

MINUTES

<u>ITEM</u>	<u>DETAIL</u>	<u>ACTION</u>	<u>TIME</u>
1	Welcome and Introduction IT welcomed everybody to the fourth ATSG meeting. She specifically welcomed Tyler Lindberg, a student from the Miami University, who is researching the water reconciliation for the City of Cape Town, as well as Barry Wood, who recently was appointed Manager: Bulk Water for the City of Cape Town.		
2	Attendance and Apologies		
2.1	Attendance and Apologies The attendance at the meeting, as listed above, was noted in the attendance register. Apologies were noted (see above).		
3	Minutes of ATSG #3		
3.1	The minutes of the ATSG meeting #3 of 4 February 2014 were accepted with the following changes: <ul style="list-style-type: none"> - Attendance register: add Gerrit van Zyl; - Page 2: correct spelling of Joostenbergvlakte; - Page 5: split section 6.3 into Real-time Decision Support System and Annual Drought Operating Rules; - Page 5: change action for AP to JP; - Page 5: correct second paragraph under 6.4 to read "JH mentioned that the West Coast DM has done a report on the impact of salinity in the Berg River." - Distribution list: remove persons no longer available and add new personnel. IT signed the approved minutes. A scanned version of the signed minutes will be made available for the project website.	PSP	
3.2	Matters arising All matters arising from the minutes have been addressed or will be covered under the agenda items.		
4	Feedback from SSC Meeting IT gave a short feedback from the SSC Meeting #11 of 9 April 2014, highlighting the discussion around the Green Cape Project. KR noted that the minutes from the SSC meeting will be circulated shortly, because he is still waiting for some of the outstanding information that was presented at the meeting. He confirmed that all issues arising from the meeting will be addressed under the agenda items.		
5	Progress with current studies: CCT		
5.1	Water Conservation and Water Demand Management KR noted that he received a written report from CM on the current actions and successes of the WC/WDM measures of the CCT. This report will be circulated with the minutes of the SSC meeting.	KR	Done

ITEM	DETAIL	ACTION	TIME
5.2	<p>Water re-use feasibility study</p> <p>PR reported that the Water Re-use Feasibility Study was awarded to Aurecon and is due to start before the end of May 2014. The contract will be signed during the week of 26 May 2014 and no appeals were received. The contract period is 12 months and the CCT expects to be able to give an initial report back/presentation on possible re-use options the next ATSG and SSC meetings. This was agreed.</p> <p>The Preliminary Report will be available by the end of December 2014 and the Final Report by April 2015.</p>	PR	Aug '14
5.3	<p>Desalination feasibility study</p> <p>PR confirmed that the CCT will give feedback and a presentation on the outcome of the desalination feasibility study at the next ATSG and SSC meetings.</p>	PR	Aug '14
5.4	<p>TMG Aquifer feasibility study</p> <p>PR reported that there is still no final decision by the CCT on how to proceed with the TMG Aquifer feasibility study. The intention is to extend the Exploratory Phase with further drilling of exploration boreholes. An EIA process is not required for exploration, unless specific construction activities trigger an EIA.</p> <p>IT requested that the timelines for the study are communicated to the team before the next ATSG meeting for updating the status report.</p>	PR	Aug '14
5.5	<p>Cape Flats Aquifer</p> <p>KR reported that the proposed workshop with the CCT and DWA about the utilization and management of the Cape Flats Aquifer, as proposed in the Situation Assessment Report by Umvoto, did not happen yet, since it was not possible to coordinate diaries of the relevant officials.</p> <p>IT requested that the workshop be held before the next SSC meeting, preferably before the next ATSG meeting. BW undertook to liaise with Zolile Basholo, who undertook to champion this initiative at the ATSG meeting #3 in February 2014, and inform KR of suitable dates to align with relevant DWA officials.</p>	BW	
5.6	<p>Others</p> <p>PR confirmed that the CCT will put out the Terms of Reference and call for tenders for the Lourens River Feasibility Study by the end of the CCT's financial year. Currently the CCT is busy with the tender specifications.</p>	PR	Jul '14
6	<p>Progress with current studies: DWA</p> <p>6.1 Surface water schemes</p> <p>JH thinks that an appointment for the EIA regarding the Voëlvlei Augmentation Scheme was made. JH undertook to feed back details to the team.</p> <p>6.2 Langebaan Road Aquifer Artificial Recharge scheme</p> <p>FF reported the final proposal for the Langebaan Road Aquifer AR Feasibility Study will be ready by the end of May 2014 for a meeting between the CSIR and DWA to discuss and move the project forward. It is expected that an appointment will be made by</p>	<p>JH</p> <p>FF</p>	<p></p> <p>Aug '14</p>

ITEM	DETAIL	ACTION	TIME
6.3	<p>September 2014 depending on the approval by the DWA bid adjudication committee. FF undertook to provide an updated timeline for the study to the team for updating the Status Report.</p> <p>FF further undertook to give feedback on the study progress and outcomes at the SSC meeting in April 2015.</p> <p>Real-time Decision Support System</p>	FF	Apr '15
6.4	<p>IT noted that the Decision Support System is not yet operational. DWA is currently in the process to get an extension to the contract for addressing some 'bugs' in the system. She requested a presentation of the system at the next SSC meeting. The next technical meeting for the study is in the middle of August 2014, which hopefully provides feedback to be used for updating the Status Report.</p> <p>Annual Drought Operating Rules</p> <p>Nothing further to report. Decision date is 1 November.</p>	JP/PSP	Aug '14
6.5	<p>Berg River water quality</p> <p>WK reported that a presentation was given by Melissa Lintnar-Strauss at the SSC meeting. JH queried when the programme would be rolled out to the Eerste River catchment as proposed. WK reported that a similar forum for the Eerste River will be established in the future.</p> <p>BW queried what the current strategy is to deal with this issue. Would it be possible to buy up farms and return the land to natural use to reduce the water requirements? IT responded that it is the responsibility of the municipalities to curb pollution at source, because the biggest pollution problems emanate from waste water treatment plants and diffuse runoff from high-density settlements. WK added that the interactions between the Stellenbosch LM and DWA are active; e.g. the Franschoek waste water treatment works, one of the biggest former pollution sources, were already decommissioned and new works at Wemmershoek built and put into operation to reduce the pollution in the upper reaches of the Berg River.</p> <p>WK stated that that waste water treatment works, settlements with inadequate services and agricultural practices contribute mostly to the pollution. GvZ added that the agricultural contribution is very area specific; e.g. the Lower Berg, where natural salination also occurs due to the specific local geological formations.</p> <p>RH suggested that the different sources of pollution could be mapped against the capacity of the soil and the river to accommodate the pollutants. It was agreed and the PSP was tasked to undertake such mapping as part of the technical support task.</p>	PSP	Aug '14
6.6	<p>Others</p> <p>CM re-iterated the request by the CCT that both the agricultural sector and the municipal sector need to provide water balances.</p> <p>KR confirmed that the PSP was tasked at the SSC meeting to develop a water balance for the agricultural sector. He undertook to compare data about releases from the schemes, as provided by BvZ, with data of what was actually requested and what would be optimal use. Depending upon available data, the losses in the rivers and canals can be determined, as well as losses on the fields.</p>	PSP	Aug '14

ITEM	DETAIL	ACTION	TIME
	<p>GvZ stated that farmers during normal to wet seasons use less than their water allocation; they mainly rely on water released from storage in the system during droughts, when there are restrictions, but they pay for access to that stored water at all times. The total yield of the system is 596 million m³/a while the agricultural use is capped at 170 million m³/a (i.e. 28%). The remaining 426 million m³/a is allocated for domestic and industrial use by the municipalities.</p>		
<p>7</p> <p>7.1</p> <p>7.2</p>	<p>Other Studies</p> <p>WesCape Development</p> <p>The extension of the urban edge was approved by the CCT to accommodate the proposed development. The Local Planning application is the next phase. IT explained that the proposed WesCape Development would create a new town for 800 000 persons to the north of the CCT area. The location would result in significant new infrastructure requirements to meet service needs (water supply, electricity, transport etc).</p> <p>KR advised that Peter Flower (PF) had indicated at the SSC meeting that the water requirement would not significantly increase since this development is expected to mainly cater for persons relocating from within the metropolitan area rather than for migrants from outside the CCT area. The development is about providing so-called Gap Housing – filling the gap between indigent and the next level of housing.</p> <p>IT queried this analysis and stated that the additional water requirements are still unknown. She suggested that the 2004 study on water requirements by the Palmer Development Group for the CCT be updated.</p> <p>BW stated that the corridor between Vissershok and Saldanha will be under pressure for further development. This needs to be considered for the selection of new interventions (e.g. bringing in more water from Voëlvlei would support growth up the West Coast and north of Durbanville).</p> <p>He suggested looking differently at how CCT develops, promoting water re-use and harvesting, and local schemes rather than the big schemes. The proposed WesCape Development opens opportunities for implementing water efficient designs since this area will be built up from greenfields.</p> <p>PR suggested that the overall issues and impacts of this proposed development are included as a scenario in the reconciliation as it may influence the decision about the next intervention.</p> <p>To enable the team to do this, estimates on water requirements and service levels will be required, as well as a time-line of development.</p> <p>Green Cape Project</p> <p>IT reported that the Green Cape Project by the Provincial Department of Economic Development & Tourism provides short term detailed planning of water requirements for the Saldanha area, which need to be aligned to the longer-term planning and timelines for initiating new schemes to cater for possible short-term peaks. Alternative options for water supply to meet these short-term requirements from sources other than the WCWSS need also</p>	<p>PR</p> <p>BW/PSP</p>	

ITEM	DETAIL	ACTION	TIME
	<p>to be evaluated.</p> <p>IT further stated that the West Coast District Municipality would first have to fully utilise the available yield from the Berg River, based on the current infrastructure. It was requested that the PSP includes the analysis of these alternative augmentation scheme infrastructure time lines in the update of the Reconciliation Strategy. DWA requested that the PSP for the West Coast Desalination project continue with the Feasibility Phase of the Study, which will address the various augmentation options and the time lines for the infrastructure development.</p> <p>IT requested the PSP to obtain an updated report on the Green Cape Project from DED&T (Prof Jim Petrie) for the next SSC meeting.</p> <p>FF requested that any relevant information from the Green Cape Project is included in updates of the All Towns reconciliation strategies for the relevant Wes Coast DM towns. Recommendations and options need to be aligned.</p>	<p>PSP</p> <p>PSP</p> <p>PSP</p>	<p>Aug '14</p> <p>Oct '14</p>
<p>8</p> <p>8.1</p> <p>8.2</p> <p>8.3</p> <p>8.4</p>	<p>Communication</p> <p>Status Report</p> <p>IT requested that a draft Status Report be tabled for discussion at the next ATSG meeting on Wednesday 27 August 2014. The draft should be circulated one week before, but not later than 25 August 2014. Updated consumption figures up to the end of June 2014 need to be obtained from the CCT and the other relevant municipalities.</p> <p>CM of the CCT will update the list of WC/WDM projects of the CCT and will also report on the impact of these projects. The information will be made available in time to include in the Status Report.</p> <p>Stellenbosch Municipality is not submitting their Water Balance data. A letter was written by Mr Mashicila to the Municipality and JH will follow up on the status.</p> <p>The timelines for the implementation of the various augmentation options and the relevant costs need to be updated.</p> <p>Media Release</p> <p>IT requested that a media release be drafted based on the draft Status Report. This can be prepared after the ATSG meeting and sent out to the SSC members prior to the SSC meeting.</p> <p>Terms of Reference</p> <p>IT noted that the Terms of Reference (ToR) for the SSC were sent to all SSC members prior to the SSC meeting and distributed again for final comments. Since no comments were received, these ToR can be accepted as finalised and approved. She requested that a full updated membership list, distribution list and a list of people who are requested to attend be appended to the ToR.</p> <p>General</p> <p>IT requested that the PSP informs everybody well in time who must prepare presentations for the ATSG meeting and or the SSC meeting.</p>	<p>PR/PSP</p> <p>CM</p> <p>JH</p> <p>PSP</p> <p>PSP</p> <p>PSP</p> <p>PSP</p>	<p>Aug '14</p> <p>Aug '14</p> <p>Jul '14</p> <p>Aug '14</p> <p>Sep '14</p>

<u>ITEM</u>	<u>DETAIL</u>	<u>ACTION</u>	<u>TIME</u>
9	<p>Next meeting of ATSG and Closure</p> <p>The date for the next SSC meeting was confirmed as:</p> <ul style="list-style-type: none"> • 15 October 2014 <p>The next meeting of the ATSG was set for</p> <ul style="list-style-type: none"> • 27 August 2014. <p>IT closed the meeting at 15:00.</p>	<p>PSP</p> <p>PSP</p>	

SIGNATURE ORIGINATOR




 Umvoto Africa

4 September 2014

 Date

SIGNATURE DEPARTMENT OF WATER AND SANITATION



 D: NWRP

4 September 2014

 Date

DISTRIBUTION LIST:

NAME		AFFILIATION	
Isa Thompson	IT	DWA D:NWRP	Study Manager
Fanus Fourie	FF	DWA D:WRPS	Groundwater
Pieter Viljoen	PV	DWA D:WRPS	Water Quality
Jenny Pashkin	JP	DWA D:WRPS	Systems Operation
Nosipho Sombane	NS	DWA D:WUE	
Thembi Masilela	TM	DWA RO Bellville	D: Water Sector Support
Simphiwe Mashicila	SM	DWA RO Bellville	Programme Manager RBIG
Penina Sihlali	PS	DWA RO Bellville	RBIG
Anneke Schreuder	ASch	DWA RO Bellville	Berg WMA
Derril Daniels	DD	DWA RO Bellville	Berg WMA
Wilna Kloppers	WK	DWA RO Bellville	Resource Protection
Mike Smart	MS	DWA RO Bellville	
Nicolette Vermaak	NV	DWA RO Bellville	
Bertrand van Zyl	BvZ	DWA D:NWRI	
Jan van Staden	JvS	BOCMA	
Catherine Bill	CB	DEA&DP	
Barry Wood	BW	City of Cape Town	Bulk Water
Paul Rhode	PR	City of Cape Town	Bulk Water
Peter Flower	PF	City of Cape Town	D: Water & Sanitation
Zolile Basholo	ZB	City of Cape Town	WC/WDM Strategy
Collin Mubadiro	CM	City of Cape Town	WC/WDM
Mogamat Shahied Solomon	MSS	City of Cape Town	WC/WDM
Rowena Hay	RH	Umvoto Africa	Study Director
Kornelius Riemann	KR	Umvoto Africa	Study Leader
Jaco Human	JH	Worley Parsons	Team Leader
Gerrit van Zyl	GvZ	Consultant	

ATTACHMENTS:

- None