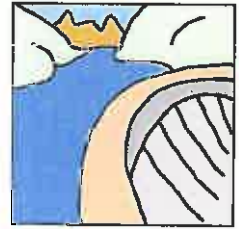


MINUTES
GROOTDRAAI DAM FORUM

24 November 2015
Nooitgedacht, Ermelo
10:00 – 13:00



No	Item	Action												
1.	<p>Welcome</p> <ul style="list-style-type: none"> Lesiba Mabona welcomed everyone present at the forum meeting, also highlighted the plans to ameliorate the forum by coming with new ideas. 	All												
2.	<p>Introduction</p> <ul style="list-style-type: none"> All the attendees introduced themselves. 	Chairperson												
3.	<p>Apologies</p> <table border="1"> <thead> <tr> <th>No</th> <th>Name</th> <th>Organization</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>Senzo Nyathikazi</td> <td>DWS</td> </tr> <tr> <td>3</td> <td>Ephraim Matseba</td> <td>DWS</td> </tr> <tr> <td>4</td> <td>Mashudu Ganghazhe <i>spelling</i></td> <td>Msobo Coal</td> </tr> </tbody> </table>	No	Name	Organization	2	Senzo Nyathikazi	DWS	3	Ephraim Matseba	DWS	4	Mashudu Ganghazhe <i>spelling</i>	Msobo Coal	
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4.	<p>Minutes of the Previous Meeting</p> <p>Corrections</p> <ul style="list-style-type: none"> Pg1. 4. Mooiplaats Colliery and Umlabu Colliery were represented by Mr David Van Der Merwe in the last forum. Pg2.8.1 Eskom: Tutuka Power Station, prevented maintenance (PM) for the drainage manhole inspections to be done. Pg2.8.3. Eskom: Majuba Power Station were in Phase 58 Pg3.8.11. Vunene coal mine was represented in the last forum and gave a feedback on the construction of the pollution control dam. 													
5	<p>Matters Arising from the Previous Minutes</p> <ul style="list-style-type: none"> Pg2. 7.2. Still no water quality data. Feedback will be given in the next meeting. Pg2.7.4. DWS: CME to provide a feedback on the matter concerning Bethal Dam. 													
6.	<p>Additions to the Agenda</p> <p>6.1 Water research tool mine water management.</p> <p>6.2 Water quality management policy revision for SA</p>													
7.	<p>Items for discussions</p> <p>7.1 Rand Water</p> <ul style="list-style-type: none"> It was indicated that in many streams in the catchment, there is no flow due to shortage in rainfall. In VKR Brummerspruit, there is challenge in some variables such as Ammonia, Alkalinity and Nitrate not complying to the instream water quality objectives. This might be due to sewage treatment works not properly functioning. Sulphate and Conductivity are not complying which might be caused by coal mining activities in the upstream. In the Ermelo sewage work, there is high level of Chemical Oxygen Demand (COD). 													

7.2	<p>DWS</p> <ul style="list-style-type: none"> There is no Professional Service Provide to render the sampling service due to procurement process which still needs to be finalized. 	DWS
7.3	<p>DWS Solid Waste Management</p> <ul style="list-style-type: none"> Ms Mabaso asked if Bethal landfill site has lodged an application with the Department of Water and Sanitation, and it was indicated that there is no application lodged. 	CME
7.4	<p>CME</p> <ul style="list-style-type: none"> The matter concerning Bethal Dam, the survey is complete and results are in the final stage. Feedback to be provided in the next forum meeting. 	
8.1	<p>8. Catchment Activities (5 Minutes Report Back by Stakeholders)</p> <p>ESKOM: TUTUKA POWER STATION</p> <ul style="list-style-type: none"> Representative gave a presentation. Electrical Conductivity, Chloride in an unacceptable level. The Power Station is considering products to manage Chloride. In the water use licence, they have a challenge with regard to calibration and verification of the flow meters. The raw sump pump at the Power Station is not operational. <p>Thuthukani sewage works</p> <ul style="list-style-type: none"> At the Thuthukani sewage work, defect notification completion. There is replacement of Dissolved Oxygen analyzer, and sand in the drying beds in progress. Calibration and verification to be done at Tutuka Power Station and Thuthukani Sewage works for in and outflow meters. 	
8.2	<p>ESKOM: CAMDEN POWER STATION</p> <ul style="list-style-type: none"> Representative reported that there is challenge with regard to groundwater contamination in the Power Station, where the sulphate is high, and this is as result of the ash dump not lined. It was also reported that there is no discharge to the water resource as the pollution is kept in the Power Station. The water use licence application for the new ash dump and its related infrastructures has been lodged with the Department and constructions are planned to commence in March 2016. The Power Station has been granted an Environmental Authorisation for this new project. 	
8.3	<p>ESKOM: MAJUBA POWER STATION</p> <ul style="list-style-type: none"> No presentation. 	
8.4	<p>ESKOM: MAJUBA RAILWAY LINE PROJECT</p> <ul style="list-style-type: none"> Representative gave a presentation. Kromdraai - there was siltation of the Kroomdraai River and remedial actions are in place to remediate the River. There is improvement in Alkalinity, Bicarbonate but there is elevation in Suspended Solids (SS). The water use licence for the railway and power lines are issued. 	

8.5	NEW DENMARK COLLIERY <ul style="list-style-type: none"> No water quality report presented, it will be done in the next forum meeting. 	
8.6	GOLFVIEW & LELIEFONTEIN <ul style="list-style-type: none"> No representative and no apology. 	
8.7	MSOBO COAL (SPITZKOP AND TSELENTIS) <ul style="list-style-type: none"> No representative and apology provided. 	
8.8	MASHALA RESOURCES / PENUMBRA COAL MINING <ul style="list-style-type: none"> Representative gave a presentation. Mashala Resources is still under care and maintenance. There is elevation in Sulphate, Total Dissolved Solid (TDS), Conductivity, pH not complying with the instream water quality objectives. In June 2015 they have commenced with the investigation at Humanspruit in order to see the actual impact from old mining works. 	
8.9	MOOPLAATS COLLIERY <ul style="list-style-type: none"> Representative gave a presentation. The mine is still under care and maintenance. They have constructed a new pollution control dam to contain dirty water in the mine. There was an elevation in Sulphate and pH in the last monitoring phase. 	
8.10	UMLABU COAL MINE <ul style="list-style-type: none"> The mine is under care and maintenance, as the operation have ceased. 	
8.11	VUNENE COAL MINE <ul style="list-style-type: none"> The representative gave a presentation. There is a challenge in the upstream of the Witpuntspruit as there is elevation in parameters such as Sulphate, Conductivity being at an unacceptable level. The decant point at Mooiplaats property, the quality of water is good and decant has stopped flowing to Witpuntspruit. The construction of pollution control dam is complete and the mine will start fencing the PCD. 	
8.12	THUTSI COLLIERY <ul style="list-style-type: none"> Thutsi Colliery as been issued with the water use license on 26 September 2014 Construction of the pollution control dam is complete. The quality of water in Tafelkopspruit is improving and this might be caused by dilution. 	
8.13	IMBABALA COAL MINE <ul style="list-style-type: none"> No representative. 	
8.14	GERT SIBANDE DISTRICT MUNICIPALITY <ul style="list-style-type: none"> No presentation. 	
8.15	GOVAN MBEKI LOCAL MUNICIPALITY	

	<ul style="list-style-type: none"> No representative, no apology. 																						
8.16	MSUKALIGWA LOCAL MUNICIPALITY <ul style="list-style-type: none"> No representative, no apology. 																						
8.17	PIXLEY KA SEME LOCAL MUNICIPALITY <ul style="list-style-type: none"> No representative, no apology. 																						
8.18	LEKWA LOCAL MUNICIPALITY <ul style="list-style-type: none"> Representative gave a presentation. Morgenzon Sewer Pond System is not operating efficiently and hence requires urgent refurbishment. The Department of Water and Sanitation has appointed the contractor to refurbish the sewer pump Station and Ponds System. The project was suppose to have started on 01st of September 2015 and end on the 29th January 2016, but the project have not started. The scope of work include the following: <ul style="list-style-type: none"> Provision of raw sewage storage facility to prevent any raw sewage spillages into the surrounding environment in the event that the pumps fail or during power failure 																						
8.19	DMR <ul style="list-style-type: none"> The Department has formed a forum on mine water management and will update the Grootdraai forum on the issues discussed. 	DMR																					
9.	Water Use License <table border="1"> <thead> <tr> <th>No</th> <th>Activity</th> <th>Status</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Glencor Mining</td> <td>WULA still in process</td> </tr> <tr> <td>2</td> <td>Tselentis Mooiplaats</td> <td>WULA still in process</td> </tr> <tr> <td>3</td> <td>Msobo</td> <td>WULA outstanding information.</td> </tr> <tr> <td>4</td> <td>Bethal WWTW</td> <td>WULA waiting for delegated authority decision</td> </tr> <tr> <td>5</td> <td>Majuba Ash dump</td> <td>WULA still in process</td> </tr> <tr> <td>6</td> <td>Govan Mbeki Local Municipality</td> <td>WULA at advance stage.</td> </tr> </tbody> </table>	No	Activity	Status	1	Glencor Mining	WULA still in process	2	Tselentis Mooiplaats	WULA still in process	3	Msobo	WULA outstanding information.	4	Bethal WWTW	WULA waiting for delegated authority decision	5	Majuba Ash dump	WULA still in process	6	Govan Mbeki Local Municipality	WULA at advance stage.	
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10 10.1	<u>Pollution incidents</u> <ul style="list-style-type: none"> No pollution incidents occurred during the last three months. 																						
11	WASTE WATER TREATMENT WORKS (WWTW) TASK TEAM <ul style="list-style-type: none"> Msukaligwa Local Municipality was visited by the Task Team. Feedback to be provided in the next meeting. 	Task Team																					
12	CMA Process <ul style="list-style-type: none"> All comments have been consolidated. The gazzeting will be finalized. 																						

<p>13 13.1</p>	<p>Discussion of Additions to the additions</p> <p>Water Research Commission tool mine water management aims to:</p> <ul style="list-style-type: none"> • To develop a web based mine water management vulnerability assessment tool to determine areas of vulnerability. • Evaluate tools at selected mines through pilot studies. • Support improved efficiency on mine water management. • Initial tool should be relevant to all mine categories A, B, and C. • It should consider water management at all mining phases. • It must highlight areas of water management vulnerability. <p>13.2</p> <p>Water Quality Management Policy Revision for SA</p> <ul style="list-style-type: none"> • The Department has developed policies aimed at managing the water resources in the country. 	
<p>14</p>	<p>Next Meeting 23 February 2016</p>	<p>All</p>
<p>15</p>	<p>Closure Mr Lesiba Mabona thanked everyone for participating and adjourned the meeting at 13H00</p>	<p>Chairperson</p>
<p>16</p>	<p>Lunch</p>	