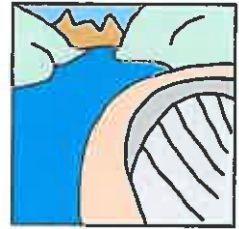


MINUTES GROOTDRAAI DAM FORUM

21 February 2017
DARDLEA Offices, Ermelo
10:00 – 13:30



No	Item	Action																														
1.	Welcome <ul style="list-style-type: none"> M Gangazhe (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 1169 1223"> <thead> <tr> <th>No</th> <th>Name</th> <th>Organization</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Lesiba Mabona</td> <td>DWS</td> </tr> <tr> <td>2</td> <td>Luvuyo Nqelenga</td> <td>DWS Gauteng Provincial Office</td> </tr> <tr> <td>3</td> <td>Malekgoa Sejake</td> <td>Eskom</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>Kgadi Moremi</td> <td>New Denmark Colliery</td> </tr> <tr> <td>7.</td> <td>Musa Luhianga</td> <td>DARDLEA</td> </tr> <tr> <td>8.</td> <td>David Van Der Merwe</td> <td>Umlabu and Mooiplaats Collieries</td> </tr> <tr> <td>9.</td> <td>Louis Marais</td> <td>Mashala Resources</td> </tr> </tbody> </table>	No	Name	Organization	1	Lesiba Mabona	DWS	2	Luvuyo Nqelenga	DWS Gauteng Provincial Office	3	Malekgoa Sejake	Eskom	4.	Reveck Harrarim	Rand Water	5.	Nicolene van der Walt	Rand Water	6.	Kgadi Moremi	New Denmark Colliery	7.	Musa Luhianga	DARDLEA	8.	David Van Der Merwe	Umlabu and Mooiplaats Collieries	9.	Louis Marais	Mashala Resources	<i>All</i>
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4.	Minutes of the Previous Meeting Corrections <table border="1" data-bbox="204 1301 1169 1574"> <thead> <tr> <th>Page</th> <th>Item</th> <th>Statement/word</th> <th>Corrections</th> <th>Reason</th> </tr> </thead> <tbody> <tr> <td>5</td> <td>8.16</td> <td>Numbering</td> <td><i>Repeated twice</i></td> <td><i>incorrect</i></td> </tr> <tr> <td>5</td> <td>8.19</td> <td>Numbering</td> <td><i>Repeated twice</i></td> <td><i>incorrect</i></td> </tr> <tr> <td>7</td> <td>Appendix 1</td> <td>Smit Colliery</td> <td><i>La Brie Mine</i></td> <td><i>incorrect</i></td> </tr> </tbody> </table>	Page	Item	Statement/word	Corrections	Reason	5	8.16	Numbering	<i>Repeated twice</i>	<i>incorrect</i>	5	8.19	Numbering	<i>Repeated twice</i>	<i>incorrect</i>	7	Appendix 1	Smit Colliery	<i>La Brie Mine</i>	<i>incorrect</i>	<i>All</i>										
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5.	Matters Arising from the Previous Minutes <ul style="list-style-type: none"> Mines ceasing operation without DWS knowledge. Mr E Matseba to consult Marius Keet and Standard Macevele regarding closure of mines. E Matseba to find out about the matter concerning the venue for the forum. 	<i>DWS/E Matseba</i> <i>DWS/E Matseba</i>																														
6. 6.1	Additions to the Agenda <ul style="list-style-type: none"> Sanitation policy. 																															

<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. • Mr Davel, did raise a concern on WWTWs indicating that they create a negative impacts in to the water resources thus creating a challenge to Agricultural industry which can affect food production in the country. • Mr E Matseba highlighted that DWS has allocating funds aiming at improving the quality of water in the resources but facing challenges from Municipalities. 	
<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. It was indicated that there is renovations occurring in Ermelo WWTW. • 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. • High level of SO4 and Ec at Spruit at Spitzkop. • Stakeholders suggested that pictures of sewer manholes and blockages be sent to Municipal top management to sensitize them about the impacts arising from these facilities. 	
<p>7.3</p>	<p>DWS Solid Waste Management</p> <ul style="list-style-type: none"> • Absent with apology 	
<p>7.4</p>	<p>DWS Compliance Monitoring and Enforcement</p> <p>Regulation: Enforcement</p> <p>The representative gave a feedback on the following:</p> <ul style="list-style-type: none"> • Business case of the Directorate delivered, stakeholders encouraged to report illegal water use activities. <p>Regulation: Compliance Monitoring</p> <ul style="list-style-type: none"> • It was reported that an audit was conducted at Ferreira coal mine, and Bethal WWTW. 	

8.	Catchment Activities (5 Minutes Report Back by Stakeholders)	
8.1	TUTUKA POWER STATION <ul style="list-style-type: none"> No representative, apology sent. 	
8.2	CAMDEN POWER STATION <ul style="list-style-type: none"> No representative, apology sent. 	
8.3	MAJUBA POWER STATION <ul style="list-style-type: none"> It was reported that there was high elevation of EC, SO₄, pH, Cl. It was also reported that the Power Station is in the process of extending the current ash disposal facility, and will engage with the Department to sort some minor issues. 	
8.4	MAJUBA RAILWAY LINE PROJECT <ul style="list-style-type: none"> 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 had an elevation in SO₄, EC, Ca, Mg and this arises from the stock piles. In terms of new development at the mine, North shaft has been commissioned in March 2017. Mr A. Shibambo recommended that, the mine must consider the possibility of drilling additional groundwater monitoring holes in close proximity of pollution potential causing facilities supported by geophysical survey analysis. Such an exercise will compliment an existing groundwater monitoring network (in closing gaps where applicable). 	
8.6	GOLFVIEW & LELIEFONTEIN <ul style="list-style-type: none"> Absent without apology 	
8.7	MSOBO COAL (SPITZKOP AND TSELENTIS) <ul style="list-style-type: none"> M Gangazhe gave a presentation for indicating that there was an elevation in SO₄, EC, TDS in November 2016. He further reported that there are mined out areas which might contribute to water contamination in the mine. He highlighted that there was no pollution incidence occurred during the past quarter. He also indicated that the mine is still waiting for the Department Engineering Services to discuss the lining matters for their application. 	
8.8	MASHALA RESOURCES <ul style="list-style-type: none"> No representative, apology sent. 	
8.9	MOOIPLAATS COLLIERY <ul style="list-style-type: none"> No representative, apology sent. 	
8.10	UMLABU COAL MINE <ul style="list-style-type: none"> No representative, apology sent. 	
8.11	VUNENE COAL MINE <ul style="list-style-type: none"> The Human Spruit entering Vunene is already showing poor water quality as 	

	<p>a result of the decanting Old Loubert Colliery</p> <ul style="list-style-type: none"> Downstream the water quality improves No other major concerns 	
8.12	<p>PENUMBRA COAL MINING</p> <ul style="list-style-type: none"> Up and Downstream water quality at the Penumbra Shaft is within the WUL water quality limits The geochemistry studies at the Penumbra shaft indicates the potential to generate acid mine drainage and therefore it must be ensured that the water quality is monitored and mitigation measures implemented Water quality being discharged from the Old Loubert Colliery is very poor causing the downstream water quality in the Humanspruit to be poor. The water contained in the lined Pollution Control dams at the Delta area is of a very poor quality and it must be ensured that this water remains contained. 	
8.13	<p>THUTSI COLLIERY</p> <ul style="list-style-type: none"> The mine is under care and maintenance, there are no activities. 	
8.14	<p>IMBABALA COAL MINE</p> <ul style="list-style-type: none"> Absent without apology. 	
8.15	<p>Govan Mbeki Municipality</p> <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. He indicated that there was an elevation of Ecoli, COD and faecal coliforms. It was further highlighted that from 10 (ten) pump stations which are in Bethal, there are those which are giving challenges which are Cow Village, Ext 5 and Ext 4 due to trapping and Eskom power failures. 	
8.16	<p>GERT SIBANDE DISTRICT MUNICIPALITY</p> <ul style="list-style-type: none"> <i>Absent without apology</i> 	
8.17	<p>MSUKALIGWA MUNICIPALITY</p> <ul style="list-style-type: none"> Absent without apology. 	
8.18	<p>PIXLEY KA SEME MUNICIPALITY</p> <ul style="list-style-type: none"> Absent without apology. 	
8.19	<p>LEKWA LOCAL MUNICIPALITY</p> <ul style="list-style-type: none"> The representative indicated that there are challenges with regard to the oxidation ponds in Morgenzon. It was further indicated that they applied for funding from the Department and still waiting for the response. 	
8.20	<p>Department of Mineral Resources</p> <ul style="list-style-type: none"> Absent without apology. 	
8.21	<p>DARDLEA Pollution and Waste Management</p> <ul style="list-style-type: none"> It was reported that the Department conducted a joint site inspection with DWS in Lekwa, Mkhondo and Dipaliseng Local Municipalities. The joint site inspection was on the WWTWs. It was indicated that there were non compliances in the plants 	

9	Water Use License Status See Appendix I	
10	Pollution incidents 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"> L Mabona indicated that as previously mentioned the Vaal CMA has been Gazetted, currently DWS is consulting with the affected employees. 	
13	Additions to the agenda Sanitation policy <ul style="list-style-type: none"> It has been reported that the policy has been accepted by the cabinet on the 7th December 2016. The policy deals with when there is a disaster, how does the responsible authority provide sanitation. General <ul style="list-style-type: none"> La Brie Mine represented by Julien Cassinga and Stephen Hinckley volunteered to host the next forum. 	La Brie Mine
14	Next Meeting 23 May 2017, venue to be announced.	<i>All</i>
15	Closure M Gangazhe thanked everyone for participating, also thanked DARDLEA for hosting and adjourned the meeting at 13H30.	<i>Chairperson</i>

Appendix I

Water Use Licence Status

No	Name	Status	Comments
1.	Eskom Camden Power Station	New application	Application lodged on the 18 January 2017.
2.	Centaur De Roodepoort (Pty) Ltd	In process	Application lodged on the 30 November 2016.
3.	La Brie Mine	New application	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