

WATERVAL FORUM MINUTES (Reference: 2019/05)

STATUS OF MINUTES: FINAL

MEETING DATE: 23 May 2019

NO.	ITEM	PERSON PROVIDING FEEDBACK
1	<p>WELCOME Mr. Mangena welcomed all attendees to the Waterval Catchment Forum Meeting.</p>	Chairperson
2	<p>INTRODUCTION OF ATTENDEES All attendees introduced themselves while the attendance register was circulated.</p>	All
3	<p>APOLOGIES Refer to the attendance register.</p>	All
4.	<p>MINUTES OF THE PREVIOUS MEETING – CORRECTIONS Pg 2, Item 5. Paragraph 3: C. Khwani mentioned that the new regulation he was referring to is regulation 1147 which talks about the financial provision for mining activities.</p> <p>Pg 4, Paragraph 2: RESM 1 and RESM 7 performed relatively well with regards to Conductivity for the months of November and December. J. Linde further said that the DWS water quality data shows that conductivity only exceeded the limit once but there were no exceedances in the Sasol Synfuels data.</p> <p>Pg 8, Item 14. Paragraph 1: A. Jankowitz mentioned that the item should be captured as 2019 meeting dates.</p>	All
5	<p>MATTERS ARISING FROM THE PREVIOUS MINUTES</p> <p>Action 1: T. Mabizela was not present in the meeting therefore the action will be carried over to the next forum.</p> <p>Action 2: A. Mangena reported that he is still working on the document (Finalized GMM water quality report) and he will provide feedback in the next meeting. J. Linde also reported that he had a meeting with Mr Mangena to discuss the document in question however he has not commented on the document as yet but he will populate his inputs and send back the document to the chairperson.</p> <p>Action 3: T. Baloyi reported that she has not been able to liaise with the Department of Mineral Resources Mpumalanga to find out the status of the availability of funds for rehabilitation of mines. T. Baloyi to provide feedback in the next meeting.</p> <p>Action 4: T. Baloyi reported that she had discussions with Mr Lucky Msibi from Dipaleseng Local Municipality and the outcomes of their discussions was that she</p>	

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	<p>was told that the function for registrations for WWTWs is not the responsibility of the Gauteng Office but the Mpumalanga office therefore it is difficult to issue a notice to Nthorwane WWTWs because the functions are not within the Gauteng office. T. Baloyi further said that she will continue to liaise with the Mpumalanga Office ensure that they continue with the registrations.</p> <p>Action 5: Z. Gebhardt reported that she spoke with Mr Thabo Manganye from IT section and he mentioned that it difficult to provide information management system to stakeholders as there are security issues with regards to stakeholders being able to access DWS systems. Mr Matseba further mentioned that there are procedures and protocols to be followed in order to grand someone from the outside access to the system therefore it is rather difficult to create such platform for stakeholders. Mr Matseba further said that pollution incidents are reported in the forums but if the pollution is of a critical nature should perhaps be escalated to the district disaster management.</p> <p>A. Jonkowitz mentioned that there is no proper reporting system and all the pollution incidents reported in the forum are not even a quarter of all the pollutions happening within the catchment. Mr Matseba said that if stakeholders do not report pollution incidents then they must not complain and in addition to that he said that section 19 of the National Water Act clearly states that that failure to report pollution incidents makes you an accessory and complicit to the pollution happening within the Waterval catchment.</p> <p>I. Erasmus asked if there are certain limits of pollution which should be reported at the forum or if all pollutions should be reported irregardless of their criticalness. Mr Matseba explained that any pollution should be reported at the forum but other pollutions of critical nature should be report the disaster management.</p> <p>Action 6: T. Baloyi reported that she did not get hold of anyone at Brendan village but further to the conducted investigation, there is no construction of a sewage works identified at the area. T. Baloyi further asked Mr Jankowitz to provide details of the location where the construction is taking place so that further investigations can be conducted. A. Jankowitz mentioned that there is a need for proper reporting system so that such incidents can be reported there.</p> <p>Z. Gebhardt mentioned that running a reporting system or a webpage on the internet is not a bad idea but it is time consuming and requires a lot of extra work because IT specialists would have to be involved and someone would have to constantly monitor the webpage to decide which of the information posted into the system is allowable or not. Opening a webpage on the internet would means that someone has to pay for it and there is a lot of administration which comes with</p>	

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	<p>it.</p> <p>Z. Gebhardt mentioned that in the other catchment forums they have created a central Google group email in which all forum members are added into the group to receive invitations to attend the forum. Among other things, the group is aimed at ensuring that there is better communication and effective information sharing among stakeholders. Forum members can circulate their water quality reports and other important information to the Google group and the email automatically goes to everyone added in the group. Members do not have to wait for the forum date to share information and also to report cases.</p>	
6	ADDITIONS TO THE AGENDA	
6.1	Unlicenced mines	
6.2	RWQOs	
6.3	SAAIQ	
6.4	Waste Water dam levels within Sasol Secunda	
6.5	Sasol water discharge into the Klipspruit from the API dam	
6.6	Waste Water Treatment Works and timeframe for fixing	
7	CORRESPONDENCE No correspondence	J. Linde
8	FINANCE There was no expenditure in the past quarter and there is approximately R22 000 in the Waterval forum account. J. Linde further mentioned that no one is able to withdraw from the account. The money in the account decreases every month as the banking charges exceed the account interest.	J. Linde
9	NEWSLETTERS There is no one focusing on the newsletter at this point but the item will remain in the agenda until such time there is something to report.	J. Linde
10	FEEDBACK FROM STAKEHOLDERS	
10.1	<p>Rand Water Mr R. Hariram presented a brief report for Rand Water from the period April 2018 to March 2019 and highlighted the following:</p> <p>Point WAW almost all the variables shows non-compliance because Rand Water still uses the Vaal Dam Water quality guidelines but hopefully the guidelines will soon be revised. Results indicates that there is an improvement in Ammonia, COD, Chloride, Conductivity, Alkalinity and Phosphate and this is due to the dilution in the system caused by rainfall.</p>	Mr R. Hariram

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10.2	<p>Water quality at point WAT has deteriorated for this quarter as there are elevated levels of Ammonia, Nitrate, Fluoride, phosphate and Sulphate.</p> <p>Ammonia, COD and Conductivity levels had improved for this quarter at point WAR but the rest of the variables have deteriorated.</p> <p>The overall water quality at point WAE has improved significantly due to dilution by other smaller streams coming into the Waterval river.</p> <p>Water quality at point WATERVAL_VAAL has improved as compared to the previous quarter although the quality still falling within the unacceptable range. This point is downstream of point WAE but the water quality is poorer and this may be due to the fact that the lower section of the Waterval catchment is highly impacted by a lot of farming therefore there is a low volume of water hence there is no dilution.</p> <p>Evander and Embalenhle Sewage Works have struggled to comply with the required standards in terms of Ammonia and Faecal coliforms throughout the whole 4 quarters. Secunda Sewage works water quality shows an improvement with regards to ammonia as compared to the 3rd quarter but the Faecal coliform count have elevated highly in the 4th quarter.</p> <p>I. Erasmus asked if it is possible that Rand Water and Sasol can jointly take water samples at the same place and time so that the water quality results can be tested against each other to check if the results can come out more or less the same. J. Linde mentioned that Sasol does not have a problem taking water samples with different stakeholders at the same place and time but perhaps Mr Erasmus should rather wait for DWS and Sasol to present their water quality results so that he can compare the three reports to see if they are in agreement with each other.</p> <p>L. Nqelenga asked if Sasol has its own laboratory where the samples are tested or if there is an external laboratory in partnership with Sasol. J. Linde mentioned that Sasol uses its own laboratory and their laboratory also participates in the inter-laboratory comparison and their scores are within the acceptable limits. Mr Erasmus asked if Sasol only test water quality for sewage and fertilizer related chemicals and wanted to know why they do not test chemicals like mercury and vanadium.</p> <p>DEPARTMENT OF WATER & SANITATION (DWS)</p> <p>Ms T. Baloyi presented the results of the DWS water quality monitoring to the Forum members for the period January to March 2019. The following were highlighted:</p>	T. Baloyi

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	<p>Evander Gold Mines LTD: Sulphate did not comply with the required standards during the month of February at LM2 D/S of Leslie Gold Mine.</p> <p>Waterval Balfour/Standerton road: Water quality results shows that there were non-compliances of Fluoride throughout the quarter and the Faecal coliforms counts also exceeded the limit in the month of January and February but the results went back to acceptable level in March.</p> <p>Wolwefontein U/S of Vaal confluence: Conductivity and Fluoride did not comply with the required standards in January and February but the results slightly improved in the Month of March.</p> <p>LM3 @ Roodebank: Conductivity, Nitrate and Sulphate did not comply with the required standards throughout the quarter.</p> <p>WH5 D/S of Winkelhaak Gold Mine: most of the variables were non-compliant in this sampling point with Faecal coliform counts recording over 70000 CFU/100ml during the month of February but the results changed significantly to the acceptable level in March.</p> <p>LM4 U/S of the Leslie Gold mine: Overall water quality for this point was not bad although there are still challenges with regards to Conductivity, Nitrate and COD.</p> <p>Embalenhle Sewage works: the sewage works was not monitored during the month of February due to protests. All the other variables failed to comply with the required standards during the month of March except for Ammonia.</p> <p>Evander Sewage Works: There was no flow at the first outflow. There were non-compliances of Conductivity, Orthophosphate, Ammonia, Nitrate and Faecal Coliform at the second discharge point throughout the quarter.</p> <p>Brenden Village Sewage works: There was no flow at the Plant.</p> <p>Nthorwane sewage works: The Plant did not perform very well in terms of Nitrate and Faecal coliforms but the overall water quality for Nthorwane Sewage Works is ideal.</p> <p>Sasol Synfuels: RESM1 complied with the required standard throughout the quarter for all the variables. Conductivity was inconsistent throughout the quarter for RESM 7, RESM 12 and RESM 10. The Secunda sewage works complied with the required standards throughout the quarter except for the month of February in terms of Faecal coliforms.</p>	

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	<p>I. Erasmus asked why DWS does not test water samples for other chemicals. T. Baloyi mentioned that DWS test water for Uranium on a quarterly basis on some of the points and they also test water against some of the RWQOs but taking into consideration the activities happening at that period.</p> <p>I. Erasmus further asked how DWS investigate reported complaints specifically cases reported against Sasol. T. Baloyi explained that when cases are reported to DWS regarding pollution incidents, the Department will go on site to make investigations in order to prevent the incidents from reoccurring. If the complaint relates to an illegal discharge then ultimately the Department will take a water sample and have it tested against a complaint to check if whatever is being discharged has an impact on the water resource.</p> <p>I. Erasmus said that he reported a case against Sasol in July 2018 at the Department of Environmental Affairs for allegedly discharging vanadium and other chemicals and he wanted to know the outcomes of the case. Mr Nqelenga mentioned that this question should be directed to DEA since this case was reported to them therefore DWS would not know the outcomes of the investigation since the case was not reported to DWS.</p> <p>Mr Erasmus mentioned that during South African Human Rights Commission meeting he met with Mr Sibusiso Mthembu from the Department of Water and Sanitation on the 20th of February 2019 and he reported this case to Mr Mthembu and provided him with all the information and wanted to know if the investigations were conducted.</p> <p>N. Tekelo asked if the communities in Brendan Village and Evander do not have proper sanitation since the water quality results indicates that there is no flow at their Sewage works. T. Baloyi mentioned that as far as Evander is concerned, the Sewage works has two discharge points but the flow is treated only under one Sewage treatment works therefore there is no water going in or out of the other sewage works.</p>	
10.3	<p>GOVAN MBEKI MUNICIPALITY (SOLID WASTE) There was no representative at the forum meeting. Mr Hendrick has extended his apology to the forum and he will provide feedback in the next meeting.</p>	M. Chamberlain
10.4	<p>GOVAN MBEKI MUNICIPALITY WATER QUALITY REPORT Mr A. Mangena presented the GMM water quality report from January 2019 to March 2019 and highlighted the following: Evander WWTWs Compliance</p>	A. Mangena

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	<p>The plant did not comply with the required standards for the past three months in terms of Microbiological (E.coli).The plant managed to comply 88.9% in terms of physical determinants (PH) but the Electrical conductivity and suspended solids were non-compliant from January to March. In terms of chemical determinants, the plant did not perform very well from the month of January to March</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">January</th> <th style="text-align: center;">February</th> <th style="text-align: center;">March</th> </tr> </thead> <tbody> <tr> <td>Microbiological</td> <td style="text-align: center;">0%</td> <td style="text-align: center;">0%</td> <td style="text-align: center;">0%</td> </tr> <tr> <td>Physical</td> <td style="text-align: center;">99.9%</td> <td style="text-align: center;">99.9%</td> <td style="text-align: center;">66.7 %</td> </tr> <tr> <td>Chemical</td> <td style="text-align: center;">75%</td> <td style="text-align: center;">50%</td> <td style="text-align: center;">50 %</td> </tr> </tbody> </table> <p>Embalenhle WWTWs Compliance</p> <p>The overall water quality in terms of microbiological determinants (E.coli) was 66.7%. The plant managed to comply 78% in terms of physical determinants (PH and Electrical conductivity. In terms of chemical determinants, the overall water quality for the Plant is 50% for the past three months. Plant did not perform very well with regards to COD as the results where high for the past three months</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">January</th> <th style="text-align: center;">February</th> <th style="text-align: center;">March</th> </tr> </thead> <tbody> <tr> <td>Microbiological</td> <td style="text-align: center;">99.9%</td> <td style="text-align: center;">99.9%</td> <td style="text-align: center;">0%</td> </tr> <tr> <td>Physical</td> <td style="text-align: center;">100%</td> <td style="text-align: center;">66.7%</td> <td style="text-align: center;">66.7%</td> </tr> <tr> <td>Chemical</td> <td style="text-align: center;">50%</td> <td style="text-align: center;">50%</td> <td style="text-align: center;">50%</td> </tr> </tbody> </table> <p>Pump stations</p> <p>List of operational pump stations at region 2 and 3 is as follows:</p> <ul style="list-style-type: none"> - Industrial (Ext 3 Evander) - Echo - Testing ground - Workshop - Longtom - Populier - Alberta - Evander main - Kliphuis (contractor is still on site fixing the electrical faults and they are due to complete by the end of June 2019) - Ext 22 - Ext 18 <p>List of non-operational pump stations at region 2 and 3 are as follows:</p> <ul style="list-style-type: none"> - Secunda West: station was not operational since 16 May 2019 due to the vandalised pump but maintenance section reported that the pumps will be repaired within three weeks - Standerton road: station was not operational since March 2018. Still awaiting appointment of a service provider for installation of a new pump. The tender 		January	February	March	Microbiological	0%	0%	0%	Physical	99.9%	99.9%	66.7 %	Chemical	75%	50%	50 %		January	February	March	Microbiological	99.9%	99.9%	0%	Physical	100%	66.7%	66.7%	Chemical	50%	50%	50%	
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Chemical	50%	50%	50%																															

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	<p>was advertised and it closed in October 2018 therefore GMM is waiting for the appointment of a new service provider.</p> <ul style="list-style-type: none"> - Mabunda/main/ N17: Contractor is still busy on site and construction was expected to be completed on the 30th of June but the due date has been extended till further notice. - Ext 5: the pump station is experiencing power failure due to stolen electricity cables. The pump station is polluting effluent which was treated by Sasol and ultimately the effluent at Embalenhle will be affected as well. The tender has since been advertised but they still waiting for the appointment of a service provider - Ext 24: Plant was vandalised on the 10th of August 2018 and matter was reported to the SAPS. The tender has since been adverted but they are still for an appointment of a service provider. - Ext 25: station was not operational since 16 May 2018 and is awaiting appointment of a service provider for installation of a new pump and the Plant was also vandalised on the 10th of August 2018. <p>N. Ketelo mentioned that GMM provided water quality results for Evander WWTWs whereas the DWS water quality results shows that there was no flow and wanted to know how did that data come about. A. Mangena said that there are two processes of monitoring in the Evander WWTWs which are microbiological monitoring and BNR monitoring although the BNR is no longer operational hence which is the reason why samples are taken in only one discharge point.</p> <p>L. Ndlovu mentioned that the GMM report indicates a lot of environment pollution due to non-operational pumps stations and he wanted to know if there are any actions taken to sanction to Municipality for its non-compliances. Mr Mangena reported that the Municipality was issued a notice for non-compliance by DWS.</p>	
10.5	<p>EVANDER GOLD MINE (EGM) Absent with apology. The water quality report was circulated to forum members for interpretation of the results</p>	
10.6	<p>SASOL SECUNDA Table 1 on page 2, RESM 1 water quality results shows that Nitrate had exceeded the standard limits during the month of March but the cause of the exceedances could not be detected. Although the Sasol results and the DWS results were not taken at the same and place but data is in agreement with one another for this RESM point.</p> <p>RESM 7 and RESM 12 only have objectives for conductivity and there were no exceedances throughout the quarter.</p>	J. Linde

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10.7	<p>RESM 10 also has objectives for conductivity and the results shows exceedances of the limit for the whole quarter. It is important to note that the limit objective for this RESM point is scientifically incorrect. There are discussions with the regional office to revise the objectives because it is impossible to adhere to the 58mg/L limit standard.</p> <p>The Sewages works has complied with the required standards for all the other variables except for Faecal coliform because the limit standard for the F.coli is 0 CFU/100ml but the counts are fairly low.</p> <p>Sasol embarked on a project to build a chlorination contact tank and they used DN509 to do a risk assessment and indeed the risks were low therefore the building of the chlorination tank was commissioned. The risk assessment was done by an independent specialist and It was submitted to the Department and the Department indicated that they want the risk assessment to be included as part of the licence as they are not intending to issue Sasol with a GA.</p> <p>Downstream catchment (RESM 18) is not part of the monitoring requirement for Sasol but there are water quality limits at this point. The aim of including RESM 18 in the results is to show forum members how the water quality looks like in the downstream catchment.</p> <p>Overall water quality for the Waterval catchment shows that there are still challenges with Aluminium and Phosphate.</p> <p>J. Linde mentioned that in terms of the construction of the medium term vanadium dam there was public participation and the EIA process was followed and both DWS and DEA visited the site and environment authorisation requirements were adhered to. A monitoring committee needed to be established to oversee the project however the Terms of reference(T.O.R) for the monitoring committee is approved by DEA and in this instant DEA has not approved the T.O.R yet therefore Sasol cannot continue with the monitoring committee if terms of reference are not approved.</p> <p>In terms of dam levels, Sasol has never released any effluent from their dams and pipeline which goes into the over pond is not in use. Sasol will make available information regarding management of their dams.</p> <p>SASOL MINING</p> <p>There were no reportable water related incidences in the last three months. There is nothing major to report but there are minor incidents were experienced at Sasol Mining but Sasol is not required to report them in the forum.</p>	B. Mndawe

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	<p>A. Jonkowitz asked if Sasol Mining decides by itself if an incident is reportable or not, further to that he said that the road was barricaded for a day next to Embalenhle because a truck had turned over and it was causing serious spillages therefore every incident should be reported at the forum.</p>	
10.8	<p>TAUNG GOLD Absent without apology</p>	
10.9	<p>FARMERS UNION/COMMUNITY.</p> <p>I. Erasmus said that according to the waste management licences issued by DWS and DEA, any company which sub-contracts another company to remove waste for them then it means that company is responsible for ensuring that the sub-contracted company disposes off waste within a correct manner. With regards to the overturned truck next to Embalenhle, Sasol is still responsible for that company's spillages and negligence because they are sub-contracted to them.</p> <p>N. Van der Walt mentioned that she spoke with officials from product stewardship regarding the truck that had over turned and they indicated that they know about the Engen truck which usually comes to collect fuel on site therefore it might be them.</p> <p>A. Jankowitz said that forum members are not taking the Waterval forum seriously and their attitude towards the issues raised in the forum is not satisfying. A Jankowitz also mentioned that a while ago Sasol withdrew their officials from continuing with their activities and they admitted that they contribute to the pollution and spillages happening in the nearby areas but still they were issued with a licence for air quality.</p> <p>A. Jankowits mentioned that he previously requested that Sasol should stop all their new developments until the issues of pollution are resolved within Secunda but nothing is happening and even the media refuse to talk about it because they feel it would be catastrophic for Secunda. Mr Jankowitz further said that the dam level at the Sasol over pond has increased which means there is effluent coming into the dam and he added that lining activities were taking place recently. Mr Jankowitz said that Sasol should therefore provide current levels, capacity and water quality of all their dams.</p> <p>Mr Matseba mentioned that before industries can undertake any activities which require regulatory approvals then they need to undergo assessment before approval can be granted and if some of those activities require a waste dam then lining of the dam should take place according to specifications.</p>	

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	<p>I. Erasmus mentioned that there was an advertisement in 2016 in the Richtimes newspaper by Sasol for the construction of a medium term vanadium storage dam but the council which was supposed to be commissioned to independently monitor the dam was never established but that dam was still constructed and waste was stored there.</p> <p>F. Mamabolo said that she has no knowledge of the dam and she has no clarity as to why was the dam built without approval or public consultation but maybe there is a need to make follow up with the Department of Environmental Affairs to check if that activity was falling under the regulated activities that would force them to undergo the EIA process.</p> <p>I. Erasmus asked if there were any measures taken by DWS to investigate the issue of Vanadium dam construction and further asked if the DWS ever visited the dam to take samples because the matter was reported.</p> <p>L. Nqelenga said that Sasol was one of the mines which Compliance Monitoring and Enforcement unit identified to conduct audits at. As part of the Sasol licence conditions they are authorized for closed storage, disposal and also to discharge but there are certain limits which they must adhere to. Compliance audit was conducted at Sasol and the findings were that Sasol had non-compliances which led to the Department drafting a report to Sasol inform them of their non-compliances and further requested them to provide mitigation strategies.</p> <p>L. Nqelenga mentioned that with regard to the Vanadium discharge, the complaint was first raised between 2016/2017 and the Chief Director at DWS assigned Dr Khorommbi to communicate with the complainant formally so that the complainant can show officials where discharge is supposedly happening but the meeting never happened. DWS also had a meeting with DEA to evaluate the complaint so that a criminal case can be opened but the complainant declined to provide further information therefore prosecution could not go further.</p> <p>I. Erasmus said that the statement that he did not respond to the Department when he required to provide further information is not true and he was never requested to provide an affidavit or supporting information. I. Erasmus further said he can provide all the documentation and proof to the media and Government entities to substantiate his claims as he has worked in the Plant for 15 years.</p> <p>L. Nqelenga asked Mr L. Erasmus to provide his contact details so that they can meet outside the forum to prepare necessary paperwork to open a case.</p>	

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10.10	<p>BRENDAN VILLAGE No representative.</p>	
10.11	<p>DWS CME L. Nqelenga reported that a Compliance audit was conducted at Sasol and the findings were that Sasol had non-compliances which led to the Department issuing two notices to Sasol. The Department is still awaiting representation from Sasol since they requested an extension. Sasol has been given a timeframe of until the 30th of May 2019 to submit their presentation.</p>	L. Nqelenga
11	<p>DWS WATER USE LICENSE STATUS Ms F. Mamabolo presented the status of the catchment WUL for the following applicants:</p> <ul style="list-style-type: none"> • Transnet pipeline gabion: Protection of the pipeline gabion protection structure on the banks of a drainage channel; application is on the initial assessment. • Sasol SA Fad 6: the amendment is still in the process • Shondoni amendment: still in the process • Impumelelo amendment: undergoing assessment 	Ms F. Mamabolo
12	<p>CMA PROCESS M. Matseba reported that a meeting was held on Friday the 3rd of May at DWS Head Office and the outcomes of the meeting was that the advisory committee will meet and draft a job advertisement to appoint board members then hand it over to the Minister for consideration.</p>	M. Matseba
13 13.1	<p>DISCUSSION OF ADDITIONS TO THE AGENDA Unlicenced mines Mr Jankowitz was not around to address the item.</p> <p>Mr L. Nqelenga mentioned that if there are any complaints regarding illegal mining in terms of water uses around Waterval catchment then the complaints should be directed to DWS further investigation.</p>	L. Nqelenga
13.2	<p>Resource Water Quality Objectives for the Waterval Catchment. Detailed presentation will be circulated to forum members once all the required data has been accumulated.</p> <p>Mr Linde appreciated the presentation and thanked Mr Van Wyk for the excellent work done on the presentation.</p> <p>Mr Van Wyk requested everyone who has the necessary data to send to him so that he will be able to complete the process for determining the Resource Water Quality Objectives for the Waterval Catchment.</p>	J. Van Wyk

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	<p>The following items will be carried over to the next meeting as additions to the agenda :</p> <ul style="list-style-type: none"> • Unlicensed Mines • SAAQI • Waste Water dam levels within Sasol Secunda • Sasol water discharge into the Klipspruit from the API dams • Waste Water Treatment Works and timeframes for fixing 	
14	<p>2019 MEETING DATES Dates of next meetings for 2019 are as follows:</p> <ul style="list-style-type: none"> • 22 August 2019 • 21 November 2019 	
15.	<p>CLOSURE OF MEETING All attendees were thanked for attending and the meeting was adjourned.</p>	A. Mangena

Appendix A.
WaterVal Forum meeting Action list
23 May 2019

	Action	RESPONSIBLE PERSON	Action identified	DUE DATE
16.1	Mr T Mabizela to record and prepare a documentation of all the pollution incidents affecting them at Embalenhle and forward it to Mr Mangena and DWS.	Tonny Mabizela	February 2018	August 2019
16.2	Mr A. Mangena to circulate a finalized GMM water quality report to forum members	Alfred Mangena	November 2018	August 2019
16.3	DWS to liaise with Mpumalanga DMR to find out on the status of the availability of funds for rehabilitation of mines	Tsholofelo Baloyi	February 2019	August 2019
16.4	Sasol to prepare a report regarding the management of their dams and provide feedback in the next meeting	Jaco Linde	May 2019	August 2019
16.5	J. Linde to refer the issue of vanadium discharge back to the officials at Sasol and provide feedback in the next meeting.	Jaco Linde	May 2019	August 2019
16.6	Z. Gebhardt to liaise with Mac de Fontaine from Rand Water with regards to the creation of a Google group email for the WaterVal catchment	Zoë Gebhardt	May 2019	August 2019

Prepared by:
Date: