

**Minutes of the Grootdraai Dam Forum Meeting held on 27 May 2009 at
DEDET Nooitgedacht Offices**

| | Discussion | Action/follow up |
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| 1. | <p>Welcome and introduction of attendance and apologies</p> <p>K. Chetty welcomed everyone present to the forum meeting, apologized for arriving late and requested everyone present to introduce him/herself.</p> <p>Apologies: Kaizer Khunwane (Xstrata Coal) Mashudu Ganganzhe (Xstrata Coal) Simthandile Mpondo (Eskom, Majuba) Vongani Shivambu (Eskom, Majuba) Michell Wells (Gert Sibande Municipality) Esther Appleyard (Eskom) Surgeon Marebane Humbelani Tshirurumbela Tebogo Ndamase (Eskom) Nondwe Gaudza (Eskom, Thuthuka) Magamola Thema (New Denmark Colliery)</p> <p>Absent without apologies: Delta/ Mashala Msukaligwa Municipality Seme Municipality Lekwa Municipality</p> | |
| 2. | <p>Minutes of previous meeting</p> <p>Minutes were read and agreed upon by all present.</p> | |
| 3. | <p>Matters Arising</p> <p>DWEA Head Office, Resource Protection and Waste Directorate, Local Government Sub-directorate has embarked on the technical assistance workshop to assist the Municipalities in authorizing all the existing waste water treatment works. They are hosting meetings with the relevant municipalities to address their shortcomings. A presentation on this initiative will be given at the next forum meeting.</p> <p>D. Ristic to provide feedback on the establishment of the Catchment Management Agency (CMA).</p> <p>B. Malatsi to report on the progress of VDCEC.</p> | <p><i>DWEA Regional Office to arrange presentation from DWEA Head Office</i></p> <p><i>DWEA Head Office</i></p> <p><i>DWEA Regional Office</i></p> |
| 4. | <p>Presentations</p> <p>Rand Water</p> <p>M. Likhetha gave a presentation on the water quality status of the Grootdraai Dam Catchment from February 2009 to April 2009. He pointed out that Thuthukani Sewage Works is complying with the guidelines set and that there is some improvement in ammonia and</p> | |

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| | <p>chloride. He also indicated they also use the samples results for audit purposes. He further indicated that the catchment is at an acceptable condition.</p> <p>T. Mashamba from BHP Billiton asked where the samples of the waste water treatment works are taken. M. Likhetho indicated that the samples are taken at the final effluent. K. Chetty stressed that the in-stream water quality guidelines will be used for the waste water treatment works use until the water use licenses are issued.</p> <p>DWEA Gauteng Regional Office</p> <p>B. Malatsi gave a presentation on the water quality status of the Grootdraai Dam Catchment for the last quarter which is from February 2009 to May 2009. He indicated that there is some improvement in some monitoring points, but there is still a challenge in many due to the activities occurring upstream. K. Chetty assigned B. Malatsi to find out about the VDCEC meeting.</p> <p>T. Mashamba outlined in terms of the reporting from each forum members, and indicated that the forum is supposed to have the standardized way of reporting. K. Chetty indicated that for the last five years she was with the forum, they did try to have a standard format for reporting but it couldn't materialize. T. Mashamba outlined that for all the forums he attended, they did have a standard format where by each forum member will have certain time to give a presentation using a standard format. S. Makhombo seconded T. Mashamba's sentiments. D. Ristic indicated that there is challenge about the standard format for the forum reporting as we are from different organizations.</p> <p>N. Prinsloo indicated that all the regulatory authorities must improve their modus of operandi because meetings are being held and no actions are being taken. He further mentioned that the forum cannot enforce the law to the offending parties but can only give inputs at the forum meetings. K. Chetty requested that DWEA Compliance and Enforcement must be invited to the next forum meeting.</p> <p>A site visit was conducted by DWEA to Umlabu Colliery. The mine has temporarily ceased their operations and according to Mr. Slabbert from Umlabu Colliery – they are also plagued by the current global economic meltdown and are looking for investors, and will resume operations once they find investors. The matter has been taken to Compliance and Enforcement Section to intervene.</p> <p>Gert Sibande District – Michael Wells No Report, Absent with apology</p> <p>Tutuka Power Station</p> <p>T. Malotle gave feedback on Tutuka and Thuthukani sewage treatment works with regards to progress made regarding the nitrate and phosphorus removal investigations. The Tutuka Plant process was changed to run one the aerators for four hours at a time. The stoppage</p> | <p><i>DWEA to develop standard format for reporting</i></p> <p><i>DWEA Regional Office to invite Compliance and Enforcement Section to next meeting</i></p> <p><i>DWEA Compliance and Enforcement</i></p> |

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| | <p>creates anoxic conditions to allow denitrification to take place. This process in the plant is Simultaneous Nitrification Denitrification (SnDN). This successfully removed the nitrates. The consultant agreed with the arrangement. Thuthukani plant modification for nitrates removal is still in progress. The funds have been requested.</p> <p>The results of the plants show more compliance to the General Authorisation standards. Tutuka plant complies in all parameters and Thuthukani plant has one out of specification which is nitrates. The origin of the in-stream water quality guidelines was questioned. The guidelines were showing the plants to be out of specifications in many parameters. This gives the plant performance to be a bad one whereas it is not. The in-stream water quality guidelines was agreed upon by the technical committee of the forum years ago to be used for plants until they obtain their licences. Thereafter the licence conditions (as stipulated by DWEA) can be used to check compliance. This has caused confusion in Eskom's Department of Environment and Primary Energy Division. T. Malotle suggested the General Authorisation standards to be used because they have been legislated in the National Water Act and will give us a clear direction of action and know the true performance of the plant. DWEA Regional Office and Rand Water to provide feedback.</p> <p>Eskom Head Office CG Van Aswegen indicated that Eskom Majuba railway line project will be getting water from the VRESAP the pipeline. He indicated that samples are taken and Esther Appleyard is in possession of the results. DWAE issued them with a license for section 21(c) and (i) of the National Water Act, 1998 in December 2007.</p> <p>Camden Power Station Rejoice gave feedback on the sewage works and indicated that the plant will be refurbished.</p> <p>Majuba Power Station – Simthandile Mpondo No Report, Absent with apology</p> <p>New Denmark Colliery New Denmark Colliery was issued with a directive by DWEA for their brine disposal at the 321 underground compartments for the past two years and now that directive has expired. She further mentioned that they applied for the extension of the directive to DWEA and they are still waiting for the feedback. She indicated that they are conducting monitoring for their sewage plants and that no pollution incidents occurred.</p> <p>Golfview Mine S. Kruger Indicated that she submitted the report at every forum meeting and further indicated that Golfview Mine is in the process of constructing their own siding with pollution control dams. Golfview Mine has a pollution control dam at the mine. No pollution incidents</p> | <p><i>DWEA and Rand Water to provide feedback on GA versus in-stream water quality guidelines for sewage works compliance</i></p> <p><i>DWAE feedback on NDC's request for directive extension</i></p> <p><i>DWAE to investigate accessibility of report to other forum members</i></p> |

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| | <p>occurred. K Chetty asked if the report can be loaded to the Reservoir website. S. Kruger replied that the report is only for DWAE and Rand Water and can't be loaded onto the Reservoir website. The forum members raised concerns on why the report can't be put in the place where they can access it. K. Chetty assigned Bishop to find out why Golfview Mine doesn't want the forum members to see their report.</p> <p>Xstrata (Spitzkop) No Report, Absent with apology</p> <p>Delta/Mashala No Report-Absent without apology.</p> <p>Govan Mbeki Municipality S. Makhombothi gave a presentation and indicated that sludge classification has not yet been done for Bethal Sewage Works and will be done in the next financial year. She further mentioned that for the past three months, the plant was complying with the general standards. She mentioned that their Plant Operators have been trained but not yet classified. B. Malatsi responded that he can find out about the Operator's classification from DWEA Head Office. S. Makhombothi indicated that Govan Mbeki Municipality will submit their water use license application in June 2009.</p> <p>T. Mogakabe indicated that there are waste disposal sites which are digging trenches, and will find out what is leading to this. T. Mashamba responded that waste disposal sites should be established in such a way that the sites won't lead to groundwater contamination.</p> <p>Msukaligwa Municipality No Report-Absent without apology</p> <p>Seme Municipality No Report-Absent without apology</p> <p>Lekwa Municipality No Report-Absent without apology</p> <p>K. Chetty requested B. Malatsi to follow up on the availability of representatives from other organizations.</p> | <p><i>DWEA Regional Office – Operators classification</i></p> |
| 5. | <p>Catchment Management Agency (CMA) B. Malatsi responded that the process is on halt until further notice. D. Ristic indicated that she will found out on the process and will provide feedback on the next forum meeting.</p> | <p><i>DWEA Regional and Head Office</i></p> |

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| 6. | General | |
| 6.1 | <p>Licence Applications</p> <p>Spitzkop Colliery – IWULA still is pending with DWEA Head Office.</p> <p>Delta/ Mashala – Pending with DWEA. Arranged a meeting with the applicant to address some gaps on the management of dirty water systems.</p> <p>New Denmark Colliery – Applied in November 2007, still pending with DWA, arranged a meeting with the applicant to discuss about the brine disposal.</p> <p>Golfview Mine – Pending with DWEA, the application is with DWA Head Office.</p> | <i>DWEA</i> |
| 6.2 | <p>Pollution Incidents</p> <p>No pollution incidents reported.</p> | |
| 7. | <p>Closure</p> <p>K. Chetty thanked all attendees for attending the meeting and closed the meeting</p> | |
| 8. | <p>Dates for Next meeting</p> <p>26 August 2009</p> <p>25 November 2009</p> | |

GROOTDRAAI DAM ATTENDEANCE REGISTER 27 May 2009

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