppers”, however the equitable use of the treated water was highlighted. It will be unacceptable if sewage effluent from so called rich areas be treated to potable standards for use by so called poor areas. In the case of the eThekweni Metro, the treated water will enter the main aqueduct and be distributed to all areas.</p> <p>iv. Ms Di Jones, Dolphin Coast Conservation and WESSA asked why the proposed scheme should be a public private partnership and why it cannot be a 100% privately owned endeavour? Mr Pfaff responded that for all intent and purpose the scheme will be fully privatised, however municipal regulations only allows for a 30-year private ownership of the scheme which brings serious contractual stumbling blocks.</p>	
8	<p>SUMMARY OF UPDATED RECONCILIATION STRATEGY AND REVISED ACTION LIST</p> <p>Participants were referred to the action list as presented during the first presentation – see 5.1 and Table 1 on page 12 of the Progress Report. Mr Niel van Wyk, DWA said the action list will be updated and distributed to all as part of the progress report by the end of March 2011.</p>	
9	<p>INSTITUTIONAL ARRANGEMENTS</p>	
9.1	<p>System Operation Management Forum Dr Beason Mwaka, DWA reported that the establishment of a System Operation Management Forum (SOMF) is underway. He invited the SSC members to attend the initiation meeting on 15 March 2011 at the DWA Regional Office at 10:00. He said inputs from stakeholders will be key to the success of the Forum and the proposed system operating rules that will be forthcoming. A draft Terms of Reference for the Forum will be discussed at the meeting as well as the proposed next steps. The scenarios and water balances discussed earlier in the meeting will be further discussed in view of the development of system operating rules. Dr Mwaka informed the meeting that the SOMF will thereafter meet again in May 2011 when dam level data will be assessed and a decision on the imposition of water restrictions will be taken. Dr Mwaka was requested to provide feedback on the Forum at the next SSC meeting.</p>	Dr Mwaka to provide feedback on the Forum at the next meeting
9.2	<p>Water Savings Forum Mr Van Wyk said that it is anticipated that the proposed Water Committee to be established will encompass all water related issues, including WC/WDM and water savings. Report back on the Water Committee’s activities will be provided at the SSC. Should it be found that water savings <i>per se</i> is not satisfactorily discussed at the committee; the SSC will review the establishment of a Water Savings Forum.</p>	DWA to provide feedback on Water Committee activities to the SSC
10.	<p>ACTION TO SUPPORT THE IMPLEMENTATION OF THE STRATEGY</p>	
10.1	<p>Formal commitments by participating organisations Mr Niel van Wyk, DWA requested all members of the SSC to follow through on actions discussed and agreed upon at the SSC meetings. He requested that members should take the trouble to communicate in their organisations about the deliberations of the SSC. The progress report and news release is public information and made available to members within three weeks of the SSC meetings with the purpose that members can take the content for their own reporting procedure.</p>	
10.2	<p>Follow on activities Mr Van Wyk asked that the team of consultants and the TSG members follow-up on the discussions of the meeting and action the items mentioned.</p>	

	<p>Discussion:</p> <p>i. Mr Peter van Niekerk, DWA said that water restrictions may potentially be announced in May 2011 and asked how this will be implemented and whether the TSG will be directly involved. Dr Beason Mwaka, DWA responded that the System Operation Management Forum will discuss the matter from where it will recommend that the DWA KZN Regional Chief Director investigate the matter. Should the Regional Chief Director find that it is indeed necessary the proposal will be gazetted and announced in the province. Dr Mwaka again invited all members to attend the initiation meeting of the Forum as mentioned under 9.1.</p>	
11.	<p>COMMUNICATION</p> <p>Mr Niel van Wyk, DWA said the following procedure will be followed:</p> <ul style="list-style-type: none"> • The consultant team will prepare a draft news release, draft minutes and a draft version of an updated progress report within one week. • The draft documents will be submitted to DWA for their review (DWA to review within week two after the SSC meeting). • The draft documents will be distributed to all SSC members at the end of week two for their review and comments. • The consultant team will consider and incorporate all comments and send out final versions of the documents to all SSC members. 	Study team/DWA
12.	<p>GENERAL</p>	
12.1	<p>Catchment management for water conservation</p> <p>Mr Bill Pfaff, eThekweni Metro said that he is aware of initiative in the Krom River, Eastern Cape to increase the yield through land management activities – which could include the removal of invading alien vegetation. He requested that the SSC look into land management activities proactively. Mr Niel van Wyk, DWA responded that land management activities could be regarded as a possibility for the Reconciliation Strategy. He said that he is aware of the Baviaanskloof initiative where payment for ecosystem services is being investigated. The initiative can in some ways be regarded as an extension of the Working for Water Programme. It was suggested that the consultant team investigate the possibilities of land management activities and the proposed implementation thereof in the study area. It was resolved that the STC should investigate what potential this approach has for the reconciliation strategy and report back at the next meeting.</p> <p>Mr Steve Gillham said that he has done an economic study on the option of clearing of alien vegetation from riparian zones in the Mgeni catchment and said that he can make the study report available.</p>	Study Team to investigate the feasibility of land management activities.
10.	<p>WAY FORWARD</p> <p>Mr Peter van Niekerk, DWA said the way forward is clear in terms of the strategic actions which were presented at the meeting. He said that feedback from the initiation meeting of the System Operation Management Forum will be appreciated at the next SSC meeting. Umgeni Water will revise their water projections based on information of the demands of the municipalities at the end of August / beginning of September 2011 thus updated information will be available then.</p>	
11.	<p>DATE OF NEXT MEETING AND CLOSURE</p> <p>All members were thanked for their participation. The next meeting is scheduled for Tuesday, 27 September 2011.</p>	