



MINUTES OF MEETING

Algoa Reconciliation Strategy: Administrative and Technical Support Group Meeting No 7, held on 11 April 2013 at the offices of Aurecon, Port Elizabeth

Item		Action																																																																														
1.	WELCOME The chairperson, Ms Isa Thompson welcomed everybody to the meeting.																																																																															
2.	ATTENDANCE AND APOLOGIES Attendance <table><tr><td>Ms Isa Thompson</td><td>DWA: CE: NWRP (S)</td><td>IT</td></tr><tr><td>Ms SiziweBlie</td><td>DWA: EC RO: DD:IE</td><td>SB</td></tr><tr><td>Ms RienetteColesky</td><td>Gamtoos IB</td><td>RC</td></tr><tr><td>Mr Martin Labuschagne</td><td>DWA: ECRO: CE: WR&U-WUE</td><td>ML</td></tr><tr><td>Mr Paul du Plessis</td><td>NMBM</td><td>PdP</td></tr><tr><td>Mr Stephen Mullineux</td><td>DWA: EC RO: DCE: Water Use Regulation</td><td>SM</td></tr><tr><td>Mr Stan Groenewald</td><td>NMBM</td><td>SG</td></tr><tr><td>Mr Reg Botha</td><td>Kouga LM</td><td>RB</td></tr><tr><td>Mr Willie Olivier</td><td>Coega IDZ</td><td>WO</td></tr><tr><td>Mr Erik van der Berg</td><td>Aurecon</td><td>EvdB</td></tr><tr><td>Mr Dup van Reenen</td><td>AfriCoast Engineers SA</td><td>DvR</td></tr><tr><td>Ms Reina Zastron</td><td>Aurecon</td><td>RZ</td></tr></table> Apologies <table><tr><td>Mr Dewald Coetzee</td><td>DWA: D: NWRI: Southern Operations</td><td>DC</td></tr><tr><td>Ms Jenny Pashkin</td><td>DWA: CE: WRPS: System Operations</td><td>JP</td></tr><tr><td>Mr Theo Geldenhuys</td><td>DWA: EC RO: CE: Water Resources Management</td><td>TG</td></tr><tr><td>Mr Pierre Joubert</td><td>Gamtoos IB</td><td>PJ</td></tr><tr><td>Mr Ricky Murray</td><td>Groundwater Africa</td><td>RM</td></tr><tr><td>Mr Menard Mugumo</td><td>DWA: CE: OA (S)</td><td>MM</td></tr><tr><td>Mr Elias Nel</td><td>DWA: SM: WRPS: Integrated Hydrological Planning</td><td>EN</td></tr><tr><td>Mr Stuart Fergusson</td><td>NMBM</td><td>SF</td></tr><tr><td>Mr Graham Taylor</td><td>Coega IDZ</td><td>GT</td></tr><tr><td>Ms CeliweNtuli</td><td>DWA: SM: WRPS System Operations</td><td>CN</td></tr><tr><td>Mr Pieter Viljoen</td><td>DWA: SM: WRPS: Water Quality Planning</td><td>PV</td></tr><tr><td>Mr Nick Chapman</td><td>VWSA</td><td>NC</td></tr><tr><td>Mr FanusFourie</td><td>DWA: SM: WRPS: IHP</td><td>FF</td></tr><tr><td>Mr Paul Herbst</td><td>DWA: D: WUE</td><td>PH</td></tr></table>	Ms Isa Thompson	DWA: CE: NWRP (S)	IT	Ms SiziweBlie	DWA: EC RO: DD:IE	SB	Ms RienetteColesky	Gamtoos IB	RC	Mr Martin Labuschagne	DWA: ECRO: CE: WR&U-WUE	ML	Mr Paul du Plessis	NMBM	PdP	Mr Stephen Mullineux	DWA: EC RO: DCE: Water Use Regulation	SM	Mr Stan Groenewald	NMBM	SG	Mr Reg Botha	Kouga LM	RB	Mr Willie Olivier	Coega IDZ	WO	Mr Erik van der Berg	Aurecon	EvdB	Mr Dup van Reenen	AfriCoast Engineers SA	DvR	Ms Reina Zastron	Aurecon	RZ	Mr Dewald Coetzee	DWA: D: NWRI: Southern Operations	DC	Ms Jenny Pashkin	DWA: CE: WRPS: System Operations	JP	Mr Theo Geldenhuys	DWA: EC RO: CE: Water Resources Management	TG	Mr Pierre Joubert	Gamtoos IB	PJ	Mr Ricky Murray	Groundwater Africa	RM	Mr Menard Mugumo	DWA: CE: OA (S)	MM	Mr Elias Nel	DWA: SM: WRPS: Integrated Hydrological Planning	EN	Mr Stuart Fergusson	NMBM	SF	Mr Graham Taylor	Coega IDZ	GT	Ms CeliweNtuli	DWA: SM: WRPS System Operations	CN	Mr Pieter Viljoen	DWA: SM: WRPS: Water Quality Planning	PV	Mr Nick Chapman	VWSA	NC	Mr FanusFourie	DWA: SM: WRPS: IHP	FF	Mr Paul Herbst	DWA: D: WUE	PH	
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3.	ADOPTION OF AGENDA No changes were made to the agenda	
4.	APPROVAL OF PREVIOUS MINUTES The minutes of the meeting held on 29 January 2013 was adopted with the following minor corrections: 5.3 p2: 'The following formation...' with 'The following information...' 12.1 p5: 'Treated water sand filtration...' with 'Sand filtration of treated water...'	
5.	MATTER ARISING NOT ON THE AGENDA All matters relevant to the project are on the agenda	
6	RELEVANT PROJECTS & INITIATIVES UNDERTAKEN BY OTHER RESPONSIBLE ENTITIES	
6.1	Annual Operating rules A special meeting to discuss water consumption of the Metro was held in January. The Algoa WSS operating rules model was run as the Metro has used more water from the Kouga system than was anticipated. A meeting to discuss allocations for the 2013/14 water will be held early May. IT said that usually the farmers are restricted first, but that this will not be the case this year as domestic use for the current year is high and the farmers have been using water within their allocation.	
6.2	Establishment of upper Kouga/Kromme Irrigators WUA SB reported that she is trying to obtain a budget to start the process of establishing a WUA for the irrigators. SB is currently in process of appointing a Service Provider to assist in accelerating the transformation of these irrigation boards. She is hopeful that the PSP would be appointed by the next ATSG meeting. RC mentioned that this process resulted in a positive attitude amongst the farmers in the Gamtoos as they could see what would be gained by forming such an association.	SB
6.3	Verification and validation of water use study of a part of the Kromme and Kouga catchment areas SB reported the following: Two meetings were held with the PSP and hopefully the inception report will be approved at the next meeting. She is hopeful that money will be found to include the rest of the area, i.e. L82 E-H up to just above the Kouga Dam. The intention is to extend the scope of the current project and the PSP indicated that they will be willing to do the rest of the area. She also indicated that the duration of the project will be 20 months, and it has started in January 2013. It means that the WAAS study that should start after completion of the V&V could possibly start in Middle 2014. SB asked the team to forward her any info that is available that could help this study.	Team
6.4	South African Revenue Protection Group ML reported that it is beneficial that DWA is involved with the revenue protection group. ML is now a member of the group. A National Workshop will be held in June. The ToR will be re-written and water will be a bigger part of the new ToR.	ML
6.5	Orange River Reconciliation Strategy No discussion as neither DC nor TG was present at the meeting	

Item		Action
7	OPERATIONAL EFFICIENCY	
7.1	Darlington Dam Operating capacity and dam safety rehabilitation programme The programme is slowly progressing, but no PSP for the design work has been appointed as yet.	
8	WATER REQUIREMENTS AND USE	
8.1	Coega IDZ water requirements WO indicated that there is no change to the requirements as previously reported. Kalagadi Manganese has applied for an extension of the RoD. Power supply seems to be problematic. The possibility of a power generation plant as well as a desalination plant is being investigated. IT said CDC should consider informing KalagadiManganese thatby financially assisting the Metro to complete the NLLS, the need for a desalination plant would be prolonged by quite some years.	WO
8.2	Kouga LM water requirements RB of Kouga LM attended themeeting. He indicated that Victor Felton of Kouga LM will in future attend the meetings. ML said that he did a presentation on WC/WDM at a Kouga LM strategic session. As a result, Kouga LM knows the need for urgent WC/WDM and some money was budgeted for this. RB will mail RZ the Kouga Municipality WC/WDM Project Business Plan 2012-13and the Kouga Municipality WC/WDM Project – Non-Revenue Water Report for distribution to the members of this committee. SG was very interested in looking at these reports. He said that it is a concern that the quantity of water going through the bulk metres doesn't decrease and that the losses need to be addressed and reduced. ML reported that he gave a presentation at the Kouga Strategic Workshop to inform them of all the Water Use Efficiency problems, especially the meter problems.These were identified through a MIG funded project in 2012. There seems to be 4000 meterswith problems in the area causing the municipality to lose lots of revenue. IT said that a Fish to Tsitsikamma WMA WC/WDM Strategy Development SSC Meeting will be held on 23 April in Port Elizabeth and that all members of the ATSG meeting are welcome to attend. ML to forward the invitation to all members. IT indicated that DWA would like to assist Kouga in their endeavours to save water and reduce losses.	RB RZ ML
9	IMPROVING THE CONFIDENCE OF WATER AVAILABILITY	
9.1	Proposed water availability assessment study – Kouga and Kromme catchments The WAA study will start after the completion of the V&V (point 6.3). This study will probably start in mid- 2014.	
10	WC/WDM	
10.1	Report by NMBM SG distributed a graph of average daily water consumption for the NMBM as well as a graph of monthly rainfall over the last four years. The last four months little rain has fallen over the catchment – much lower than the 20 year average. During the same months, domestic use has increased (not industrial use). Although the dams are still relatively full, this high use is troublesome and could result in restrictions and/or a price increase for domestic users. IT stressed again that farmers and industries should not be at risk of restrictions, as they have remained within their allocations.	

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10.2	<p>WC/WDM at NMBM Schools</p> <p>SG reported that the Metro received R2.5 million from DWA for water infrastructure repairs at schools. 13 schools are now being repaired with this money and this is an on-going process. SG will report back later in the year on water use before and after repairs. SB proposed to contact DoE provincially on a larger scale to try to secure money from them for repairs at schools. This could be successful as there is under expenditure at DoE and it could be a good vehicle to use for spending money. It seems that the seriousness of the problem is misunderstood. It was mentioned that Kevin Wall of the CSIR has started a sanitation franchising project at schools in the Butterworth Education District. SG will contact him to gather more information on this project.</p>	<p>SG</p> <p>SG</p>
10.3	<p>Report on progress of other Municipalities</p> <p>Covered under 8.2</p>	
10.4	<p>Fish to Tsitsikamma WC/WDM Strategy and BP</p> <p>ML reported on the study. The objectives of the study are:</p> <ul style="list-style-type: none"> • To make more effective and efficient use of the existing and available water resources by all water use sectors in the study area; • To develop realistic water saving targets for the respective water use sectors and quantify the impact on current and future water requirements in the study area; • To enable the Catchment Management Agency (CMA) and the Department of Water Affairs (DWA) to “free-up” additional water, which can be put to beneficial use in the public interest; • To conserve water and avoid or delay the implementation of further expensive schemes for transfers and storage which may not be necessary if water is used efficiently; and • To provide necessary information to support the implementation of compulsory licensing and related water allocation reforms. <p>The following challenges have been identified:</p> <ul style="list-style-type: none"> • High vacancies of skilled and trained personnel in local municipalities • Lack of necessary skills and capacity • No collaboration between departments – national and provincial • Limited / no management information being collected, evaluated or disseminated • Non-compliance with legislation and regulations • Poor service delivery and customer care • Lack of community support in certain areas • Lack of understanding of water business • Lack of metering / billing and cost recovery 	
11	<p>ORANGE RIVER INTER-BASIN TRANSFER SCHEME</p> <p>11.1 Nooitgedagt Low-Level Scheme (NLLS) Implementation and Financing</p> <p>The Metro made a 20%-80% job funding application to the Development Bank on 15 March. The application passed the first round. The second round will be in 3 weeks. SG to inform RZ as soon as they receive feedback on whether they have passed the second round.</p> <p>Phase 1 of the NLLS will be completed by end June 2013. As the pump station was not part of Phase 1, the Metro's water supplies will only be augmented by 10 MI/day until such time that funding is secured and the next phase could be completed. Tenders will go out for the reduced scheme before the end of the year, with funds made available by the Metro. Hopefully the appointment will be made in Jan 2014 after which the</p>	<p>SG/RZ</p>

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<p>11.2</p> <p>11.3</p>	<p>completion will take 18 months. The reduced scheme will bring additional a 50 MI/day into the system which will bring the total supply via the NLLS to 140MI/day.</p> <p>It was mentioned that since the additional increased supply from the ORP will now only start at about June 2015, a solution to additional balancing capacity has become urgent. DC is tasked to investigate and report on a solution.</p> <p>Trading of Orange River Irrigation Authorisations – Upper Fish River</p> <p>No discussion. IT mentioned that the regional office should take it up with the minister.</p> <p>Desalination of Sundays River irrigation return flows</p> <p>DvR did a presentation on the subject to inform the committee of what the plans are. He showed the lay-out of the proposed scheme and discussed the pros and cons of the scheme. He discussed the proposed methodology to investigate the potential impacts regarding the environment. He also discussed the proposed methodology for investigation & data gathering regarding technical aspects of the study. (The presentation is distributed with the minutes.)</p> <p>EvR mentioned that it could be beneficial to put a programme in place to ensure that all necessary steps are taken. IT said that sampling and monitoring will be the key for success of such a project and that the Metro should take this up. SM said that the arrangement previously was that DC would do the sampling and provide the Metro with the results. IT to follow up with DC.</p> <p>SM asked DvR on the unit cost of the system. DvR replied that he didn't have it on hand, but will report on it. When it was done previously, it showed to be an economical scheme. After the meeting, DvR provided the following information: In 2012, the URV (at a 6% discount rate) for a 70 MI/day scheme with no sea outfall was R4.41/m3 (discharged at the mouth of estuary).</p> <p>IT mentioned that the municipal coastal committee will need to be informed if the Sundays River estuary will be affected by the proposed scheme. They will need to be involved from the start. EvdB stressed that sampling is very important. DvR to finalise the report and discuss with SG to see whether some testing could be done by the Metro. DvR then to have a discussion with DC.</p>	<p>DC/MM</p> <p>IT</p> <p>DvR</p>
<p>12</p> <p>12.1</p> <p>12.2</p> <p>12.3</p>	<p>RE-USE OF WATER</p> <p>NMBM Water Master Plan Update</p> <p>The final draft has been submitted and final approval by council is awaited.</p> <p>Re-use of water treated to industrial standards – Coega and Fish Water Flats WWTWs</p> <p>WO reported that the scheme will provide 30MI/day industrial standard water. The detail design has been finalised. R42 million was received from National Treasury for the project. A 50MI reservoir and pipeline will be constructed. Construction will start in May 2013 and should be finished by March 2014.</p> <p>Re-use of water treated to potable standards</p> <p>Nothing to report. This is dependent on the Kouga Dam raising.</p>	
<p>13</p> <p>13.1</p>	<p>GROUNDWATER</p> <p>NMBM Groundwater scheme study progress</p>	

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13.2	<p>The borehole siting is complete. The appointment of a driller has still not been done. The acting municipal manager did not sign off the appointment although the adjudication and spec committees have approved the appointment. The Metro will now apply to the newly appointed city manager for approval of the appointment.</p> <p>Other groundwater issues</p> <p>RB indicated that he has a SRK report on well-fields available. He will forward the report to RZ. SG said that the Metro will pass on information on the groundwater investigations done by the Metro in their area to Kouga LM.</p>	<p>NMBM</p> <p>RB SG</p>
14 14.1	<p>SEAWATER DESALINATION</p> <p>NMBM desalination scheme</p> <p>SG reported that the procurement for seawater monitoring is in process. The NMMU indicated that they will need R3.5 million upfront. The Metro has recently made a decision to put out a tender for the required equipment. IT mentioned that the PSP should investigate the work that was done by the Department of Environmental Affairs in the Tsitsikamma Marine National Park. A meeting is scheduled to discuss the integration of desalination with the rest of the system. IT stressed that more than 12 months of sea water monitoring is needed for the project. EvdB said that all sources should be considered when choosing a site.</p>	
15 15.1	<p>LOCAL SURFACE WATER DEVELOPMENT</p> <p>Kouga Dam potential raising in light of dam safety work</p> <p>No discussion. Extensive reporting was done in the previous meeting. RC will attend a meeting on the subject later in April. She will report back at the next ATSG meeting.</p>	RC
16 16.1 16.2 16.3	<p>COMMUNICATION</p> <p>Media Release</p> <p>The next media release was distributed for comments and is being finalised.</p> <p>Progress Report</p> <p>A progress report was drafted and distributed to the members. It is in process of being finalised.</p> <p>Webpage Update</p> <p>The webpage will be updated after all relevant reports have been finalised.</p>	<p>IT</p> <p>IT</p> <p>RZ</p>
17 17.1 17.2	<p>IMPACTS ON YIELDS OF EXISTING DAMS: ECOLOGICAL RESERVE AND CLIMATE CHANGE</p> <p>Implementing the Reserve for existing dams</p> <p>No discussion</p> <p>Climate Change</p> <p>IT reported that the climate change strategy from Environmental Affairs states that all departments should develop their own climate change strategy. DWA is in the process of drafting a Strategy and public comments will be requested before it is finalised.</p>	
18.	<p>GENERAL</p> <p>ML mentioned that a high-level training course on WC/WDM will be held in East London on 2 May 2013. Invitations have been sent out for this training course.</p>	

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19.	NEXT MEETING The next meeting will take place on Wednesday 14 August 2013 at 09h00. The next SSC meeting is on 11 September 2013 at 09:00.	
20.	CLOSURE The meeting was closed at 14h00.	