



MINUTES OF MEETING

FourthAlgoa Reconciliation Strategy Steering Committee Meeting

Held on 27March 2013 at 09h00
At the offices of Aurecon, Port Elizabeth

Item		Action																																																																																				
1.	WELCOME The chairman, Mr Johan van Rooyenwelcomed everybody to the meeting.																																																																																					
2.	ATTENDANCE AND APOLOGIES Attendance <table><tr><td>Mr Johan van Rooyen</td><td>DWA: NWRP</td><td>JvR</td></tr><tr><td>Ms Isa Thompson</td><td>DWA: NWRP (S)</td><td>IT</td></tr><tr><td>Mr Dewald Coetzee</td><td>DWA: NWRI: Southern Operations</td><td>DC</td></tr><tr><td>Mr Barry Martin</td><td>NMBM</td><td>BM</td></tr><tr><td>Mr Paul du Plessis</td><td>NMBM</td><td>PduP</td></tr><tr><td>Mr Harms du Plessis</td><td>Lower Sundays IB</td><td>HdP</td></tr><tr><td>Mr Pierre Joubert</td><td>Gamtoos IB</td><td>PJ</td></tr><tr><td>Ms RienetteColesky</td><td>Gamtoos IB</td><td>RC</td></tr><tr><td>Mr Kowie Joubert</td><td>ProvDept Agriculture and Land Affairs</td><td>KJ</td></tr><tr><td>Mr GaleloMbambisa</td><td>DWA: Water Sector Support</td><td>GM</td></tr><tr><td>Mr Andrew Lucas</td><td>DWA: Water Quality Management</td><td>AL</td></tr><tr><td>Mr Nick Chapman</td><td>Nelson Mandela Bay Business Chamber</td><td>NC</td></tr><tr><td>Mr Paul Herbst</td><td>DWA: WUE</td><td>PH</td></tr><tr><td>Ms NophisoSombane</td><td>DWA: WUE</td><td>NS</td></tr><tr><td>Mr Erik van der Berg</td><td>Aurecon</td><td>EvdB</td></tr><tr><td>Ms Reina Zastron</td><td>Aurecon</td><td>RZ</td></tr><tr><td>Dr Ricky Murray</td><td>Groundwater Africa</td><td>RM</td></tr></table> Apologies <table><tr><td>Mr Peter van Niekerk</td><td>DWA: IWRP</td><td></td></tr><tr><td>Ms Portia Makhanya</td><td>DWA:EC</td><td></td></tr><tr><td>Ms SiziweBlie</td><td>DWA: EC</td><td></td></tr><tr><td>Mr MbuleloSogoni</td><td>Director General, Premier's Office</td><td></td></tr><tr><td>Mr D Balfour</td><td>ECPTA</td><td></td></tr><tr><td>Mr VuyuMadini</td><td>EC ProvDept of Local Govt& Traditional Affairs</td><td></td></tr><tr><td>Mr Willie Olivier</td><td>Coega IDZ</td><td></td></tr><tr><td>Mr Piet Snyman</td><td>Cacadu DM</td><td></td></tr><tr><td>Dr BeasonMwaka</td><td>DWA: WRPS</td><td></td></tr><tr><td>Mr Jeff Govender</td><td>Dept Econ Dev and Env Affairs & Tourism</td><td></td></tr><tr><td>Mr Graham Taylor</td><td>Coega IDZ</td><td></td></tr></table>	Mr Johan van Rooyen	DWA: NWRP	JvR	Ms Isa Thompson	DWA: NWRP (S)	IT	Mr Dewald Coetzee	DWA: NWRI: Southern Operations	DC	Mr Barry Martin	NMBM	BM	Mr Paul du Plessis	NMBM	PduP	Mr Harms du Plessis	Lower Sundays IB	HdP	Mr Pierre Joubert	Gamtoos IB	PJ	Ms RienetteColesky	Gamtoos IB	RC	Mr Kowie Joubert	ProvDept Agriculture and Land Affairs	KJ	Mr GaleloMbambisa	DWA: Water Sector Support	GM	Mr Andrew Lucas	DWA: Water Quality Management	AL	Mr Nick Chapman	Nelson Mandela Bay Business Chamber	NC	Mr Paul Herbst	DWA: WUE	PH	Ms NophisoSombane	DWA: WUE	NS	Mr Erik van der Berg	Aurecon	EvdB	Ms Reina Zastron	Aurecon	RZ	Dr Ricky Murray	Groundwater Africa	RM	Mr Peter van Niekerk	DWA: IWRP		Ms Portia Makhanya	DWA:EC		Ms SiziweBlie	DWA: EC		Mr MbuleloSogoni	Director General, Premier's Office		Mr D Balfour	ECPTA		Mr VuyuMadini	EC ProvDept of Local Govt& Traditional Affairs		Mr Willie Olivier	Coega IDZ		Mr Piet Snyman	Cacadu DM		Dr BeasonMwaka	DWA: WRPS		Mr Jeff Govender	Dept Econ Dev and Env Affairs & Tourism		Mr Graham Taylor	Coega IDZ		
Mr Johan van Rooyen	DWA: NWRP	JvR																																																																																				
Ms Isa Thompson	DWA: NWRP (S)	IT																																																																																				
Mr Dewald Coetzee	DWA: NWRI: Southern Operations	DC																																																																																				
Mr Barry Martin	NMBM	BM																																																																																				
Mr Paul du Plessis	NMBM	PduP																																																																																				
Mr Harms du Plessis	Lower Sundays IB	HdP																																																																																				
Mr Pierre Joubert	Gamtoos IB	PJ																																																																																				
Ms RienetteColesky	Gamtoos IB	RC																																																																																				
Mr Kowie Joubert	ProvDept Agriculture and Land Affairs	KJ																																																																																				
Mr GaleloMbambisa	DWA: Water Sector Support	GM																																																																																				
Mr Andrew Lucas	DWA: Water Quality Management	AL																																																																																				
Mr Nick Chapman	Nelson Mandela Bay Business Chamber	NC																																																																																				
Mr Paul Herbst	DWA: WUE	PH																																																																																				
Ms NophisoSombane	DWA: WUE	NS																																																																																				
Mr Erik van der Berg	Aurecon	EvdB																																																																																				
Ms Reina Zastron	Aurecon	RZ																																																																																				
Dr Ricky Murray	Groundwater Africa	RM																																																																																				
Mr Peter van Niekerk	DWA: IWRP																																																																																					
Ms Portia Makhanya	DWA:EC																																																																																					
Ms SiziweBlie	DWA: EC																																																																																					
Mr MbuleloSogoni	Director General, Premier's Office																																																																																					
Mr D Balfour	ECPTA																																																																																					
Mr VuyuMadini	EC ProvDept of Local Govt& Traditional Affairs																																																																																					
Mr Willie Olivier	Coega IDZ																																																																																					
Mr Piet Snyman	Cacadu DM																																																																																					
Dr BeasonMwaka	DWA: WRPS																																																																																					
Mr Jeff Govender	Dept Econ Dev and Env Affairs & Tourism																																																																																					
Mr Graham Taylor	Coega IDZ																																																																																					

Item		Action
	<p>Mr Dup van Reenen AfriCoast Engineers SA</p> <p>Ms Annalie Marais ProvDept Agriculture and Land Affairs</p> <p>Mr K Nkantsu SALGA Eastern Cape</p> <p>Mr Z Mpulampula SALGA Eastern Cape</p> <p>Mr Bogumsa Panda EC ProvDept of Human Settlement</p> <p>Mr Stan Groenewald NMBM</p>	
3.	<p>APPROVAL OF AGENDA</p> <p>The agenda was approved with the following changes:</p> <p>7.2 'Establishment of the Kouga/Kromme WUA' to '7.2 Establishment of the Kouga/Kromme WUA and CMA establishment'.</p> <p>Add 19.1 under General:</p> <p>19.1 Abstractions from areas upstream of all large supply dams.</p>	
4. 4.1	<p>APPROVAL OF PREVIOUS MINUTES</p> <p>The minutes of the meeting of 26 September 2012 was accepted as a true reflection of the meeting. The link to the webpage where all information and documents regarding the Algoa Reconciliation Strategy can be obtained is as follows:</p> <p>www.dwa.gov.za/Projects/Algoa/</p>	
5.	<p>MATTERS ARISING FROM PREVIOUS MINUTES</p> <p>No matters arising that are not on the current agenda.</p>	
6.	<p>ADMINISTRATIVE AND TECHNICAL SUPPORT GROUP</p> <p>The minutes of the ATSG Meetings of 22 Nov 2011 and 15 Mar 2012 were distributed with the agenda. All matters will be dealt with under the relevant agenda items.</p>	
7. 7.1	<p>RELEVANT PROJECTS & INITIATIVES UNDERTAKEN BY OTHER RESPONSIBLE ENTITIES</p> <p>AWSS Annual Operating rules</p> <p>DC reported the following:</p> <p>When the model for the Algoa WSS operating rules was run in May 2012 it was recommended that no water restrictions for the period July 2012 to June 2013 will be necessary.</p> <p>When operating rules for the Algoa Water Supply System for the 2012/13 water year was evaluated, it was assumed that additional Orange River water would be available to supply the Metro by mid-2013 via the Nooitgedagt Low Level Scheme. Because the new scheme is however not complete, the Metro has used more water from the Kougasystem than anticipated. For this reason the model for the Algoa WSS operating rules was run again in January 2013. The Metro will have to apply for additional water from the source if they want to use more water from the Loerie Dam during the 2012-2013 water year. Because the NLLS is not completed, supply from the system will be under pressure until such time that it will be complete.</p> <p>As the average daily use is currently high, this could mean that water restrictions will have to be implemented in the near future. PJ said that the Metro has to immediately start with restrictions not to restrict farmers during the next year as farmers are not using more water than they have been allocated. The metro has distributed pamphlets regarding restrictions, but the information on the pamphlets are wrong as it states that restrictions will be implemented because the dam levels are low which is not the case.</p>	NMBM

Item		Action
	<p>After the meeting, DC analysed the use and reported the following: 84% of the Metro's allocation for the year 2012/13 water year has been used in the period July 2012 - March 2013. This means that only 16% of the allocation is left to be used in the remaining 3 months of the year. It is also interesting to note that the Metro has used only 19 million m³ of their annual 58 million m³ allocation from the Nooitgedacht Scheme during the 9 months July 2012-March 2013.</p>	
7.2	<p>Establishment of upper Kouga/Kromme WUA and establishment of the CMA</p> <p>As SB could not attend the meeting, AL reported on this. The idea was that one WUA (localised management of an area) would be formed that could represent all irrigators upstream of the Kouga Dam. A PSP has been appointed to take this process forward.</p> <p>The CMA process is also progressing and a PSP has been appointed to develop a Business plan. JvR mentioned that realistically this could take at least 2 years. IT remarked that Ms Portia Makhanyahas prioritised this initiative. She also said that it must be ensured that all local agencies and forums will form part of the CMA structures.</p>	
7.3	<p>Verification and validation of water use study of a part of the Kromme and Kouga catchment areas</p> <p>The following formation was received from SB:</p> <p>An appointment of a PSP for a V&V study has been done for quaternary areas L82 A-D where there are about 886 users. It was determined that the rest of the catchment i.e. L82 E-H up to just above the Kouga Dam has only about 100 water users. This has been presented to the Regional Bid Committee (RBC) to appoint a PSP to complete the catchment. The RBC advised to check whether the current scope of the project could be extended for the same PSP. The PSP has indicated that they are willing to take on the extra work. The TOR still need to be presented to the RBC and hopefully the National Office Bid Committee will approve the extension. The drafting of a submission to the DBAC to request approval to extend the contract and scope for the PSP that has just been appointed is in process.</p>	
7.4	<p>Integrated Catchment Management</p> <p>No discussion. EvdB reported shortly of the meeting that was held in 2012.</p>	
7.5	<p>South African Revenue Protection</p>	
	<p>SM reported that ML was asked to do a presentation on WC/WDM at their next meeting on 4 April 2013. Currently the group is focusing on electricity, but wants to include water.</p>	
7.6	<p>Orange River Reconciliation Strategy</p> <p>No discussion as TG could not attend the meeting. It was mentioned that it is a similar strategy to the Algoa Reconciliation Strategy. It was also said that representatives of the DWA, Eastern Cape, form part of the committee.</p>	
8.	<p>WATER REQUIREMENTS AND USE</p>	
8.1	<p>Coega IDZ water requirements</p>	
	<p>No changes to the Coega IDZ water requirements. No further discussion.</p>	
8.2	<p>Coega IDZ – progress with amendment of Kgalagadi Manganese ROD</p>	
	<p>The Provincial Department of Economic Development, Environmental Affairs and Tourism (DEDEAT) was approached for an amended RoD condition, which will permit the Metro to supply potable water <i>in lieu of</i> industrial standard water to the Coega Industrial Development Zone, for a bridging period of 3 years until treated effluent from the Fishwater Flats Waste Water Treatment Works can be supplied to</p>	

Item		Action
	<p>the Coega Industrial Development Zone. Amotivation from DWA as per DEDEAT's recommendation for the amendment was prepared and submitted to CDC.DEDEAT however recommended that Kalagadi Manganese, as an investor should apply directly for the amendment of a condition of the RoD.CDC informed Kalagadi of this, as well as the fact that they needed to request an extension of the validity period of their ROD, which expires in May 2013.DEDEAT are therefore expecting 2 requests from Kalagadi namely 1) extension of validity period of their ROD; 2) amendment request of condition 3.9.1 of their ROD.</p> <p>The CDC's Business Development Manager for Kalagadi made numerous requests that the above information be obtained and that the process be followed for amendment of their ROD. CDC's BD Manager has confirmed that he has had no response from Kalagadi in this regard to date.WO has indicated after the meeting that he will attend to the matter and report back.</p>	WO
8.3	<p>Other water requirements</p> <p>No discussion as there was no representatives from the DM or LMs.</p>	
9. 9.1	<p>IMPROVING THE CONFIDENCE OF WATER AVAILABILITY</p> <p>Proposed water availability assessment study - Kromme/Kouga</p> <p>IT said that the V&V study needs to be completed before this study could kick off. EvdB mentioned that a review of the Algoa Bridging Study hydrology showed that the "new" hydrology is quite good enough for the current study requirements.</p>	
10. 10.1 10.2	<p>OPERATIONAL EFFICIENCY</p> <p>Darlington Dam Operating Capacity and Dam Safety Rehabilitation Programme</p> <p>The programme is slowly progressing, but no PSP for the design work has been appointed as yet.</p> <p>Additional balancing storage in the LSRGWS</p> <p>JvR apologised for not taking this forward yet. He however thinks that this should reside with Water Resource Planning Systems, Dr Beason Mwaka. IT undertook to take it up with him and to set up a meeting between all role players. DC and representatives from the Sundays River WUA (HdP) should also be invited to the meeting.</p>	IT
11. 11.1	<p>WC/WDM</p> <p>NMBM</p> <p>BM said that he has just finished a comprehensive report on WC/WDM. This report will be disseminated with the minutes. He also mentioned that they have applied for ACIP funding three years in a row, but have not received much. Funding for further WC/WDM measures implementation is urgently needed. The Metro is grateful to DWA for the R2.5 m received for repairs at schools, but this money is effectively helping DoE and not NMBM. Major capital investments are now needed as all quick wins have been done already. Good savings was achieved up till now, but a lot of money is needed for implementing further water savings initiatives. DC said that DWA does not provide funding to Metros. AL said that the water system is in a precarious position and a special initiative is needed to create funding for WC/WDM. PH mentioned that SALGA is busy finalising a project and the BM should contact William Morake urgently. JvR indicated that they need to mention the problem to DWA Head Office.</p>	BM JvR
11.2	<p>Other Municipalities</p> <p>IT indicated they she was unable to get a report on WC/WDM measures implemented at other municipalities, and none of the invited representatives are attending the meeting.</p>	

Item		Action
12. 12.1	ORANGE RIVER INTER-BASIN TRANSFER SCHEME Nooitgedagt Low Level Scheme (NLLS) Implementation and Financing BM said that there is not enough funds available to complete the system. The Metro has re-prioritised their budget and limited money was set aside for the next 2 years to interconnect the high and low level schemes to save energy costs. The date when the full scheme will be operational depends on funding availability, but it will take some years if no money is available. BM was asked to provide a programme to DWA enabling them to report on timelines and risks if no funding is provided.	BM
12.2	DC mentioned that the Metro has over abstracted from the west and under abstracted from the Sundays River side. This could mean that the Metro will soon have to apply restrictions. JvRsummed up that money is needed for both WC/WDM and for completion of the NLLS. Other Orange River water options – return flows and water trading (theSundays River Return FlowScheme) EvdB indicated that this looks like a very attractive and feasible scheme that will need further investigation at feasibility level. BM mentioned that environmental implications of the return flow should be closely evaluated. JvR said that the scope should be defined clearly. SM reported that the quality of the water is better than was previously indicated.JvRconfirmed that the feasibility study should be the responsibility of DWA Options Analysis.	DWA Option Analysis
13. 13.1 13.2 13.3	RE-USE OF WATER NMBM Water Master Plan update The updated WMP will be presented at the SSC meeting in September. JvR asked that the document be distributed before the meeting for discussion during the presentation. Re-use of Water Treated to Industrial Standards Re-use is part of the WMP and will be discussed with the mentioned presentation. Coega IDZ has supplied money for the designs, but another R600 million is needed for construction of such a plant. The size of the re-use scheme needed is currently uncertain. Re-use of Water Treated to Potable Standards No discussion	DvR
14. 14.1	GROUNDWATER NMBM Groundwater Scheme study in progress RM did a presentation on progress of the groundwater investigation. He discussed the following: <ol style="list-style-type: none"> 1. Re-cap on groundwater areas RM showed maps which indicates groundwater areas with estimated exploitable yields(aquifer yields are much higher) 2. Groundwater license applications The abstraction licence application has been submitted to DWA. 3. Progress on drilling contract Due to various difficulties, a driller has still not been appointed as yet. The Metro made the decision to re-submit the SA Rockdrill appointment for signoff by the newly appointed City Manager. 4. Schelmoekdune fields Potential sites for sand filtration of waste water from the Fishwater Flats WWTW have been investigated. A report regarding the findings is available. AL reminded RM of the salt pans in the area where sand filtration is a possibility and 	WO

Item		Action																								
	<p>asked RM to investigate whether this could possibly contaminate the infiltrated groundwater.</p> <p>AL stressed that groundwater development should be promoted as much as possible.</p>																									
15.	SEAWATER DESALINATION																									
15.1	NMBM Desalination Scheme <p>The feasibility study for a bigger desalination plant to the western side of the Metro is progressing well. Sites have been located where water monitoring will be done. Planning for the water monitoring has been done and will go to tender soon.</p>																									
16.	KOUGA DAM REHABILITATION PROGRAMME AND FEASIBILITY OF FUTURE RAISING <p>EvdB presented the updated yields, cost and environmental impact of the findings of a slightly refined investigation into salient aspects of the potential raising of the dam.</p> <ul style="list-style-type: none">The findings from the Algoa Water Resources Bridging Study (undertaken by DWA) were recently made available. This study's scope included updating the land use and hydrology of the Kouga River. Historical and stochastic yield analyses were performed for the Kouga sub-system (Kouga Dam in conjunction with the Loerie Dam further downstream), as part of the AWSS.Raisings by 10.5m, 16.5m and 19.8m were considered.No EWR releases from the Kouga Dam were modeled in the Bridging Study, which is a shortcoming as this may reduce the estimated yields available.The existing dam was designed to be raised but foundation problems (among others) have precluded this option to date. The proposed larger Kouga Dam consists of the construction of a new concrete gravity dam directly downstream of the existing one.Dam costs were updated and URVs determined. Costs include the dam wall only, and do not yet take into account any potential saving related to dam safety work. Costs relating to other infrastructure and land have also not yet been factored in. <p>The findings were as follows:</p> <table><tr><th>Raised Dam Volume</th><th>200 Million m³</th><th>255 Million m³</th><th>293 Million m³</th></tr><tr><td>Raising Height (m)</td><td>10.5</td><td>16.5</td><td>19.8</td></tr><tr><td>Cost (R million)</td><td>1 250</td><td>1 461</td><td>1 602</td></tr><tr><td>Yield (million m³/a)</td><td>74.4</td><td>79.0</td><td>84.0</td></tr><tr><td>Incremental yield (million m³/a)</td><td>+7.7</td><td>+12.3</td><td>+17.3</td></tr><tr><td>URV @ 6% (R/m³)</td><td>12.14</td><td>8.84</td><td>6.89</td></tr></table> <p>There are various environmental aspects that would require more detailed assessment to determine the significance of the impact. Environmental impacts seem significant though and are expected to trigger opposition from environmental groups.</p> <p>JvR mentioned that there should be synergy between dam safety and the raising of</p>	Raised Dam Volume	200 Million m ³	255 Million m ³	293 Million m ³	Raising Height (m)	10.5	16.5	19.8	Cost (R million)	1 250	1 461	1 602	Yield (million m ³ /a)	74.4	79.0	84.0	Incremental yield (million m ³ /a)	+7.7	+12.3	+17.3	URV @ 6% (R/m ³)	12.14	8.84	6.89	DWA
Raised Dam Volume	200 Million m ³	255 Million m ³	293 Million m ³																							
Raising Height (m)	10.5	16.5	19.8																							
Cost (R million)	1 250	1 461	1 602																							
Yield (million m ³ /a)	74.4	79.0	84.0																							
Incremental yield (million m ³ /a)	+7.7	+12.3	+17.3																							
URV @ 6% (R/m ³)	12.14	8.84	6.89																							

Item		Action
	the dam. It is imperative to know what dam safety and rehabilitation work will entail before a decision on the raising of the dam could be taken.	
17. 17.1 17.2	IMPACTS ON YIELDS OF EXISTING DAMS: ECOLOGICAL RESERVE & CLIMATE CHANGE Implementing the Reserve for Existing Dams IT will take the matter up with Barbara Weston. Climate Change JvR mentioned that Pegasys/Aurecon did a valuable study on climate change and the findings should be considered.	 IT RZ
18. 18.1 18.2 18.3	COMMUNICATION Progress Report The April 2013 Draft Progress Report was compiled and IT asked everybody to send their comments and feedback to RZ. Media Release The media release was drafted and disseminated. Some comments were made which RZ will incorporate and distribute with the media release again. It was requested that IT should let members know as soon as it is final for them to be able to disseminate to their own organisations. Webpage A webpage for the Algoa reconciliation strategy is on the DWA website. This webpage will be update bi-annually in April and September (after the SCC meeting and subsequent media release and progress or status reports have been finalised).	 All All RZ
19. 19.1	GENERAL Abstractions of all large supply dams from areas upstream AL indicated that questions are often posed to politicians regarding water transferred from one catchment area to other areas. JvR said that it has to be made clear that a decision was made by Government a long time ago that that water is a national asset, from which it follows that water originating from any catchment is not owned by that catchment or the population and water users in that catchment and the water shall be utilized for the best purpose and in the interests of the country as a whole. This does not mean that users in a catchment do not have a right to the water. Institutions are and must be in place to ensure water availability for everyone. BM reported that DWA has frequent bilateral meetings to ensure the availability of water for everyone. PJ mentioned that the findings of the V&V study will be helpful to know how much water is available in the Kouga catchment. It was also mentioned that the CMAs could be the right vehicle for overseeing this issue.	
20.	NEXT MEETING The next Strategy Steering Committee meeting will take place on 11 September 2013 @ 9h00 at Aurecon's offices in Port Elizabeth	
21.	CLOSURE The meeting was closed at 14:00.	