



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

Third meeting of the SSC, Tuesday, 27 September 2011 at the Durban Jewish Club

| | | Notes / Actions |
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| 1. | WELCOME AND INTRODUCTION OF MEMBERS Mr Peter van Niekerk, Department of Water Affairs (DWA) chaired the meeting and welcomed everyone at the third meeting of the Strategy Steering Committee (SSC) for the KwaZulu-Natal Coastal Metropolitan Area Water Supply System. | |
| 2. | ATTENDANCE AND APOLOGIES All attendants introduced themselves. Appendix 1 to the minutes is an attendance register of all who have attended. <u>Apologies received:</u> <ul style="list-style-type: none">• Ms Nicolette Forbes, Marine & Estuarine Research• Mr Kurt Fortuin, DWA• Ms Barbara Weston, DWA• Ms Bianca McKelvey, WESSA• Mr Amar Sooklal, Durban Chamber of Commerce and Industry• Mr Andy Blackmore, Ezemvelo KZN Wildlife• Mr Thys Badenhorst, DWA KZN Region | Appendix 1 – Attendance register |
| 3. | ACCEPTANCE OF AGENDA The draft agenda, which was circulated to all invitees prior to the meeting, was accepted with three additions: <ul style="list-style-type: none">- Model set of by-laws (to be discussed under matters arising)- Lower Mkomazi (to be discussed as part of the agenda points)- Climate change – to become a standard item on the agenda | |
| 4. | MINUTES AND MATTERS ARISING FROM THE SECOND SSC MEETING (10 March 2011) | |
| 4.1 | The minutes, with two additions, was accepted as a true reflection of the meeting held on 10 March 2011. 7.1.1, page 3, first bullet under the presentation highlights should read: Construction of the dam started on 21 February 2011 with the projected water delivery date in 2013. 7.1.3, page 4, first bullet under the presentation highlights should read: The target completion | |

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| | date for the pipeline component was met on 10 September 2010. | |
| 4.2 | <p>The following matters arising from the minutes were discussed – these matters were not covered in the agenda:</p> <ul style="list-style-type: none"> a) 7.2 iii) – Mr Bill Pfaff, eThekweni Metro 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 Paul Herbst, DWA responded that many of the by-laws were passed onto the Southern African Bureau of Standards (SABS). The DWA has to follow up with the SABS for their feedback. b) 7.3.4) – Ms Shane Naidoo, DWA reported back on progress on the proposed Mkomazi Reserve determination as follows: The process towards the selection of a professional service provider (PSP) for the proposed project to determine the Mkomazi Reserve has been finalised. Approval within DWA is awaited. It is anticipated that the PSP may be appointed by 1 November 2011. The project duration will be 36 months and it is expected to have the reserve for the Mkomazi River ready within 18 months. The Reserve of significant sources within the study area will be determined in a comprehensive manner. c) 12.1) Mr Niel van Wyk, DWA reported on the possibility to increase yield through land management activities as follows: It is important to adapt a culture to maintain a catchment, however from a water resource perspective land management activities do not provide a short-term solution. After investigating several initiatives offered by different service providers in different catchments, it was established that the service offers good long-term benefits. For the purpose of this study, members need to ask themselves how do we proceed with this in the longer term? DWA is already involved in a maintenance contract in the study area, the question is do we include catchment management activities under the maintenance contract? <p>In response to Mr Van Wyk's question, Mr Steve Gillham, Umgeni Water said that water users already pay catchment management charges and they do not see where the money goes. Catchment Management Agencies (CMAs) were supposed to be responsible to spend such charges wisely, however CMAs have not been established yet. The funding mechanisms of such initiatives should be looked at carefully.</p> <p>Mr Johan van Rooyen, DWA said that this SSC should look into what should be included as catchment management charges, funding mechanisms, etc. He said that DWA will draw up a Terms of Reference (TOR) for a reconnaissance study to be done on land management activities in catchments, clearing of invading alien plants, catchment management charges and the implementation thereof, DWA's tariff policy, etc.</p> <p>Mr Julian Kiepel, Cogta added that his department undertook a study (available on the Tugela District Municipality's website) on carbon trading for the clearance of invading alien plants. It was found that municipalities are not eagerly supporting such initiatives.</p> | <p>Mr Paul Herbst to follow-up with the SABS and provide feedback at the next SSC</p> <p>DWA will compile a draft TOR for the SSC to review at the next meeting.</p> |
| 5. | STATUS AND RECAP SINCE THE FIRST SSC MEETING | |
| 5.1 | <p>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.</p> <p>The current revised water projections indicate a lower water requirement than previous projections. Based on this current projection, combined with the current full status of the storage dams, no supply deficits are experienced in the system to year 2030 if the planned water supply schemes are implemented timeously. This decrease in water requirements can probably be</p> | <p>Appendix 2 – Presentation</p> |

attributed to the implementation of Water Conservation and Water Demand Management (WC/WDM) measures and a lower projected growth in development than previously envisaged.

Due to the lower water requirements projected, some of the schemes are required later than the dates specified in the latest implementation schedule. Mr Van Wyk presented strategic actions at the last meeting; however please see Appendix 3 for the presentation and the list of strategic actions which are underway.

Discussion:

- i. Mr Frank Stevens, eThekweni Metro said that he would like to believe that the water loss system at the Metro is now beginning to show results. His comments were echoed by Mr Speedy Moodliar and Mr Steve Gillham.
- ii. Mr Stevens added that eThekweni Metro had a moratorium on development due to the water situation and he said a reason for the lower water requirements could be that the moratorium took effect. He also said that it is very difficult to determine the actual water use (as was depicted with the dark line on the graph) as it represents the capacity of the water treatment plants in the study area. He said water use is now controlled by the water purification ability in the system and that certain catalysts may result in a rapid increase in water requirements.
- iii. Mr Peter van Niekerk, DWA stated that KZN had a wet season and asked what the effect of that was on water availability? Mr Gillham responded that the province did not have a wet season, but an unusual season with late rains.
- iv. Mr Niel van Wyk said that the water balance graph is very encouraging, especially since it seems that the lower requirements were brought on by special WC/WDM measures from eThekweni Metro. He cautioned however that WC/WDM has to be sustainable if the savings achieved so far are to continue to improve the reconciliation situation.
- v. Mr Bill Pfaff said the water balance for the Mgeni system demonstrates how critical the planning of the Mkomazi River Development project is. He said the proposed programme for the Mkomazi River Development project is critical for planning potential re-use and desalination schemes.
- vi. Mr Steve Gillham said that the current scenarios are very simplistic and does not give effect to any spatial planning and water requirements.
- vii. Mr Niel van Wyk said the planning and implementation of the strategy for the study area will have to be relooked at with caution ensuring that infrastructure is ready when required. Mr Johan van Rooyen added that the infrastructure options will have to be taken into consideration when the next strategic decisions are made. He said the study on the Mkomazi will have to be very well aligned with the current activities and plans. Members of the SSC will have to think of risks when the proposed re-use and desalination projects are scheduled for later implementation.
- viii. Mr Speedy Moodliar said that eThekweni Metro is concerned about inland water supply. He said that Midmar Dam will not be able to meet future demands. He said in his opinion the proposed re-use and desalination projects will support coastal demands, but what is being done for inland demands?
- ix. Mr Peter van Niekerk said a detailed Gantt chart will have to be developed to show the linkages between proposed projects and how these influence one another. Dr Andre van Niekerk, Golder Associates responded that planning seems a challenge since a strategic decision has to be taken on how to bridge the ten-year potential deficit gap between the implementation of Spring Grove Dam and the Mkomazi Schemes.
- x. Mr Niel van Wyk said that it is clear that the upper areas in the catchment may have a

Study team to relook at the strategy and various scenarios

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| | <p>great water need. He asked if the proposed re-use and / or desalination projects are implemented whether that will meet the need? Mr Gillham responded that this question has been addressed with the studies underway for the proposed Darvill waste water re-use project. He mentioned that R300 million is a lot to spend on a project if there is no return on investment.</p> <p>xi. Mr Pieter van Rooyen, WRP said that the scenarios were developed of yield shifts to supply the need beyond 2030. He suggested that those scenarios be revisited. He also mentioned that Mzunduzi municipality is a large consumer of the Midmar Dam resources and said that they will have to step onboard with WC/WDM initiatives.</p> <p>xii. Mr Steve Gillham recommended that the presented water balances be divided into inland and coastal balances. He offered assistance from eThekweni Metro and Umgeni Water's side.</p> | Study team to revisit scenarios and divide them into inland and coastal water balances |
| 6. | UPDATE ON PROGRESS ON THE IMPLEMENTATION OF THE MAIN RECOMMENDATIONS OF THE RECONCILIATION STRATEGY | |
| 6.1 | INFRASTRUCTURE DEVELOPMENT PROJECTS | Appendix 3 - Presentation |
| 6.1.1 | <p>Spring Grove Dam (Mooi-Mgeni Transfer Scheme)</p> <p>Mr Kobus Bester, DWA presented the progress made with regards to the construction of the Spring Grove Dam. His presentation highlighted the following:</p> <ul style="list-style-type: none"> Construction of the dam started on 21 February 2011 with the projected water delivery in 2013 (construction completion estimated on 21 May 2013). The professional service provider began with the fish barrier designs. The traffic EMP was approved on 17 August 2011. The land acquisition/expropriation of the left bank is expected to be completed by the end of September 2011. <p>Discussion:</p> <p>i. The dates with regards to the completion of this project are not correct in the progress report and will be updated.</p> | Study team |
| 6.1.2 | <p>Raising of Hazelmere Dam</p> <p>Mr Bester 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 land acquisition of the affected area at Oakford Priory was completed in April 2011. A professional service provider for the design and site supervision of civil works was recommended, but approval is awaited from National Treasury. Specification and tender document for the appointment of a gate contractor for design, manufacture and installation of crest gates is nearing completion. Revision of EMP for construction has been approved by Department Environmental Affairs. Completion of the project is expected by December 2013. | Appendix 3 - Presentation |
| 6.1.3 | <p>North Coast pipelines and Hazelmere supply infrastructure</p> <p>Mr Gillham presented the progress made with regards to the construction of the North Coast pipelines and Hazelmere supply infrastructure. His presentation highlighted the following:</p> <ul style="list-style-type: none"> Avondale to Honolulu Pipeline was completed in November 2009. The Honolulu to Mvoti Balancing Reservoir Pipeline contract was completed in October 2010. The construction of the pipe bridge is approximately 25% complete. The programme for the booster pump-station still to be determined once the land issue is resolved. The request for approval to expropriate the land has been with the Minister of | Appendix 4 - Presentation |

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| | <p>Water Affairs for almost a year now.</p> <ul style="list-style-type: none"> • The detailed design of the Hazelmere Raw water Pipeline is currently in progress. • The overall detailed design of the Hazelmere WTP Upgrade is at 69% complete. (Civil Design 86%, Process 60%, Mechanical 95%, Electrical 5%) • Hazelmere to Bifurcation Pipeline and Pump Station – the design of the pipeline is complete and the detailed design of the pump station is about to commence. The professional Service Provide has been appointed. <p>As the way forward, he highlighted the following:</p> <ul style="list-style-type: none"> • Honolulu to Mvoti Balancing Reservoir Pipeline: Construction of the pipe bridge is scheduled to be completed by November 2011. • Hazelmere supply infrastructure: Obtain Environmental Authorisation and complete the upgrade of a) the raw water pipeline from dam to waterworks (2013), b) the upgrade of Hazelmere WTP to 75Ml/day (2013/14) and c) the upgrade Hazelmere to Bifurcation Pipeline and Pump Station (2013). <p>Mr van Niekerk stated that DWA needs to assist Umgeni Water by approaching the Minister to address the issues of the outstanding expropriation approval</p> | <p>DWA to follow-up on this matter</p> |
| 6.1.4 | <p>Lower Thukela Bulk Water Supply Scheme</p> <p>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:</p> <ul style="list-style-type: none"> • A detailed Feasibility Study was completed in June 2011 and the final reports are awaited. • A meeting was held on 17 June 2011 between DWA, CoGTA, iLembe DM, and Umgeni Water and the outcome was as follows: <ul style="list-style-type: none"> ✓ DWA / CoGTA committed to funding 40% of the capital cost of the scheme ✓ iLembe DM committed to purchase bulk potable water from scheme ✓ Umgeni committed to 'fast-track' the implementation of Phase 1 of the scheme to meet specific iLembe DM milestones ✓ To meet its commitment Umgeni also needs to complete the Hazelmere Upgrades and Augmentations timeously • The Environmental Impact Assessment report to be submitted to the authorities within the next few months. • Professional Service Provider for design and site supervision was appointed July 2011. • Design of Phase 1 commenced in August 2011. • Mechanisms are being explored to expedite the appointment of Contractors. • The final configurations for phase 1 and further options were presented <p>As the way forward, he highlighted the following:</p> <ul style="list-style-type: none"> • Need to obtain Environmental Authorisation before the construction phase can commence. • Need to obtain all necessary DWA licenses and approvals before construction and abstractions can commence. • All scheme components will move directly from detail design to construction. • Gravity pipeline (Mvoti Balancing Reservoir to Darnall) and Access Roads are prioritised for implementation. • Weir must be constructed over at least two dry seasons. • Target deadlines for final completion: <ul style="list-style-type: none"> ✓ Gravity Pipeline (Mvoti Reservoir to Darnall) – November 2013 ✓ LTBWSS Phase 1 - December 2014 | <p>Appendix 5 - Presentation</p> |
| 6.2 | WATER CONSERVATION AND WATER DEMAND MANAGEMENT (WC/WDM) | |
| 6.2.1 | Feedback from iLembe Municipality, Ugu District Municipality and Msunduzi Municipality | <p>Appendix 6, 7 and 8 – Presentations</p> |

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| | <p>Mr Mark Shepherd, from Joat Consulting presented an update of the non-revenue water reduction activities for the iLembe Municipality, Ugu District 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. Water requirement projections are showing a downward trend despite an increase in water connections. Illegal water connections remain a major problem for the municipalities and are impacting on WC/WDM efforts. The presentations are attached as Appendix 6 to 8.</p> <p>The municipalities were thanked for the feedback and proactive approach to ensure the curbing of water losses in their municipal areas.</p> <p>Discussion:</p> <ol style="list-style-type: none"> Mr Bester asked whether the municipalities are not just buying time in terms of the replacement of water pipes with the reduction of pressure in the pipelines. Mr Shepherd agreed that time is being bought, but added that it also has the benefit of saving water. | |
| 6.2.2 | <p>Feedback from eThekwin Metro</p> <p>Mr Simon Scruton, eThekwin Metro presented an overview of the WC/WDM activities for the Metro. WC/WDM activities in the Metro show clear results and the challenge is to ensure its sustainability. The following recommendations were made by Mr Scruton:</p> <ul style="list-style-type: none"> ✓ That funding is sourced and pressure management is rolled out throughout the Metro, the province and the country. ✓ Asset management is given top priority and funded accordingly. ✓ Multiple indicators must be used to assess non-revenue water and not just percentages. ✓ eThekwin will take part in a benchmarking initiative with Salga, the WRC and Imesa on 25 October 2011. <p>Discussion:</p> <ol style="list-style-type: none"> Ms Angela Masefield, DWA asked that if the non-revenue water activities are showing such great results, why the Metro would not provide more money. Mr Scruton responded that all budgets across the board were cut and that the Metro is balancing its books. The Metro is in the process of applying for Dutch funding which will provide additional funds. Mr Van Rooyen said that across the country municipalities have problems to finance WC/WDM activities and that it is scandalous that budgets are not made available. He said that the DWA has recommended that National Treasury sets up a rotational fund for municipalities to use for WC/WDM activities. He suggested that this matter be looked into again. Mr Gillham asked whether to maintain the successes achieved by eThekwin thus far would require additional funding? Mr Scruton said that the Metro would like to maintain the levels and would do everything it can do keep it up, however it costs money to maintain success. WC/WDM is not a once-off project but an ongoing part of maintenance. It was asked whether UMgungundlovu municipality has commenced with any WC/WDM activities. Ms Masefield responded that the municipality was successful in obtaining Dutch funding and that they have completed a five-year plan for implementation. | <p>Appendix 9 – Presentations</p> <p>DWA to liaise with National Treasury to recommend that a rotational fund be established for WC/WDM for municipalities</p> |
| 6.3 | FEASIBILITY STUDIES | |
| 6.3.1 | Mgeni System: Large Scale Desalination Plant | |
| | Mr Steve Gillham, Umgeni Water presented on the progress made with the investigation into | Appendix 10 - Presentation |

possible seawater desalination plants on the East Coast. His presentation highlighted the following:

- Australian consultants GHD was appointed as 'expert advisors' in March 2011.
- Consultations were held with numerous relevant organisations and authorities toward consensus in the site selection process.
- A site selection report was finalised in May 2011.
- A detailed Feasibility Study tender (for 2 sites) was advertised in the media on 7 August 2011 and a compulsory briefing meeting was held on 12 August 2011. The closing date for tenders was on 15 September 2011 and 13 submissions were received.

As the way forward he highlighted the following:

- The appointment of a Professional Service Provider to undertake the Detailed Feasibility Study will take place at the end October 2011.
- The tender documents for the Environmental Impact Assessment will be finalised at the end of October 2011.
- The Environmental Assessment Practitioner to undertake the EIA will be appointed in January 2012
- The duration of the Detailed Feasibility Study will be approximately 18 months.

6.3.2 Mkomazi River Transfer Scheme and Mvoti River Development Projects

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 TCTA indicated that the Environmental Practitioner will be appointed by end of September 2011.

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

- MWP-1: Module 1: Technical Feasibility Study: Raw Water last date to submit proposals was on 19 April 2011. No appointment to date.
- Most of the technical answers will be available within 3 years - once appointment has been made.
- MWP-1: Module 2: Environmental Impact Assessment will lag 6 months on module 1 and will take about 3 years to complete, depending on appeals.

On the Mvoti Water Project the following issues were reported:

- It is anticipated that the feasibility studies will start by February 2012 and it will take 3 years to complete.

Discussion:

- i. Mr Frank Steven asked has a consultant been appointed for the MWP-1. Mr Bester responded that DWA has not yet appointed a consultant for the MWP-1, however a consultant for MMTS-2B will be appointed by the end of October 2011.
- ii. Mr Forbes asked if there are any indications for possible sites for the proposed Mkomazi Dam? Mr Bester responded that the GPS coordinates can be made available to Mr Forbes on request. The information was available in the tender documents.

6.3.3 Determination of the Mgeni Reserve

Mr Ticky Forbes, Marine and Estuarine Research presented progress made with the Rapid Determination of the Environmental Water Requirements for the uMngeni Estuary.

His presentation highlighted the following points:

- Present ecological status of the uMngeni estuary.
- The estuarine health index scores.

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Presentation

- The importance of the uMngeni estuary.
- Recommended ecological reserve category, and water flow scenarios.

He summarised his presentation as follows:

- ✓ Under present conditions the estuary is highly degraded due to major, largely irreversible habitat loss, catchment modification and poor water quality. Mouth management maintains a tidal regime and the relatively large tidal prism acts as a mitigatory influence.
- ✓ Flow scenarios 1 and 2 are unlikely to significantly influence the biological *status quo*.
- ✓ The “rules” in the reserve determination method determine that a system in an “E” category must be raised to a category appropriate to its conservation importance. In the present context of its core status the uMngeni is meant to be raised to an A or Best Attainable State (BAS).
- ✓ The BAS was determined as a D which would depend on :
 - ❖ Improved water quality
 - ❖ Rehabilitation of historical, estuarine associated areas

Discussion:

- Mr Bryan Ashe, representing civil society asked what is the impact of climate change on the estuaries in the study area? Mr Forbes responded that due to the expectation of more rains in the area, more flooding of the estuaries can be expected, which will most likely assist to clean the estuaries of sediments

6.3.4 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 as follows.

- The Reserve determination on uMngeni estuary has recently been completed. Two flow scenarios were assessed in terms of their potential significance to the estuary. These scenarios may result from the removal of the bulk (80%) of the waste water discharge. The scenarios provided an indication that changes proposed as a result of the recycling of the present day waste water return flows do not significantly change the present health status of the uMngeni estuary.
- With the completion of the Reserve determination study the water use license application (WULA) for the re-use project has been submitted to DWA. Comments on the WULA have been received and eThekweni is in the process of addressing this with the DWA Regional Office. With the Reserve and WULA processes being addressed the EIA process is to be initiated in November 2011.

Discussion:

- A discussion to take place on DWA’s response to the documents submitted. DWA and Mr Pfaff will meet after the meeting to have pertinent discussions on submissions made.
- Mr Van Rooyen said that Mr Pfaff should go ahead to notify the Environmental Assessment Practitioner to begin the EIA for the proposed study.

6.4 Summary of updated reconciliation strategy and revised action list

Participants were referred to the action list as tabled on page 9 and 10 of the Progress Report.

6.5 Institutional arrangements

6.5.1 System Operation Management Forum

Ms Celiwe Ntuli, DWA reported back on progress made with the uMngeni System Operations Forum. Her presentation highlighted the following points:

- The Systems Operations Forum was established on 15 March 2011 at its first meeting held in Durban at the DWA Regional Office. Its second meeting took place on 22 September 2011.
- The purpose of the forum is to meet twice annually and to provide the platform at which

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Presentation

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| | <p>the results of the analyses will be presented for informed discussions and clarifications.</p> <ul style="list-style-type: none"> • The committee includes members from DWA, Umgeni Water and all municipalities. • Current system performance status is at a good state as most dams in the system are full. • A Terms of Reference for the forum and the Umgeni Water drought management plan will be finalized at the next forum meeting. • Stand alone dams project is ongoing (Operating Rules for EJ Smith and Umzinto Dams) <p>As the way forward she highlighted the following:</p> <ul style="list-style-type: none"> • No water restrictions are required for the next 6 months, though municipal restrictions may be necessary if/when required. • The next meeting of the forum is scheduled for 15 March 2012. • The stand alone dams project SSC meeting is scheduled for 16 November 2011. | |
| 6.5.2 | <p>Water Savings Forum</p> <p>Ms Angela Masefield, DWA reported that there is very little movement with the Water Savings Forum. She said the establishment of the forum was again discussed at the August provincial Lekgotla and the discussions were around trying to find the best mechanisms to ensure the successful functioning of the forum.</p> <p>Discussion:</p> <ol style="list-style-type: none"> Mr Bryan Ashe said the establishment of the forum is important and if a letter from civil society will assist to speed the process up, he will be happy to submit such a letter. He emphasised that a multi-sectoral approach is important for the success of the forum. Ms Ashe added that the previous Water Summit's recommendations have not yet been implemented and that urgent movement is required. Ms Masefield responded that DWA will keep pressuring Local Government and the participating MECs. | |
| 10. | ACTION TO SUPPORT THE IMPLEMENTATION OF THE STRATEGY | |
| 10.1 | <p>Formal commitments by participating organisations</p> <p>Mr Van Rooyen said that it is clear that the bulk of the actions discussed at the meeting need to be implemented or influenced by the DWA. He promised to take actions that DWA is responsible for into the department so that decisions can be taken.</p> | DWA SSC members to take outstanding matters forward within the department |
| 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. <p>Members provided several messages that they would like to see included in the press release. These will be taken into account with the development of the press release.</p> | Study team/DWA |

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| 12. | GENERAL | |
| 12.1 | <p>Climate change</p> <p>Mr Bill Pfaff, eThekweni Metro said that all members must have heard of COP17 and he suggested that the SSC inform themselves of the potential influence of climate change on the water resources in the study area. Mr Mark Summerton has done some work for Umgeni Water in terms of investigating various scenarios as to the influence of climate change. It was recommended that Mr Mark Summerton do a presentation on climate change at the next meeting.</p> <p>Mr Ashe invited all to join the march organised by civil society on 3 December 2011.</p> | Mr Mark Summerton to be invited to the next SSC to make a presentation on climate change |
| 12.2 | <p>Spatial planning</p> <p>Mr Julian Kiepel said that proactive spatial planning on regional scale could support the maintenance and implementation of the Reconciliation Strategy. He volunteered to put some of his thoughts in writing. The Study Team will be in contact with him to follow-up.</p> | Study Team to follow-up with Julian Kiepel |
| 10. | <p>WAY FORWARD</p> <p>Mr Peter van Niekerk, DWA said the way forward is clear in terms the discussions which took place.</p> | |
| 11. | <p>DATE OF NEXT MEETING AND CLOSURE</p> <p>All members were thanked for their participation.</p> <p>The next meeting is scheduled for 14 March 2012.</p> | |