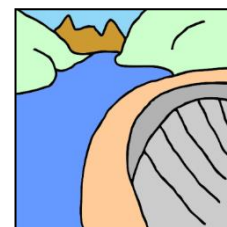


MINUTES GROOTDRAAI DAM FORUM

24 May 2016

Nooitgedacht, Ermelo

10:00 – 12:00



No	Item	Action																								
1.	Welcome <ul style="list-style-type: none"> <i>M Gangazhe</i> (Chairperson) welcomed everyone present at the forum meeting 	<i>Chairperson</i>																								
2.	Introduction <ul style="list-style-type: none"> All the attendees introduced themselves. 	<i>All</i>																								
3.	Apologies <table border="1" data-bbox="204 801 1166 1137"> <thead> <tr> <th>No</th> <th>Name</th> <th>Organization</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Karlien De Villiers</td> <td>DWS Head Office</td> </tr> <tr> <td>2</td> <td>Justice Fhezisani</td> <td>DWS Gauteng Provincial Office</td> </tr> <tr> <td>3</td> <td>Moropana</td> <td>Govan Mbeki Local Municipality</td> </tr> <tr> <td>4.</td> <td>Reveck Harrarim</td> <td>Rand Water</td> </tr> <tr> <td>5.</td> <td>Nicolene van der Walt</td> <td>Rand Water</td> </tr> <tr> <td>6.</td> <td>Mandisa Matiso</td> <td>DWS Mpumalanga Provincial Office</td> </tr> <tr> <td>7</td> <td>Thobile Johnson</td> <td>DWS Gauteng Provincial Office</td> </tr> </tbody> </table>	No	Name	Organization	1	Karlien De Villiers	DWS Head Office	2	Justice Fhezisani	DWS Gauteng Provincial Office	3	Moropana	Govan Mbeki Local Municipality	4.	Reveck Harrarim	Rand Water	5.	Nicolene van der Walt	Rand Water	6.	Mandisa Matiso	DWS Mpumalanga Provincial Office	7	Thobile Johnson	DWS Gauteng Provincial Office	<i>All</i>
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4.	Minutes of the Previous Meeting Corrections <table border="1" data-bbox="204 1256 1166 1720"> <thead> <tr> <th>Page</th> <th>Item</th> <th>Statement/word</th> <th>Corrections</th> <th>Reason</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1, 14</td> <td>Ganghazhe</td> <td><i>Gangazhe</i></td> <td><i>spelling</i></td> </tr> <tr> <td>2</td> <td>8.7</td> <td>Samples were not taken in the quarter because the stream was dry.</td> <td><i>Only on one downstream monitoring point, other monitoring points were sample.</i></td> <td><i>incorrect</i></td> </tr> <tr> <td>3</td> <td>8.10</td> <td></td> <td><i>Umlabu gave a presentation The mine is also busy with the rehabilitation plan</i></td> <td><i>addition</i></td> </tr> </tbody> </table>	Page	Item	Statement/word	Corrections	Reason	1	1, 14	Ganghazhe	<i>Gangazhe</i>	<i>spelling</i>	2	8.7	Samples were not taken in the quarter because the stream was dry.	<i>Only on one downstream monitoring point, other monitoring points were sample.</i>	<i>incorrect</i>	3	8.10		<i>Umlabu gave a presentation The mine is also busy with the rehabilitation plan</i>	<i>addition</i>	<i>All</i>				
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5	Matters Arising from the Previous Minutes <ul style="list-style-type: none"> Item 5, DWS laboratory contract update to be addressed under item 7.2. Item 7.1, <i>L Mabona</i> indicated that the matter of poor attendance of the Municipalities was discussed within DWS; it will be further discussed with the chairperson out of the meeting. Item 9, <i>J Nyama</i> reported that Bethal WWTWs WULA documentations were resubmitted to the Delegated Authority's office for decision. 	<i>DWS/Chairperson to report back on their wayforward on dealing with Municipalities poor attendance</i>																								

6.	Additions to the Agenda	
6.1	Dam Safety Presentation as item 13	
7.	Items for discussions	
7.1	Rand Water <ul style="list-style-type: none"> • <i>S Mporetji</i> gave a presentation on water monitoring results for a period starting from 1 April 2015 to 31 March 2016. He further indicated that the presentation will be focused on the problematic areas. • Witpuntspruit is one of the problematic areas with elevated concentration of sulphates and low pH. • Brummespruit, downstream of the Ermelo Wastewater Treatment works (WWTWs), is generally not compliant except for chlorides and pH. • Blesbokspruit, below Bethal WWTWs, has shown a slight improvement in Ammonia concentration, but generally is also not compliant • Generally WWTWs complies with General Standards in terms of GN 1191 of Oct 1999, except for variables such as Ammonia and E.coli. • The water quality standards used are for the river system is the instream water quality guidelines, which differ from one sub-catchment to the other. • Geelklipspruit was not monitored because there was no flow. 	
7.2	DWS Water Quality Management <ul style="list-style-type: none"> • <i>L Mabona</i> indicated that a laboratory contract has been finalized. Therefore, sampling resumed in April 2016. Currently, there is only one month water quality data available. 	<i>DWS to present the water quality results in the next meeting.</i>
7.3	DWS Solid Waste Management <ul style="list-style-type: none"> • Absent with apology 	
7.4	DWS Compliance Monitoring and Enforcement <ul style="list-style-type: none"> • <i>L Nqelenga</i> indicated that the lawyers of the farmer issued with a directive to demolish the dam near Bethal, has made a representation to the Department. • Apparently, there was a court order against Govan Mbeki Municipality issued in 1999, which according to the lawyers still stand. The Department could not proceed demolishing that dam, as there is still a need to further engage on the court order with the Department's Legal Services and the Municipality. • Furthermore, he indicated that the Department will be conducting compliance audit at Thutsi Colliery and Amersfoort WWTWs. 	
8.	Catchment Activities (5 Minutes Report Back by Stakeholders)	
8.1	TUTUKA POWER STATION <ul style="list-style-type: none"> • <i>L Totsa</i> mentioned he did not prepare any presentation because it was his first time to attend this meeting. 	
8.2	CAMDEN POWER STATION <ul style="list-style-type: none"> • <i>T Mpongo</i> gave an informal presentation on the progress of their ash dump project. • Water Use Licence has been issued, and construction of the dump facility is underway. • He further indicated that they normally conduct public meeting every six months. 	<i>Camden Power Station to give a formal presentation in the next meeting.</i>

<p>8.3</p>	<p>MAJUBA POWER STATION</p> <ul style="list-style-type: none"> • <i>J Makhanya</i> gave a presentation indicating that previously they presented the WWTWs effluent quality. However, Majuba Power Station has changed its operation. The effluent is no longer discharged into the environment but it is recovered in the cooling system. She requested that the Power Station in future present the monitoring points around the station. • She presented the effluent data from August 2015 to March 2016. The Station WWTWs is designed to treat 3.3 Ml per day, but it is now operating at about 200 m³ per day, hence they had a challenge of low flows. • All variables were within the required specification in terms of the General Standards, except for nitrates. 	<p><i>Majuba Power Station to present monitoring points in future</i></p>
<p>8.4</p>	<p>MAJUBA RAILWAY LINE PROJECT</p> <ul style="list-style-type: none"> • <i>J Masenya</i> mentioned that they are almost done with the civil works and about 30km of rail has been laid. • There is also a power lines project linked to the rail project underway. • They have requested an amendment of their WUL for some variables. • In terms of water quality, there has been an improvement on Alkalinity, but experienced some challenges on pH as it was high on some of the monitoring points. • Most of non-compliant variables are from other sources, not from this project. • Monitoring point at km 58 has been included in the monitoring programme submitted to DWS. 	
<p>8.5</p>	<p>NEW DENMARK COLLIERY</p> <ul style="list-style-type: none"> • Absent with apology 	
<p>8.6</p>	<p>GOLFVIEW & LELIEFONTEIN</p> <ul style="list-style-type: none"> • Absent without apology 	
<p>8.7</p>	<p>MSOBO COAL (SPITZKOP AND TSELENTIS)</p> <ul style="list-style-type: none"> • <i>M Gangazhe</i> gave a presentation for both operations. He indicated that Spitzkop is situated in quaternary catchment C11F, whereas a portion of Tselentis is situated in C11A. Msobo has other mining right for other areas but still busy with the process of applying for WUL. • In Spitzkop, they have experienced non compliance of Sulphate on both SANS and in-stream water quality guideline. • He further indicated that the mine is planning to conduct a stream profile investigation, once the streams around the area are dry. This is to determine the reason for elevated sulphate concentration. • There was no pollution incident occurred within the first quarter (Jan-March 2016). • In terms of WULAs, Spitzkop and Discard dump Extension submitted with DWS in 2011 and 2014 respectively, they are waiting for the date to meet and discuss waste classification with DWS Engineering Services. For Tselentis Mooiplaats WULA, they are still waiting for further correspondences. • Current projects are biomonitoring, continuous water monitoring and compilation of Duiker 15 WULA. 	<p><i>Msobo Coal to present the stream-profile investigation and biomonitoring outcome if available in the next meeting</i></p>

<p>8.8</p>	<p>MASHALA RESOURCES / PENUMBRA COAL MINING</p> <ul style="list-style-type: none"> • <i>L Marais</i> gave a presentation, indicating that the mine is still under care and maintenance but they are planning to start with the operations in few months time, should everything go according to their plan. • Bio-monitoring, water and dust monitoring are still conducted continuously according the authorisations. • There was no pollution incident occurred since the last one in January 2016. • The mine has managed to reduce pollution from their side, but the challenge is from pollution emanating from old mine workings, which is affecting the Humanspruit. The mine is planning to engage with DWS on resolving the issue of old mines pollution on the Humanspruit. DWS indicated that they are aware of the matter. 	<p><i>DWS to engage internally with matter so that it can referred to the DMR taskteam forum</i></p>
<p>8.9</p>	<p>MOOIPLAATS COLLIERY</p> <ul style="list-style-type: none"> • <i>D J. van der Merwe</i> gave a presentation for both Mooiplaats and Umlabu • Mooiplaats is still under care and maintenance, but water monitoring is still continuing as per authorisations. • In terms of water quality, far upstream monitoring point shows low level of pH. The quality of the stream from the mine side is not as poor compared to upstream. • Care and maintenance entails maintain the entire infrastructure on site and monitoring pollution that might emanate from the site. • He further indicated that he is not sure if the mine will be restarted or sold in future. 	
<p>8.10</p>	<p>UMLABU COAL MINE</p> <ul style="list-style-type: none"> • <i>D J. van der Merwe</i> indicated that the mine is still under care and maintenance. • The analysis of water is done on a quarterly basis. • High sulphates are as a result of rock dump and other waste facilities, because currently there is no clean and dirty water separation system in place. The mine is looking at putting a proper infrastructure in place to mitigate pollution of the water resources. • The mine was advised in the mean time to put temporary mitigating measures in place, while still looking at the proper infrastructure. 	
<p>8.11</p>	<p>VUNENE COAL MINE</p> <ul style="list-style-type: none"> • <i>Z Masina</i> indicated that the mine is also experiencing the same challenges as other mines, because they are inheriting poor water quality from upstream of their operations. Upstream water quality has low pH and high sulphates concentration. • Opencast mine currently operational, whereas underground mine is under care and maintenance. Opencast mine has authorisations, but the underground mine applications are still in process. • Monitoring points of concern are upstream, in between and downstream of the opencast area. These points are non compliant in terms of pH, conductivity and sulphates. • She indicated that from their site, it is not easy to pinpoint water pollution but they have clean-dirty water separation system. 	

8.12	<p>THUTSI COLLIERY</p> <ul style="list-style-type: none"> • A <i>Maphoso</i> indicated that they are mining only on portion 26 of the farm Uitgevallen and have an approved EMP and WUL. • The pollution control dam was constructed, but based on the audit it was noticed that there is still some infrastructure required. • The mine is no longer processing coal on site due to some challenges they encountered during the operation, as a result their coal is now processed at Msobo coal. • He said that they are also inheriting poor water quality from upstream due to the abandoned mine on the vicinity. The water quality it improves naturally when it leaves their mining area. • Currently, the mine is looking at implementing a proper ground water monitoring program and other technologies of processing coal. The slurry was a major problem during the operation of the coal processing plant. 	<p><i>Thutsi to give an update on the ground water monitoring program and coal processing plant</i></p>
8.13	<p>IMBABALA COAL MINE</p> <ul style="list-style-type: none"> • Absent without apology. 	
8.14	<p>Govan Mbeki Municipality</p> <ul style="list-style-type: none"> • A <i>Mangena</i> gave a presentation, indicating that the plant failed to comply in terms of microbiological variables. • The Municipality has 10 pump stations in Bethal linked to the WWTWs. Cow village and Milan Park pump stations are not operational, and the pumps have been taken for maintenance. These pumps will be reinstalled by 30 May 2016. The Ext 4 pump station was stopped due to the pipe burst. • Govan Mbeki LM is currently developing WWTWs Improvement Plan for all 6 WWTWs within their jurisdiction. 	
8.15	<p>GERT SIBANDE MUNICIPALITY</p> <ul style="list-style-type: none"> • <i>T Mphanga</i> did not have any presentation. He indicated that he works at the Water laboratory, so he was not sure what information needs to be present at the forum. 	
8.16	<p>MSUKALIGWA MUNICIPALITY</p> <ul style="list-style-type: none"> • Absent without apology. 	
8.17	<p>PIXLEY KA SEME MUNICIPALITY</p> <ul style="list-style-type: none"> • Absent without apology. 	
8.18	<p>LEKWA MUNICIPALITY</p> <ul style="list-style-type: none"> • V Hlatswayo mentioned that all the work of refurbishment by DWS has been done, except for two items, which are installation of meter readings and a chlorinator. These items have been ordered as indicated by DWS. • It was indicated that Lekwa LM is not loading the data on the Green Drop System (GDS) of the Department. Furthermore, all the Municipalities were advised to develop a Corrective Action plan, which must be submitted to the DWS for approval and monitoring. 	<p><i>Lekwa to find out about the reason why GDS data is not loaded.</i></p>
8.19	<p>Department of Mineral Resources</p> <ul style="list-style-type: none"> • Absent without apology. 	

9	Water Use License See Appendix I	
10	Pollution incidents Addressed per agenda.	
11	WASTE WATER TREATMENT WORKS (WWTW) TASK TEAM <ul style="list-style-type: none"> • <i>P Sibambo</i> gave an update of the WWTWs project for the WWTWs falling within Grootdraai Catchment. He indicated that for Morgenson Oxidation ponds only the chlorination system is still need to be installed, whereas for Ermelo WWTWs, the contractor is currently repairing the mechanical problems. A meeting will be held with the affected Municipalities on 07 June 2016 • Furthermore, he indicated that there is an interdepartmental (DWS and Department of Environmental Affairs) project coming, where they will be conducting compliance monitoring and enforcement on all WWTWs in the country. The project currently at initial stage (planning). • <i>H Chetty</i> added that Amersfoort is also currently under refurbishment. Gert Sibande District Municipality will be appointing a service provider for the upgrade of the plant. 	
12	Catchment Management Agency Process <ul style="list-style-type: none"> • <i>L Mabona</i> indicated that as previously mentioned the Vaal CMA has been Gazetted, currently the DWS is consulting with the affected employees. 	
13	Additions to the agenda Dam Safety Presentation <ul style="list-style-type: none"> • <i>H Groenewald</i> gave a presentation on Dam Safety Regulations. She explained the functions of their unit as well as the requirements of dam safety regulation. • She concluded by saying all the information presented is available on the DWS website: www.dwa.gov.za General <ul style="list-style-type: none"> • <i>A Mabasa</i> said DWS received a letter from Eskom indicating that they are experiencing a challenge with their ash dump in terms of complying with the groundwater quality limits. This is as a result of historical activities. Camden Power station confirmed the request, indicating that they need advice from DWS. • The <i>chairperson</i> suggested that Eskom and DWS meet to discuss the matter further. • It was requested that presentations be circulated to all forum members. However, this was never done previously. 	<i>DWS (A Mabasa) /Eskom to have a meeting to discuss Eskom request</i> <i>Distribution of presentations to be discussed further.</i>
14	Next Meeting 23 August 2016, Venue to be confirmed	<i>All</i>
15	Closure M Ganghazhe thanked everyone for participating and adjourned the meeting at 12H20	<i>Chairperson</i>

Appendix I

Water Use Licence Status

No	Name	Status	Comments
1	Msobo Coal Mine	File closed* due to insufficient information	Meeting to be held with DWS Engineering Services. The application to be reopened if outstanding information is provided
2	Optimum Coal Mine (Glencor)		The application to be reopened if outstanding information is provided
3	Umlabu Coal mine		
4	New Denmark Colliery	Submitted for delegated authority decision	
5	Bethal WWTWs		
6	Vunene Coal Mining		
7	Eskom Camden Power Station Ash dump	Issued*	
8	Eskom Majuba Power Station Ash Dump		
9	Douglas Dam Desilting Project	In process	Specialist Input outstanding
10	Eskom Mashala Power line	In process	Ready for presentation to the committee
11	Transnet Swazilink Rail project	In process	Outstanding information submitted by the applicant
12	Eskom Lambda substation & power line	In process	Outstanding information submitted by the applicant
13	Amersfoort Abattoir	In process	Outstanding information submitted by the applicant

* Status of the applications will be longer be part of the update **unless** if the file is reopened (w.r.t. closed files)