

**Minutes of the Grootdraai Dam Forum Meeting held on 25 November 2009 at DWA  
Grootdraai Dam Offices**

	Discussion	Action/follow up
1.	<p><b>Welcome and introduction of attendance and apologies</b> K. Chetty welcomed everyone present to the forum meeting and requested everyone present to introduce him/herself.</p> <p><b>Apologies:</b> Ester Appleyard (ESKOM) Kaizer Khunwane (Xstrata) Mashudu Gangazhe (Xstrata) Rejoice Malatji (ESKOM) Sonita Kruger (Golfview Colliery) Nick Prinsloo (Headwaters) Thabang Motsoaboli (ESKOM)</p>	
2.	<p><b>Minutes of previous meeting</b> Minutes were read, corrected and agreed upon by all present. Under Mooiplaats presentation “boom” corrected to “berm”.</p>	
3.	<p><b>Matters Arising</b> <i>K Chetty</i> indicated that <i>K. Khunwane</i> of Xstrata will present their groundwater modeling in the next forum meeting as he absent with an apology. The presentation format has been circulated by J. Nyama. <i>B. Malatsi</i> indicated that a non-compliance letter has been issued to Lekwa Local Municipality for Morgenson WWTW. <i>V Hlatswayo</i> would give feedback later in the meeting.</p>	
4.	<p><b>Presentations</b></p> <p><b>Rand Water</b> <i>M. Likhetho</i> gave a presentation on the water quality status of the Grootdraai catchment for the period of July 2009 to September 2009. He indicated that VE and VS represents upstream and downstream points respectively in the Grootdraai Catchment. Both VE and VS analytical results shows that the water quality is at an acceptable status except for Conductivity, Alkalinity and Sulphates. It is clear that there is an impact on water quality as a result of the activities within the catchment i.e. mining, sewage and agricultural activities. He further indicated that there is a number of proposed coal mining activities in the vicinity of Ermelo and if approved might cause deterioration in water quality. For the sewage works: New Denmark Colliery shaft and Tutukani <i>faecal coliforms</i> are at an ideal status showing that their treatment plants are effective. General Standards has been used for compliance of WWTW. <i>T. Malotle</i> suggested that the Rand Water indicate in their presentation if whether a WWTW is classified as General or Special. <i>K Chetty</i> requested DWA to find out about the classification of the WWTW.</p> <p><b>DWA Gauteng Regional Office</b> <i>B. Malatsi</i> gave a presentation on the water quality status of the Grootdraai catchment. He apologizes for errors on the presentation and on the hard copy. He indicated that the first two points which is the Grootdraai Dam and Vaal origin are generally on an ideal status. Humanspruit and Witpuntspruit sampling points show that some of the variables such as Sulphates, Conductivity and Chloride are high in</p>	<p><i>DWA to give feedback to Rand Water on classification of WWTW</i></p>

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	<p>concentration as a result of the mining activities as well as the pH value which is very low. WWTW still not complying and DWA regional office are trying their best on resolving the issue.</p> <p><i>T. Ndamase</i> asked DWA to elaborate on what they are doing on the issue and suggested that a technical committee be formed to assess the WWTW within the Grootdraai catchment to identify the difficulties that they have. <i>K Chetty</i> mentioned that she knows about the green drop project which is done by the DWA HO to assess the sewage works and that project is restricted only to the municipal WWTW. <i>M. Likhetha</i> also mentioned that the issue of technical committees was also suggested in other forums but nothing could be done with reports because there's lack of support from the government. <i>L Bapela</i> supported formation of technical team suggestion and stressed that this issue must be dealt with in an integrated manner not only looking at DWA; come back with an action plan.</p> <p><i>K Chetty</i> said from their side they will offer support pending the development of Rand Water's Sanitation Division which should be operational in early 2010. She further indicated that they will need support from DWA regional office and that there's a technical document that is used for assessing WWTW. <i>D Ristic</i> stressed that the DWA: RO must issue directives.</p> <p><b>Tutuka Power Station</b>  <i>T. Malotle</i> gave feedback on Tutukani Sewage works indicating that NO<sub>3</sub> concentration has been improving since April 2009 and the process of removing NO<sub>3</sub> is in progress. Under new developments he mentioned that they are installing a device that will be used to remove silt.  <i>T. Ndamase</i> indicated that the Water Use License application will be submitted to DWA: RO in January 2010 and currently are working on the outstanding information for the Waste Discharge forms.</p> <p><b>Camden Power Station</b>  No presentation- absent with apology</p> <p><b>Majuba Power Station</b>  No presentation- absent with apology</p> <p><b>New Denmark Colliery</b>  <i>G Mosetlho</i> gave the presentation and indicated they have retained their ISO 14001 certificate at end of October 2009. Brine pumped is within their target, dirty water is pumped to Tutuka Power Station and there was no overflow for the past quarter. The water quality is always above the required standards. For new developments they will be installing calorifier for the change rooms. No pollution incidents were experienced. For Brine disposal they are waiting respond from DWA RO. <i>P. Meulenbeld</i> indicated that DWA will issue directive to NDC on Friday 27<sup>th</sup> November 2009. <i>B Malatsi</i> asked about their WDCS registration. NDC has submitted the forms to their head office and will be submitted soon to DWA RO.</p>	<p><i>K Chetty to circulate the technical document for assessment of WWTW.</i></p> <p><i>T. Ndamase to find out about Majuba Power Station Water Use License application</i></p> <p><i>DWA to issue a directive to NDC</i></p> <p><i>NDC to submit the WDCS forms to DWA</i></p>

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<p><b>Golfview Mine</b> No presentation- absent with apology</p> <p><b>Xstrata (Spitzkop)</b> No presentation- Absent with apology</p> <p><b>Delta/Mashala</b> G. Lottreaur gave a presentation on behalf of Mashala indicating that they are doing monitoring at 6 surface water and 2 groundwater points. The surface monitoring points are at pollution control dams, Humanspruit, upstream point source and downstream of their activity. High concentration of Calcium, Conductivity, Sulphates and low pH has been indicated in the samples taken. He further indicated that Eskom V-notch dam has a definite negative impact on the water quality. No pollution incidents reported. They are waiting for a final approval WUL from DWA. New Development- Delta is planning to build a new pollution control dam and there are in a process to start a new mine which is Ferreira Coal Mine. K. Chetty advised them to use the guidelines to ensure that they comply. I D Lamprecht raised a question of whom own the operational area and if Eskom is operating at Mashala's property. He further indicated that if the result shows pollution then it is a pollution incident and must be reported to DWA and Rand Water.</p> <p><b>Mooiplaats/ Coal of Africa</b> N Barnard gave a presentation and indicated that they have started recently with the monitoring programme and the first report will be out at the end of November 2009. They have 12 surface water monitoring points. They don't have a Water Use license in place but currently finalizing the application for both the existing North operation and the proposed South underground mining. P Meulenbeld indicated that the comments from DWA were negative for the EMP because of the undermining of the Vaal river. She indicated that they are working on those comments.</p> <p><b>Govan Mbeki Municipality</b> No Report</p> <p><b>Gert Sibande District Municipality</b> GSDM indicated that they do not have any surface &amp; ground water monitoring. Does not know of any pollution incidents. P Meulenbeld indicated that people are complaining about the bad smell from the abattoirs and had a meeting with GDACE on that matter.</p> <p><b>Msukaligwa Municipality</b> No Report-Absent without apology</p> <p><b>Seme Municipality</b> No Report-Absent without apology</p> <p><b>Lekwa Municipality</b> V Hlatswayo indicated that the management had a meeting and the matter is now being handled by Gert Sibande District Municipality. Michael Wells is the one who is dealing with the matter.</p>	<p><i>Spitzkop to present their groundwater modelling in the next forum meeting</i></p> <p><i>Delta Mashala to report on the agreement with Camden Power Station on the V-notch dam</i></p> <p><i>Mooiplaats will present the water quality data in the next forum meeting</i></p>

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	<p>M Wells sent an e-mail to give clarity on the issue. He said that Gert Sibande District municipality has allocated R2, 000,000 towards the refurbishment of the existing treatment plant however this will not totally resolve the problem due to the type of treatment plant that exists namely a facultative pond system. The GSDM is currently evaluating the tenders and the award will be made within the next month.</p> <p>The Lekwa municipality has already received approval of their business plan for the construction of a new treatment plant and is only able to complete the design of the plant with the funding that has been made available through the MIG grant.</p> <p>The Lekwa municipality therefore needs to allocate more of their MIG allocation to have the plant constructed. The construction costs are estimated at R19, 000,000.</p> <p><b>Mpumalanga Department of Economic Development, Environment and Tourism (MDEDET)</b></p> <p>The pollution that was report is that of Morgenzon WWTW and they have received an application for the upgrading of the sewage works.</p> <p><b>Umlabu Colliery</b>  <i>D Slabbert</i> indicated that no pollution incidents were experienced and do not have new developments. Currently busy with the Water Use License application.</p> <p><b>DWA-HO</b>  <i>D Ristic</i> gave the presentation on the strategy that they are developing. One element of the strategy is the water requirements for the current and future generation as well as the efficiency. The other is for the water resource including surface water, groundwater, treated effluents etc. <i>L Bapela</i> indicated that this study will benefit also the municipalities in terms of the challenges that they are currently facing of not compliant sewage effluents.</p> <p><i>I D Lamprecht</i> raised a question of if whether all the stakeholders in the catchment are included on the agenda. He indicated that there is one mine (Imbabala) which does not appear on the list. <i>K Chetty</i> stressed to all the forum members to send contact details of the stakeholders which are not taking part in the forum meetings.</p>	<p><i>Forum members to forward details of other stakeholders to DWA &amp; K Chetty</i>  <i>J Nyama to invite the new stakeholders to the forum meetings and include them on the Agenda</i></p>
5.	<p><b>Catchment Management Agency (CMA)</b>  <i>P. Meulenbeld</i> indicated that the interview has been held and awaiting for the appointment of the person.</p>	<p><i>DWA RO to give feedback on the appointment in the next meeting</i></p>
6.	<p><b>General</b></p>	
6.1	<p><b>License Applications</b>          Spitzkop Colliery – awaiting outstanding documents from the applicant.</p>	<p><i>DWA Regional Office</i></p>

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	<p>Ground water reserve issued, waiting for the Surface water reserve.</p> <p>Delta/ Mashala –License has been drafted, waiting for surface and ground water reserves.</p> <p>New Denmark Colliery –Bishop had a meeting with Makgamola discussing the draft license</p> <p>Golfview Mine – the application is with DWA HO.</p> <p>Ferreira Coal mine- (part of Mashala Resources) awaiting for resubmission</p> <p>Amersfoort WWTW- application received and DWA RO busy with evaluation</p>	
6.2	<p><b>Pollution Incidents</b></p> <p>Govan Mbeki Municipality reported a pollution incident at Bethal WWTW.</p> <p>Camden power station: spillage of oil.</p> <p>Opposite to Mbabala Colliery there's sewage water following on the street.</p> <p>Siding of Golfview mine on Lothair road. Pollution Control dams are overflowing into maize land and wetlands.</p> <p>Umlabu: On Breyten road across Spitzkop. Coal dump at washing plant on fire.</p>	
6.3	<p><b>Integrated map of sampling points</b></p> <p>It was suggested to do an integrated monitoring point's map for the entire Grootdraai Dam Catchment. The forum must forward their monitoring points to DWA or <i>K. Chetty</i>.</p>	<p><i>Forum members to forward the sampling points maps or coordinates to J Nyama or K Chetty</i></p>
6.4	<p><b>Dates of the 2010 forum meetings</b></p> <p><i>K Chetty</i> suggested that the meetings be shifted to Tuesday in order to avoid back to back forum meetings for those who attend Grootdraai Dam and Vaal Dam Reservoir forum meetings. The forum members agreed and the following dates were set:</p> <p><b>23 February 2010</b>  <b>25 May 2010</b>  <b>24 August 2010</b>  <b>23 November 2010</b></p> <p>The venues to be advised by DWA and <i>K Chetty</i> urged members that if they have a venue for the meeting to contact J Nyama or B Malatsi</p>	
6.5	<p><b>River monitoring</b></p> <p><i>T Malotle</i> raised a question of who is doing the river monitoring. <i>K Chetty</i> indicated that DWA and Rand Water are doing monitoring. He indicated that they have increased the amount of dosage of disinfectant and ask Rand Water to change the sampling point of their effluent.</p>	<p><i>K Chetty to communicate with T Malotle on the matter</i></p>

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6.6	<b>Nominees for the technical team</b> <ol style="list-style-type: none"> <li>1. Tebogo Mogakabe</li> <li>2. Jurden Dunn</li> <li>3. Trevor Malotle</li> <li>4. Nick Prinsloo</li> <li>5. Surgeon Marebane</li> <li>6. Tebogo Ndamase</li> </ol>	
7.	<b>Closure</b> <i>K. Chetty</i> thanked all attendees for attending the meeting and encouraged them to attend the forum meeting. The meeting was then closed at 12:15pm.	
8.	<b>Date for Next meeting</b> 23 February 2010, venue to be advised	

**GROOTDRAAI DAM ATTENDEANCE REGISTER 25 November 2009**

<b>No</b>	<b>Name</b>	<b>Company</b>	<b>Email Address</b>	<b>Tel No</b>	<b>Fax</b>	<b>Cell No</b>
1	Karen Chetty	Rand Water	kchetty@randwater.co.za	011 682 0735	086 693 2910	082 389 0374
2	Mmino Likhetha	Rand Water	mlikheth@randwater.co.za	011 682 0662	011 682 0733	082 389 0347
3	Trevor Malotle	Eskom Tutuka PS	Trevor.Malotle@eskom.co.za	017 749 5816	017 749 5582	076 752 0131
4	Gali Moseitho	New Denmark Colliery	<a href="mailto:gmosetlho@anglocoal.co.za">gmosetlho@anglocoal.co.za</a>	017 749 0065	017 749 0113	083 3720129
7	Jeanette Nyama	DWA	<a href="mailto:magwail@dwaf.gov.za">magwail@dwaf.gov.za</a>	012 392 1369	012 392 1359	082 877 5139
8	Tshiruruvhela Humbelani	Agric Resource Info	Humbelani@nooitgdl.agric.za	017 811 5811	017 819 1223	084 506 9813
9	Dragana Ristic	DWA-HO	RisticD@dwaf.gov.za	012 336 8302	012 336 8295	082 904 5636
10	Jurgen Dunn	GSDM	jurden.d@govanmbeki.gov.za	017 620 6272	017 634 8195	072 580 9080
11	Sias Burger	DEDET-EE	sias@environ1.agric.za	082 246 0820	086 610 9089	
12	Paul Meulenbeld	DWA	meulenbeldp@dwaf.gov.za	012 392 1371	012 392 1359	082 662 7719
13	Tebogo Ndamase	Eskom (PED)	ndamaset@eskom.co.za	011 800 4326	086 619 2637	084 506 9813
14	Vusi Hlatswayo	Lekwa Municipality		017 712 9600	017 714 8950	079 894 8542
15	Simon Mporetji	Rand Water	smporetji@randwater.co.za	011 682 0267	011 682 0267	082 222 0987
16	Dirk Slabbert	Umlabu Colliery	dirks@sacmh.co.za			072 294 2268
17	Bishop Malatsi	DWA: GAU	malatsib@dwaf.gov.za	012 392 1421	012 392 1369	083 607 4849
18	Ninette Barnard	Mooiplaats Colliery	ninette@coalofafrica.co.za	083 276 4092		083 567 7314
19	Lerato Bapela	DWA:HO	bapelal@dwaf.gov.za	012 336 8324		082 902 8161
20	Tebogo Mogakabe	DEDET:PFWM	tebogo@environ1.agric.za	017 819 2829	086 514 2007	082 909 6730
21	Bhristiaan	Eskom CED				
22	De Beer	Majuba Rarl project	dBeerch@eskom.co.za	017 799 2236	017 799 2234	073 368 2019
23	Surgeon Marebane	DEDET:IMPACT	surgeon@environ1.agric.za	017 819 1155	086 516 3658	072 408 3138
24	I D Lamprecht	DARDLA		017 811 5811	017 819 1223	083 279 6062
25	M L Nruwambi	NDC				