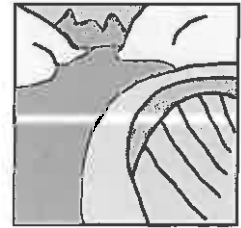


MINUTES
GROOTDRAAI DAM FORUM

22 August 2017
DARDLEA Office, Ermelo
10:00 – 13:30



No	Item	Action																								
1.	Welcome <ul style="list-style-type: none"> Mr Mangena (Acting Chairperson) welcomed everyone present at the forum meeting. 	Chairperson																								
2.	Introduction <ul style="list-style-type: none"> All the attendees introduced themselves. 	All																								
3.	Apologies <table border="1" style="margin-top: 10px;"> <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 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>Lesiba Mabona</td> <td>DWS</td> </tr> <tr> <td>7.</td> <td>Musa Luhlanga</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 Harrarim	Rand Water	5.	Nicolene van der Walt	Rand Water	6.	Lesiba Mabona	DWS	7.	Musa Luhlanga	DARDLEA	All
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4.	Minutes of the Previous Meeting Corrections <table border="1" style="margin-top: 10px;"> <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										All									
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5.	Matters Arising from the Previous Minutes <ul style="list-style-type: none"> There is a complaint with regard to Breyten WWTW, Mr Senzo Nyathikazi to investigate and report at the next forum meeting. DWS Nelspruit Office to present the status of WWTWs in the Grootdraai catchment. 	<i>S Nyathikazi/DWS</i> <i>B Malatsi/DWS</i>																								
6. 6.1	Additions to the Agenda <ul style="list-style-type: none"> None Proposed <i>A better and a p-ogeneity</i> 																									

A memo for...

<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. He reported an elevation in F, EC in Grootdraai Dam. In Ermelo WWTW, there was an elevation in NH3, Ecoli and COD. • In Witpuntspruit, there was an elevation in SO4 and low pH, due to historical mining activities. • Blesbokspruit, below Bethal WWTWs, has shown an elevation in NH3, nitrate, EC, COD, alkanity, and <i>E.coli</i>. • Rietspruit downstream of Amersfoort WWTW shown an elevation of NH3 and nitrate. • Brummerspruit downstream of Ermelo WWTW, there was an elevation in NH3, EC, CoD, Alkanity and nitrate. • It was asked why Ermelo WWTW is not operational. It was indicated that DWS Nelspruit Office was suppose to present the state of the WWTW but 	
<p>7.2</p>	<p>DWS Water Quality Management</p> <ul style="list-style-type: none"> • There is high concentration of NH3, nitrate, Ecoli at Bethal, Ermelo, Amersfoort and Breyten WWTW. Most of these facilities are not operating within their capacity due to increase in population and the means to increase their capacity is not entertained. DWS Gauteng had a meeting with DWS Nelspruit Office with regard to all WWTWs in the Grootdraai catchment. It was indicated that the Task Team will be formed to deal with these issues. It was also indicated that DWS Nelspruit was suppose to give a presentation on the state of the WWTWs but could not come. • There is also high concentration of SO4, Ec, and low pH at Humanspruit downstream of Delta mine and Witpuntspruit at Usutu mine. This is due to historical mining activities such as Loubert Colliery. 	
<p>7.3</p>	<p>DWS Solid Waste Management</p> <ul style="list-style-type: none"> • The situation with the Ermelo WDF had not improved. The site is still in a bad state. • This applies to all other WDFs within the Grootdraai Catchment. • DWS will arrange a meeting with DARDLEA and GSDM to discuss a proper way forward even though lack of funds is the cause. • All WDFs including all ash dams must be maintained with proper operational plans ito of licence conditions. • There are no external audits and internal audits undertaken and submitted as yet by the Local Authorities. 	<p>poor funds</p>
<p>7.4</p>	<p>DWS Compliance Monitoring and Enforcement</p> <p>Regulation: Compliance Monitoring</p> <ul style="list-style-type: none"> • Compliance inspection conducted to Vunene Usutu underground operation from the 06 to 07 June 2017. Non-compliances addressed in a compliance report and sent to the mine. Action plan received. • Follow-up inspection was conducted at Vunene Usutu open cast 	

	<p>operation on the 08 June 2017. Open cast mining completed, and rehabilitation to take place. The mine still non-compliant to WUL conditions and the file handed over to enforcement for further investigation.</p> <ul style="list-style-type: none"> Compliance inspection conducted at Msobo Spitzkop Colliery from the 07 to 08 August 2017. The Department is finalizing the compliance inspection report and non-compliances to some WUL conditions to be addressed in the report. Licensee expected to submit an action plan to the Department. <p>Enforcement</p> <ul style="list-style-type: none"> Proactive unannounced investigations/inspection was conducted in the catchment, the majority of facilities were found to have no illegal water use activities or pollution incidents. A handful will have administrative actions taken against them due engagement of water use actives without authorization. 	
8.1	<p>Catchment Activities (5 Minutes Report Back by Stakeholders) TUTUKA POWER STATION</p> <ul style="list-style-type: none"> It was reported that the Power Station manages two WWTWs, Tutukani and Tutuka. It was indicated that the old plant operates under the old permits, where the new plant operates under the water use licence. 	No flow
8.2	<p>CAMDEN POWER STATION</p> <ul style="list-style-type: none"> R23 – Human Spruit background water quality – water quality is very poor, due to mining operation upstream. water quality above recommended standard due to elevated EC, TDS, Ca, Mg, F NH4, Fe, Mn, Al and a very low ph. R24 - Human Spruit background water quality – water quality is very poor, due to mining operation upstream. water quality above recommended standard due to elevated EC, TDS, Ca, Mg, F NH4, Fe, Mn, Al and a very low ph. R01 – Witpuntspruit background water quality - Human Spruit background water quality – water quality is very poor, due to mining operation upstream. water quality above recommended standard due to elevated EC, F, Mn, Al and a very low ph. 	
8.3	<p>MAJUBA POWER STATION</p> <ul style="list-style-type: none"> It was reported that there was high elevation of EC, SO4, pH, Cl in some groundwater monitoring points, and investigation is underway to check the plume migration. 	No flow
8.4	<p>MAJUBA RAILWAY LINE PROJECT</p> <ul style="list-style-type: none"> It was reported that the earth works is complete. There was high elevation in Turbidity, pH and Alkalinity. An improvement in alkalinity levels was noted at Witbankspruit. Low pH reading in most of the water courses (both upstream and downstream) 	

8.5	NEW DENMARK COLLIERY <ul style="list-style-type: none"> It was reported that the mine is under the new ownership known as Seriti Consortium where the transfer process will be complete by December 2017. Eskom will transfer all the contracts to the new owners. Closure and rehabilitation will then be under the new ownership. 	No show
8.6	GOLFVIEW & LELIEFONTEIN <ul style="list-style-type: none"> Absent without apology 	No show
8.7	MSOBO COAL (SPITZKOP AND TSELENTIS) <ul style="list-style-type: none"> Absent with apology 	✓
8.8	MASHALA RESOURCES (FERREIRA COAL MINE) <ul style="list-style-type: none"> The mine is not operational for several years– all water monitoring taking place monthly and quarterly. There are no activities taking place except for monitoring. It was reported that water quality has improved in the last quarter due to natural processes. 	L. Marais
8.9	MOOPLAATS COLLIERY <ul style="list-style-type: none"> The mine is under care and maintenance. It is not known as to when operation will resume. 	blue water
8.10	UMLABU COAL MINE <ul style="list-style-type: none"> The mine is under care and maintenance. 	
8.11	VUNENE COAL MINE <ul style="list-style-type: none"> The quality of the Witpunspruit upstream of Vunene very poor. Blue water downstream from Vunene in the Witpunspruit will be investigated further and feedback provided at the next forum meeting. 	
8.12	PENUMBRA COAL MINING <ul style="list-style-type: none"> Water Quality at Penumbra Shaft is in order. Old Loubert Colliery decanting into the Witpunspruit remain a concern. Representatives from DMR, DWS and Council for Geoscience will be conducting a site visit on the 31 August 2017 to investigate the 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"> The mine is under care and maintenance, there are no activities. 	
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"> A Mangena gave a presentation, indicating that the plant is complying in three (3) parameters which are biological, chemical and physical. 	

	<ul style="list-style-type: none"> ▪ Chemical complied by 80 % in June and July. ▪ Physical complied by 80%. ▪ Microbiological complied by 53%. • All Pump stations are operational, except for EXT 4 and No 1 First Street. It was not operational since 18 August 2017. • No 1 first street pump station not operation since 15 August 2017. 	
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"> • No representative. 	
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"> • The representative indicated that the oxidation ponds in Morgenzon remain the threat to the water resource, and funds are requested to improve the situation. The official to provide feedback in the next forum. • The pump stations are operating. 	
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"> • There was a complaint in Ermelo landfill site because of burning of waste taking place at the site. • Investigation is underway. • There was a complaint about Breyten WWTW, site visit to be planned with DWS. 	
9	Water Use License Status See Appendix I	
10	<u>Pollution incidents</u> Addressed per agenda.	
11	WASTE WATER TREATMENT WORKS (WWTW) TASK TEAM <ul style="list-style-type: none"> • Information to be provided at the next forum. 	
12	Catchment Management Agency Process <ul style="list-style-type: none"> • Mr E Matseba indicated that as previously mentioned the Vaal CMA has been Gazetted, but there is labour issues with regard to staff transfer. 	
13	Additions to the agenda None	

14	Next Meeting 21 November 2017, venue to be announced.	<i>All</i>
15	Closure Mr Mangena 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
1.	Centaur De Roodepoort (Pty) Ltd	In process	Application lodged on the 30 November 2016.
2.	La Brie Mine	In process	Application lodged on the 24 February 2017.

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	Water Research Commission
GSDM	Gert Sibande District Municipality