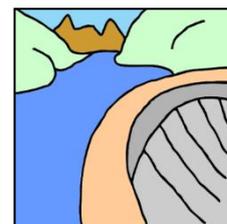


GROOTDRAAI DAM FORUM

21 November 2017

DARDLEA Office, Ermelo

10:00 – 13:30



No	Item	Action																											
1.	Welcome <ul style="list-style-type: none"> Mr Mabona(Acting 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="199 801 1165 1182"> <thead> <tr> <th>No</th> <th>Name</th> <th>Organization</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Mashudu Gangazhe</td> <td>Msobo Coal</td> </tr> <tr> <td>2</td> <td>Simon Mporetji</td> <td>Rand Water</td> </tr> <tr> <td>3</td> <td>Lutho Totsa</td> <td>Eskom Tutuka Power Station</td> </tr> <tr> <td>4.</td> <td>Reveck Hariram</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>Donald mabada</td> <td>DWS</td> </tr> <tr> <td>7.</td> <td>Musa Luhlanga</td> <td>DARDLEA</td> </tr> <tr> <td>8.</td> <td>Surgeon marebane</td> <td>DARDLEA</td> </tr> </tbody> </table>	No	Name	Organization	1	Mashudu Gangazhe	Msobo Coal	2	Simon Mporetji	Rand Water	3	Lutho Totsa	Eskom Tutuka Power Station	4.	Reveck Hariram	Rand Water	5.	Nicolene van der Walt	Rand Water	6.	Donald mabada	DWS	7.	Musa Luhlanga	DARDLEA	8.	Surgeon marebane	DARDLEA	<i>All</i>
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4.	Minutes of the Previous Meeting Corrections <table border="1" data-bbox="199 1258 1165 1384"> <thead> <tr> <th>Page</th> <th>Item</th> <th>Statement/word</th> <th>Corrections</th> <th>Reason</th> </tr> </thead> <tbody> <tr> <td>None</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Page	Item	Statement/word	Corrections	Reason	None										<i>All</i>												
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5.	Matters Arising from the Previous Minutes <ul style="list-style-type: none"> There was a complaint with regard to Breyten WWTW, Mr Senzo Nyathikazi to investigate and report at the next forum meeting. Mr. Nyathikazi requested to give feedback under his presentation on CME DWS Nelspruit Office to present the state of WWTWs in the Grootdraai catchment. 	<i>S Nyathikazi/DWS</i> <i>L Mabona/DWS</i>																											
6. 6.1	Additions to the Agenda <ul style="list-style-type: none"> Presentation on proposed piggery and abattoir project 22km east of Amersfoort Presentation on proposed storm water management project along the railway line near Majuba power station 																												

<p>7. 7.1</p>	<p>Items for discussions Rand Water</p> <ul style="list-style-type: none"> • The representative gave a presentation on water monitoring results (copy of the report was given to forum members; he also mentioned that the results are also available on the reservoir website. • He indicated that the report is based on the Vaal barrage catchment executive committee guidelines • At a glance the whole catchment by acidic and high conductivity water • Where there is blanks on the report is because the river is non-perennial so there could not sample because there is no flow • The Vaal river at Standerton and Leeuspruit sampling sites is characterized by low conductivity • They don't speculate on the causes of high or low values but will let the forum decide on the causes. • Question was asked why are Rand Water is only presenting the results and not saying what may be the cause for noncompliance of some sampling areas, it was answered that it for them to know what is the status of the water resource but any entity (DWS, Municipality, Rand water or any person can do an investigation into what may be the cause of pollution • Second part of the presentation is sewage works which shows compliance and noncompliance on some values • It was indicated that the reports must not show as blanks for both non perennial streams and non-detectable results, there should be a way to show non perennial and non-detectable maybe put legend on the report • It was indicated that the results should be re4ad with the guidelines which are available on the website 	<p>Rand Water</p>
<p>7.2</p>	<p>DWS Water Quality Management</p> <ul style="list-style-type: none"> • The representative gave a presentation on water monitoring results (copy of the report was given to forum members). • Some of the results for certain months were not available as Sampling was not done due to logistical issues in the department • There was high conductivity for chlorite and ammonia at Amersfoort sewage works • There are Sampling points which are of high concern for the department which include humanspruit downstream of delta mine, witbankspruit at usuthu mine as is also indicated on the report that most of the variables are in red, but if things go according to plan the department is proposing to conduct a study to come with a strategy to deal with the situation, and the department's head office is also willing to assist • A question was asked as to what has been do follow up with mines that have yet to receive water use licenses as the results show most of the variables are in the red, what have they done • Bishop indicated that they are not pointing to any mine for causing pollution and that all of the mentioned some of the mines that they have conducted site visits are not discharging water, so it must be understood that there are different kinds of pollution (point source and non-point source)currently there is no point source pollution, so it might be diffuse pollution and some of them are historical mines there may be a decant somewhere so that is where there have engaged with head office to conduct a study as mentioned • A question was asked if Amersfoort sewage works is working 	<p>Bishop Malatsi</p>

	<ul style="list-style-type: none"> • Bishop indicated that Amersfoort sewage works is currently going under some renovations and it's not known when it will be completed but hopefully it will work properly after the upgrades • A representative from Eskom indicated to bishop if there is a property that eskon has bought but there is a decant on the property, and they found it there, bishop indicated that the witbankspruit sub catchment is one of the priority area for the proposed study should they be able to secure the funds 	
<p>7.3</p>	<p>DWS Solid Waste Management</p> <ul style="list-style-type: none"> • Mr. Thya Pather send an apology for his absence, It was also indicated that he will be leaving the department at the end of the months, so they won't be any regular reports from the department, but the Mpumalanga environmental affairs will provide updates 	
<p>7.4</p>	<p>DWS Compliance Monitoring and Enforcement</p> <p>Regulation:</p> <p>Compliance Monitoring</p> <ul style="list-style-type: none"> • Compliance audit was conducted on the 08 October 2017 at Mooiplaats Colliery, at the time of the audit the mine was still under care and maintenance and the non-compliance issues were addressed in a compliance report which was send to the facility, • They also conducted a joint compliance inspection at Camden power station on the 17/18 of October 2017 and the stakeholders who attended were DWS, DEA National, DARDLEA and Gert Sibande district Municipality, the report is still to be finalized, and the non copmpliances will be addressed on the report once its finilised, and the report will be sent to the facility once finilised • A follow up site inspection was conducted at Eskom thutuka power station on the 8/9 of November 2017 the report is still to be finalized. • They received action plans from Msobo coal and Vunene usuthu mining and they be represented to the DWS committee and feedback given to the facility <p>Enforcement</p> <ul style="list-style-type: none"> • All the waste water treatment works within the Grootdraai catchment which are operated by municipalities have been engaged with and administrative action has been taken against them in the form of notices and directives and they are awaiting representation from this facilities, and they will be making follow ups soon, this include Ermelo, Breyten, and Amersfoort, • They have received complaints, and they would like to encourage forum members to come forward with precise information when reporting complains, they have received six complaints in the last quarter ranging from mines industries within the catchment and they have conducted investigations and have issued notices to some of those that have contravened with the national water act and are 	<p>Senzo Nyathikazi</p>

	awaiting representation because they still have to conduct a few studies	
8.1	<p>Catchment Activities (5 Minutes Report Back by Stakeholders)</p> <p>TUTUKA POWER STATION</p> <ul style="list-style-type: none"> • NO PRESENTATION 	
8.2	<p>CAMDEN POWER STATION</p> <ul style="list-style-type: none"> • She will be presenting a quarterly report, they had serious surface water pollution around the ash dam, this was due to the maintenance of the seepage trench which was happening at that period collection, surface water monitoring around that dam had high levels of conductivity, sulphides, aluminium and TDS, the never had the problem before because it was due to the maintenance at the time, it was the first time it happened, they didn't inform the department because they only received the report a week ago, but hey have send it to Bishop. • The ash dam is already saturated it has reached its maximum operation, there is a new facility that they will be using in two years' time, there is also a rehabilitation for the ash dam, so the area itself its highly polluted, • The have high levels of pH, Mg, Sulphate and manganese around the ah dam site • The have drilled some early detection boreholes around the ash dam to see what they pick on the groundwater is not on the shallow water, but they have picked high level as well of the monitored variables, but what they have picked up is that the area may also have been used as a dumping site but they are not dumping anymore, but they can't tell from their licences as where it was regulated but they will hire a consultant to find a specialist to do a detailed study around the area to see what was happening because it looks like there was some ash dumping • They have issue with channel c7,c3, c6 these are run off canals around the coal stock yard dam and they found they is issues of conductivity, TDS, CaSO₄ and boron, an also area around the dam • There is a new site that they have started working on which has a issues, they have submitted to Bishop about it, there is a decant on the site but they are not mining they just found the decant there, they request the department to assist on how the go about it because they didn't cause the issue, there used to be underground mining before on the property, they have bought the property for a new ash dam facility. Now its flagging on their reports so they cannot be held responsible • Mr Senzo Nyathikazi indicated that the section 19 of the national water act says that the owner or lessee operator of land of held responsible so they cannot blame others because they are the owner of the land so they will be held liable, so they should have done due diligence • A question was asked if all the monitoring points where drilled as part of the licence, it was indicated that others were drilled after the licence • It was indicated that there is a condition in the licence that they must report an incident within 24 hours after it has happened so the must not wait until they conducted studies to report the incident 	

<p>8.3</p>	<p>MAJUBA RAILWAY LINE PROJECT</p> <ul style="list-style-type: none"> • They have only four sampling points in total • It was reported that there was high alkalinity levels at kroomdraai river and at kilometer 58 a tributary of the Wilge river the site of Majuba power station • There is acceptable pH, in most of the sampling points accept for kroomdraai and downstream of KM 58 and high turbidity levels in Witbank spruit and Vaal river, maybe due to farming. • Slight improvements of results compared to previous months • They submit the water quality reports to the department 	
<p>8.4</p>	<p>MAJUBA POWER STATION</p> <ul style="list-style-type: none"> • NO PRESENTATION 	
<p>8.5</p>	<p>NEW DENMARK COLLIERY</p> <ul style="list-style-type: none"> • No presentation 	
<p>8.6</p>	<p>GOLFVIEW & LELIEFONTEIN No presentation</p>	
<p>8.7</p>	<p>MSOBO COAL (SPITZKOP AND TSELENTIS)</p> <ul style="list-style-type: none"> • They have two facilities which are Spitzkop and Tselentis • For Spitzkop there is two upstream and two downstream points and for Tselentis has only one upstream and one downstream • The upstream points have been dry for the for the past six months for spitzkop, there is no result for some of the points because they were dry • There were no pollution incidents that occurred during the quarter • They have a water use licence application for spitskop and they are in consultation with the DWS and there was an issue with the waste classification and the application is currently on hold and they will discuss with the department and also for Tselentis they have applied for a licence in 2014 and they are awaiting correspondence they are waiting for a meeting with the department • There was bio monitoring that was done in July for the dry season and will be completed in December and submit report by end February 2018, water monitoring is ongoing with surface done monthly and boreholes quarterly • There is a water use licence application which is being compiled for the duiker 15 which is in the spitzkop area which will be submitted in January • 	
<p>8.8</p>	<p>MASHALA RESOURCES (FERREIRA COA, L MINE)</p> <ul style="list-style-type: none"> • The mine has being mined out, between Ermelo and Vunene, since 2013 it has not been operational, monitoring has been done in the last few years to see if there is any pollution or decant and so far there is nothing, they inspect the area monthly, the biggest concern is the upstream of the witbunkspruit were there is sewage pollution from the informal settlement 	<p><i>L. Marais</i></p>
<p>8.9</p>	<p>MOOIPLAATS COLLIERY</p> <ul style="list-style-type: none"> • The water quality is safe, but they are experiencing problems with sulphates, EC and low pHs, • Most of the monitoring points are on the witbunk spruit 	<p>Jaco</p>

8.10	UMLABU COAL MINE No presentation	
8.11	VUNENE COAL MINE (Usuthu Colliery) <ul style="list-style-type: none"> • Old underground mining they have stope open cast mining but may start again next year • Upstream point is at thje witbunkspruit and another upstream point is on the humanspruit • The results shows that there is an impact from coal mining as there is high sulphates, conductivity pH • The have an internal sewage works which they are monitoring • The quality at the witbunkspruit is better, so they are suspecting that the blue substance in the water may buy diluting the water • There was a decant of water but it was of good quality but currently it has stopped • They also required to do heavy metal monitoring as per the water use licence • They have updated their geohydrological study, and the have submitted their bio-monitoring results to the department 	
8.12	PENUMBRA COAL MINING <ul style="list-style-type: none"> • They started mining in 2010, but put under care and maintenance in 2015 then resumed mining in November • They have two water use licenses one is for delta and the other for penumbra • They only started monitoring in September due to financial constrains • Water Quality at is in withing the limits in penumbra. • Water quality at delta area is very poor • Old Loubert Colliery decanting into the humanspruit remain a concern Old Loubert Colliery and decide on the way forward. Feedback will be given at the next meeting. 	
8.13	THUTSI COLLIERY <ul style="list-style-type: none"> • Absent with no apology. 	
8.14	IMBABALA COAL MINE <ul style="list-style-type: none"> • Absent without apology. 	
8.15	Govan Mbeki Municipality <ul style="list-style-type: none"> • Absent with no apology. 	
8.16	GERT SIBANDE DISTRICT MUNICIPALITY <ul style="list-style-type: none"> • Absent with no apology. 	
8.17	MSUKALIGWA MUNICIPALITY <ul style="list-style-type: none"> • Absent with no apology. 	

8.18	PIXLEY KA SEME MUNICIPALITY <ul style="list-style-type: none"> Absent without apology. 	
8.19	LEKWA LOCAL MUNICIPALITY <ul style="list-style-type: none"> Absent with no apology. 	
8.20	Department of Mineral Resources <ul style="list-style-type: none"> Absent without apology. 	
8.21	DARDLEA Pollution and Waste Management <ul style="list-style-type: none"> On the 20 September a truck overturned and spilled 6000 liters of sulphuric acid fortunately it was attended to, on the same date on the R23 Amsterdam road there was another spillage but was not sure what was spilled because it went over the stream near by On the 25 of October a truck collecting oil in Evander experienced problems with its machine and spilled oil in to the stormwater drainage but they are taking care of it There was a compliance inspection on the 6 of September with IUCM, DWS and Gert Sibande district municipality at Vuka Comondale, a report has already been completed There is a planned inspection at Standerton landfill site with DEA due to non-compliance Met with Msugalikwa municipality with regard to Breyten landfill site but they have secured funding from one of the mining companies. They have opened a criminal case against Ermelo landfill site and also issued a directive, the site is operated by a private company, but the municipal manager is the second respondent 	
9	Water Use License Status To present in the next meeting	
10	<u>Pollution incidents</u> No pollution incidents reported	
11	WASTE WATER TREATMENT WORKS (WWTW) TASK TEAM <ul style="list-style-type: none"> Mr Matseba says he sent Bishop and Amo to discuss the issues with the waste water treatment works, and it was reported in the last meeting, the plan was to find out what is the plan from the colleagues in Mpumalanga with regard to the status of the waste water treatment works they are yet to receive a report from Mpumalanga 	
12	Catchment Management Agency Process <ul style="list-style-type: none"> Mr E Matseba indicated that the minister was requested by treasury to reduce the number of institutions which will report to her, a task team was formed to look if will still have nine CMAs or if there will be reductions, to give feedback in the next meeting. 	

13	Additions to the agenda	
13.1	Proposed development of piggery <ul style="list-style-type: none"> the WeGROw farming enterprises is proposing to develop 9600 sow piggery unit and also a dam upgrade they want to apply for as water use licence and an environmental licence the farm is located 20 Km from Amersfoort there have done a number of studies and plans to be submitted for application for authorization the presenter was advised to liaise with bishop and Amo so that they can advise on the information required before submitting the water use license application 	
13.2	Storm water management project along majuba rail Palmford line <ul style="list-style-type: none"> the plan is rehabilitate the storm water management structure to raise it so does not flood the rail way there is a small stream at the project site which may trigger a Water use the presenter was instructed to consult environmental affairs to check if they trigger any authorization 	
14	Next Meeting 27 February 2018, venue to be announced.	<i>All</i>
15	Closure Mr. Mabona thanked everyone for participating, also thanked DARDLEA for hosting. The meeting was adjourned at 13H30.	<i>Chairperson</i>

Appendix I

Water Use Licence Status

No	Name	Status	Comments

Appendix II

Acronyms

EC	Electrical conductivity
NH3	Ammonia
pH	Percentage of Hydrogen
SS	Suspended Solid
WWTWs	Waste Water Treatment Works
DWS	Department of Water and Sanitation
DMR	Department of Mineral Resources
DARDLEA	Department of Agriculture, Rural Development, Land and Environmental Affairs
CMA	Catchment Management Agency

WRC
GSDM

Water Research Commission
Gert Sibande District Municipality