

The June 2008 to August 2009 results of the daily microbiology analysis of the reclaimed water are summarised in Table 3.2. The relevant drinking water standards and guidelines are also included in Table 3.2. Values of parameters that exceeded the SANS are shaded. If a SANS was not available, the concentration was shaded if the DWAF guideline was exceeded.

Table 3.2: Micro-organism counts of reclaimed water samples for June 2008 to August 2009, with associated water quality guidelines.

Parameters	Statistical results				SANS 241:2005	Guideline	Guideline Reference
	Minimum	Median	95 th %	Maximum			
Total coliform bacteria/ 100 ml	0	0	0	60	not regulated	0 to 5	DWAF 1996
Faecal Coliform Bacteria / 100 ml	0	0	0	30	not detected in 95% of samples	0	
Heterotrophic plate count / ml	0	0	151	4 968	5 000 in 95% of samples	100	

SANS 241:2005 Limits for Class 1 Water.

Median Parameter value for 50 per cent of the water samples.

95th % The 95th percentile: 95 per cent of the water samples had a result equal to or less than the given value.

3.2 Tier-1 screening assessment of the water quality data

3.2.1 Water quality parameters related to consumer acceptability

Except for the pH, turbidity and ammonia (NH₃ as N), all of the recorded water quality parameters were within the limits prescribed by SANS, DWAF or the WHO (Table 3.1). The pH of water does not have direct health consequences except at extreme levels (DWAF 1996). The median pH of all samples was 7.9, and the pH of less than 10 per cent of the samples exceeded the SANS standard of 9.5 for Class 1 water (the 90th percentile was 9.4). Considering these results, the recorded exceedences of the SANS standard do not present a health risk. Turbidity is not directly related to health issues and ammonia is not of health significance at the recorded concentrations. However, exceedences of the guidelines might affect the acceptability of the final product to the consumer, because of negative aesthetic and/or organoleptic properties at the reported concentrations. A summary of potential problems associated with the use of household water not adherent to the guidelines for turbidity is presented in Table 3.3. Toxicity notes for ammonia and the potential issues related to non-conformance with the SANS or the drinking water guidelines are also presented in Table 3.3. Turbidity and ammonia are not further assessed with regard to health.

Table 3.3: Summary of potential water quality issues in cases of non-adherence to standards or guidelines.

Parameter	Implication for water quality
pH	The pH of water does not have direct health consequences except at extremes levels. The adverse effects of pH result from the solubilisation of toxic heavy metals and the protonation or deprotonation of other ions. The pH of most raw water sources lies within the range of 6.5 - 8.5 (DWAF 1996).
Turbidity in NTU**	Turbidity is an operational monitoring parameter that may be used by utility providers (drinking water supply companies or local authorities) to assess the performance of water quality control measures at appropriate time intervals. An example is the in-line control of residual chlorine in treated water. Operational monitoring enables the drinking-water supplier to monitor each control measure to enable effective system management in a timely manner. Microbial, chemical and physical water constituents may affect the appearance of water with regard to turbidity. Although these substances may have no direct health effects, water that is highly turbid may be regarded by consumers as aesthetically unacceptable or unsafe and may be rejected. Non-adherence to these parameters is therefore potentially negatively related to consumer acceptability, but is not a health risk indicator (WHO 2006).
Ammonia (NH ₃ as N)	The toxicity of the ammonium ion is considered to be low, but elevated concentrations of ammonia can compromise the disinfection of water and may give rise to nitrite formation in distribution systems, which may result in taste and odour problems. Taste and odour complaints are likely to occur if the ammonia concentration exceeds 1.5 mg/litre. High concentrations of ammonia can also give rise to nitrite, which is potentially toxic, especially to infants. The possibility of taste and odour complaints from consumers exist at concentrations of 1.0 to 2.0 mg/litre, but disinfection by chlorine is not compromised and the formation of nitrite is not a danger at this concentration (DWAF 1996).

** Nephelometric turbidity unit.

3.2.2 Substances of potential health concern

The Tier-1 assessment has indicated that none of the substances listed in Table 3.1 are of potential health concern, since the mean recorded concentrations were significantly smaller than the health-risk based guideline concentrations. Further assessment is thus not required.

3.2.3 The microorganism count

The results in Table 3.2 indicate that the microbiological quality of the potable water product is acceptable and within the guidelines for SANS Class 1 water. The maximum number of coliform bacteria was 60 per 100 ml, but this occurred only once in a daily water sample from June 2008 through August 2009. A SANS guideline is not available for total coliform bacteria, but the DWAF guideline is not more than 5 per 100 ml. The total coliform bacteria count is mainly used in routine monitoring of drinking water supplies. It is primarily used in the evaluation of water treatment processes as a practical indicator of the general hygienic or sanitary quality of water, since this group includes bacteria of faecal origin. However, many of the bacteria in this group may originate from growth in the aquatic environment and their presence may indicate microbial growth in the distribution system or post-treatment contamination of drinking water. Counts in the 0 to 5 range indicate a negligible risk of microbial infection, while counts between 5 and 100 per 100 ml are indicative of inadequate treatment, post-treatment contamination or growth in the distribution system (DWAF 1996). Since only 0.5 per cent of the results were in this range, continuous exposure to unacceptable counts would

not occur and, according to the DWAF guideline, only a slight risk of infectious disease transmission would exist, and then only on those negligible number of occasions when the guideline was exceeded.

In general, treated water adhered to the SANS 241:2005 guidelines for faecal coliforms (Table 3.2). Faecal coliforms have been shown to represent 93 to 99 per cent of coliform bacteria in faeces from humans, poultry, cats, dogs and rodents. These organisms can be transmitted via the faecal/oral route by contaminated or poorly-treated drinking water and may cause diseases such as gastroenteritis, salmonellosis, dysentery, cholera and typhoid fever. The risk of being infected by microbial pathogens correlates with the level of contamination of the water and the amount of contaminated water consumed. Higher concentrations of faecal coliforms in water (more than 20 per 100 ml) will indicate a higher risk of contracting waterborne disease, even if small amounts of water were consumed (DWAF 1996). During the sampling period June 2008 to Aug 2009, only 1 sample had a faecal coliform count of 30 per 100 ml, and evidence indicates that this was an anomaly and not indicative of a significantly increased risk of infectious disease.

Heterotrophic bacterial counts are used to indicate the general microbial quality of water. They are used to assess the efficiency of water treatment and disinfection processes and to test the integrity of distribution systems for after-growth. Heterotrophic plate counts do not represent the total number of bacteria present in the water, but detect a wide range of bacteria which are omnipresent in nature. Various methods and media exist to perform this analysis; only those bacteria able to grow under the specific conditions of the test are counted and it is also referred to as a standard plate count or colony count. Pollution of water can give rise to conditions conducive to bacterial growth, such as high nutrient concentrations and high turbidity and can result in a substantial increase of these naturally-occurring organisms. The activities of heterotrophic bacteria are dependent on the physical, chemical and biological interactions of the aquatic environment, which determine their growth rate and survival (DWAF 1996).

High heterotrophic plate counts in treated water indicate inadequate treatment of the water, post-treatment contamination, or bacterial after-growth in the distribution system. According to the DWAF guideline, counts higher than 100 per 100 ml are indicative of inadequate treatment, post-treatment contamination or after-treatment growth in the distribution system. Although specific micro-organisms are not identified, a high heterotrophic plate count indicates that pathogenic micro-organisms, bacteria, viruses or parasites could possibly be present in the water and could pose a health risk when the water is used for domestic consumption. Counts in the 0 to 100 range indicate a negligible risk of microbial infection, while counts between 100 and 1 000 per 100 ml indicate a slight risk of infectious disease transmission. Nine per cent of the results were in the 100 to 1 000 range and a slight risk of infectious disease transmission existed on those occasions. Heterotrophic plate counts exceeding 1 000 per ml occurred in only 0.5 per cent of the results; therefore, continuous exposure to unacceptable counts did not occur. However, in accordance with the DWAF guideline (DWAF 1996), an increased risk of infectious disease transmission exist on those few occasions when the exceedences occurred.

3.2.4 Assessment of radiological parameters

Table 3.4 presents gross alpha and beta counts, as well as radionuclide-specific activities.

Table 3.4: Radioactivity analysis of reclaimed water with associated water quality guidelines.

Gross Radioactivity				
Samples	Activity concentration in mBq/litre	SANS 241:2005*	Guideline in mBq/litre	Reference
Alpha activity in mBq/litre	-57**	not regulated	500	WHO 2006
Beta activity in mBq/litre	110	not regulated	1 000	
Radionuclide-specific activity				
Radionuclide	Activity in mBq/litre	Guideline in mBq/litre	Reference	
U-238 in mBq/litre	9.35	10 000	WHO 2006	
U-234 in mBq/litre	17.0	10 000		
Th-230 in mBq/litre	69.1	1 000		
Ra-226 in mBq/litre	0.28	1 000		
Pb-210 in mBq/litre	1.1***	100		
Po-210 in mBq/litre	1.1	100		
U-235 in mBq/litre	0.431	1 000		
Th-227 in mBq/litre	6.20	10 000		
Ra-223 in mBq/litre	4.3	1 000		
Th-232 in mBq/litre	6.18	1 000		
Th-228 in mBq/litre	1.3	1 000		
Ra-224 in mBq/litre	2.16	1 000		

* Limits for Class 1 Water

** Negative radioactivity values indicate that the activity recorded in the water sample during analysis was not significantly higher than background activity.

*** The result was not available at the time of the compilation of the HHRA report, but the value was estimated based on the Po-210 value. It is reasonable to assume that the radionuclide-specific activity of Pb-210 will be approximately equal to the activity of Po-210.

It is clear from Table 3.4 that the screening radioactivity parameters (alpha- and beta-radiation) and the activities associated with each of the individual radionuclides detected in the water sample submitted for radiological assessment were all less than guideline activity concentrations. Radioactivity detected in the purified water therefore does not present a potential health hazard.

4 Tier-1 assessment of the future water quality subsequent to the proposed expansion

4.1 Future water quality data

A mass balance report of the modelled future water quality subsequent to the proposed expansion was provided to INFOTOX. The future concentrations of various constituents in the

final potable water product was estimated based on weighted flows for the various portions that constitute the total feed (Keyplan (Pty) Ltd 2010(a)). The resultant estimated concentrations are presented in Table 4.1. The modelled substance concentrations were all within the SANS limits.

A number of heavy metals were not included in the model, and these are indicated as “not modelled” in the table. Other water quality parameters that were addressed in the Tier-1 assessment of the existing water quality (Section 3) could also not be modelled with regard to the potential future water quality subsequent to the proposed expansions, e.g., microbiological and radiological variables.

Table 4.1: Estimated concentrations of various substances in water subsequent to the proposed expansion of the WTP.

Parameters and substances	Estimated value	SANS limit**	Guideline	Guideline Reference
pH	5.44	5.0 - 9.5	6.5 - 8.5	DWAF 1996
NH ₃ as N (mg/litre)	not modelled	<1	<1 (t/a)	DWAF 1996
NO ₃ (mg/litre)	8.3	see NO ₃ as N below		
NO ₃ as N (mg/litre)	1.9	<10	11	WHO 2006
SO ₄ (mg/litre)	117.1	<400	250 (t)	USEPA 2006
Na (mg/litre)	45	<200	30 (t)	USEPA 2006
Ca (mg/litre)	9.2	<150	200 (t)	WHO 2006
Mg (mg/litre)	4.7	<70	100 (t)	WHO 2006
K (mg/litre)	10.8	<50	100 (t)	DWAF 1996
Zn (mg/litre)	not modelled	<5	10	DWAF 1996
Mn (mg/litre)	0.0	<0.1	5 (health); 0.10 (t/a)	DWAF 1996
Al (mg/litre)	0.0	<0.3	<0.15	DWAF 1996
Fe (mg/litre)	0.0	<0.2	0.1	DWAF 1996
Ba (mg/litre)	not modelled	not regulated	0.5	WHO 2006
Sb (mg/litre)	not modelled	<0.01	0.021	WHO 2003
As (mg/litre)	not modelled	<0.01	0.01	DWAF 1996
Cd (mg/litre)	not modelled	<0.005	0.005	DWAF 1996
Cr (mg/litre) (assumed to be total Cr)	not modelled	<0.1	0.05	WHO 2006
Co (mg/litre)	not modelled	<0.5	0.05	WHO 2006
Cu (mg/litre)	not modelled	<1	1.0	DWAF 1996
Pb (mg/litre)	not modelled	<0.02	0.01	DWAF 1996
Hg (mg/litre)	not modelled	<0.001	0.001	DWAF 1996
Ni (mg/litre)	not modelled	<0.15	0.07	WHO 2006
Se (mg/litre)	not modelled	<0.02	0.02	DWAF 1996
V (mg/litre)	not modelled	<0.2	0.10	DWAF 1996

Parameters and substances	Estimated value	SANS limit**	Guideline	Guideline Reference
Cl (mg/litre)	19.6	<200	250 (t)	USEPA 2006
F (mg/litre)	0.4	<1	2	USEPA 2006
Phenols (mg/litre)	not modelled	<0.01	<0.01	DWAF 1996

5 Discussion

5.1 Confidence in the analytical results

The HHRA presented in this report is based on analytical results presented to INFOTOX. This report is a valid interpretation of the potential human health risks associated with domestic use of reclaimed water only in so far as the analysis results are representative of the quality of water that will be produced by the water reclamation treatment plant. Daily, and in some cases weekly water quality results, were made available for the period June 2008 to September 2009. The high frequency of sampling and the extended sampling period (16 consecutive months) ensure a high degree of confidence in the validity of the samples as a representation of the water quality to be expected from the WTP. Comparison of the mean values with the 99th percentiles (Table 3.1) indicated that excessive variations in water quality parameter values and in concentrations of non-radioactive substances are not likely. The human health risk assessment presented in this report is therefore a valid interpretation of the health risks potentially associated with the ingestion of potable water produced by the WTP over the long term.

Table 3.2 indicates that relatively high micro-organism counts are possible in not more than 5 per cent of the samples, but that micro-organisms were in fact consistently absent from the samples over an extended sampling period. The human health risk assessment based on the results of the microbiology investigation is therefore a valid interpretation of the health risks potentially related to the ingestion of potable water produced by the WTP over the long term.

5.2 Confidence in the modelled results

INFOTOX has assessed the modelled results (Keyplan (Pty) Ltd 2010(a)) as basis for the HHRA of the potential future water quality subsequent to the proposed expansions, but cannot judge the quality or the validity of the model or the accuracy of the results.

5.3 Interpretation of the existing water quality

Except for the pH, turbidity and ammonia (NH₃ as N), the recorded concentrations of all of the non-radioactive chemical substances were within the limits prescribed by SANS, DWAF or the WHO (Table 3.1). The parameters that were not within the applied limits do not present a human health threat at the recorded concentrations, but in certain cases might have a detrimental effect on consumer acceptability. The mean recorded concentrations of the other substances were orders of magnitude smaller than the health-risk based guideline concentrations. The existing concentrations of substances in the reclaimed potable water are thus not associated with a potential human health risk and further assessments are therefore not required.

In contrast to chemical constituents of drinking-water that may manifest in health effects only after long-term exposures, exposure to microbial pathogens may cause adverse health effects from single exposures (WHO 2006). The coliform bacteria detected in a very limited number of samples are not associated with a significantly increased risk of infectious disease. The heterotrophic microorganism contamination detected in only 0.5 per cent of the results is not of significant public health concern if the reclaimed water is intended for domestic use.

Radioactivity detected in the reclaimed potable water does not present a potential health hazard, since the activities were all less than the guideline concentrations.

5.4 Interpretation of the future water quality

The modelled substance concentrations were all within the SANS limits (Table 4.1). Consumption of potable water delivered by the expanded WTP is therefore not associated with potential health risks in the case of those substances for which modelled concentrations were available. Potential health risks associated with the other substances that were not modelled cannot be assessed with certainty. Keyplan is of the opinion that the resultant water quality subsequent to the proposed expansion will not be worse than the quality preceding the expansion (presented in Table 3.1) (Keyplan (Pty) Ltd 2010(b)). If this is the case, ammonia may be a problem and may have a detrimental effect on consumer acceptability, as explained previously (refer to Table 3.3). However, the Keyplan report indicates that the design of the expanded WTP will include the addition of a dedicated NH₃ stripper. This should, presumably, decrease the concentration of ammonia; although this was not quantified or modelled (Keyplan (Pty) Ltd 2010(a)).

The heavy metals and radioactivity that were not modelled may be tentatively assessed based on the assumption that the resultant water quality subsequent to the proposed expansion will not be worse than that preceding the expansion. If this is indeed the case, the substances that were not modelled are not expected to result in a significant health risk, provided that concentrations in the potable water product of the expanded plant are not higher than the concentrations measured in the current product. However, this is only a tentative conclusion and must, in the future, be confirmed by either modelling of concentrations, or sampling and analysis of the water product delivered by the expanded WTP.

Modelling of microbiological parameters was not attempted; therefore, a final conclusion regarding potential associated risks is currently not possible.

6 Conclusions

The following conclusions are supported by the results of the HHRA, based on the analysis of current potable water samples and on the modelled results presented to INFOTOX:

- The Tier-1 assessment indicated that none of the radioactive or non-radioactive substances present in the current potable water product of the WTP are of potential health concern.
- Drinking water standards for pH, turbidity and ammonia are not adhered to in all samples taken from the potable water product delivered by the existing WTP. These parameters are related to consumer acceptability and are not directly related to consumer health risks. Non-adherence indicate potential quality control issues, but consumption by the public does not

present a potential human health risk.

- If further water treatment is not done, the potable water currently delivered by the WTP may be unacceptable to the consumer with regard to turbidity, and with regard to taste and potential odours related to unacceptable concentrations of ammonia.
- Microorganisms were detected in a very limited number of samples of the potable water currently delivered by the WTP and are not associated with a significantly increased risk of infectious disease if the reclaimed water is intended for domestic use.
- The HHRA based on the current WTP product considered a large number of samples obtained at a high frequency (daily and weekly) over an extended period of time (16 months). The large sample base supports a high degree of confidence in the HHRA regarding potable water currently delivered by the WTP.
- The database available for assessment of potential human health risks subsequent to the proposed expansion of the WTP is limited and therefore the conclusions regarding the future potable water product are tentative. Consumption of those substances for which modelled concentrations are available is not expected to result in unacceptable human health risks.
- Conclusions regarding the potential risks associated with microbiological contamination subsequent to the proposed expansion of the WTP and with the substances that were not modelled cannot be reached with confidence. However, it is understood that the concentrations of substances and microorganisms in potable water delivered by the expanded WTP will not be higher than those currently delivered. If this is indeed shown to be the case, consumption of reclaimed water should not be associated with significant human health risks.
- Ammonia concentrations in the potable water delivered by the expanded WTP were not modelled. If the dedicated NH₃ stripper proposed for the expanded WTP does not result in lower NH₃ concentrations than those measured in the current product, ammonia may have a detrimental effect on consumer acceptability of the product delivered by the expanded WTP. It must be noted, however, that the presence of ammonia at concentrations measured in the current water product is unlikely to affect consumer health.
- It is recommended that the modelled concentrations and the concentrations of substances not modelled, be confirmed by sampling and analysis of substances in the potable water delivered after the commissioning of the expanded WTP. This is also applicable to potential microbiological contamination of the future potable water product.

7 References

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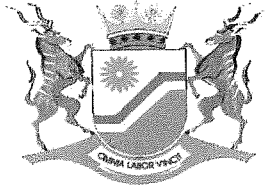


APPENDIX C

MDEDET Approval Letters

Mpumalanga Provincial Government

Piet Koornhof Building (3rd
Floor)
Cnr Justice & Kruger Streets
WITBANK
1035
Republic of South Africa



Private Bag x 7255
Witbank
Tel: (013) 690 1269/79
Fax: (013) 656 5469

DEPARTMENT OF AGRICULTURE AND LAND ADMINISTRATION ENVIRONMENTAL IMPACT MANAGEMENT –NKANGALA DISTRICT OFFICE

Litiko Letekulima Kanye
Nekuphatfwa Kwemhlaba

Departement van Landbou, en
Grondadministrasie

Umanyango Wezokulima,
Nebhoduluko KweNarha

Reference: 17/2/21(e) NK-5
Enquiries: Charity Mthimunye
Telephone: 013 690 1269
E-mail: cnmthimunye@wit.mpu.gov.za
Fax: 086 695 3928
Date: 23rd November 2009

Att: Dr. Brent Baxter
P.O. Box 6001
Halfway House
1685

Fax no: (011) 315 0317

Dear Sir

Acknowledgement of receipt of the application for the proposed expansion of Anglo Coal's eMalahleni Mine Water Reclamation Scheme.

We confirm having received the abovementioned application, Kindly quote the following reference number in future for the correspondence in respect of the application 17/2/21(e) NK-5. The responsible officer is Charity Mthimunye and all correspondence must be directed to: The Environmental Impact Management Section marked for the attention of the responsible officer.

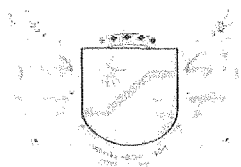
Please draw the applicant's attention to the fact that the activity may not commence prior to an environmental authorization being granted by the Department

Your's faithfully

Ms. C. Mthimunye

MPUMALANGA PROVINCIAL GOVERNMENT

Building No 4
No. 7 Government Boulevard
Riverside Park Extension 2
Nelspruit
1200
South Africa
echego@mpg.gov.za



Private Bag X 11205
Nelspruit, 1200
Tel: 013 766 4179
Fax: 013 766 4613
Int: +27 13 766 4179
Int: +27 13 766 4613

Department of Economic Development, Environment and To Office of the HOD

Litiko Letekutfufukiswa Kwetemnotfo nekuHlela	Umngango Wezokuthuthukiswa KoMnotho nezokuTlalywa	Departement v Ontwikkeling
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Reference:	17/2/2/1(e) NK-5
Enquiries:	Charity Mthimunye
Telephone:	013 690 1269
E-mail:	cmthimunye@wit.mpu.gov.za
Fax:	086 695 3928
Date:	04 th May 2010

Att: Ms. Olivia Chapman
Golder Associates Africa
P.O. Box 6001
Halfway House
1685
Tel: (011) 254 4800
Fax no: (011) 315 0317

Re: Acknowledgement of the Scoping Report for the proposed expansion of the Emalahleni Mine Water Reclamation Scheme.

The Department confirms having received the scoping report for the above mentioned project on the 13th April 2010. The Department has reviewed the final submitted scoping report and has noticed that there will be some changes on the pipeline route. The Department would therefore like to give a go ahead to Golder Associates to continue with Environmental Impact Report Process including the mitigation measures as well as the notification to the interested and affected parties for the pipeline route.

Please draw the applicant's attention to the fact that the activity may not commence prior to an environmental authorisation being granted by the Department.

Yours faithfully



APPENDIX D

Public Participation Documentation

APPENDIX D1

Stakeholder Database



STAKEHOLDER DATABASE

ENVIRONMENTAL IMPACT ASSESSMENT (EIA) FOR THE ANGLO MERICAN THERMAL COAL EXPANSION OF THE eMALAHLENI MINE WATER RECLAMATION SCHEME, eMALAHLENI, MPUMALANGA PROVINCE (DARDLA REFERENCE NUMBER 17/2/2/1(e) NK-5

FULL DATABASE	COMPANY	ADDRESS	CITY
	IDG Printhouse	49 Woltemade Street	eMALAHLENI
Alli, Nazir	South African National Roads Agency Limited	P O Box 415	PRETORIA
Barnes, Garth	Wildlife and Environment Society of South Africa	P O Box 435	FERNDAL
Batchelor, Allan	Wetland Consulting Services (Pty) Ltd	P O Box 72295	LYNNWOOD RIDGE
Batchelor, Garth	Mpumalanga Department of Economic	Private Bag X11219	NELSPRUIT
Baum, Michael	Anglo Operations Limited	P O Box 61587	MARSHALLTOWN
Baxter, Brent	Golder Associates	P O Box 6001	HALFWAY HOUSE
Beale, Elmarie	Communication Service	P O Box 3653	WITBANK
Bezuidenhout, Yolandi	Highveld Steel and Vanadium Corporation	P O Box 111	WITBANK
Bhamjee, Amina	Beatty Inv cc	P O Box 351	WITBANK
Biel	Mpumalanga Communication Services	P O Box 3653	WITBANK
Biel	Mpumalanga Communication Services	P O Box 3653	WITBANK
Booyesen, Claire	Kleinkopje Colliery	P O Box 2851	WITBANK
Booyesen, Claire	Kleinkopje Colliery	P O Box 2851	WITBANK
Boshoff, Jakkie	Langames Emergency Management	P O Box 14496	LEERAATSFONTEIN
Bosman, Carin	Carin Bosman Sustainable Solutions	P O Box 26442	GEZINA
Botha, Catherine		P O Box 386	WITBANK
Botha, Hannes	Mpumalanga Tourism and Parks Agency	P O Box 1250	GROBLERSDAL
Botha, Hannes	Mpumalanga Tourism and Parks Agency	P O Box 1250	GROBLERSDAL
Botha, Henk	Mikros Traffic Monitoring	P O Box 73852	LYNNWOOD RIDGE
Bousfield, Lizz	Landau Colliery	P O Box 78	CLEWER
Bousfield, Lizz	Landau Colliery	P O Box 78	CLEWER
Bouwers, Rudolph	Steve Tshwete Local Municipality	P O Box 14	MIDDELBURG
Boyd, Lee-Ann	Golder Associates	P O Box 6001	HALFWAY HOUSE
Brayshaw, Colin	Highveld Steel and Vanadium Corporation	23 Westwood Road	MELROSE NORTH
Bredenhann, Nestus	Golder Associates	P O Box 6001	HALFWAY HOUSE
Brink, Eric	Witbank Bricks/Kairos Coal and Exploration	P O Box 363	WITBANK
Bulmer, Tony	Keg and Huntsman	P O Box 13545	LEERAATSFONTEIN
Bulmer, Tony	Keg and Huntsman	P O Box 13545	LEERAATSFONTEIN
Cable, H R	President Veterinary Clinic	Private Bag X7260	WITBANK
Cameron, Kenneth	Cameron Cross Incorporated Attorneys	P O Box 8867	CENTURION
Canada, Tony	Carb King	P O Box 12992	LEERAATSFONTEIN
Canada, Tony	Carb King	P O Box 12992	LEERAATSFONTEIN
Castling, Lana		P O Box 969	WITBANK
Chapman, Olivia	Golder Associates	P O Box 6001	HALFWAY HOUSE
Chinamatira, Ranganai	Kleinkopje Colliery	P O Box 2851	WITBANK
Clark, Hazel	Rent a Home	P O Box 14024	LEERAATSFONTEIN
Clark, Hazel	Rent a Home	P O Box 14024	LEERAATSFONTEIN
Clark, Sharon	BHP Billiton Energy Coal South Africa Limited	P O Box 61820	MARSHALLTOWN
Coleman, Trevor	Golder Associates	P O Box 6001	HALFWAY HOUSE
Combrink, Johan	Emalahleni Local Municipality	P O Box 3	WITBANK
Combrink, Johan	Emalahleni Local Municipality	P O Box 3	WITBANK
Cronjé, André	Department of Minerals and Energy	Private Bag X5	BRAAMFONTEIN
Cronje, Jenny		P O Box 788	BRITS
Crous, Roy	Karo Eng cc	P O Box 48498	HERCULES
Crous, Roy	Karo Eng cc	P O Box 48498	HERCULES
Dames, Brian	Eskom (Pty) Ltd	P O Box 1091	JOHANNESBURG
Daya, P K S		P O Box 17293	WITBANK
de Klerk, Steve	Kentucky Fried Chicken	No 17 Watermeyer Street	WITBANK
de Klerk, Steve	Kentucky Fried Chicken	No 17 Watermeyer Street	WITBANK
de Ruyter, Paul	Transnet Capital Projects	Private Bag X4	GALLO MANOR
de Ruyter, Paul	Transnet Capital Projects	Private Bag X4	GALLO MANOR
Dickman, Andrew		P O Box 40007	REYNO RIDGE

FULL DATABASE	COMPANY	ADDRESS	CITY
Dlamini, Mbali	Department of Water Affairs (DWA)	Private Bag X11259	NELSPRUIT
Dreyer, Attie	Golder Associates	P O Box 6001	HALFWAY HOUSE
Dreyer, Johannes	Ingwe surface Holdings Ltd	P O Box 2157	KNYSNA
Dreyer, Manie	Billiton Energy Coal South Africa (BECSA)	P O Box 61820	MARSHALLTOWN
du Plessis, Deon	Department of Minerals and Energy	Private Bag X7279	WITBANK
du Plessis, Deon	Department of Minerals and Energy	Private Bag X7279	WITBANK
Du Plessis, Erika	Golder Associates	P O Box 6001	HALFWAY HOUSE
du Plessis, Jan	Mine Workers Union	P O Box 116	WITBANK
du Plessis, Sarel		P O Box 11989	RYNFIELD
Dumas, Gerald	Johannesburg Water	P O Box 61542	MARSHALLTOWN
Duvenage (Snr), Simon		Posbus 65	KENDAL
Duvenage (Snr), Simon		Posbus 65	KENDAL
Duvenage, D J E		Posbus 132	KENDAL
Duvenage, D J E		Posbus 132	KENDAL
Duvenage, Johan	Auto-X-Sec	P O Box 330	KENDAL
Dyson, Marie	Schoongezicht Concern Residence	P O Box 4126	WITBANK
Ebrahim, Mohammed		P O Box 476	WITBANK
Eckstein, Spencer	Golder Associates	P O Box 6001	HALFWAY HOUSE
Ehlers, Douw	United Association of South Africa (UASA)	P O Box 659	WITBANK
Engels, Mari	Kleinkopje Colliery	P O Box 2851	WITBANK
Erasmus, B P	Goldwagen	Posbus 20243	DEL JUDOR EXT 4
Esterhuysen, Graham	Trans African Concessions (TRAC)	P O Box 10817	VORNA VALLEY
Esterhuysen, Graham	Trans African Concessions (TRAC)	P O Box 10817	VORNA VALLEY
Everingham, Geoffrey	Rietfontein Ptn 10,7 &18, Zandfontein Ptn 2,6,9,	Syfret Road	RONDEBOSCH
Fakir, Naseema	Legal Resource Centre (LRC)	P O Box 9495	JOHANNESBURG
Fenyane, Priscilla	eMalahleni Local Municipality	P O Box 17987	WITBANK
Fenyane, Priscilla	eMalahleni Local Municipality	P O Box 3	WITBANK
Ferreira, Rienie	Total SA (Pty) Ltd	P O Box 598	WITBANK
Ferreira, Rienie	Total SA (Pty) Ltd	P O Box 598	WITBANK
Fourie, Nicolaas		P O Box 17693	WITBANK
Francis, Christo	CC Dyno Tuning and Conversions	Posbus 12340	LEERAATSFONTEIN
Francis, Christo	CC Dyno Tuning and Conversions	Posbus 12340	LEERAATSFONTEIN
Goldswain, Zitha	Witbank News / Cosmos Gazette	P O Box 36	WITBANK
Gomes, Nuno	South African National Roads Agency Limited	Private Bag X17	LYNNWOOD RIDGE
Gouws, Christian	Vennprop Pty Ltd	P O Box 35465	MENLO PARK
Greyvensteyn, Margaret	Claws for Africa	P O Box 13665	LEERAATSFONTEIN
Greyvensteyn, Margaret	Claws for Africa	P O Box 13665	LEERAATSFONTEIN
Grimsell, Amelia	Golder Associates	P O Box 6001	HALFWAY HOUSE
Grobler, Elena	Bona Vista Properties	P O Box 17627	WITBANK
Grobler, Johan	Speedy Tyre and Exhaust	Private Bag X1589	WITBANK
Grobler, Johan	Speedy Tyre and Exhaust	Private Bag X1589	WITBANK
Groenenstein, Peter	Rocktuff Ready Mix Concrete	P O Box 8602	DIE HEUWEL
Gunther, Peter	Anglo American Thermal Coal	Private Bag X7275	WITBANK
Haan, Michiel	Kromcor Beleggings (Pty) Ltd / Jumbo van der	P O Box 13568	PRETORIA
Hall, Rudolf		P O Box 13038	LEERAATSFONTEIN
Hartzer, Suzette	Vanchem Vanadium Products (Pty) Ltd	P O Box 567	WITBANK
Hayes, Janel	Kleinkopje Colliery	P O Box 2851	WITBANK
Henning, Rudi	Million Bit Computers	P O Box 13516	LEERAATSFONTEIN
Henning, Rudi	Million Bit Computers	P O Box 13516	LEERAATSFONTEIN
Henning, Yulanda	Len's Driving School	16 Sangro Street, Extension 8	WITBANK
Henning, Yulanda	Len's Driving School	16 Sangro Street, Extension 8	WITBANK
Hlabane, Matthews	SA Green Revolutionary Council	P O Box 986	WITBANK
Hlakudi, Abraham	National Union of Mine Workers South Africa	P O Box 2822	WITBANK
Hlatywayo, Elsie	First Car Rental	No 4 Woltemade Street	WITBANK
Hodgson, Frank	University of Free State	P O Box 13360	NOORDSTAD
Holgate, Claudia	Holgate and Associates	P O Box 641	FEATHERBROOKE
Holgate, Claudia	Holgate and Associates	P O Box 641	FEATHERBROOKE
Hugo, Jacques	Hugo and Venter Accountants CC	Private Bag X7260	WITBANK
Jacobs, Phillip	Kloof Mining	P O Box 190	WESTONARIA
Janse van Vuuren, Vere	Telkom South Africa	P O Box 1352	MIDDELBURG
Kgole, Mpetjane	Eskom (Pty) Ltd	P O Box 1091	JOHANNESBURG
Kirsten, Johann	Samancor Chrome - Ferrometals	Private Bag X7228	WITBANK
Kleyn, David	Department of Agriculture, Forestry and Fisheries	Private Bag X120	PRETORIA
Koenig, Derek	Pro-Parts	P O Box 500	WITBANK
Kok, Gys	G and J Panelbeaters	Posbus 13051	LEERAATSFONTEIN
Kruger, Deidre	Tiny Tots Nursery School	Cnr Churchill Street and	WITBANK
Kruger, Deidre	Tiny Tots Nursery School	Cnr Churchill Street and	WITBANK
Kruger, Henro	Witbank Chamber of Commerce and Industry	P O Box 2180	WITBANK

FULL DATABASE	COMPANY	ADDRESS	CITY
Kruger, Hilmer	Hilkru Family Trust	P O Box 702	WITBANK
Kruger, Johannes	Corgros (Pty) Ltd	P O Box 11033	MIDDELBURG
Kruger, Sonita	Anker Coal and Mineral Holdings	P O Box 4929	MIDDELBURG
Kunene, Harold	South African Municipal Workers Union	P O Box 917	WITBANK
Kunene, Harold	South African Municipal Workers Union	P O Box 917	WITBANK
Laas, Alwyn	Kloof Mining	Posbus 190	WESTONARIA
Laas, Alwyn	Kloof Mining	Posbus 190	WESTONARIA
Langa, G W	South African Local Government Association	P O Box 1693	NELSPRUIT
Langa, Mangisi	eMalahleni Local Municipality	P O Box 3	WITBANK
le Roux, Peet	Cecil Motors	Posbus 14148	LERAAATSFONTEIN
le Roux, Peet	Cecil Motors	Posbus 14148	LERAAATSFONTEIN
Letlaka, Thelma	National African Federated Chamber of	342 Twala Street	KWAGUQA
Lewis	Highveld Steel and Vanadium Corporation	P O Box 111	WITBANK
Liebenberg, Rachel		8 Long Tom Street	WITBANK
Liebenberg, Rachel		8 Long Tom Street	WITBANK
Liefferink, Mariette	Federation for a Sustainable Environment (FSE)	Postnet Suite 87, Private Bag	RIVONIA
Lines, Rob	Lines, Smolka and Associates	P O Box 1122	FERNDALE
Louw, Jennifer	eMalahleni Local Municipality	P O Box 3	WITBANK
Lubbe, Leoni	Golder Associates	P O Box 6001	HALFWAY HOUSE
Lushaba, Simon	Rand Water	P O Box 1127	JOHANNESBURG
Mabokela, Tshepo	Tshwane University of Technology	P O Box 731	BRAMLEY
Mabuza, Renny	KwaGucca Library	P O Box 3	WITBANK
Mabuza, Renny	KwaGucca Library	P O Box 3	WITBANK
Macevele, Stanford	Department of Water Affairs (DWA)	Private Bag X10580	BRONKHORSTSPRUIT
Madden, Stan	Wildlife and Environment Society of South Africa	18 Rudd Road	DUNNOTTAR
Maduna, Ernest	eMalahleni Local Municipality	P O Box 3	WITBANK
Mahloko, W M	eMalahleni Local Municipality	P O Box 2066	WITBANK
Majeta, Veli	Ward 4 Committee	3829 Extension 1	HLALANIKAHLE
Makola, Charles	Nkangala District Municipality	P O Box 437	MIDDELBURG
Makondzo, Rose	Steve Tshwete Local Municipality	P O Box 14	MIDDELBURG
Malatjie, Linah	eMalahleni Local Municipality	P O Box 3	WITBANK
Malaza, Gideon	Thuthuhukani Horticulture Projects cc	P O Box 255	CLEWER
Malaza, Lindiwe	Nelson Ngubeni School	P O Box 3327	WITBANK
Malaza, Lindiwe	Nelson Ngubeni School	P O Box 3327	WITBANK
Malesa, Jacob	Department of Water Affairs (DWA)	Private Bag X10528	BRONKHORSTSPRUIT
Manyaka, Lydia		P O Box 3114	WITBANK
Maphosa, Martin	Kangala Community Radio Station	P O Box 119	EKANGALA
Maphosa, Martin	Kangala Community Radio Station	P O Box 119	EKANGALA
Maphoso, Abraham	Department of Minerals and Energy	Private Bag X7279	WITBANK
Maphumulo, Zanele	Department of Water Affairs (DWA)	Private Bag X313	PRETORIA
Maraba, Cecilia	eMalahleni Local Municipality	2028 Jiyane Street	ACKERVILLE
Marais, Francois	Golder Associates	P O Box 6001	HALFWAY HOUSE
Maregele, Lerato	Earthlife Africa	P O Box 32131	BRAAMFONTEIN
Maregele, Lerato	Earthlife Africa	P O Box 32131	BRAAMFONTEIN
Markham, Calvin	Witbank Aids and Environmental Awareness and	P O Box 3745	WITBANK
Marsh, Lawrence		P O Box 14598	LERAAATSFONTEIN
Masango, T.	eMalahleni Local Municipality	334 Extension 3	HLALANIKAHLE
Mashaba, Manty	Department of Water Affairs	Private Bag X10850	BRONKHORSTSPRUIT
Mashamba, Thembani	BHP Billiton	P O Box 13143	LERAAATSFONTEIN
Mashiane, Frans	Transnet Freight Rail	P O Box 8217	PUTFONTEIN
Mashiloane, Jeremia	Triponza Trading 663 cc	P O Box 9	DENNILTON
Massyn, Frans	Massyn Vervoer	P O Box 3407	WITBANK
Massyn, Frans	Massyn Vervoer	P O Box 3407	WITBANK
Mathebula, Elphas	eMalahleni Local Municipality	502 Thema Street, P O	LYNNVILLE
Matsomane, Hendrick	Kleinkopje Colliery	P O Box 2851	WITBANK
Matsomane, Hendrick	Kleinkopje Colliery	P O Box 2851	WITBANK
Mautjana, Lerato	Department of Water Affairs (DWA)	Private Bag X10580	BRONKHORSTSPRUIT
Mavimbela, Mbalenhle	eMalahleni Local Municipality	P O Box 3	WITBANK
Mavimbela, Mbalenhle	eMalahleni Local Municipality	P O Box 3	WITBANK
Mdluli, Precious	eMalahleni Local Municipality	Mandela Street	WITBANK
Mdluli, Precious	eMalahleni Local Municipality	Mandela Street	WITBANK
Meso, Kama	Department of Water Affairs (DWA)	Private Bag X10528	BRONKHORSTSPRUIT
Mey, Wendy	BHP Billiton	Private Bag X15	LERAAATSFONTEIN
Mhangwani, Peter	Regional Land Claims Commissioner	Private Bag X11330	NELSPRUIT
Miller, Andy	Procon Environmental Technologies	P O Box 4243	WITBANK
Mlangeni, Dominic	Pineridge Combined School	P O Box 6378	eMALAHLANI
Mnisi, Philix	Transnet	P O Box 7730	TASBET PARK
Moduka, Benjamin	Provincial Heritage Resources Authority	P O Box 1243	NELSPRUIT

FULL DATABASE	COMPANY	ADDRESS	CITY
Mogane, Belinda	LLT Flooring, Carpentry an Blinds	P O Box 41229	RYNO RIDGE
Mokoena, Agrinate	eMalahleni Local Municipality	246 Lekgoale Street	eMALAHLENI
Mokonotela, Meshack	Golder Associates	P O Box 6001	HALFWAY HOUSE
Mokonyane, Martha	Department of Mineral Resources (DMR)	Private Bag X7279	WITBANK
Mondlane, Musa	Mpumalanga Department of Economic	Private Bag X7255	WITBANK
Moses, Moira	Transnet Capital Project	P O Box 72501	JOHANNESBURG
Moshapo, Victoria	Department of Minerals and Energy	Private Bag X7279	WITBANK
Mthimunye, Charity	Mpumalanga Department of Economic	Private Bag X7255	WITBANK
Mtsweni, Petrus		P O Box 8619	DIE HEUWEL
Mukondeleli, D R	eMalahleni Local Municipality	Mandela Street	WITBANK
Murray, Walter	Samancor Limited	Post Net 803, Private Bag X9	BENMORE
Musekene, Ndange	Department of Water Affairs	Private Bag X313	PRETORIA
Naude, Elsabe	Klipfontein Library	No. 10 Albertein Straat, Del	WITBANK
Naude, Tharina	Kloof Mining	P O Box 190	WESTONARIA
Ndimande, P.	Empucukweni Secondary School	P O Box 5074	eMALAHLENI
Ndimande, P.	Empucukweni Secondary School	P O Box 5074	eMALAHLENI
Ndlovu, Shadrack	eMalahleni Local Municipality	P O Box 3	WITBANK
Ndlovu, Shadrack	eMalahleni Local Municipality	P O Box 3	WITBANK
Nel, Johnny	C V Master Witbank	Posbus 14462	LEERAATSFONTEIN
Nel, Johnny	C V Master Witbank	Posbus 14462	LEERAATSFONTEIN
Ngoma, Jerry	Mpuma Bearings	P O Box 4796	WITBANK
Ngonyama, Jackson	Ngonyama Industrial Services	P O Box 6033	KLIPFONTEIN
Nhlanhla, Milly	eMalahleni Local Municipality	P O Box 3	WITBANK
Nhlanhla, Milly	eMalahleni Local Municipality	P O Box 3	WITBANK
Nhlapo, Lesley	eMalahleni Local Municipality	Mandela Street	WITBANK
Nhleko, Johannes	Mckenza Business Consultancy	P O Box 3725	WITBANK
Njapha, Tricia	Golder Associates	P O Box 6001	HALFWAY HOUSE
Nkabinde, Erald	eMalahleni Local Municipality	P O Box 3	WITBANK
Nkoana, Tom	Ikgala Water Board	Private Bag X10516	BRONKHORSTSPRUIT
Nkosi, P B	Witbank Provincial Hospital	Private Bag X7206	WITBANK
Nkosi, P B	Witbank Provincial Hospital	Private Bag X7206	WITBANK
Nomsa	Visit-Vakasha Town Lodge	45 Woltemade Street	eMALAHLENI
Nortje, Lucas		18 President Kruger Street	PHALABORWA
Ntoampe, Kellelo	Department of Environmental Affairs (DEA)	Private Bag X447	PRETORIA
Otto, Anna-Marth	Middelburg Chamber of Commerce	P O Box 1152	MIDDELBURG
Pansegrouw, Paul	Multi Panelkloppers	Posbus 2994	WITBANK
Parker, Eric	eMalahleni Local Municipality	P O Box 3	WITBANK
Phohlo, Zingisa	Department of Water Affairs (DWA)	Private Bag X528	BLOEMFONTEIN
Phohlo, Zingisa	Department of Water Affairs (DWA)	Private Bag X528	BLOEMFONTEIN
Pholotho, Solomon	Landowner	P O Box 532	ACKERVILLE
Pienaar, Jan	Anglo Coal Highveld Hospital	P O Box 1216	WITBANK
Pienaar, Jan	Anglo Coal Highveld Hospital	P O Box 1216	WITBANK
Pieterse, Johannes	Landowner	6 Gemini Street	VAN RIEBEECKPARK
Pretorius, Koos	Federation for a Sustainable Environment (FSE)	P O Box 201	BELFAST
Pretorius, Lukas	Marlu Motors	Posbus 12758	LEERAATSFONTEIN
Pretorius, Lukas	Marlu Motors	Posbus 12758	LEERAATSFONTEIN
Prinsloo, Gert	MCarthy Kunene	P O Box 13867	LEERAATSFONTEIN
Prinsloo, Kobus	eMalahleni Local Municipality	P O Box 8844	DIE HEUWEL
Pudi	Tshwane University of Technology	P O Box 3211	WITBANK
Pudi	Tshwane University of Technology	P O Box 3211	WITBANK
Rademeyer, Hilgard	Trans Alloys (Pty) Ltd	Postnet Suite 166, Private Bag	CASCADES
Rama, Ashokkumar		14 Cockscrow Crescent	PINE RIDGE
Rawheath, Roark	Samancor Chrome Limited	Private Bag X7228	WITBANK
Redelinghuys, Boet	R and R Auto Electrical	Posbus 4007	WITBANK
Redelinghuys, Boet	R and R Auto Electrical	Posbus 4007	WITBANK
Resident		11 Churchill Street	WITBANK
Resident		15 Churchill Street	WITBANK
Resident		17 Churchill Street	WITBANK
Resident		19 Churchill Street	WITBANK
Resident		20 Churchill Street	WITBANK
Resident		23 Churchill Street	WITBANK
Resident		23 Woltemade Street	WITBANK
Resident		24 Churchill Street	WITBANK
Resident		25 Churchill Street	WITBANK
Resident		25 Woltemade Street	WITBANK
Resident		25 Woltemade Street	WITBANK
Resident		27 Woltemade Street	WITBANK
Resident		31 Woltemade Street	WITBANK

FULL DATABASE	COMPANY	ADDRESS	CITY
Resident		37 Woltemade Street	WITBANK
Resident		38 Churchill Street	WITBANK
Resident		4 Van Brugen	WITBANK
Resident		43 Woltemade Street	WITBANK
Resident		45 Woltemade Street	WITBANK
Resident		47 Woltemade Street	WITBANK
Resident		49 Woltemade Street	WITBANK
Resident		51 Woltemade Street	WITBANK
Resident		53 Woltemade Street	WITBANK
Resident		55 Woltemade Street	WITBANK
Resident		6 Van Brugen	WITBANK
Resident		7 Churchill Street	WITBANK
Resident		8 Van Brugen	WITBANK
Resident		82 Langehoven	WITBANK
Resident		84 Langehoven	WITBANK
Resident		86 Langehoven	WITBANK
Resident		9 Churchill Street	WITBANK
Resident		94 Langehoven	WITBANK
Resident		96 Langehoven	WITBANK
Rex, Derrick	Middelburg Mine Services - Ingwe Collieries	P O Box 1672	MIDDELBURG
Rossouw, Pierre	Nkangala District Municipality	P O Box 437	MIDDELBURG
Ruben, September	Telkom SA Limited	Private Bag X74	PRETORIA
Sarovic, Sladjana	Sarovic Inv (Pty) Ltd	P O Box 3762	WITBANK
Scrooby, Jeff	Transnet Pipelines	P O Box 3113	DURBAN
Seherrie, Sophie		P O Box 14172	LEERAATSFONTEIN
Seherrie, Sophie		P O Box 14172	LEERAATSFONTEIN
Shehzad, Tariq	Clewer Filling Station CC	P O Box 368	WITBANK
Sibeko, Julia	eMalahleni Local Municipality	P O Box 144	WITBANK
Sibuyi, Venus	Department Public Works, Roads and Transport	P O Box 1800	MIDDELBURG
Smata, Rudzani	Department of Water Affairs (DWA)	Private Bag X11259	NELSPRUIT
Smit, Roelf	Mpumalanga Tourism and Parks Agency	P O Box 7218	MIDDELBURG
Smith, Billy	Middelburg Bird Club	P O Box 22307	MIDDELBURG
Smith, J.	Coastal Tool Hire	Posbus 13876	LEERAATSFONTEIN
Smith, J.	Coastal Tool Hire	Posbus 13876	LEERAATSFONTEIN
Steenkamp, Jan		P O Box 12998	WITBANK
Steinmann, Johan	Spoornet	Private Bag X7240	WITBANK
Strauss, Riza	Anglo American Thermal Coal	Private Bag X7275	WITBANK
Strauss, Wimpie	Wit-Mid Panel Beaters	P O Box 7132	TASBETPARK
Strauss, Wimpie	Wit-Mid Panel Beaters	P O Box 7132	TASBETPARK
Strydom, Hans	Auto Pedigree	61 Watermeyer Street	WITBANK
Suttill, Malcolm	Wildlife and Environment Society of South Africa	32 Amarylyss Street	WITBANK
Swart, Rianna	Minute Press	13 Woltemade Street	WITBANK
Thamaga, M.P	KwaGuqa Primary School	P O Box 5504	eMALAHLENI
Thamaga, M.P	KwaGuqa Primary School	P O Box 5504	eMALAHLENI
The General Manager	Landau Colliery	P O Box 78	CLEWER
The Manager	Hilkru Family Trust	P O Box 702	WITBANK
The Manager	Just Letting	41 Woltemade Street	WITBANK
The Manager	Just Letting	41 Woltemade Street	WITBANK
Tolamo, Lettie		1 Woltemade Street, Extension	WITBANK
Tolamo, Lettie		1 Woltemade Street, Extension	WITBANK
Tshitangoni, Mpho	Department of Environmental Affairs (DEA)	Private Bag X447	PRETORIA
Tshivhalavhala, Godfrey	South African Heritage Resource Agency	P O Box 18403	NELSPRUIT
Tshwete, Lindelani	eMalahleni Local Municipality	Mandela Street	WITBANK
Tswai, Dineo	Mpumalanga Department of Economic	Private Bag X7255	WITBANK
Vallero, Amanda	Hermans and Romans Property Solutions		
Valli, Ismail	Emerald Sky Trading 706 (Pty) Ltd	P O Box 767	JOHANNESBURG
van Aswegen, Johann	Department of Water Affairs (DWA)	Private Bag X10580	BRONKHORSTSPRUIT
van den Berg, Tobie	Middelburg Observer/Daller	P O Box 36	MIDDELBURG
van den Heuvel, Bruce	Sasol Gas	P O Box 1234	RANDBURG
van der Beg, Marie		Eugene Maraisstraat	WITBANK
van der Beg, Marie		Eugene Maraisstraat	WITBANK
van der Merwe, Nick	Benicon Earthworks and Mining Services (Pty)	P O Box 12474	LEERAATSFONTEIN
van der Walt, Gerhard	Timbercity	P O Box 14408	LEERAATSFONTEIN
van der Walt, Gerhard	Timbercity	P O Box 14408	LEERAATSFONTEIN
van der Westhuizen,	Sappi Management Services (Pty) Ltd	P O Box 31560	BRAAMFONTEIN
van Eeden, Pieter	G O EnviroScience	P O Box 13434	NORKEM PARK
van Eeden, Pieter	G O EnviroScience	P O Box 13434	NORKEM PARK
van Heerden, Anre	Highveld Steel and Vanadium Corporation	P O Box 111	WITBANK

FULL DATABASE	COMPANY	ADDRESS	CITY
van Kraayenburg, Federika	Klipfontein Lawn Mowers	Posbus 12099	LERAATSFONTEIN
van Kraayenburg, Federika	Klipfontein Lawn Mowers	Posbus 12099	LERAATSFONTEIN
van Papendorp, Lindi	Witbank Public Library	Cnr Elizabeth and Hofmeyer	WITBANK
Venter, Daan	Sutherland Stubb	P O Box 218	RANDFONTEIN
Venum, Morne	Anglo Coal Audit Services	Private Bag X7275	WITBANK
Venum, Morne	Anglo Coal Audit Services	Private Bag X7275	WITBANK
Vermaak, Theo	Signmax	Posbus 13641	LERAATSFONTEIN
Vermaak, Theo	Signmax	Posbus 13641	LERAATSFONTEIN
Viljoen, Daan	Tavistock Collieries Ltd	Private Bag X7265	WITBANK
Viljoen, Leonora	Zambli 9 Pty Ltd	P O Box 1249	CRESTA
Viljoen, Vanessa	Golder Associates	P O Box 6001	HALFWAY HOUSE
Volschenk, Susana		20 Leyden Sreet	DIE HEUWEL
von den Brink, Ian	Strub Mining and Lubricants (SML)	35 Jellicoe Street, Extension 1	WITBANK
von den Brink, Ian	Strub Mining and Lubricants (SML)	35 Jellicoe Street, Extension 1	WITBANK
Whitcutt, Mike	Wildlife and Environment Society of South Africa	P O Box 1456	LYNDHURST
Xulu, Shirley	Middelburg Public Library	Corner of Church and	MIDDELBURG
Yorke-Hart, Michael	South African National Roads Agency Limited	Private Bag X17	LYNNWOOD RIDGE
Zitha, Bafana	National Union of Mine Workers of South Africa	P O Box 2822	WITBANK

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APPENDIX D2

Registered I&APs

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REGISTERED I&APs LIST

ENVIRONMENTAL IMPACT ASSESSMENT (EIA) FOR THE ANGLO AMERICAN THERMAL COAL EXPANSION OF THE eMALAHLENI MINE WATER RECLAMATION SCHEME, eMALAHLENI, MPUMALANGA PROVINCE (DARDLA REFERENCE NUMBER 17/2/2/1(e) NK-5

FULL NAME	COMPANY	CITY
.	IDG Printhouse	eMALAHLENI
Alli, Nazir	South African National Roads Agency Limited (SANRAL)	PRETORIA
Barnes, Garth	Wildlife and Environment Society of South Africa (WESSA)	FERNDAL
Batchelor, Garth	Mpumalanga Department of Economic Development, Environment &	NELSPRUIT
Baum, Michael	Anglo Operations Limited	MARSHALLTOWN
Baxter, Brent	Golder Associates	HALFWAY HOUSE
Beale, Elmarie	Communication Service	WITBANK
Bezuidenhout, Yolandi	Highveld Steel and Vanadium Corporation	WITBANK
Boshoff, Jakkie	Langames Emergency Management	LEAATSFONTEIN
Botha, Catherine		WITBANK
Botha, Hannes	Mpumalanga Tourism and Parks Agency	GROBLERSDAL
Boyd, Lee-Ann	Golder Associates	HALFWAY HOUSE
Bredenhann, Nestus	Golder Associates	HALFWAY HOUSE
Cable, H R	President Veterinary Clinic	WITBANK
Chapman, Olivia	Golder Associates	HALFWAY HOUSE
Clark, Sharon	BHP Billiton Energy Coal South Africa Limited (BECSA)	MARSHALLTOWN
Coleman, Trevor	Golder Associates	HALFWAY HOUSE
Combrink, Johan	Emalahleni Local Municipality	WITBANK
Cronjé, André	Department of Minerals and Energy	BRAAMFONTEIN
Daya, P K S		WITBANK
Dlamini, Mbali	Department of Water Affairs (DWA)	NELSPRUIT
Dreyer, Attie	Golder Associates	HALFWAY HOUSE
Dreyer, Johannes	Ingwe surface Holdings Ltd	KNYSNA
Dreyer, Manie	Billiton Energy Coal South Africa (BECSA)	MARSHALLTOWN
du Plessis, Deon	Department of Minerals and Energy	WITBANK
Ebrahim, Mohammed		WITBANK
Esterhuysen, Graham	Trans African Concessions (TRAC)	VORNA VALLEY
Everingham, Geoffrey	Rietfontein Ptn 10,7 &18, Zandfontein Ptn 2,6,9, &10	RONDEBOSCH
Fakir, Naseema	Legal Resource Centre (LRC)	JOHANNESBURG
Fenyane, Priscilla	eMalahleni Local Municipality	WITBANK
Fenyane, Priscilla	eMalahleni Local Municipality	WITBANK
Grimsell, Amelia	Golder Associates	HALFWAY HOUSE
Groenenstein, Peter	Rocktuff Ready Mix Concrete	DIE HEUWEL
Gunther, Peter	Anglo American Thermal Coal	WITBANK
Haan, Michiel	Kromcor Beleggings (Pty) Ltd / Jumbo van der Merwe Trust	PRETORIA
Hartzer, Suzette	Vanchem Vanadium Products (Pty) Ltd	WITBANK
Hayes, Janel	Kleinkopje Colliery	WITBANK
Hlabane, Matthews	SA Green Revolutionary Council	WITBANK
Hlatywayo, Elsie	First Car Rental	WITBANK
Hugo, Jacques	Hugo and Venter Accountants CC	WITBANK
Janse van Vuuren, Vere	Telkom South Africa	MIDDELBURG
Kirsten, Johann	Samancor Chrome - Ferrometals	WITBANK
Kruger, Hilmer	Hilkru Family Trust	WITBANK
Kruger, Sonita	Anker Coal and Mineral Holdings	MIDDELBURG
Langa, Mangisi	eMalahleni Local Municipality	WITBANK
Lellaka, Thelma	National African Federated Chamber of Commerce and Industry (NAFCOC)	KWAGUQA
Liefferink, Mariette	Federation for a Sustainable Environment (FSE)	RIVONIA
Louw, Jennifer	eMalahleni Local Municipality	WITBANK
Lubbe, Leoni	Golder Associates	HALFWAY HOUSE
Mabokela, Tshupo	Tshwane University of Technology	BRAMLEY
Macevele, Stanford	Department of Water Affairs (DWA)	BRONKHORSTSPRUIT
Madden, Stan	Wildlife and Environment Society of South Africa (WESSA)	DUNNOTTAR
Maduna, Ernest	eMalahleni Local Municipality	WITBANK
Mahloko, W M	eMalahleni Local Municipality	WITBANK

FULL NAME	COMPANY	CITY
Malesa, Jacob	Department of Water Affairs (DWA)	BRONKHORSTSPRUIT
Maphoso, Abraham	Department of Minerals and Energy	WITBANK
Maphumulo, Zanele	Department of Water Affairs (DWA)	PRETORIA
Maraba, Cecilia	eMalahleni Local Municipality	ACKERVILLE
Maregele, Lerato	Earthlife Africa	BRAAMFONTEIN
Markham, Calvin	Witbank Aids and Environmental Awareness and Tourism Group	WITBANK
Marsh, Lawrence		LERAATSFONTEIN
Mashiane, Frans	Transnet Freight Rail	PUTFONTEIN
Mathebula, Elphas	eMalahleni Local Municipality	LYNNVILLE
Mautjana, Lerato	Department of Water Affairs (DWA)	BRONKHORSTSPRUIT
Mavimbela, Mbalenhle	eMalahleni Local Municipality	WITBANK
Meso, Kama	Department of Water Affairs (DWA)	BRONKHORSTSPRUIT
Mlangeni, Dominic	Pineridge Combined School	eMALAHLENI
Mnisi, Philix	Transnet	TASBET PARK
Moduka, Benjamin	Provincial Heritage Resources Authority	NELSPRUIT
Mogane, Belinda	LLT Flooring, Carpentry an Blinds	RYNO RIDGE
Mokoena, Agrinate	eMalahleni Local Municipality	eMALAHLENI
Mokonotela, Meshack	Golder Associates	HALFWAY HOUSE
Mokonyane, Martha	Department of Mineral Resources (DMR)	WITBANK
Moses, Moira	Transnet Capital Project	JOHANNESBURG
Moshapo, Victoria	Department of Minerals and Energy	WITBANK
Mthimunye, Charity	Mpumalanga Department of Economic Development, Environment and	WITBANK
Mukondeleli, D R	eMalahleni Local Municipality	WITBANK
Musekene, Ndange	Department of Water Affairs	PRETORIA
Naude, Tharina	Kloof Mining	WESTONARIA
Ndimande, P.	Empucukweni Secondary School	eMALAHLENI
Ndlovu, Shadrack	eMalahleni Local Municipality	WITBANK
Nhlanhla, Milly	eMalahleni Local Municipality	WITBANK
Nhlapo, Lesley	eMalahleni Local Municipality	WITBANK
Nhleko, Johannes	Mckenza Business Consultancy	WITBANK
Njapha, Tricia	Golder Associates	HALFWAY HOUSE
Nkabinde, Erald	eMalahleni Local Municipality	WITBANK
Nkoana, Tom	Ikangala Water Board	BRONKHORSTSPRUIT
Nomsa	Visit-Vakasha Town Lodge	eMALAHLENI
Ntoampe, Kellelo	Department of Environmental Affairs (DEA)	PRETORIA
Otto, Anna-Marth	Middelburg Chamber of Commerce	MIDDELBURG
Parker, Eric	eMalahleni Local Municipality	WITBANK
Phohlo, Zingisa	Department of Water Affairs (DWA)	BLOEMFONTEIN
Pholotho, Solomon	Landowner	ACKERVILLE
Pieterse, Johannes	Landowner	VAN RIEBEECKPARK
Pretorius, Koos	Federation for a Sustainable Environment (FSE)	BELFAST
Prinsloo, Kobus	eMalahleni Local Municipality	DIE HEUWEL
Rawheath, Roark	Samancor Chrome Limited	WITBANK
Shehzad, Tariq	Clewer Filling Station CC	WITBANK
Sibuyi, Venus	Department Public Works, Roads and Transport	MIDDELBURG
Smata, Rudzani	Department of Water Affairs (DWA)	NELSPRUIT
Smit, Roelf	Mpumalanga Tourism and Parks Agency	MIDDELBURG
Smith, Billy	Middelburg Bird Club	MIDDELBURG
Suttill, Malcolm	Wildlife and Environment Society of South Africa (WESSA)	WITBANK
Swart, Rianna	Minute Press	WITBANK
The Manager	Hilku Family Trust	WITBANK
Tshitangoni, Mpho	Department of Environmental Affairs (DEA)	PRETORIA
Tshivhalavhala, Godfrey	South African Heritage Resource Agency (SAHRA)	NELSPRUIT
Tswai, Dineo	Mpumalanga Department of Economic Development, Environment &	WITBANK
Vallero, Amanda	Hermans and Romans Property Solutions	
Valli, Ismail	Emerald Sky Trading 706 (Pty) Ltd	JOHANNESBURG
van Aswegen, Johann	Department of Water Affairs (DWA)	BRONKHORSTSPRUIT
van Eeden, Pieter	G O EnviroScience	NORKEM PARK
van Heerden, Anre	Highveld Steel and Vanadium Corporation Limited	WITBANK
Venter, Daan	Sutherland Stubb	RANDFONTEIN
Viljoen, Leonora	Zambli 9 Pty Ltd	CRESTA
Viljoen, Vanessa	Golder Associates	HALFWAY HOUSE
von den Brink, Ian	Strub Mining and Lubricants (SML)	WITBANK
Whitcutt, Mike	Wildlife and Environment Society of South Africa (WESSA)	LYNDHURST
Yorke-Hart, Michael	South African National Roads Agency Limited (SANRAL)	LYNNWOOD RIDGE

APPENDIX D3
Authority One-on-One Meetings

Dear Colleagues

**INVITATION TO AN AUTHORITIES MEETING: EIA - EXPANSION OF ITS EXISTING
EMALAHLENI MINE WATER RECLAMATION SCHEME**

As you are aware, Anglo Coal wishes to expand its existing eMalahleni Mine Water Reclamation Scheme, in the Mpumalanga Province. As part of the project, Anglo Coal is required to conduct an Environmental Impact Assessment (EIA). Golder Associates is conducting the EIA on behalf of Anglo Coal.

It is important for Golder Associates and the project team to meet with the provincial authorities early in the process to ensure that the Scoping Process and the EIA meets regulatory requirements.

We would highly appreciate it if you could be available for such a meeting.

Venue: Mpumalanga Department of Agriculture and Land Administration (MDALA)
(Cnr Justice and Kruger Streets, Piet Koornhof building, Witbank)

Time: 10:00 – 11:30

Date: Monday, 19 October 2009

Please let us know by 12:00 on Friday, 16 October 2009, whether you will be able to attend the meeting.

Thank you very much for your willingness to be available for this meeting. We look forward to meeting you and will value your participation and input.

Should you have any questions, need more information, or wish to raise issues of concern or suggestions, please contact:

Ms Qondile Sibiyi- tel: (011) 254 4846 / e-mail: qsibiyi@golder.co.za / fax: (011) 315 0317

Ms Vanessa Viljoen- tel: (011) 254 4911 / e-mail: vviljoen@golder.co.za / fax: (011) 315 0317

Yours faithfully



VANESSA VILJOEN

**Public Participation Office: EIA for proposed expansion of the existing eMalahleni Mine
Water Reclamation Scheme
(Project No: 12485)**



AGENDA: ANGLO COAL'S EXPANSION OF THE EMALAHLENI MINE WATER RECLAMATION SCHEME

Date: 19 October 2009
Venue: Mpumalanga Department of Agriculture and Land
Administration (MDALA) Offices
(Cnr Justice and Kruger Streets, Piet Koornhof
building, Witbank)
Time: 10h00 – 12h00

Purpose of meeting: The purposes of this meeting will be to:

- Introduce the proposed project to the MDALA;
- Discuss the EIA process to be undertaken; and
- Discuss MDALA's Participation and Role in the Authority Steering Committee.

Agenda items:

- 1) Welcome and Introduction (Brent Baxter, Golder Associates)
- 2) Presentation: Overview of Proposed Project (Pre-feasibility Study) (Attie Dreyer, Golder Associates)
- 3) Presentation: Environmental Impact Assessment (Brent Baxter, Golder Associates)
- 4) Discussion (All)
- 5) Closing

Brent Baxter

EIA Project Manager (EAP)

OC

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**ATTENDANCE REGISTER FOR DARDLA MEETING
ON 19 OCTOBER 2009**

**ENVIRONMENTAL IMPACT ASSESSMENT (EIA) FOR ANGLO COAL'S
EXPANSION OF THE eMALAHLANI MINE WATER RECLAMATION
SCHEME, eMALAHLANI, MPUMALANGA PROVINCE
(DARDLA REFERENCE NUMBER 17/2/2/1(e) NK-5**

Name	Company	City
Baxter, Brent	Golder Associates Africa (Pty) Ltd	HALFWAY HOUSE
Dreyer, Attie	Golder Associates Africa (Pty) Ltd	HALFWAY HOUSE
Lubbe, Leoni	Golder Associates Africa (Pty) Ltd	HALFWAY HOUSE
Mthimunye, Charity	Department of Agriculture, Rural Development and Land Administration (DARDLA)	WITBANK
Tswai, Dineo	Department of Agriculture, Rural Development and Land Administration (DARDLA)	WITBANK



MINUTES OF MEETING – THE ANGLO COAL EXPANSION OF THE EMALAHLENI MINE WATER RECLAMATION SCHEME

Project: 12485 – The eMalahleni Mine Water Reclamation Expansion Project
Meeting: DARDLA Meeting
Date: 19 October 2009
Time: 10h00 – 12h00
Venue: DARDLA Offices, Piet Koornhof Building, cnr Justice and Kruger Streets, Witbank

ACTION

1.0 Present

Attie Dreyer (AD)	Golder Associates Africa	AD
Brent Baxter (BB)	Golder Associates Africa	BB
Charity Mthimunye (CM)	DARDLA	CM
Dineo Tswai (DT)	DARDLA	DT
Leoni Lubbe (LL)	Golder Associates Africa	LL

2.0 Apologies

None

3.0 Welcome and Introduction

- BB welcomed everyone to the meeting, introduced the Golder representatives and thanked DARDLA for making the time available for the meeting.

4.0 Presentation: Overview of Proposed Project (Pre-Feasibility Study)

- AD gave a presentation on the work done during the Pre-Feasibility Phase of the project (March 2009 to July 2009); the study area; the various project options considered, including the preferred option; the basis of design; and the way forward.
- BB elaborated on the various mine water sources for the proposed project as well as the water qualities associated with each of the sources.
- DT wanted to know why it is not a viable option to treat excess mine water at the source (e.g. at Kromdraai), as opposed to bringing the water to a centralised point.
- AD explained that, since the mine is approaching Closure, it would not be feasible to locate a new Water Treatment Plant (WTP) at the mine (where the water will be sourced). It would be more practical to convey the excess mine water to the existing water treatment facility at Greenside Colliery, where existing infrastructure can be utilised. It is the intention that the existing WTP is the solution for mines in terms of their long term mine water management strategy, in support of their mine closure applications. The WTP will therefore be operated for many years to come, after all the mines have closed.



MINUTES OF MEETING – THE ANGLO COAL EXPANSION OF THE EMALAHLENI MINE WATER RECLAMATION SCHEME

ACTION

- BB added that the treatment of mine water results in wastes, such as brine and gypsum, and requires facilities for the disposal of such wastes. Should a number of WTPs be constructed at the mine water sources, the wastes would need to be managed in a number of different locations. Should all the wastes be generated at one centralised point, i.e. the WTP at Greenside Colliery, the wastes could be disposed of at one facility.
- CM mentioned that the final option in terms of mine water sources for the project will determine the pipeline route(s) to be used.
- BB explained that the project team is currently looking into a number of alternative pipeline routes, which are strongly influenced by where the water is coming from and the WTP location and infrastructure.
- AD explained that the inclusion of water from the old defunct workings at T&DB into the project in terms of a mine water source has been considered. BB also pointed out that the water quality from the old defunct workings at T&DB is very different to the water qualities of other mines in the area. The inclusion of this water into the mine water reclamation scheme would require a different water treatment technology and would result in significantly larger volumes of brine to be disposed. AD added that this would impact on the project significantly, particularly in terms of costs.
- CM said that she is worried about the quality of the water associated with the old defunct mines.
- CM noted that the proposed expansion project will have a positive effect on the study area with regards to employment possibilities and quality of life of the people living in the area.
- AD continued by saying that, subsequent to further investigating the various scheme options, it was decided that the water from T&DB would be managed separately. In addition, it was decided that remaining defunct mines (except for Middleburg Steam and Station Collieries (MS&S)) will not form part of the regulatory process for the expansion project.
- BB added that proposed collection pipeline routes for the proposed project have been located in close proximity to the old defunct mines so that these mines could form part of the mine water reclamation scheme in future.
- DT wanted to know whether the project team has consulted the relevant authority in terms of including the old defunct mines into the scheme. DT asked whether this process would hold back the project.
- AD answered that the project team has consulted the Department of Mineral Resources (DMR) and will continue to do so. Anglo Coal would like to commence with construction by middle 2010. There is the possibility that the approval process involved with the inclusion of the old defunct mines into the scheme will not be completed by mid 2010. The project team has, however, considered the possibility of including these mines during the design of the project components; the collection pipelines will be designed to have the capacity to accommodate these additional sources.
- BB added that the project team will consult DMR again in the near future. Ownership and administration associated with the defunct mines fall under the responsibilities of two different entities. Andre Cronje from the DMR and his team are running an independent process where they are asking the industry for independent proposals on treating the water and specific treatment for T&DB.



- CM said that the future inclusion of the water from the defunct mines into the scheme is acceptable.
- BB pointed out that if a private mine wants to be included into the scheme in the future, Anglo Coal will make a decision based on whether the scheme can accommodate the additional water or not.

5.0 Presentation: Environmental Impact Assessment

- BB gave a brief presentation and overview on the Integrated Regulatory Process, including the Environmental Impact Assessment Process and the Public Participation Process.
- CM wanted to know if eMalahleni will be able to accommodate the additional waste streams generated from the scheme.

BB answered that the project team is conducting a technical audit of the existing waste disposal facilities for the scheme. The audit will consider projected waste volumes for the expansion project and current capacity of the existing waste facilities. Based on the findings of the audit, a decision will be made as to whether additional waste facilities will need to be constructed. Should additional facilities be required, the facilities permitted in Phase 1 of the project will be constructed. It is important to note that expansion of the scheme was already considered in Phase 1 of the scheme; waste disposal site footprints already permitted as part of Phase 1 of the project will therefore be constructed for the expansion project, should they be required.

BB said that in order to reach the timeline Anglo Coal wants to follow (i.e. construction commencing mid 2010) the EIA process needs to be started immediately. As part of this process, technical evaluations along the proposed pipeline routes would be conducted. There are a number of pipeline route alternatives that AD explained in his presentation.

- BB added that clearances are also needed from the South African Heritage Resource Agency and that, as part of the EIA, wetland and ecology issues will be addressed. BB mentioned that it is not anticipated that significant environmental issues will be associated with the pipeline routes. BB also mentioned that the lifespan of the project is 20 years.

BB wanted to know from DARDLA whether the newspaper advert to announce the proposed project could be placed in the newspaper without a DARDLA reference number (i.e. before the EIA was registered with the DARDLA).

CM answered that this was not possible; however, the DARDLA could provide an EIA reference number within a few days so as not to delay the announcement process.

- CM added that she is concerned about the new Waste Act, and implications in terms of the Integrated Regulatory Process to be followed.
- BB said that the project team is currently looking into the implications of the waste related activities associated with the project in terms of the new legislation, i.e. the NEMWA. BB pointed out that it is the intention to conduct one overarching EIA process which addresses all impacts associated with the project, including waste related activities. This EIA would then inform the various EMP amendments (for Landau Colliery and Greenside Colliery in particular) as well as an application for a Waste Management Licence, should it be required.



MINUTES OF MEETING – THE ANGLO COAL EXPANSION OF THE EMALAHLENI MINE WATER RECLAMATION SCHEME

ACTION

- CM said that the project team should speak to Joe Mabuza in the DARDLA Waste Section.
 - BB mentioned that the old MS&S Collieries are defunct mines which Anglo Coal has inherited through land acquisition. These mines do not have EMPs. Anglo Coal is currently looking at how to manage Closure issues associated with these mines in consultation with the DMR.
 - CM asked which defunct mines could be sources of mine water for the scheme.
 - BB replied that the defunct mines not owned by Anglo Coal include T&DB, Douglas 1, 2 and 3 and Coronation Collieries.
 - BB said that he will provide CM with a copy of the BID. Golder
 - CM mentioned that all correspondence related to the project should be forwarded to DT. CM also requested that the presentation be emailed to DT to give to the official who will be running with this project. Golder
 - DT said that the alignment of the NEMWA and EIA processes might be a lengthy and problematic process, since there are no systems in place amongst the various departments to deal with the NEMWA process. DT advised that Golder distributes the EIA documents to the different departments.
 - CM wanted to know where the treated water will be distributed.
 - AD explained that the water will be treated to potable standards and distributed either to the Witbank Reservoir via the existing distribution pipeline or to the Kwa Guqua Reservoir via a newly constructed pipeline. AD added that the municipality has indicated that they would prefer the water going to the Kwa Guqua Reservoir.
 - CM added that residents are complaining about the quality of the water being provided from the Kwa Guqua Reservoir.
 - BB said that the municipality is planning to build an additional reservoir to supply the Kwa Guqua community. Anglo Coal has various quality control procedures in place which involves the testing of water coming out of the WTP, before it is sent to the Municipality. How the water is managed at the reservoirs on the receiving end falls under the responsibility of the Municipality.
 - CM pointed out that complaints regarding poor water quality may be lodged during the Public Participation process.
- DT wanted to know who will be constructing the additional reservoir.
- AD answered that the Municipality will be constructing the additional reservoir in the near future.
- CM confirmed that the EIA process is clear, and that it will not take as long as Phase 1 of the project. CM added that it needs to be ensured that the Department of Water Affairs (DWA) is involved in the decision-making process.- CM said that Golder should provide the DARDLA with the completed EIA application form. The DARDLA would then provide Golder with the reference number, register the project and inform Golder who will be the official who will be managing the project. DARDLA

6.0 Meeting Closure

BB thanked everyone for attending the meeting. The meeting was adjourned.



MINUTES OF MEETING – THE ANGLO COAL EXPANSION OF THE EMALAHLENI MINE WATER RECLAMATION SCHEME

Brent Baxter

EIA Project Manager (EAP)

GOLDER ASSOCIATES AFRICA (PTY) LTD

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AGENDA: THE ANGLO COAL EXPANSION OF THE EMALAHLENI MINE WATER RECLAMATION SCHEME

Date: 06 November 2009

Venue: eMalahleni Local Municipality Offices
(Cnr President and Kruger Streets, eMalahleni Civic Centre, Witbank)

Time: 09h30 – 10h30

Purpose of meeting: The purposes of this meeting will be to:

- Introduce the proposed project to the municipality;
- Discuss infrastructure components related to the project, e.g. pipelines and reservoir;
- Discuss the Integrated Regulatory Process, including the EIA, to be undertaken; and
- Discuss the municipality's participation and role in the Authority Steering Committee.

Agenda items:

- 1) Welcome and Introduction (Attie Dreyer, Golder Associates)
- 2) Presentation: Overview of Proposed Project (Pre-feasibility Study) (Attie Dreyer, Golder Associates)
- 3) Presentation: Integrated Regulatory Process (Olivia Chapman, Golder Associates)
- 4) Discussion (All)
- 5) Closing

Olivia Chapman

EIA Project Co-ordinator

OC

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**ENVIRONMENTAL IMPACT ASSESSMENT (EIA) FOR ANGLO COAL'S
EXPANSION OF THE eMALAHLENI MINE WATER RECLAMATION
SCHEME, eMALAHLENI, MPUMALANGA PROVINCE
(DARDLA REFERENCE NUMBER 17/2/2/1(e) NK-5**

Name	Company	City
Chapman, Olivia	Golder Associates Africa (Pty) Ltd	HALFWAY HOUSE
Dreyer, Attie	Golder Associates Africa (Pty) Ltd	HALFWAY HOUSE
Gunther, Peter	Anglo Coal	WITBANK
Lubbe, Leoni	Golder Associates Africa (Pty) Ltd	HALFWAY HOUSE
Mahloko, W M	eMalahleni Local Municipality	WITBANK
Ndlovu, Shadrack	eMalahleni Local Municipality	WITBANK
Nhlapo, Lesley	eMalahleni Local Municipality	WITBANK
Parker, Eric	eMalahleni Local Municipality	WITBANK
Prinsloo, Kobus	eMalahleni Local Municipality	DIE HEUWEL



MINUTES OF MEETING - 12485 EMALAHLENI LOCAL MUNICIPALITY PRE-CONSULTATION MEETING

Project: 12485 – The eMalahleni Mine Water Reclamation Expansion Project
Meeting: eMalahleni Local Municipality Pre-Consultation Meeting
Date and Time: 06 November 2009 – 09h30
Venue: eMalahleni Local Municipality Offices, eMalahleni Civic Centre, Cnr. President and Kruger Streets, Witbank

ACTION

1.0

Present

Attie Dreyer	Golder Associates Africa	AD
Eric Parker	eMalahleni Local Municipality	EP
Kobus Prinsloo	eMalahleni Local Municipality	KP
Leoni Lubbe	Golder Associates Africa	LL
Lesley Nhlapo	eMalahleni Local Municipality	LN
Olivia Chapman	Golder Associates Africa	OC
Peter Günther	Anglo Coal	PG
Shadrack Ndlovu	eMalahleni Local Municipality	SN
W M Mahloko	eMalahleni Local Municipality	WM

2.0

Welcome and Introduction

- PG welcomed everyone present to the meeting and gave a brief introduction of the proposed Project.
- The members present introduced themselves.

3.0

Overview of Proposed Project (Pre-feasibility Study)

- AD and PG presented the work done during the Pre-Feasibility Phase of the Project (March 2009 to July 2009), with specific reference to the project background, the study area, the basis of design, the various options considered including the preferred option and the way forward.
- During the presentation the following were discussed and noted:
 - The detail assessment of the proposed scheme's impact on the catchment area and specifically Loskop Dam shows a significant improvement in terms of water quality without a significant change in the yield.
 - The assessment of the ELM's current water supply vs. the predicted growth in demand reflects a substantial shortfall that will increase over time. EP, SN and KP agreed that the results of the assessment is in line with their own calculations and therefore seem to be accurate.
 - PG pointed out that they are having discussions with the major role players in the area to assess where more facilities are needed to be built and who needs/wants the water. It is clear out of these discussions that, post 2015, there will be a substantial increase in the demand for water in the area despite new dams and pipelines being built and water will become very expensive (up to R17/kilo litre).
 - PG stated that the cost to implement the proposed scheme and to treat the water is high.



ACTION

The preferred collection, conveyance and distribution pipeline corridors forming part of the proposed scheme will have to cross properties not owned by Anglo Coal, among others property owned by the ELM, all of which are subject to the standard application and approval processes. EP agreed to assist the project team with information and guidance in order to determine the most optimised routing of the pipelines over Municipal properties.

PG stated that of the new 25MI to be treated, 20MI will be available for distribution to the ELM. It is however important to keep in mind that the Municipal's point where the water will be distributed to must be able to accept the 20MI on a constant basis. SN indicated that the KwaGuqa Reservoir is the preferred distribution point but that it may not have the capacity to accept 20MI on a constant basis. SN will assist the project team in providing flow data at the KwaGuqa Reservoir. Further investigation and discussions will be required to finalise the distribution point(s).

4.0 Integrated Regulatory Process

- OC gave a brief overview of the Integrated Regulatory Process, Environmental Impact Assessment Process and the Public Participation Process as well as the associated timelines and current status on each of these processes.
- The following were discussed and noted:
 - The existing footprint of the plant will not increase in size.
 - The waste facilities will not change now. Future waste facilities are already permitted. .
 - The focus of the Environmental Impact Assessment will be on the collection, conveyance and distribution pipelines.
- OC stated that due to the number of key authorities involved in the regulatory process, it is proposed that a Authorities Steering Committee (ASC) be established that will meet approximately four times during the course of the regulatory process. The purpose of the ASC meetings will be:
 - To provide feedback on the progress of the project. .
 - To present the latest findings of the various activities, investigations and studies forming part of the project.
 - To assist with co-ordinating the various regulatory processes.

5.0 The Way Forward

- OC inquired as to whom from the ELM should be invited to the first ASC meeting to be held on 26 November 2009. LN stated that before anything else Anglo Coal to submit a formal letter to the Municipal Manager. The letter must describe the proposed project as well as what will be required from the Municipality's side. The Municipal Manager can then decide on how the Municipality will respond to and participate in terms of these requirements.

PG



**MINUTES OF MEETING - 12485 EMALAHLENI LOCAL
MUNICIPALITY PRE-CONSULTATION MEETING**

Attie Dreyer

Project Manager

GOLDER ASSOCIATES AFRICA (PTY) LTD

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AGENDA: THE ANGLO COAL EXPANSION OF THE EMALAHLENI MINE WATER RECLAMATION SCHEME

Date: 06 November 2009
Venue: Department of Water Affairs Offices
(22 Rooth Street, Olifants building, Bronkhorstpruit)
Time: 12h30 – 14h00

Purpose of meeting: The purposes of this meeting will be to:

- Introduce the proposed project to the DWA;
- Discuss the Integrated Regulatory Process, including the WUL process, to be undertaken; and
- Discuss DWA's participation and role in the Authority Steering Committee.

Agenda items:

- 1) Welcome and Introduction (Attie Dreyer, Golder Associates)
- 2) Presentation: Overview of Proposed Project (Pre-feasibility Study) (Attie Dreyer, Golder Associates)
- 3) Presentation: Integrated Regulatory Process (Olivia Chapman, Golder Associates)
- 4) Presentation: Water Use Licence Application Process (Lee Boyd, Golder Associates)
- 5) Discussion (All)
- 6) Closing

Olivia Chapman
EIA Project Co-ordinator

OC

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**ENVIRONMENTAL IMPACT ASSESSMENT (EIA) FOR ANGLO COAL'S
EXPANSION OF THE eMALAHLINI MINE WATER RECLAMATION
SCHEME, eMALAHLINI, MPUMALANGA PROVINCE
(DARDLA REFERENCE NUMBER 17/2/2/1(e) NK-5**

Name	Company	City
Boyd, Lee-Ann	Golder Associates Africa (Pty) Ltd	HALFWAY HOUSE
Chapman, Olivia	Golder Associates Africa (Pty) Ltd	HALFWAY HOUSE
Dlamini, Mbali	Department of Water Affairs (DWA)	NELSPRUIT
Dreyer, Attie	Golder Associates Africa (Pty) Ltd	HALFWAY HOUSE
Lubbe, Leoni	Golder Associates Africa (Pty) Ltd	HALFWAY HOUSE
Malesa, Jacob	Department of Water Affairs (DWA)	BRONKHORSTSPRUIT
Mantjawa, Lerato	Department of Water Affairs (DWA)	BRONKHORSTSPRUIT
Meso, Kama	Department of Water Affairs (DWA)	BRONKHORSTSPRUIT
Smata, Rudzani	Department of Water Affairs (DWA)	NELSPRUIT



Project: 12485 – The eMalahleni Mine Water Reclamation Expansion Project
Meeting: Department of Water Affairs Pre-Consultation Meeting
Date and Time: 06 November 2009 – 12h30
Venue: Department of Water Affairs Offices, 22 Rooth Street, Olifants Building, Bronkhorstspuit

ACTION

1.0

Present

Attie Dreyer	Golder Associates Africa	AD
Jacob Melesa	Department of Water Affairs	JM
Kama Meso	Department of Water Affairs	KM
Lee Boyd	Golder Associates Africa	LB
Lerato Mautjana	Department of Water Affairs	LM
Leoni Lubbe	Golder Associates Africa	LL
Mbala Dlamini	Department of Water Affairs	MD
Olivia Chapman	Golder Associates Africa	OC
Rudzani Smata	Department of Water Affairs	RS

2.0

Welcome and Introduction

- AD welcomed everyone present to the meeting.
- The members present introduced themselves.
- AD briefly discussed the purposes of the meeting:
 - To introduce the proposed Project to the DWA;
 - To present the work done during the Pre-Feasibility Phase of the Project;
 - To present and discuss the envisaged Integrated Regulatory Process to be undertaken; and
 - To discuss the DWA’s role and participation in the Authorities Steering Committee;

3.0

Presentation: Overview of Proposed Project (Pre-feasibility Study)

- AD presented the work done during the Pre-Feasibility Phase of the Project (March 2009 to July 2009), with specific reference to the project background, the study area, the basis of design, the various options considered including the preferred option and the way forward.
- The following were discussed and noted:
 - The detail assessment of the proposed scheme’s impact on the catchment area and specifically Loskop Dam shows a significant improvement in terms of water quality without a significant change in the yield.
 - MB wanted to know if Anglo will continue with the abstraction and treatment of water after mine closure. AD replied that it will be addressed through the Kromdraai mine closure plan.



4.0 Presentation: Integrated Regulatory Process

- OC gave a brief presentation and overview of the Integrated Regulatory Process, Environmental Impact Assessment Process and the Public Participation Process as well as the associated timelines and current status on each of these processes.
- The following were discussed and noted:
 - The existing footprint of the plant will not increase in size.
The waste facilities will not change now. Future waste facilities are already permitted.
 - The focus of the Environmental Impact Assessment will be on the collection, conveyance and distribution pipelines as well as the regional impact of the proposed Scheme.
 - There will be amendments required to the existing Scheme's Water Use Licence as well as the participating mines' Water Use Licences.
Guidance will be required from DWA if the Section under the old Water Act are still be applicable specifically w.r.t. Water Treatment Plants and Water Care Registration.
 - Application was submitted to DARDLA (previously MDALA) who issued a reference number.
- OC stated that due to the number of key authorities involved in the regulatory process, it is proposed that a Authorities Steering Committee (ASC) be established that will meet approximately four times during the course of the regulatory process. The purpose of the ASC meetings will be:
 - To provide feedback on the progress of the project. .
 - To present the latest findings of the various activities, investigations and studies forming part of the project.
 - To assist with co-ordinating the various regulatory processes.

5.0 Presentation: Water Use Licence Application Process

- LB gave a brief presentation and overview on the Water Use Licence Application Process
- The following were discussed and noted:
 - There is a need to determine whether the new abstractions are (a's) or (j's). DWA to provide guidance on which ones to be applied for.
 - No additional reservoirs for storage of treated water will be required (21b).
 - Several 21g's are already in place for disposal of the Gypsum and Brine. It is envisaged that the additional disposal of waste can be included under the Water Use Licence Application.
 - A few aspects were omitted from the existing WUL for eMalahleni Water Treatment Plant when it was issued.
 - The existing balancing dams at the Plant were applied for under the original WUL for the Plant but were omitted when the licence was issued. This will need to be addressed now under the WULA.
 - Current WUL was issued in 2007.
 - DWA to provide guidance if the proposed changes can be addressed



ACTION

by way of and Amendment to the existing WUL.

6.0 The Way Forward

- Confirmation from the DWA needs to be obtained i.t.o. the following:
 - Which of the new abstractions will need to be applied for under Section 21(a) and which under Section 21(j)?
 - Will a WUL Amendment or new WUL need to be applied for the scheme?
 - Will Anglo Coal need to register the WTP as a water care works under the old Water Act?
- OC inquired as to whom from the ELM should be invited to the first ASC meeting to be held on 26 November 2009.
 - JM stated that Kama Meso should be invited from the Regional Office side (she will also be the contact person in DWA).

Attie Dreyer

Project Manager

GOLDER ASSOCIATES AFRICA (PTY) LTD

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AGENDA: THE ANGLO COAL EXPANSION OF THE EMALAHLENI MINE WATER RECLAMATION SCHEME

Date: 09 November 2009

Venue: Department of Mineral Resources Offices
(Cnr Kruger and Botha Streets, Province building,
Witbank)

Time: 13h30 – 14h30

Purpose of meeting: The purposes of this meeting will be to:

- Introduce the proposed project to the DMR;
- Discuss the Integrated Regulatory Process, including the EMP Amendment process to be undertaken;
- Discuss project infrastructure components, i.e. pipelines, traversing defunct mine property;
- Discuss the implications of including Middleburg Steam and Station Collieries into the proposed expansion scheme; and
- Discuss DMR's participation and role in the Authority Steering Committee.

Agenda items:

- 1) Welcome and Introduction (Peter Gunther, Anglo Coal)
- 2) Presentation: Overview of Proposed Project (Pre-feasibility Study) (Peter Gunther, Anglo Coal)
- 3) Presentation: Integrated Regulatory Process (Olivia Chapman, Golder Associates)
- 4) Discussion (All)
- 5) Closing

Olivia Chapman

EIA Project Co-ordinator

OC

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**ENVIRONMENTAL IMPACT ASSESSMENT (EIA) FOR ANGLO COAL'S
EXPANSION OF THE eMALAHLENI MINE WATER RECLAMATION
SCHEME, eMALAHLENI, MPUMALANGA PROVINCE
(DARDLA REFERENCE NUMBER 17/2/2/1(e) NK-5**

Name	Company	City
Chapman, Olivia	Golder Associates Africa (Pty) Ltd	HALFWAY HOUSE
Cronjé, André	Department of Minerals and Energy	WITBANK
Gunther, Peter	Anglo Coal	WITBANK
Lubbe, Leoni	Golder Associates Africa (Pty) Ltd	HALFWAY HOUSE
Mokonyane, Martha	Department of Minerals and Energy	WITBANK



MINUTES OF MEETING – THE ANGLO COAL EXPANSION OF THE EMALAHLENI MINE WATER RECLAMATION SCHEME

Project: 12485 – The eMalahleni Mine Water Reclamation Expansion Project
Meeting: Department of Mineral Resources
Date: 09 November 2009
Time: 13h30 – 14h30
Venue: Department of Mineral Resources Offices, cnr Kruger and Botha Streets, Province Building, Witbank

ACTION

1.0 Present

André Cronje	Department of Mineral Resources	AC
Leoni Lubbe	Golder Associates Africa	LL
Martha Mokonyane	Department of Mineral Resources	MM
Olivia Chapman	Golder Associates Africa	OC
Peter Günther	Anglo Coal	PG

2.0 Welcome and Introduction

- PG welcomed everyone present to the meeting.

3.0 Presentation: Overview of Proposed Project

- PG gave a presentation on the work done during the Pre-Feasibility Phase of the project (March 2009 to July 2009); the study area; the various project options considered, including the preferred option; the basis of design; and the way forward.
- PG clarified that a number of regulatory processes will also be conducted for the proposed project, including an EIA, Water Use Licence Application, and EMP amendments for the participating and/or affected mines.
- AC commented that it is best that a water utility does not form part of a mine's EMP. In no way should the water utility become Government's liability after mine closure. It should be a sustainable solution, whereby the costs to operate and maintain the utility are self-sustaining.
- PG replied that the Anglo Coal Trust Fund (pollution control fund) provides for water desalination. This fund will provide for any future capital replacements, building of new waste facilities as well as where a shortfall on operating costs occur. The revenue generated from selling the water to the Municipality only covers roughly a third of the costs to treat the water; the remaining costs are subsidised by Anglo Coal through the trust fund. PG added that contributions to the Trust Fund are revised regularly, based on the operating costs of the scheme for a certain period. PG added that a cost breakdown of the Anglo Coal trust fund is presented to the DMR on an annual basis. PG also mentioned that Anglo Coal is currently investigating possible external parties to operate the water reclamation scheme upon mine closure.



MINUTES OF MEETING – THE ANGLO COAL EXPANSION OF THE EMALAHLENI MINE WATER RECLAMATION SCHEME

ACTION

- MM confirmed that she has attended such meetings during which the cost breakdown of the Anglo Coal trust fund has been presented.
- AC asked if the existing Water Treatment Plant (WTP), which will be expanded, forms part of the EMP for Greenside Colliery.
- PG confirmed that the WTP does indeed form part of the Greenside Colliery EMP; EMP addendums were compiled for each of the mines participating in the scheme.
- AC asked which mines are state-owned mines.
- PG replied that state-owned mines include the ownerless mines such as T&DB, Coronation, and Old Douglas 1, 2 and 3 Collieries.
- AC requested that Anglo Coal meet with the DMR within the next 2 weeks to discuss the inclusion of Middleburg Steam and Station Collieries into the expansion of the scheme (specifically in terms of the vehicle under which rehabilitation, including mine water management, and hence closure, will be authorised) as well as to discuss the trust fund for the water reclamation scheme. Anglo Coal
- AC further requested that reference is no longer made to “state owned defunct mines” or “state owned property”. Instead, these mines should be referred to as “defunct mines”, “derelict” or “ownerless”. Also, landownership associated with the defunct mines should be reflected as “public works”.
- PG mentioned that the project team has considered the possibility of including these defunct mines into the scheme in terms of the design of the various project components, e.g. the collection pipelines have been designed to have the capacity to accommodate these additional mine water sources, should the decision be made to include them into the scheme.
- AC and MM pointed out that there is a possibility that prospecting right applications have been submitted to the DMR for some of the defunct mines. This needs to be taken into consideration during the routing of pipelines on these properties. MM added that some rehabilitation work has also been conducted at T&DB. Again, this needs to be considered during the pipeline route selection process. Anglo Coal
- AC recommended that a letter addressed to Deon du Plessis at the DMR be compiled indicating the following:
 - Intention of the proposed project.
 - Properties (farm portions) associated with defunct mines on which a proposed pipeline route is located, e.g. T&DB.
 - Requesting information in terms of mining related applications made for the relevant properties.
- AC clarified that placing a pipeline or infrastructure over “state owned” land is not a problem as long as it goes into the appropriate EMP; permission should be obtained from Public Works.
- PG asked who should be invited from the DMR to the first Authority Steering Committee (ASC) meeting to be held on 26 November 2009. He added that the main aims of such meetings would be to share the latest information available regarding the project, to give specialist study feedback and to assist with co-ordinating the various regulatory processes.



MINUTES OF MEETING – THE ANGLO COAL EXPANSION OF THE EMALAHLENI MINE WATER RECLAMATION SCHEME

ACTION

AC replied that usually the DMR does not attend such combined authorities meetings. However, due to the unique nature of the proposed project, the DMR may attend the ASC. He confirmed that the invitations can be forwarded to himself and MM. AC also added that there is a possibility that all environmental regulators will be attending a mining/environment Indaba during the week of 26 November 2009. Should, the indaba be held during this time, AC recommended that Golder sets a new date for the meeting.

Golder

- AC mentioned that the general public should realise that water treatment is an environmental cost which should be part of a mine's EMP.
- PG mentioned that at the first ASC meeting, Golder could present the findings of a catchment study which has been conducted as part of the feasibility phase of the project. During the presentation, the impacts of the proposed project on the catchment by removing the pollutants can be presented.

Golder

4.0 MEETING CLOSURE

- PG thanked everyone for attending the meeting. The meeting was adjourned.

Olivia Chapman

EIA Project Manager

GOLDER ASSOCIATES AFRICA (PTY) LTD

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APPENDIX D4

Announcement Documents - Background Information Document

Dear Stakeholder

ENVIRONMENTAL IMPACT ASSESSMENT (EIA) FOR THE ANGLO COAL EXPANSION OF THE eMALAHLANI MINE WATER RECLAMATION SCHEME, eMALAHLANI, MPUMALANGA PROVINCE (DARDLA REFERENCE NUMBER 17/2/2/1(e) NK-5)

Anglo Operations Limited (Pty) Ltd (Anglo Coal) proposes to expand the capacity of the existing eMalahleni Mine Water Reclamation Scheme in eMalahleni (Witbank). The existing scheme involves collecting excess mine water from Greenside Colliery and Kleinkopje, treating it to potable water standards at the Water Treatment Plant, and distributing the treated water to eMalahleni Municipality's water reservoirs at Witbank and KwaGuqa. The Water Treatment Plant is located at Greenside Colliery and has the capacity to treat 25 megalitres (Ml) of mine water per day.

The proposed expansion of the scheme will involve expanding the capacity of the Water Treatment Plant to treat 50Ml of mine water per day. The additional excess mine water will be sourced from the Kromdraai, Excelsior and Navigation Sections of Landau Colliery, and the defunct Middelburg Steam and Station Collieries, for which Greenside Colliery has environmental responsibility.

The treatment of the additional mine water sources will mitigate impact to the environment from existing and previous mining activities in the eMalahleni area, assist Government with their Regional Closure Strategy, and increase potable water supply to meet the demand in the Witbank area.

An EIA is being undertaken in terms of the EIA Regulations GN R.385, R.386 and R.387 under the National Environmental Management Act, 1998 (Act 107 of 1998). Anglo Coal has submitted an application for an Environmental Authorisation to the Department of Agriculture, Rural Development and Land Administration (DARDLA), the lead authority for the EIA. The EIA and public participation process will be conducted by Golder Associates Africa, an independent environmental consultant.

Important milestones in the EIA process

- **Project announcement and stakeholder registration:** The attached Background Information Document (BID) provides more information about the project and EIA process. You are formally invited to register as an interested and affected party (I&AP) and to participate in the EIA process. **The due date for I&AP registration and comment on the BID is Friday, 20 November 2009.**
- **Public review of the Draft Scoping Report:** The Draft Scoping Report will be available for public review from **Monday, 23 November 2009 to Wednesday, 20 January 2010**; at several public places in the project area (see attached list).
- An Open House to comment on the DSR will be held **on Thursday, 03 December 2009** from 12h00 – 18h00 at Del Amor, eMalahleni, (map attached).
- **Public review of the Draft EIA Report:** The Draft EIA Report containing the findings of the EIA is expected to be available for public comment in March/April 2010.

Draft Scoping Report and its accompanying Reports

In accordance with the NEMA, the purpose of the DSR is for interested and affected parties to verify that their contributions have been captured, and correctly understood. Issues raised by stakeholders, along with issues identified by the environmental technical specialists, will be used to define the terms of reference for Specialist Studies that will be conducted during the Impact Assessment Phase of the EIA. The terms of reference will be included for public review as the final chapter in the Draft Scoping Report.

The report will be updated and submitted to the lead authority for the EIA, **Department of Agriculture, Rural Development and Land Administration (DARDLA)**. DARDLA will, in consultation with the local authorities in the Province, consider the proposed scope to be addressed by the EIA specialist studies and will approve their preparation, subject to any necessary amendments to the scope that must be implemented.

Registration as Interested and Affected Party

In order to register as an interested and affected party in terms of Regulation 57 of the EIA Process Regulations (GNR 385), please do so by completing and returning the reply sheet appended to this letter. Only stakeholders that have registered will receive further notification of opportunities for comment. Directly affected landowners and the authorities will automatically be included in the register.

How to comment on the BID?

You are welcome to comment on the BID by:

- Completing the enclosed registration and comment sheet and submitting it to the Public Participation Office by **Friday, 20 November 2009**;
- Writing a letter or additional written submission;
- By email, fax or telephone to the public participation office.

How to comment on the Draft Scoping Report?

Please use the **enclosed reply sheet and return it by Friday, 13 November 2009** to request your own copies of the reports if you intend to comment. The full set of reports will be available at the public places listed in an appendix to this letter. In addition, the Draft Scoping Report, and its appendices will also be available on the following website: www.golder.com. You can comment by:

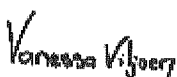
- Completing the comment sheet enclosed with the reports; writing a letter, or producing additional written submissions; by email or telephone to the public participation office.
- By attending the Open House on **Thursday, 3 December 2009** at Del Amor in eMalahleni. The Open House will provide stakeholders with an opportunity to meet on a one-on-one basis and in small groups with the EIA team to discuss the contents of the Draft Scoping Report, verify that their issues have been captured correctly, and to raise further issues. Information will be presented visually, and you are welcome to arrive any time between 12h00 and 18h00 on the day of the Open House. Small-group discussions will take place in the language of choice of participants.

Should you have any questions, need more information, or wish to raise issues of concern or suggestions, please contact the public participation office:

Ms Vanessa Viljoen - tel: (011) 254 4911 / e-mail: vviljoen@golder.co.za / fax: (011) 315 0317

Ms Qondile Sibiyi - tel: (011) 254 4846 / e-mail: qsibiyi@golder.co.za / fax: (011) 315 0317

Yours sincerely



VANESSA VILJOEN

Public Participation Office: EIA for the proposed Expansion of the eMalahleni Mine Water Reclamation Scheme

Enclosed:

- Registration and comment sheet accompanying the Background Information Document
- Reply sheet to request materials and to attend the Open House
- List of public places where the full set of reports will be available
- Map to the venue

<p>ENVIRONMENTAL IMPACT ASSESSMENT FOR ANGLO COAL'S EXPANSION OF THE eMALAHLENI MINE WATER RECLAMATION SCHEME</p> <p>REGISTRATION AND COMMENT SHEET</p> <p>Accompanying Background Information Document November 2009</p>	<p>Golder Associates Africa EIA PUBLIC PARTICIPATION OFFICE</p> <p>Vanessa Viljoen / Qondile Sibiya P O Box 6002, Halfway House, 1685 Tel: (011) 254 4911/4946 Fax: (011) 315 0317 E-mail: vviljoen@golder.co.za or qsibiya@golder.co.za</p>
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Please complete and return to the EIA Public Participation Office (as above) by no later than Friday, 20 November 2009

TITLE		FIRST NAME	
INITIALS		SURNAME	
ORGANISATION			
POSTAL ADDRESS			POSTAL CODE
LAND LINE TEL NO		CELL NO	
FAX NO		EMAIL	

REGISTRATION AS AN INTERESTED AND AFFECTED PARTY (I&AP) (please mark applicable box with X)

Please formally register me as an interested and affected party (I&AP) so that I may receive further information and notifications during the EIA process	YES	NO
I would like my notifications by:		
Letter (mail)	E-mail	Fax
I would like to receive documents for comment as follows:		
Paper copies	By email	On CD
In terms of GNR 385 (EIA process regulations) I disclose below any direct business, financial, personal or other interest that I may have in the approval or refusal of the application:		

COMMENTS (please use separate sheets if you wish)

I suggest that the following issues of concern be investigated in the EIA:

.....

I suggest the following for the public participation process:

.....

Any other comments:

.....

Please register the following people as I&APs for this EIA:

.....

PLEASE TELL US:

Was this Background Information Document useful? Why do you say so?

.....

THANK YOU FOR YOUR CONTRIBUTION

NAME:	SIGNATURE:	DATE:

<p align="center">ENVIRONMENTAL IMPACT ASSESSMENT FOR ANGLO COAL'S EXPANSION OF THE eMALAHLENI MINE WATER RECLAMATION SCHEME</p> <p align="center">REPLY SHEET FOR</p> <p align="center">Draft Scoping Report and accompanying reports, and to register for the Open House</p> <p align="center"><i>Please complete and return by Friday, 13 November to the Public Participation office (see alongside)</i></p>		<p align="center">Golder Associates Africa EIA PUBLIC PARTICIPATION OFFICE</p> <p align="center">Vanessa Viljoen / Qondile Sibiyi P O Box 6002, Halfway House, 1685 Tel: (011) 254 4911/4946 Fax: (011) 315 0317 E-mail: vviljoen@golder.co.za or qsibiyi@golder.co.za</p>			
TITLE		FIRST NAME			
INITIALS		SURNAME			
ORGANISATION					
ADDRESS					
		POSTAL CODE			
TEL NO		FAX NO			
EMAIL		CELL NO			
I would like to receive a copy of the following: (Please circle the appropriate block) (Documents sent by email will be in small-format PDF - low-resolution)					
Background Information Document			Paper copy		
			By email		
			On CD		
Draft Scoping Report			Paper copy		
			By email		
			On CD		
Comment and Response Report			Paper copy		
			By email		
			On CD		
Map set and property registers (only electronically):			By email		
			On CD		
<p>OPEN HOUSE, 12:00 – 18:00</p> <p>I would like to attend the following open house (please circle the appropriate block)</p> <p>If you have indicated yes, you will receive a Draft Scoping Report before the meeting.</p>					
Del Amor, eMalahleni, Thursday, 03 December 2009 (Map attached)			<table border="1"> <tr> <td>YES</td> <td>NO</td> </tr> </table>	YES	NO
YES	NO				

THANK YOU FOR YOUR RESPONSE

NAME:	SIGNATURE:	DATE:
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**ENVIRONMENTAL IMPACT ASSESSMENT FOR
ANGLO COAL'S EXPANSION OF THE eMALAHLENI MINE
WATER RECLAMATION SCHEME**

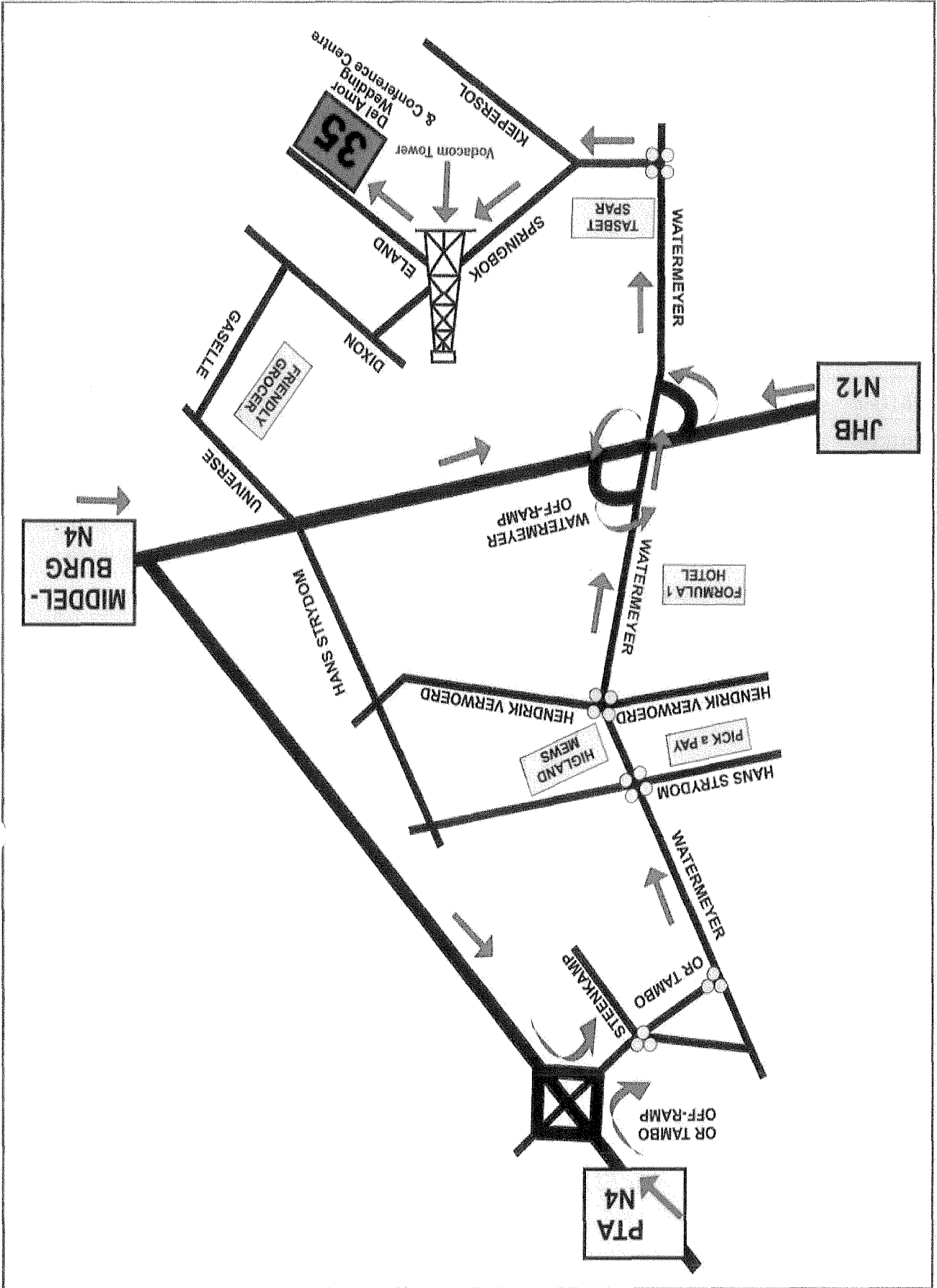
**PUBLIC PLACES WHERE THE DRAFT SCOPING REPORT
AND ACCOMPANYING REPORTS WILL BE AVAILABLE**

Monday, 23 November 2009 to Wednesday, 20 January 2010

Reports for public comment consist of:

- Background Information Document.
- Draft Scoping Report.
- Comment and Response Report.
- Map set and property registers.

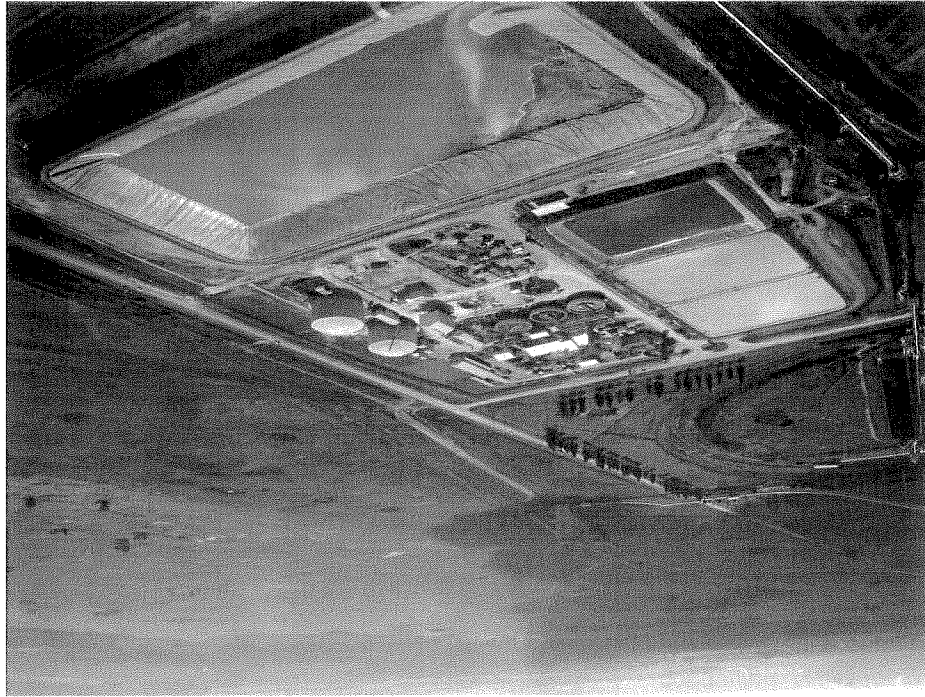
Public place	Locality	Contact person	Telephone
eMalahleni Public Library	eMalahleni	Ms Lindi van Papendorp	(013) 690 6446
Klipfontein Public Library	eMalahleni	Ms Elsabe Naude	(013) 697 3514
Middelburg Public Library	Middelburg	Mrs Shirley Xulu	(013) 249 7314
Anglo Coal	Groenfontein Farm (outside eMalahleni)	Ms Riza Strauss	(013) 691 5450/ 082 457 0932
KwaGuqa Public Library	KwaGuqa	Mrs Renny Mabuza	(013) 695 3157
Golder Associates Africa	Midrand	Ms Qondile Sibiya	(011) 254 4846



**ENVIRONMENTAL IMPACT ASSESSMENT (EIA)
FOR THE ANGLO COAL PROPOSED
EXPANSION OF THE EMALAHLENI MINE
WATER RECLAMATION SCHEME
DARDLA REFERENCE NUMBER 17/2/1(E) NK-5**

**BACKGROUND INFORMATION
DOCUMENT AND INVITATION
TO COMMENT**

Due date for comment: 20 November 2009



Golder Report Number: 12485-9262-2



BACKGROUND INFORMATION DOCUMENT

A world of capabilities delivered locally





The proposed expansion will involve expanding the capacity of the existing Water Treatment Plant (WTP) at Greenside Colliery to treat approximately 50 Mℓ of mine water per day. The additional excess mine water will be sourced from Landau Colliery and the defunct Middelburg Steam and Station Collieries. The components of the proposed expansion project will comprise (Figure 2):

- Collection of excess mine water from Landau Colliery (Kromdraai, Excelsior and Navigation Sections), and the defunct Middelburg Steam and Station Collieries, for which Greenside Colliery has environmental responsibility;
- Installation of conveyance systems to transfer excess mine water to the existing WTP;
- Upgrading of the existing WTP where mine water is treated to potable water standards;
- Distribution of treated water to an existing municipal water reservoir; and
- The disposal of waste generated during the mine water treatment process at the WTP, and/or at existing mine waste disposal facilities.

In terms of integrated waste management, downstream uses of the waste will be assessed.

Anglo Coal has submitted an application for an Environmental Authorisation to the Department of Agriculture, Rural Development and Land Administration (DARDLA) the lead authority for the EIA, in terms of the National Environmental Management Act (Act 107 of 1998) and the EIA Regulations GN R.385, R.386 and R.387. An EIA is being undertaken in terms of the National Environmental Management Act, 1998 (Act 107 of 1998). The EIA and public participation process will be conducted by Golder Associates Africa (Pty) Ltd (Golder), an independent environmental consultant.

An Integrated Regulatory Process will be undertaken in parallel with the EIA and will include: Environmental Management Programme (EMP) amendments for the participating/affected mines, in terms of the Mineral and Petroleum Resources Development Act 2002, (Act 28 of 2002); amendment to the existing Water Use Licence (for the existing scheme), in terms of the National Water Act, 1998 (Act 36 of 1998); and potentially, a Waste Licence Application, in terms of the National Environmental Management: Waste Act, 2008 (Act 59 of 2008).

This Background Information Document (BID) provides stakeholders with initial information about the proposed project, alternatives that are being considered, the EIA process and how to register as an Interested and/or Affected Party (I&AP).

Public Participation

Should you have any queries or comments regarding the project, please contact the Golder Public Participation Office:

Vanessa Viljoen / Qondile Sibiyi
 Golder Associates Africa
 P O Box 6001,
 Halfway House, 1685
 Tel: (011) 254 4911
 Fax: (011) 315 0317

Email: viljoen@golder.co.za / qsibiyi@golder.co.za

Anglo Operations Limited (Pty) Ltd. (Anglo Coal) proposes to expand the capacity of the existing eMalahleni Mine Water Reclamation Scheme in eMalahleni, Mpumalanga Province.

Project history

In 2004/2005, a joint initiative project between Anglo Coal and BHP Billiton was undertaken to establish a Mine Water Reclamation Scheme in the eMalahleni (Witbank) area (Figure 1). A collection system was set up to pump excess mine water from Kleinkopje Colliery, Greenside Colliery and South Witbank Colliery to a central Water Treatment Plant (WTP) where it is treated to potable water standards, and distributed to the municipal water reservoir for redistribution to eMalahleni. In addition, some neutralised water is distributed to the mines for their use.

The project was undertaken because:

- The eMalahleni Local Authority required a supplementary water resource to support local economic growth and job creation; and
- The local collieries needed a long-term solution for handling excess mine water.

An Environmental Impact Assessment (EIA) was conducted by Golder in 2005, in terms of the previously applicable regulations under the Environment Conservation Act, 1989 (Act 73 of 1989).

A positive Record of Decision (RoD) for the EIA was received from the Mpumalanga Department of Agriculture and Land Administration (MDALA) in November 2005. Construction of the project components started soon after in late 2005. The new WTP was commissioned in 2007 and has been officially operational since October 2007.

The existing mine water reclamation scheme currently consists of the following, amongst others:

- A mine water collection system taking water from Kleinkopje Colliery, Greenside Colliery and South Witbank Colliery to a central treatment facility;
- Three mine water storage dams each with a capacity of 48 Megalitres (Mℓ);
- WTP (with a capacity of 25 Mℓ per day (Mℓ/day);
- Two potable water storage reservoirs, each with a capacity of 10 Mℓ;
- Potable water pump station and distribution pipeline to the eMalahleni municipal reservoir;
- Brine pond; and
- An existing mine residue disposal facility used for disposal of waste sludge.



Proposed project

The Kromdraai and Excelsior Sections of Landau Colliery will be approaching closure in 2017. A long-term pre-and post-closure water management plan is required for these mines. Furthermore, a number of old defunct mines are located in the same area. The Brugspruit Water Pollution Control Works was constructed by the Department of Water Affairs to treat some of the decanting mine water from these defunct mines. Greenside Colliery (of Anglo Coal) carries the environmental responsibilities for two of these mines, namely the Middleburg Steam and Station Collieries, and would like to develop a permanent water management plan for this section.

Alternatives Considered for Management of Excess Mine Water

As part of a pre-feasibility study, the following options for the management of mine water were considered:

- Transferring water to the existing Brugspruit Water Pollution Control Works (constructed by the Department of Water Affairs) to treat water from defunct mines in a centralised water reclamation plant;
- Transferring water to the existing eMalahleni Mine Water Reclamation Scheme's WTP for treatment in an expanded plant; and
- Transferring water from WTPs at the Kromdraai Sections of Landau Colliery, Brugspruit Water Pollution Control Works, and Middelburg Steam and Station Collieries to be treated in 3 individual water reclamation plants.

A Preferred Long-term Solution for Impacts to Water

The preferred option was to install a mine water collection system that will transfer mine water to the existing eMalahleni Mine Water Reclamation Scheme's WTP (see Figure 1). This will:

- Accommodate the additional mine water volumes;
- Increase the existing WTP capacity from 25 Ml/day to 50 Ml/day; and
- The additional 25 Ml/day capacity will allow for the reclamation of mine water from other sources in the area.

Benefits of the Project

The treatment of the mine water will mitigate impacts from existing and previous mining in the eMalahleni area; assist Government with their Regional Closure Strategy; and increase potable water supply to meet the demand in the eMalahleni area..

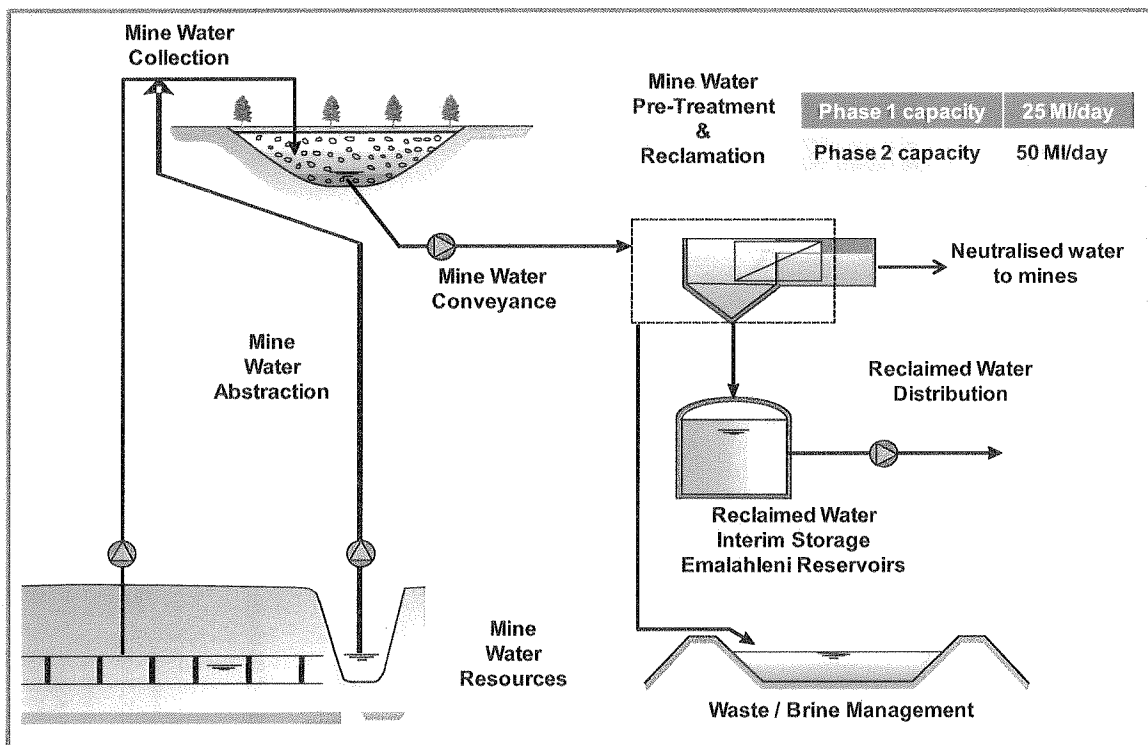


Figure 1: A schematic of the proposed expansion of the eMalahleni Mine Water Reclamation Scheme

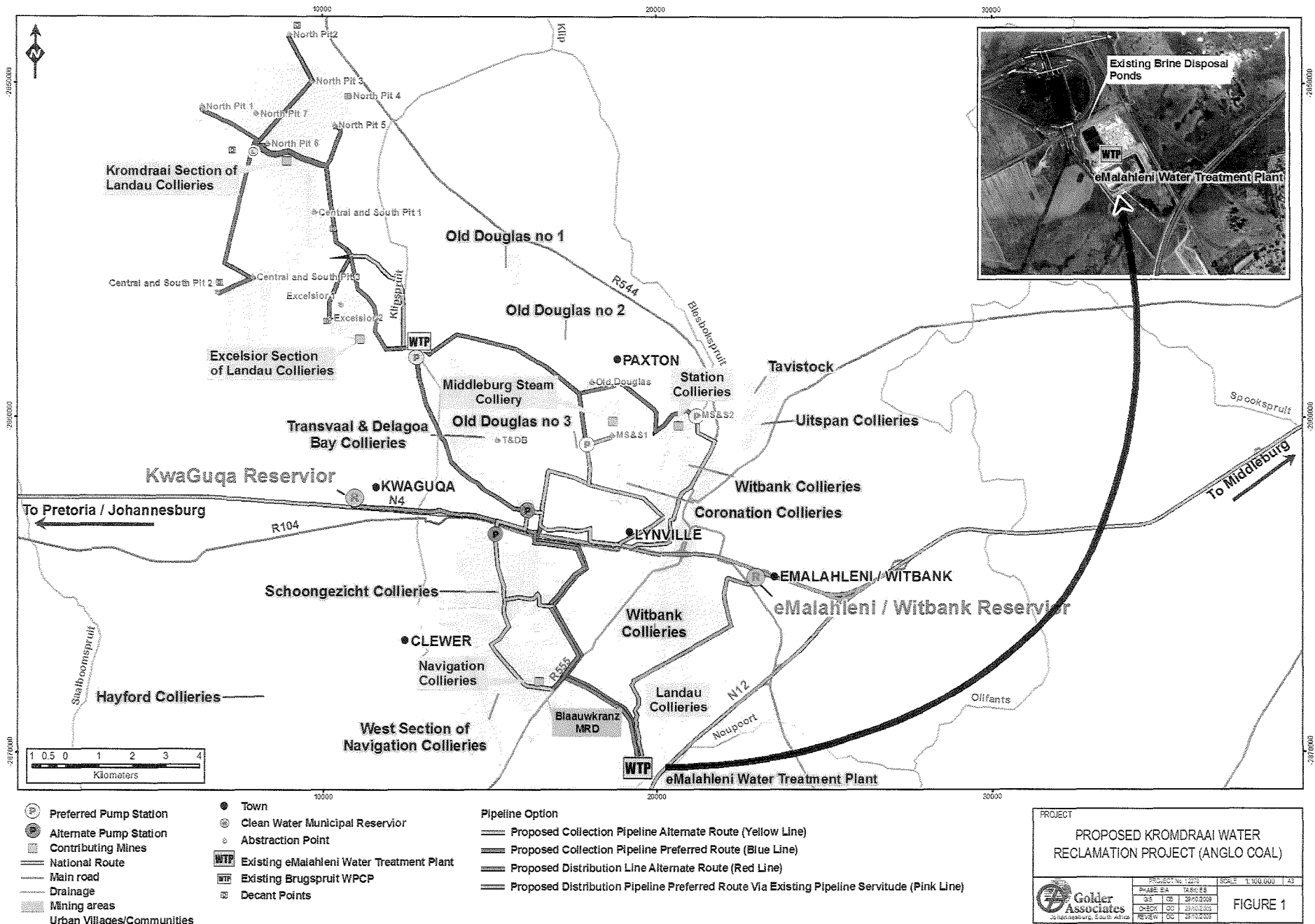


Figure 2: Locality of the proposed project components



Project Components

Mine Water Sources

For the proposed expansion project, additional mine water will be sourced.

Table 1 Existing and additional mine water sources

Phase 1 Existing water sources	Ml/day	Kleinkopje	Navigation Colliery	Greenside Colliery	South Witbank Colliery	Total
			13	2.5	6.0	3.5
Phase 2 Additional water sources	Ml/day	Kromdraai and Excelsior Sections of Landau Colliery	Navigation Section of Landau Colliery	Middelburg Steam and Station Collieries	Other mine water sources (still under investigation)	Total
			10	8	2	5

Mine Water Collection and Transfer Systems

Kromdraai and Excelsior Sections

At the Kromdraai and Excelsior Sections mine water is currently being sourced from the underground workings and from points where water is decanting to the surface. The water is then pumped to a liming plant, where it is neutralised and any excess water is released into the Kromdraaispruit. As part of the proposed project, mine water will continue to be abstracted at these points, but will be pumped to a centralised collection point, such as the existing underground mine void at Central and South Pit 1, and from there, be pumped via a new pipeline to the Water Treatment Plant at Greenside Colliery (see Figure 2). Excess neutralised water may still be released into the Kromdraaispruit. However, at closure, it is anticipated that no water will be released into the Spruit.

Navigation Section

Surface water and mine water from the opencast operations are pumped to the existing Water Treatment Plant at Greenside Colliery. The existing pipeline infrastructure may be used to transfer additional mine water to the Water Treatment Plant, or a new pipeline, located within an existing servitude, may be constructed for this purpose.

Middelburg Steam and Station Collieries

Water from these defunct operations are currently decanting into surface water channels which flow into the Klipspruit. The proposed new project infrastructure will allow water to be abstracted from the underground workings and pumped via new pipelines to either (refer to Figure 2):

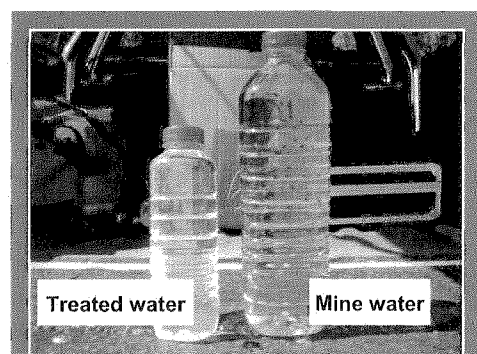
- Join the Kromdraai and Excelsior pipeline at the Brugspruit Water Pollution Control Works, in a north-west direction, or
- Join the Kromdraai and Excelsior pipeline in a south-west direction.

Water Treatment Plant Expansion

The existing 25 Ml/day Water Treatment Plant at Greenside Colliery was designed to accommodate a future expansion (double-up) (Figure 3). The proposed increase in capacity to 50 Ml/day can be accommodated without expanding the existing footprint, which is 8 hectares in extent.

The water treatment process is based on a number of steps, including:

- Neutralisation and metals removal;
- Desalination; and
- Reverse Osmosis permeate streams are combined, stabilised (using calcium carbonate) and disinfected, (using chlorine).



Photograph 1: The proposed project will continue treating mine water to potable standards



Treated Water Distribution

The capacity of the existing reservoirs may need to be increased to accommodate the additional volumes. From the Water Treatment Plant, the treated water will either be pumped to:

- The eMalahleni municipal water reservoir; or
- The KwaGuqa municipal water reservoir.

The distribution system will accommodate 25 Ml/day of treated water. In addition, some neutralised water will continue to be distributed to the mines for their use.

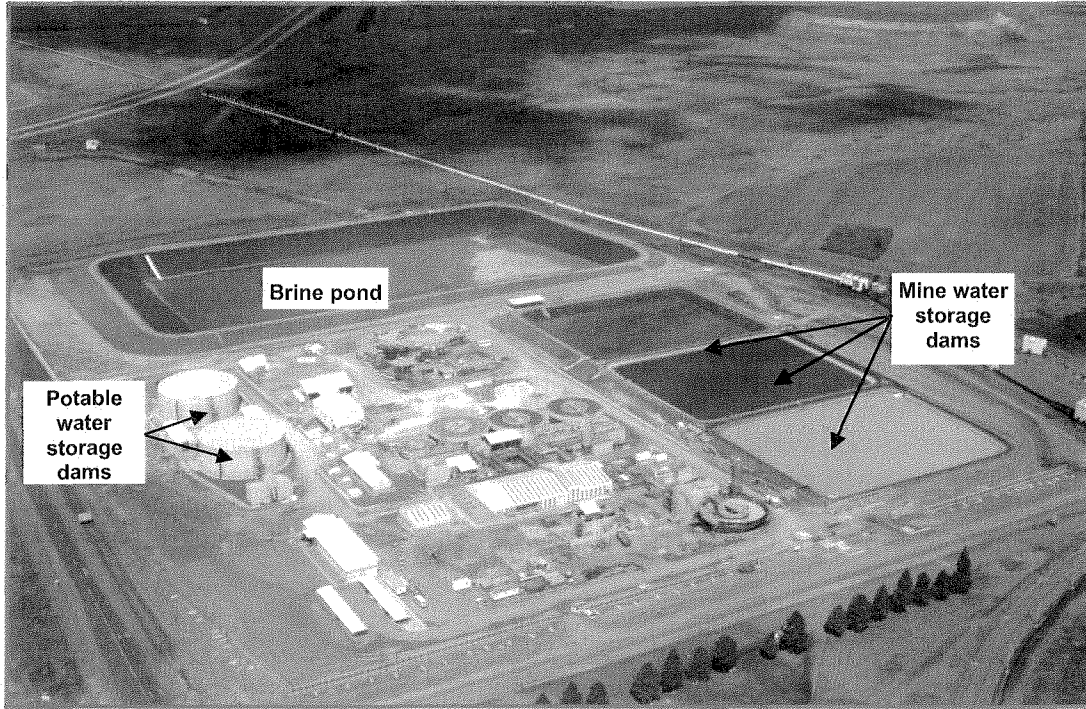


Figure 3: The existing Water Treatment Plant

Waste Generation and Disposal

Two main waste types are currently generated and disposed of separately.

Waste type	Description
Gypsum sludge	Formed when lime is added to the mine water and metals such as calcium, iron, and manganese precipitate. The gypsum is dewatered to produce a gypsum cake. As part of the existing project, the Department of Water Affairs approved the disposal of the gypsum with the Blaauwkrans coal discard at Navigation.
Brine	The brine, a salty concentrate, is generated from the Reverse Osmosis Plant and contains similar elements as the gypsum sludge, but the brine is not dewatered. A brine waste facility was built adjacent to the WTP to accommodate the liquid brine waste. The brine waste is prevented from reaching the environment through a system of controls: a double liner, a leachate collection layer and an under-drainage system below the double liner.

The proposed expansion of the WTP will result in an increase in quantities of gypsum and brine water from the Plant. However, before proposing expansion of the existing waste management facilities, the lifespan of the existing facilities will be verified. The disposal of gypsum and brine are both authorised under the Scheme's Water Use Licence in terms of the National Water Act, 1998 (Act 36 of 1998). If required, the licence may be amended to accommodate the additional waste volumes to be treated in the existing waste management facilities. In terms of integrated waste management, downstream uses of the waste will also be assessed.

Pipeline Route Selection

A preliminary conveyance and distribution pipeline route selection process has been undertaken as part of the pre-feasibility study. Routes were identified and selected, based on aspects such as property ownership, future mining, existing pipeline/powerline/railway servitudes, infrastructure crossings (e.g. N4), environmental and social aspects. The alternative routes are indicated on Figure 2.



Environmental Impact Assessment

An Environmental Impact Assessment (EIA) for the Anglo Coal expansion of the eMalahleni Mine Water Reclamation Scheme is being undertaken. The Environmental Impact Assessment (EIA) for the proposed project will be conducted in terms of the National Environmental Management Act, 1998 (Act 107 of 1998) (NEMA) and the EIA regulations GN R385, R386 and R387 of 2006. The findings of the EIA will enable Anglo Coal and the authorities to make an informed decision on whether the project should proceed (or not).

Who is conducting the EIA?

In line with Integrated Environmental Management Principles, Anglo Coal has appointed Golder Associates Africa (Pty) Ltd, an independent, internationally recognised company of environmental, waste and water engineers and public participation practitioners to conduct the EIA for the expansion of the eMalahleni Water Reclamation Scheme.

The lead authority for the EIA is the Department of Agriculture, Rural Development and Land Administration (DARDLA). The EIA and public participation process will be conducted by Golder Associates Africa (Pty) Ltd.

Activities which have been identified as Listed Activities in terms of the EIA Regulations, dated April 2006, under the NEMA, include the following:

GN R386, dated April 2006 (activities requiring Basic Assessment)

- 1(k) Bulk transportation of water in pipelines with an internal diameter greater than 0.36 m and a peak throughput greater than 120ℓ/s;
- 1(m) Any purpose in the one in ten year flood line of river or stream, or within 32 metres from the bank of a river or stream where the flood line is unknown;
- 1(n) The off-stream storage of water, including dams and reservoirs, with a capacity of 50 000 cubic metres or more;
- 12 The transformation or removal of indigenous vegetation of three hectares or more of any size where the transformation or removal would occur within a critically endangered or an endangered ecosystem listed in terms of section 52 of the National Environmental Management: Biodiversity Act, 2004 (Act No 10 of 2004);
- 13 The abstraction of groundwater exceeding generally authorised volumes; and
- 25 The expansion of or changes to existing facilities for any process or activity, which requires an amendment of an existing permit or licence or a new permit or licence in terms of legislation governing the release of emissions, pollution, effluent, unless the facility for the process or activity is included in the list of waste management activities published in terms of Section 19 of the NEMWA, 2008, in which case the activity is regarded to be excluded from this list.

GN R387, dated April 2006 (activities requiring full EIA)

- 1(e) Any process or activity which requires a permit or licence in terms of legislation governing the generation or release of emissions, pollution, effluent or waste and which is not identified in GN R386 of 2006 or included in the list of waste management activities published in terms of Section 19 of the NEMWA, 2008 in which case the activity is regarded to be excluded from this list; and
- 1(n) The transfer of 20 000 cubic metres per day or more between water catchments or impoundments.

Public Participation

In terms of the NEMA Regulations (GN R385), you are invited to formally register yourself as an interested and/or affected party (I&AP). Please do so by 20 November 2009, by using the included registration and comment sheet. The process and time frames are as follows:

Announcing the opportunity to participate and register, November 2009

- Progress feedback letter to all stakeholders on the database to announce the project as well as the availability of the draft scoping report;
- Distribution of the Background Information Document; and
- Newspaper advertisements, site notices, phone calls.

Obtaining initial comment, November 2009

- Providing this BID and maps to libraries and other public places in the project area and on www.golder.co.za;
- Pre-consultation with authorities;
- Focus group meeting with key stakeholders; and
- Capturing all comments in a Comments and Response Report.

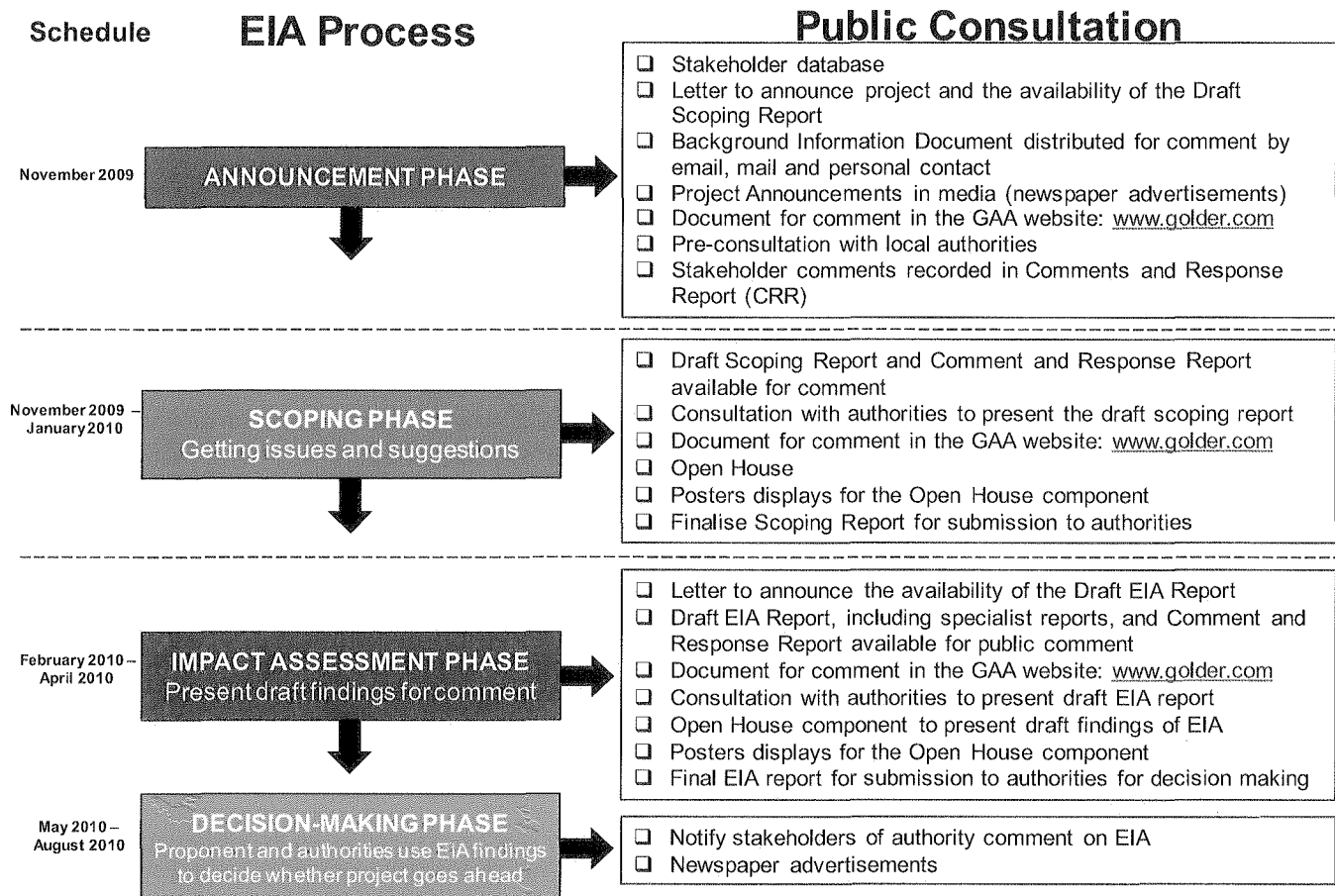


Scoping, November 2009 – January 2010

- Distribution of Draft Scoping Report containing full project description, including remaining alternatives, to registered I&APs. A one month comment period will be provided for stakeholders to comment on the Report;
- Open House and further contact with private landowners to obtain comment on the Draft Scoping Report;
- Final Scoping Report, including EIA plan of study, submitted to DARDLA for consideration on whether the impact of assessment phase of the EIA may be completed; and
- Progress feedback letter to all stakeholders on the database.

Impact Assessment, February – April 2010

- Progress feedback letter to all stakeholders on database;
- Distribution of reports containing findings of EIA to registered I&APs, one month comment period;
- Open House and further contact with private landowners to obtain comments; and
- Final report submitted to DARDLA for consideration of authorisation.



Your registration as an I&AP and comments are important

The purpose of the EIA is to provide the authorities with sufficient information on which to base a decision on whether to grant environmental approval to the proposed project or not, and if yes, under which conditions. The contributions of stakeholders from all sectors of society will assist in informed decision-making. Golder invites all stakeholders to participate freely, and to submit any comments or information they feel may be useful. Address details appear on page 1.

APPENDIX D5

Newspaper Advertisements

community news

Could not walk, now Sakevrou, ma en modepop



Juan-Di Oosthuysen (19).

A young man who could not walk three weeks after being tackled in a Puma suit four years ago is still full of passion for rugby and plays in the u.19 Puma team. Juan-Di Oosthuysen (19) was born in Witbank Hospital and since then he has stayed in eMalahleni. He attended Robert Carruthers Primary School where he did swimming, played soccer, hockey and in Grade 6 started his rugby career. Juan-Di attended Hoër Tegniese Skool where he played rugby and cricket. After school he was offered a bursary to play rugby at Potchef-

A few doctors who saw Juan-Di said that he wouldn't be able to walk again and while he was at home for the first two or three days he couldn't feel his legs at all

stream University. He turned it down and started studying Law through Unisa. When he was 15 he was the Puma's Mascot and went with his dad to an Amateur Rugby Day in Lydenburg. His dad John was the referee for the day and announcement after announcement was made on the loud speaker that nobody should tackle the mascot. The night before Juan-Di and his father secured the head of the mascot outfit, so that it did not fall off when Juan-Di picked up children. After his dad was finished refereeing for the day another rugby team asked Juan-Di if he would not run out onto the field for the last time in the Puma outfit. "My dad said that I should wait for him as he went to change his clothes and then he would walk out with me onto the field," recalls Juan-Di. A father approached Juan-Di and asked him if his son could have a photo with him. As Juan-Di put the child down, he had a huge blow and he was on the ground and unable to move. The person who tackled him ran away. The head landed approximately

15 metres onto the rugby field. "I had pins and needles in my feet and I was taken to hospital by ambulance," recalls Juan-Di. After spending some time in Lydenburg Hospital his parents decided to bring him back home to continue his recovery. His parents drove back to eMalahleni to fetch a mini-bus and he was transported home on a spinal board. A few doctors who saw Juan-Di said that he wouldn't be able to walk again and while he was at home for the first two or three days he couldn't feel his legs at all. "At that point it felt like my whole world came to an end and all I wanted to do was to go back to school," said Juan-Di. His father said that a doctor would come and take a look at the injuries and say that all that was needed is time. One day a pastor came and prayed for Juan-Di and a few days later when the cat rubbed against his foot he could feel it. After a lot of rehab and hard work Juan-Di started walking again and now plays rugby for the Puma's u.19 team. "It is my passion and dream to play rugby," said Juan-Di with a smile.



Pragtige ma en dogter en Jomari Jordaan (8) h ewereld aan die praas suksesvolle nuwe stek

Sakevrou, ma en onle Elzarie Jordaan glo d jaar van wonderwerke Die dinamiese en vru jarige vrou moes al h kou in haar lewe maan deursettingsvermo wanner uit die stryd g Elzarie en haar dogte wat slegs van die begin af modelwerk doen naam Jomari (8) September by die Mrs Africa 2009 a geëndig. As mens na haar slanke l

postuur en sprankelende oë kyk sou mens nie kon sê dat sy al wonderbaarlik die stryd teen kanker gewen het nie. Elzarie is werklik 'n lewendige getuigenis van God se genade en liefde en voorbeeld van hoe die Here jou oneindige krag kan gee in oomblikke van swakheid. Elzarie en Jomari het Mpumalanga verteenwoordig by die model kompetisie en Elzarie was die enigste deelneemer van ons kontrei. "Die beoordelaars het ons nie net op 'looks' beoordeel nie, maar op persoonlikheid en karakter," het Elzarie gesê. Elzarie het baie ver gekom van die begin van die jaar se Valentynskompetisie wat sy gewen het. "Ek dank die Heer elke dag vir die geleentheid om met Hy nou op my pad te wees. Ek sou nooit kon hartbeespoortdam in 'n gehoor probeer van my kinderdad bewaarheid nie." Sy gaan Suid-Afrika volgende jaar verteenwoordig by die Wêreld Model Kamp geles. Ameri Elzarie ook tifikant ver enige model. "Ek is baie komende S heel eerste bedryf en bedryf bietjie wat hul ge doen het," het sy gesê.

Drome word waar



Angelique van der Berg is een van die top 100 FHM modelle van die jaar.

Vanaf baba toe peuter na kleuter en tiener en nou op die drumpel van die begin van sy lewe as 'n jongmens, so het sy drome ook al groter en groter geword. Angelique van der Berg het 'n vervulling van 'os sy maar eendag 'n model kan wees'. "Ek wil die gevoel van algemene vervulling beleef deur elke dag Sy droom te leef deurdat ek bly glo het in my droom, alles is moontlik deur my Skepper en deur die bystand van die mense om my solank ek net bly glo," het Angelique gesê. Die mooi meisie is gebore in 1989

in Mokopane en het kort daarna verhuis na Barberton waar sy haar laerskool loopbaan voltooi het. Gedurende die tyd het sy onder leiding van Heidi Visser van Model Manifest haar model loopbaan begin. Angelique was 'n leerling van Hoërskool Generaal Hertzog en daarna 'n leerling van Hoërskool Bergvlam in Nelspruit. Gedurende hierdie tydperk het sy gewet modelwerk is wat sy baie graag wil doen maar die roete wat sy gevolg het, het haar op 'n verbypad geneem tot weer in

eMalahleni. Angelique het verlede jaar by Central Developments in eMalahleni begin werk as Projek Bemarker en soos sy gegroei het in haar loopbaan so het sy ook elke dag besef hoe graag sy weer haar passie vir fotografeer modelwerk wil uitleef. "Die afgelope twee jaar was ek die een voor die lens vir al my vriende en familie wat wou oes om daardie een perfekte foto te neem," het sy gesê. Hierdie jaar het sy besluit om deel te neem aan die FHM 2010 Model van die Jaar kompetisie vir blootstelling. "Ek was baie opgewonde toe ek gekies is as een van die 100 finaliste. Dit het my wildste drome oortref en my weereens laat besef alles is moontlik as ek net hard genoeg probeer en glo dat alles moontlik is," het sy gesê. Angelique het ongelooflike deursettingsvermoë, staan op vir dit waarin sy glo en haar morele waardes speel 'n baie belangrike rol in die besluite wat sy maak. "My vriende speel ook 'n baie groot rol in my lewe aangesien ek van mense hou en kuier graag saam met my vriende. Ek is 'n 'girlie girl' en daarom natuurlik mal oor mooi aantrek en alles wat daarmee saamgaan". Die modelle word met stemme verkies en daarom is dit belangrik dat alkeen wat 'n selfoon besit vir Angelique stem deur MODEL 7 na 34973 te sms of gaan na www.fhm.co.za en plaas jou stem daar.

INVITATION TO PARTICIPATE
ENVIRONMENTAL IMPACT ASSESSMENT (EIA) FOR ANGLO COAL EXPANSION OF THE eMALAHLENI MINE WATER RECLAMATION SCHEME
(DARDLA REFERENCE NUMBER 17/2/21(e) NK-5)

Anglo Coal, represented by Anglo Operations Limited (Pty) Ltd., wishes to expand the capacity of the existing eMalahleni Mine Water Reclamation Scheme. This will be accomplished by increasing the capacity of the existing Water Treatment Plant (WTP) at Greenside Colliery from approximately 25Ml per day to 50Ml per day to cater for additional mine water sources.

The proposed project will consist of:

- Collection of excess mine water from Landau Colliery and the defunct mines which Greenside Colliery is responsible for. Additional mine water sources are currently being investigated;
- Installation of pipelines to transfer mine water to the existing WTP;
- Upgrading of the existing WTP where mine water is treated to potable water standards;
- Distribution of treated water to an existing municipal water reservoir; and
- Disposal of waste generated during the mine water treatment process at the WTP site, on/ or at existing mine waste disposal facilities.

The treatment of the additional mine water sources will mitigate impact to the environment from existing and previous mining activities in the eMalahleni area, assist Government with their Regional Closure Strategy, and increase potable water supply to meet the demand in the eMalahleni area. In pursuing the concept of integrated waste management, downstream uses of the waste (generated during the mine water reclamation process) as materials in the building industry, will also be assessed as part of the proposed project.

ENVIRONMENTAL IMPACT ASSESSMENT

An EIA is being undertaken in terms of the National Environmental Management Act, 1998 (Act 107 of 1998). The lead authority for the EIA is the Department of Agriculture, Rural Development and Land Administration (DARDLA). The EIA and public participation process will be conducted by Golder Associates Africa.

An Integrated Regulatory Process will be undertaken in parallel with the EIA and will include: Environmental Management Programme (EMP) amendments for the participating/ affected mines, in terms of the Mineral and Petroleum Resources Development Act 2002, (Act 28 of 2002); amendment to the existing Water Use License (for the existing scheme), in terms of the National Water Act, 1998 (Act 36 of 1998); and potentially, a Waste Licence Application, in terms of the National Environmental Management Act, 2008 (Act 59 of 2008).

To register as an interested and affected party (I&AP) and to obtain a Background Information Document, please contact:

Vanessa Viljoen/ Clondile Sibilya
 Golder Associates Africa (Pty) Ltd
 P O Box 6001, Halfway House, 1685
 Tel: 011 254 4911/ 4846 Fax: 011 315 0317
 email: viljoen@golder.co.za / qsibilya@golder.co.za

Due date for registering as an I&AP: 20 November 2009

community news

No stands for church



St Moses Apostolic Church has been established in 1979, and according to the congregation, the government has promised them a stand on which they can build their church.

"To this date, they have refused to speak to us or give us our promised land. The church is non-profitable, and we can't run it from my house any more, as the residents are complaining. We are awaiting the mayor's response in this matter," Archbishop Johannes Masango said.

A letter was handed over to the mayor during a march by the congregation to the city council on Wednesday, October 7.

(Left) A very emotional woman during a Holy March to the city council on October 7.

A.P.K. ontvang nuwe leraar



Dr. Hendrik en me. Betsie Breytenbach saam met dr. Francois Marais en Nico Swart op 17 Oktober by die APK Witbank.

Blancheville vergader Maandag

Sektor 2 sub-sektor Blanchville vergader steeds elke Maandag.

Die vergaderings wat elke Maandag in die NG Kerk Panorama-gemeente se saal gehou is word vir November en Desember in die Round Table 57 saal op die hoek van OR Tambo- en Voortrekkerstraat gehou.

Tydens die vergadering wat op 26 Oktober plaasgevind het, is die patrollies wat elke nag ry geprys vir hul uitstekende werk. Die sektor se inligtingsbord wat by die Mini Pick 'n Pay opgesit is, is ook 'n groot bron van inligting.

Wees op die uitkyk vir belangrike datums en inligting wat op die bord aangebring word.

Onder mnr. Dion Slabbert, die sub-sektor se voorsitter, het die area se polisieringsforum gegroei tot 'n goed geoliede masjien waarin elkeen op sy eie manier 'n bydrae maak tot die voorkoming van misdaad in die area.

Vir meer inligting oor die vergadering, skakel me. Annemarie Jacobs gerus: 074 188 6830.



Mnr. Dion Slabbert is die voorsitter van Sektor 2 sub-sektor Blancheville

Die volgende vergadering vind op 2 November om 18:00 by die Round Table 57 se saal plaas.

Ben Fleur hou volgende week massavergadering

Alle inwoners van sub-sektor 10 Ben Fleur word uitgenooi om die sektor se massavergadering by te woon.

Die vergadering vind op 4 November om 18:00 by die Reynoof klub plaas.

Tydens die maandelikse vergadering word misdaad-statistieke vergelyk, tendense, patrolliesuksesse en misdaad-bekamping bespreek.

Gemeenskapprojekte word ook onderneem om mekaar beter te leer ken.

Skakel Driks de Beer vir meer inligting: 083 231 2071.

Poppie R-Snyman skryf:

"Dit is vir my lekker om deur 'n ou klasmaat van my bevestig te word," het dr. Hendrik Breytenbach tydens sy ontvangs as predikant van die Afrikaanse Protestantse Kerk (APK) Witbank op 17 Oktober gesê.

Hy en sy vrou, Betsie, het in Maart 2009 met vervoegde pensioen gegaan en op hul plasie gaan woon. Die fortuiging dat hulle in die kerk nog vrugbaar kan werk, laat hulle besluit om tot die bediening terug te keer. In Junie 2009 word dr. Hendrik as predikant in die APK beroepbaar gestel.

Hy aanvaar 'n beroep na APK Witbank en word op 17 Oktober deur die konsulent van die gemeente, ds. Francois Marais,

bevestig. Dié twee manne was klasmaats op hoërskool, hulle het 'n tydjie saam studeer, en beide was vroeër predikante van Hervormde Kerk.

Dr. Breytenbach het sy vrou, Betsie, bedank vir haar opoffering om saam met hom na die bediening terug te keer.

Ds. Nico Swart van APK Middelburg, wat 'n groetboodskap namens die Ring van Middelburg oorgedra het, is hartlik bedank vir sy vriendelike en volgehoue hulp aan APK Witbank tydens die vakature.

Nadat al die groetboodskappe en die bedankings afgehandel is, het die gemeente, hul nuwe leraarspaar en die gaste wat oorgekom het, gesellig saam verkeer.

Dr. Breytenbach het op Sondag 18 Oktober sy intrepreek gelewer.

COSMETIC PROCEDURES

BREAST RESHAPING

Breast enlargement – a choice of implants gives you the size you really want.

Breast reduction – reshapes over-large breasts to give a more normal, natural and comfortable size.

Breast uplift – helps restore sagging breasts to their original and youthful shape.

LIPOSUCTION – Fat Removal

Doctors can effectively remove stubborn fat from the stomach, bottom, thighs, knees, ankles, arms and chin. LIPOMATIC – new liposuction technology offers less bruising and quicker recovery after the procedure.

TUMMY TUCK

This procedure removes excess skin and fat from the middle and lower abdomen and also tightens the muscles of the abdominal wall. Particularly helpful to women after pregnancies and weight loss.

EAR RESHAPING

This procedure enables doctors to make protruding ears less prominent.

PAYMENT OPTIONS AVAILABLE - CREDIT CARD ACCEPTED

For more information on these and other procedures call our professional aesthetic and medical team:

Centurion Clinic for Cosmetic Surgery

Tel: (012) 663 2010/1

99 Lenchen Ave North, Centurion
e-mail: info@centurionclinic.co.za
www.centurionclinic.co.za

Centurion Clinic
for Cosmetic Surgery

The Centurion Clinic for Cosmetic Surgery is registered with the Department of Health 14/RG/07

INVITATION TO PARTICIPATE

ENVIRONMENTAL IMPACT ASSESSMENT (EIA) FOR ANGLO COAL EXPANSION OF THE eMALAHLENI MINE WATER RECLAMATION SCHEME (DARDLA REFERENCE NUMBER 17/2/21(e) NK-5)

Anglo Coal, represented by Anglo Operations Limited (Pty) Ltd., wishes to expand the capacity of the existing eMalahlani Mine Water Reclamation Scheme. This will be accomplished by increasing the capacity of the existing Water Treatment Plant (WTP) at Greenside Colliery from approximately 25Ml per day to 50Ml per day to cater for additional mine water sources.

The proposed project will consist of:

- Collection of excess mine water from Landau Colliery and the defunct mines which Greenside Colliery is responsible for. Additional mine water sources are currently being investigated;
- Installation of pipelines to transfer mine water to the existing WTP;
- Upgrading of the existing WTP where mine water is treated to potable water standards;
- Distribution of treated water to an existing municipal water reservoir; and
- Disposal of waste generated during the mine water treatment process at the WTP site, and/or at existing mine waste disposal facilities.

The treatment of the additional mine water sources will mitigate impact to the environment from existing and previous mining activities in the eMalahlani area, assist Government with their Regional Closure Strategy, and increase potable water supply to meet the demand in the eMalahlani area. In pursuing the concept of integrated waste management, downstream uses of the waste (generated during the mine water reclamation process) as materials in the building industry, will also be assessed as part of the proposed project.

ENVIRONMENTAL IMPACT ASSESSMENT

An EIA is being undertaken in terms of the National Environmental Management Act, 1998 (Act 107 of 1998). The lead authority for the EIA is the Department of Agriculture, Rural Development and Land Administration (DARDLA). The EIA and public participation process will be conducted by Golder Associates Africa.

An Integrated Regulatory Process will be undertaken in parallel with the EIA and will include: Environmental Management Programme (EMP) amendments for the participating/affected mines, in terms of the Mineral and Petroleum Resources Development Act 2002; (Act 28 of 2002); amendment to the existing Water Use License (for the existing scheme), in terms of the National Water Act, 1998 (Act 36 of 1998); and potentially, a Waste Licence Application, in terms of the National Environmental Management: Waste Act, 2008 (Act 59 of 2008).

To register as an interested and affected party (I&AP) and to obtain a Background Information Document, please contact:

Vanessa Viljoen/ Qondile Sibiyi
Golder Associates Africa (Pty) Ltd
P O Box 6001, Halfway House, 1685
Tel: 011 254 4911/4846 Fax: 011 315 0317
email: vviljoen@golder.co.za / qsibiyi@golder.co.za

Due date for registering as an I&AP: 20 November 2009

Unforgettable evening for St Josephs

Middelburg Rotary Cycad Club will be hosting a Greek and Portuguese Evening to raise funds for the St Josephs Incinerator Project.

It will take place in the Hartland Hill Pienaar Dam on October 30. Tickets are R300 and include a three-course meal.

For an unforgettable evening and the social highlight of the year contact George: 082 323 1696 or Maureen: 083 629 4511 for tickets. It starts at 19:00 for 19:30, the dress code is smart casual and there will be a cash bar available.

The P3 Investment Group invites you to a FREE PROPERTY PRESENTATION

We offer a unique opportunity for you to find out how a person earning an ordinary salary can invest in property to create a passive income and retire early.

We will fascinate you with the facts of how the right property investments will make you financially independent.

We will show you how to earn extraordinary returns on your investments.

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P223218/04/4
www.p3investments.co.za



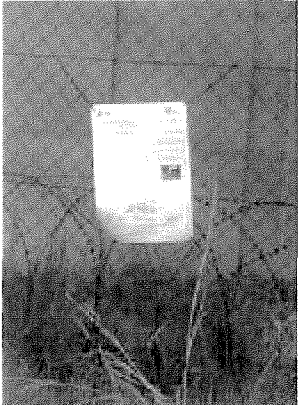

APPENDIX D6

Site Notices along Pipeline Routes


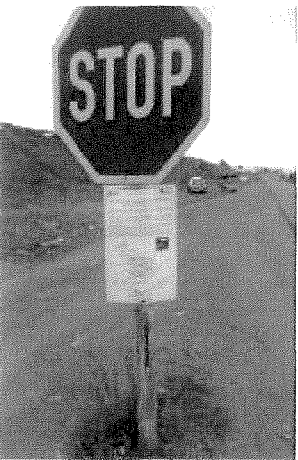
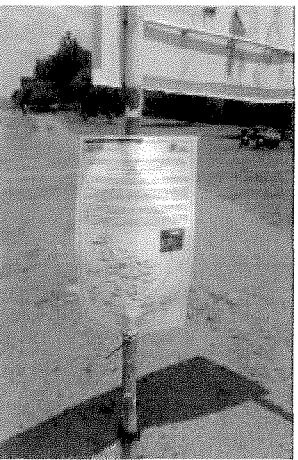


**ENVIRONMENTAL IMPACT ASSESSMENT (EIA) FOR ANGLO COAL'S
EXPANSION OF THE eMALAHLANI MINE WATER RECLAMATION
SCHEME, eMALAHLANI, MPUMALANGA PROVINCE
(DARDLA REFERENCE NUMBER 17/2/2/1(e) NK-5)**

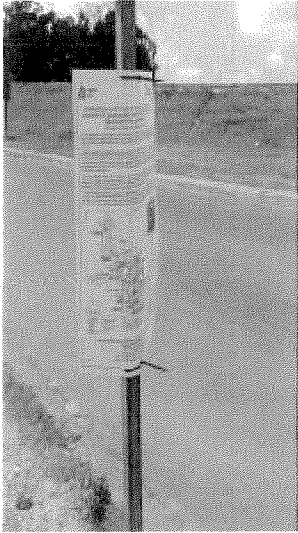
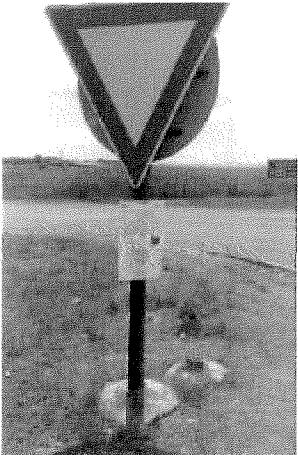

*Site notices were put up along the proposed pipeline routes, including alternative Routes from
Monday, 9 November 2009 to Wednesday, 11 November 2009*

Photo Number	GPS Coordination	Description
<p style="text-align: center;">1</p> 	<p>25° 56' 22.91" S 29° 11' 41.43" E Preferred Route</p>	<p>Site notice was put on fence at water reservoir in Witbank</p>
Photo Number	GPS Coordination	Description
<p style="text-align: center;">5</p> 	<p>25°54'41.65"S 29° 8'21.21"E Alternate Route</p>	<p>Site notice was placed on sign at the corner of Baileys and Boundary road</p>

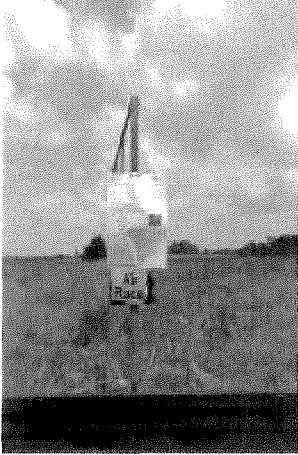

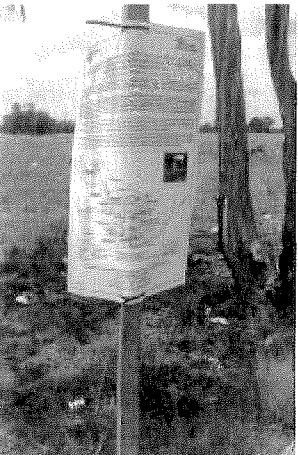
SITE NOTICES

Photo Number	GPS Coordination	Description
<p>9</p> 	<p>25°55'17.81"S 29°10'8.95"E Preferred Route</p>	<p>Site notice was placed on stop sign at intersection along the R555</p>
Photo Number	GPS Coordination	Description
<p>13</p> 	<p>25° 52' 56.89" S 29° 11' 18.98" E Preferred Route</p>	<p>Site notice was placed at stop street between highway and R104 at stop sign</p>
Photo Number	GPS Coordination	Description
<p>17</p> 	<p>25°51'45.55"S 29°10'2.97"E Alternate Route</p>	<p>Site notice was placed on pole along Schonland Dr</p>

SITE NOTICES


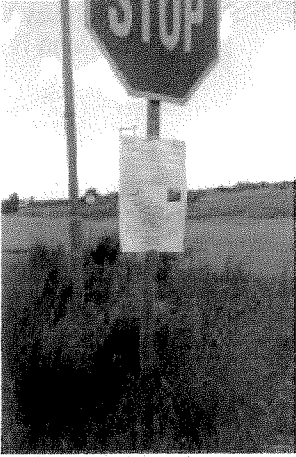
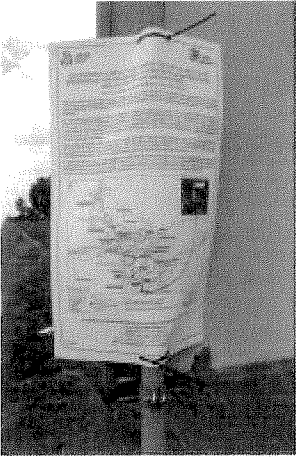
Photo Number	GPS Coordination	Description
<p>19</p> 	<p>25°52'18.43"S 29° 9'56.93"E Alternate Route</p>	<p>Site notice was placed on pole along Schonland Dr</p>
Photo Number	GPS Coordination	Description
<p>20</p> 	<p>25°50'57.24"S 29° 10'39.72"E Preferred Route</p>	<p>Site notice was placed on pole at intersection, along the side of the road</p>
Photo Number	GPS Coordination	Description
<p>21</p> 	<p>25° 50' 28.57" S 29° 10' 36.55" E Preferred Route</p>	<p>Site notice was placed on pole along the side of the road</p>

SITE NOTICES



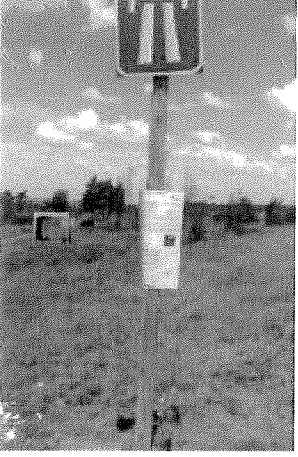
Photo Number	GPS Coordination	Description
<p>22</p> 	<p>25°50'24.35 " S 29°11'27.92"E Preferred Route</p>	<p>Site notice was placed on pole close to R544</p>
Photo Number	GPS Coordination	Description
<p>23</p> 	<p>25°50'46.52" S 29°11'56.55"E Preferred Route</p>	<p>Site notice was placed on pole along Bach road</p>
Photo Number	GPS Coordination	Description
<p>24</p> 	<p>25°51'8.24 " S 29°11'56.62"E Preferred Route</p>	<p>Site notice was placed on pole along the side of the road</p>





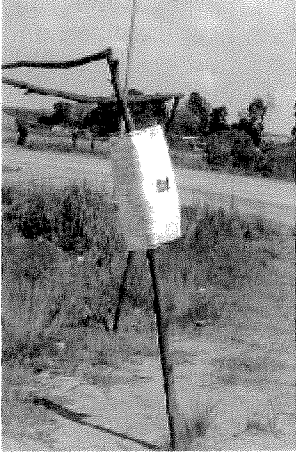
SITE NOTICES

Photo Number	GPS Coordination	Description
<p data-bbox="424 293 456 315">27</p> 	<p data-bbox="796 293 986 383">25°52'0.76" S 29°12'34.57"E Preferred Route</p>	<p data-bbox="1075 293 1386 383">Site notice was placed on pole at corner of Main and R544 intersection</p>
Photo Number	GPS Coordination	Description
<p data-bbox="424 887 456 909">26</p> 	<p data-bbox="796 887 986 976">25°51'17.83" S 29°13'0.05" E Preferred Route</p>	<p data-bbox="1075 887 1386 976">Site notice was placed on pole along R544 on the side of the road</p>
Photo Number	GPS Coordination	Description
<p data-bbox="424 1480 456 1503">25</p> 	<p data-bbox="796 1480 986 1570">25°50'44.70" S 29°12'20.12" E Preferred Route</p>	<p data-bbox="1075 1480 1386 1570">Site notice was placed on pole along the side of the road close to Sonate street</p>

SITE NOTICES

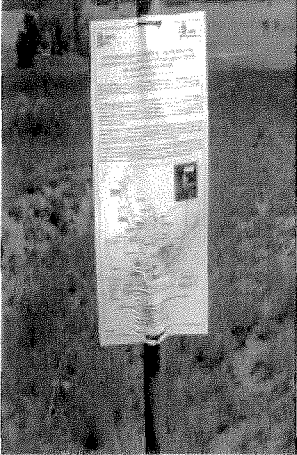
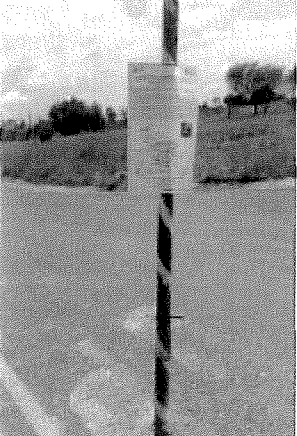
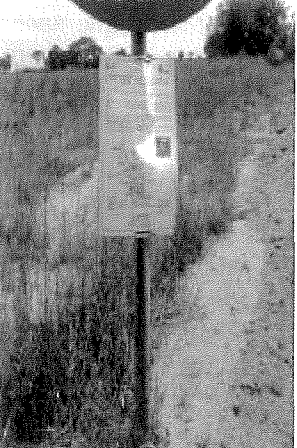
Photo Number	GPS Coordination	Description
<p>59</p> 	<p>25°52'27.08 " S 29° 8'29.82 " E Preferred Route</p>	<p>Site notice was placed on pole along gravel road on the side of the road</p>
Photo Number	GPS Coordination	Description
<p>50</p> 	<p>25°52'24.31 " S 29° 04' 41.57" E Preferred Route</p>	<p>Site notice was placed on pole at highway intersection N4 and R104,</p>
Photo Number	GPS Coordination	Description
<p>52</p> 	<p>25°52'5.38" S 29° 4'41.57" E Preferred Route</p>	<p>Site notice was placed on pole at N4 highway intersection,</p>

SITE NOTICES

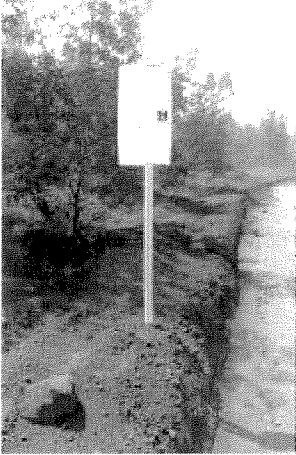

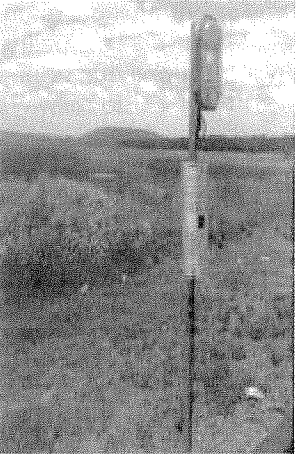
Photo Number	GPS Coordination	Description
<p>54.1</p> 	<p>25°51'36.50" S 29° 8'20.23" E Preferred Route</p>	<p>Site notice was placed on pole at pedestrian cross over sign between two rural areas, which is divided by a road</p>
Photo Number	GPS Coordination	Description
<p>54.2</p> 	<p>25°50'55.40 " S 29° 8'0.63 " E Preferred Route</p>	<p>Site notice was placed on stop sign at T junction next to rural area</p>
Photo Number	GPS Coordination	Description
<p>54.3</p> 	<p>25°50'18.58 " S 29° 7'46.25 " E Preferred Route</p>	<p>Site notice was placed on pole at intersection close to rural area</p>



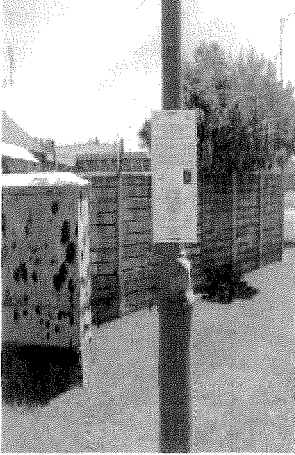
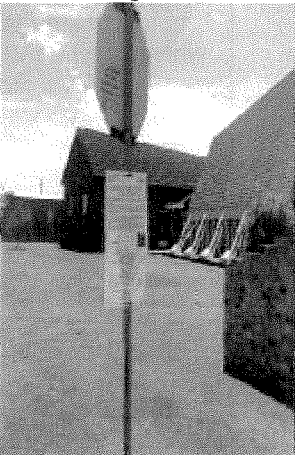
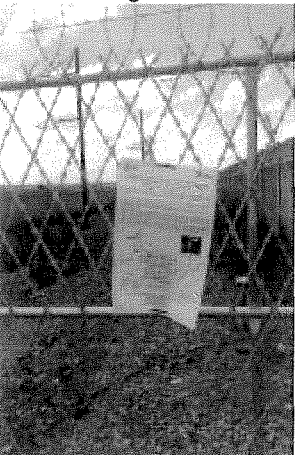
SITE NOTICES

Photo Number	GPS Coordination	Description
<p data-bbox="420 293 456 320">55</p> 	<p data-bbox="793 293 984 383">25° 49' 18.64" S 29° 06' 58.73" E Preferred Route</p>	<p data-bbox="1063 293 1397 416">Site notice was placed on pole close to site where BID was give to Anglo Coal Employee</p>
Photo Number	GPS Coordination	Description
<p data-bbox="420 893 456 920">56</p> 	<p data-bbox="793 893 984 983">25°49'18.64 " S 29° 6'58.73 " E Preferred Route</p>	<p data-bbox="1063 893 1397 1016">Site notice was placed on pole at intersection of Gravel Road close to Landau Collieries</p>
Photo Number	GPS Coordination	Description
<p data-bbox="420 1480 456 1507">57</p> 	<p data-bbox="793 1480 984 1570">25°48'2.53 " S 29° 6'15.88 " E Preferred Route</p>	<p data-bbox="1063 1480 1397 1603">Site notice was placed on pole few km further from where pipeline will starts on Gravel Road</p>

SITE NOTICES

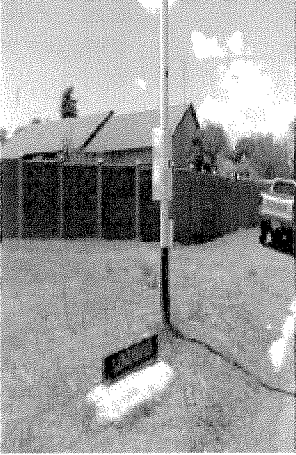

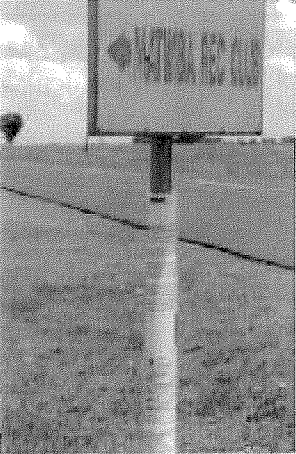
Photo Number	GPS Coordination	Description
<p>59</p> 	<p>25°48'11.13 " S 29° 6'28.57 " E Preferred Route</p>	<p>Site notice was placed on pole few km further from where pipeline will starts on Gravel Road</p>
Photo Number	GPS Coordination	Description
<p>60</p> 	<p>25°49'13.24 " S 29° 5'21.86 " E Preferred Route</p>	<p>Site notice was placed on pole few km further from where pipeline will starts on Gravel Road</p>
Photo Number	GPS Coordination	Description
<p>Anglo 1</p> 	<p>25°56'21.49 " S 29°11'41.15 " E Preferred Route</p>	<p>Site notice was placed on lamp pole at T junction, close to Anglo Coal plant</p>

SITE NOTICES

Photo Number	GPS Coordination	Description
<p>Image 000</p> 	<p>25°53'33.88 " S 29°13'35.52 " E Preferred Route</p>	<p>Site notice was placed on lamp pole in Witbank residential area, on the corner of Watermeyer and Visagie street</p>
Photo Number	GPS Coordination	Description
<p>Image 001</p> 	<p>25°53'31.99 " S 29°13'28.30 " E Preferred Route</p>	<p>Site notice was placed on lamp pole in Witbank residential area, on the corner of Kirsh and Visagie street</p>
Photo Number	GPS Coordination	Description
<p>Image 003</p> 	<p>25°52'33.03 " S 29°12'12.57 " E Preferred Route</p>	<p>Site notice was placed at dumping site on the gate, where pipeline will be running in open veldt next to railway line</p>


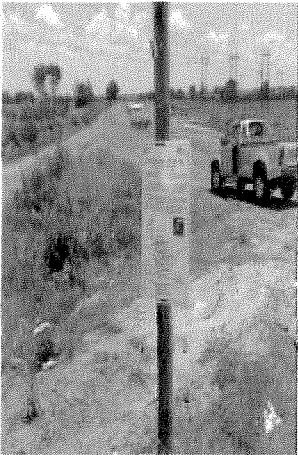



SITE NOTICES

Photo Number	GPS Coordination	Description
<p>Langenhoven</p> 	<p>25°53'51.93 " S 29°13'12.23 " E Preferred Route</p>	<p>Site notice was placed on pole on the corner of Longfellow and Langenhoven in Witbank residential area,</p>
Photo Number	GPS Coordination	Description
<p>Langenhoven 2</p> 	<p>25°54'4.49 " S 29°13'16.77 " E Preferred Route</p>	<p>Site notice was placed on pole on the corner of Stevenson and Langenhoven in Witbank residential area,</p>
Photo Number	GPS Coordination	Description
<p>Matimba Recreation Club</p> 	<p>25°57'3.63 " S 29°12'6.81 " E Preferred Route</p>	<p>Site notice was placed on pole at entrance of a recreation club near Anglo Coal</p>

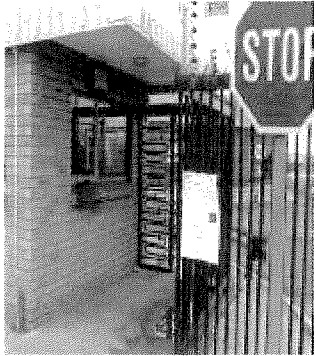


SITE NOTICES

Photo Number	GPS Coordination	Description
<p data-bbox="368 286 514 315">Van Burgen</p> 	<p data-bbox="796 286 994 376">25°54'7.97 " S 29°13'21.66 " E Preferred Route</p>	<p data-bbox="1078 286 1386 376">Site notice was placed on pole at centre in Van Burggen street</p>
Photo Number	GPS Coordination	Description
<p data-bbox="351 891 531 920">Walter Sizulu</p> 	<p data-bbox="790 884 1000 974">25° 56" 22.91" S 29° 11" 41. 43" E Preferred Route</p>	<p data-bbox="1063 884 1401 974">Site notice was placed on electricity pole at R555 and Walter Sizulu unpaved road.</p>
Photo Number	GPS Coordination	Description
		<p data-bbox="1052 1541 1408 1653">Site Notice was placed at the eMalahleni WRP office entrance</p>



SITE NOTICES

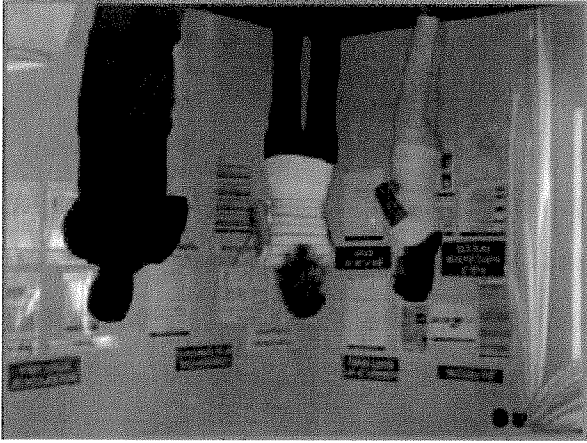
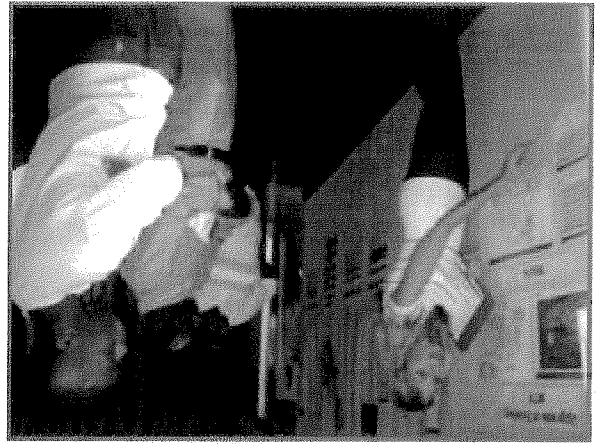
Photo Number	GPS Coordination	Description
		Site Notice was placed at the security entrance at the eMalahleni WRP

APPENDIX D7

Open House 03 December 2009 – Attendance Register and
Photos

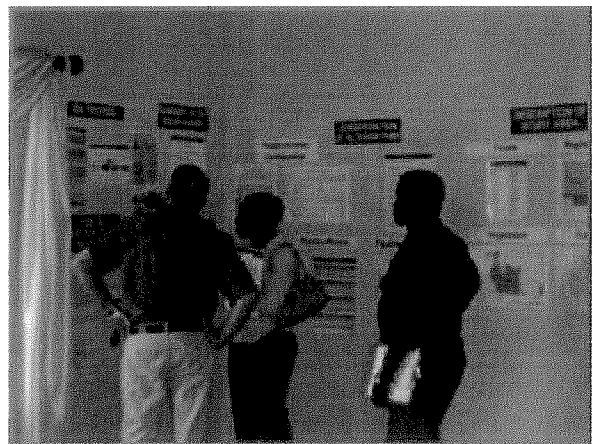
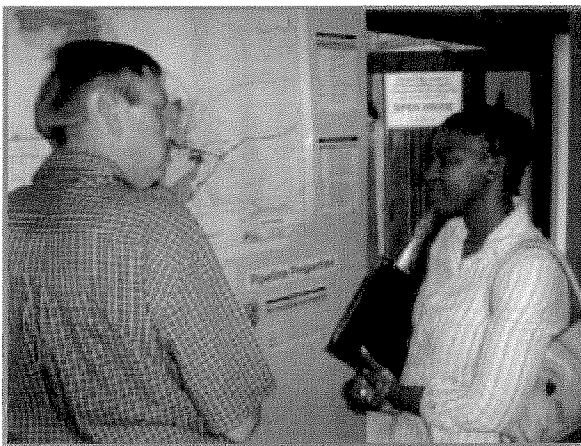
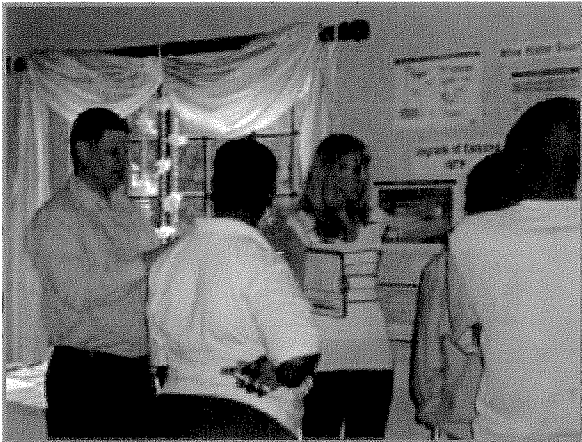
**ENVIRONMENTAL IMPACT ASSESSMENT (EIA) FOR ANGLO COAL'S
EXPANSION OF THE eMALAHLANI MINE WATER RECLAMATION
SCHEME, eMALAHLANI, MPUMALANGA PROVINCE
(DARDLA REFERENCE NUMBER 17/2/2/1(e) NK-5**

Name	Company	City
Baxter, Brent	Golder Associates Africa (Pty) Ltd	HALFWAY HOUSE
Chapman, Olivia	Golder Associates Africa (Pty) Ltd	HALFWAY HOUSE
Dreyer, Attie	Golder Associates Africa (Pty) Ltd	HALFWAY HOUSE
Grimsell, Amelia	Golder Associates Africa (Pty) Ltd	HALFWAY HOUSE
Hayes, Janel	Kleinkopje Colliery	WITBANK
Kirsten, Johann	Samancor Chrome - Ferrometals	WITBANK
Kruger, Hilmer	Hilkru Family Trust	WITBANK
Kruger, Sonita	Anker Coal and Mineral Holdings	MIDDELBURG
Maduna, Ernest	eMalahleni Local Municipality	WITBANK
Maphumulo, Zanele	Department of Water Affairs (DWA)	PRETORIA
Maraba, Cecilia	eMalahleni Local Municipality	ACKERVILLE
Mokoena, Agrinate	eMalahleni Local Municipality	eMALAHLANI
Mokonotela, Meshack	Golder Associates Africa (Pty) Ltd	HALFWAY HOUSE
Parker, Eric	eMalahleni Local Municipality	WITBANK
Sibuyi, Venus	Department Public Works, Roads and Transport	MIDDELBURG
Viljoen, Vanessa	Golder Associates Africa (Pty) Ltd	HALFWAY HOUSE
von den Brink, Ian	Strub Mining and Lubricants (SML)	WITBANK
Yorke-Hart, Michael	South African National Roads Agency Limited (SANRAL)	LYNNWOOD RIDGE



ENVIRONMENTAL IMPACT ASSESSMENT (EIA) FOR ANGLCO COAL'S
EXPANSION OF THE eMALAHLENI MINE WATER RECLAMATION
SCHEME, eMALAHLENI, MPUMALANGA PROVINCE
(DARDLA REFERENCE NUMBER 17/2/1(e) NK-5)





APPENDIX D8

Authorities Steering Committee Meeting No.1

Dear Authority

**(REMINDER) OF AUTHORITIES STEERING COMMITTEE MEETING NO. 1 –
FOR THE ANGLO COAL PROPOSED EXPANSION OF THE EMALAHLENI MINE WATER
RECLAMATION SCHEME**

Anglo Operations Limited (Pty) Ltd. (Anglo Coal) proposes to expand the capacity of the existing eMalahleni Mine Water Reclamation Scheme in eMalahleni, Mpumalanga Province.

The proposed project will involve expanding the capacity of the existing Water Treatment Plant (WTP) at Greenside Colliery to treat approximately 50 Ml of mine water per day. The additional excess mine water will be sourced from Landau Colliery and the defunct Middelburg Steam and Station Collieries.

The components of the proposed expansion project will comprise:

- Collection of excess mine water from Landau Colliery (Kromdraai, Excelsior and Navigation Sections), and the defunct Middelburg Steam and Station Collieries, for which Greenside Colliery has environmental responsibility;
- Installation of conveyance systems to transfer excess mine water to the existing WTP;
- Upgrading of the existing WTP where mine water is treated to potable water standards;
- Distribution of treated water to existing municipal water reservoirs; and
- The disposal of waste generated during the mine water treatment process at the WTP, and/or at existing mine waste disposal facilities.

In line with Integrated Environmental Management Principles, Anglo Coal has appointed Golder Associates Africa (Pty) Ltd, an independent, internationally recognised company of environmental, waste and water engineers and public participation practitioners to conduct the Feasibility Studies and Integrated Regulatory Process, including the Environmental Impact Assessment, for the expansion of the eMalahleni Water Reclamation Scheme.

We would like to invite you to a Joint Authorities Meeting to constitute an Authorities Steering Committee (ASC). Details of the meeting are as follows:

Date: Tuesday, 02 February 2010

Time: 09:30 for 10:00 (Lunch at 13:00)

Venue: Del Amor (map attached) in Witbank

The purposes of the meeting will be:

- To provide authorities with background information on the proposed project;
- To give authorities an opportunity to comment and contribute issues on the proposed project for a mutual benefit;
- To discuss and agree on the Integrated Regulatory Process; and
- To afford authorities the opportunity to establish an Authorities Steering Committee, and to elect a chairperson.

You are kindly requested to confirm your availability for this meeting. Should you not be available to attend, we would greatly appreciate it if you would send another representative from your department.

Yours faithfully



**Vanessa Viljoen
GOLDER ASSOCIATES AFRICA (PTY) LTD**

AGENDA

Meeting: Anglo Coal Proposed Expansion of the Emalahleni Mine Water Reclamation Scheme - Authorities Steering Committee Meeting No. 1 - Kick-off Meeting

Date: Tuesday, 02 February 2010

Venue: Del Amor (map attached) in Witbank

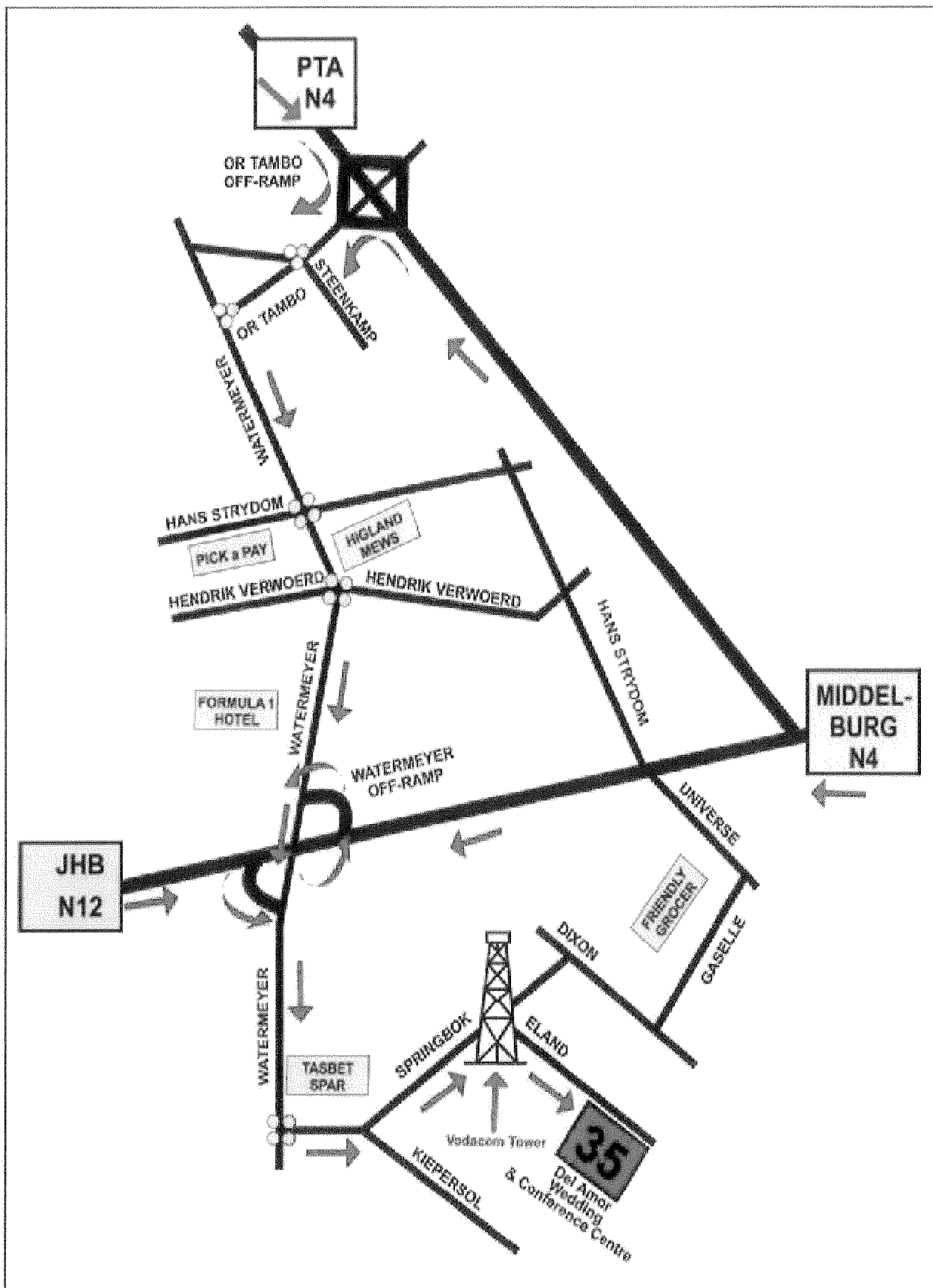
Time: 09:30 for 10:00

Purposes of Meeting: To provide authorities with background information on the proposed project;
To give authorities an opportunity to comment and contribute issues on the proposed project for a mutual benefit;
To discuss and agree on the Integrated Regulatory Process; and
To afford authorities the opportunity to establish an Authorities Steering Committee and to elect a chairperson.

09h30 – 10h00 Arrival (Tea/Coffee)

Facilitator: Francois Marais, Golder

10h00 – 10h05	Welcome	Francois Marais, Golder
10h05 – 10h10	Introduction	Peter Gunther, Anglo Coal
10h10 – 11h10	Presentation: Overall Project Scheme, Intent and Time Frame	Andre van Niekerk / Attie Dreyer, Golder
11h10 – 11h30	Presentation: Catchment Study	Trevor Coleman, Golder
11h30 – 11h45	Break (Tea/Coffee)	
11h45 – 12h30	Presentation: Proposed Integrated Regulatory Process	Brent Baxter, Golder
12h30 – 12h35	Purpose of the Authority Steering Committee (ASC)	Francois Marais, Golder
12h35-12h45	Election of Chairperson for the ASC	Authorities
12h45-13h00	Way forward / Next meeting	Francois Marais, Golder
13h00 – 14h00	Lunch	





MINUTES OF MEETING – THE ANGLO COAL EXPANSION OF THE EMALAHLENI MINE WATER RECLAMATION SCHEME

Project: 12485 – The eMalahleni Mine Water Reclamation Expansion Project
Meeting: Authorities Steering Committee Meeting 1
Date: 02 February 2010
Time: 10h00 – 13h00
Venue: Del Amor Conference Centre, Witbank

ACTION

1.0

Present

Peter Gunther	Anglo Coal	PG
Attie Dreyer	Golder Associates Africa	AD
Brent Baxter	Golder Associates Africa	BB
Olivia Chapman	Golder Associates Africa	OC
Francois Marais	Golder Associates Africa	FM
Trevor Coleman	Golder Associates Africa	TC
Tricia Njapha	Golder Associates Africa	TN
Nestus Bredenhann	Golder Associates Africa	NB
Mbali Dlamini	Department of Water Affairs	MD
Mpho Tshitangoni	Department of Environmental Affairs	MT
Abraham Maposo	Department of Minerals and Energy	AM
Victoria Moshapo	Department of Minerals and Energy	VM
Charity Mthimunye	Department of Agriculture and Rural Development and Land Administration	CM
Dineo Tswai	Department of Agriculture and Rural Development and Land Administration	DT
Garth Batchelor	Department of Economic Development, Environment and Tourism	GB
Godfrey Tshivhalavhala	South African Heritage Resource Agency	GT
Lindela Tshwete	eMalahleni Local Municipality	LT
Pricilla Fenyane	eMalahleni Local Municipality	PF

2.0

Apologies

Johann van Aswegen	Department of Water Affairs
André Cronjé	Department of Minerals of Energy
Jacob Malesa	Department of Water Affairs
Kama Meso	Department of Water Affairs



3.0 Welcome and Introduction (Francois Marais)

FM welcomed everyone at the meeting and thanked them for making time available to attend. Everyone was given the opportunity to introduce themselves where after reference was made to the information package that was provided. The agenda was also briefly discussed and agreed upon.

4.0 Presentation: Background to the proposed project (Peter Günther)

PG discussed the motivation for the proposed project and provided background information. Anglo Coal strives towards zero waste and takes a conservative approach to the disposal of waste. Reference was also given to other companies that have taken up waste management responsibilities.

5.0 Presentation: Technical overview of the proposed project (Attie Dreyer)

AD explained the technical process associated with the investigation of the proposed project including the pre-feasibility study, feasibility study and way forward.

During the pre-feasibility study 8 broad alternatives were identified, which were then narrowed down to 3 shortlisted alternatives by means of Fatal Flaw analysis. The difference between the various options was explained. The 3 shortlisted alternatives were further developed and then assessed i.t.o. quantitative, qualitative and risk criteria. This assessment process resulted in the selection of a preferred go-forward alternative, which entails the centralised treatment of the additional mine water at an expanded version of the existing eMalahleni Water Reclamation Plant. The main reasons for selecting this as the go-forward alternative were discussed

AD also explained the configuration of the preferred go-forward scheme, currently under investigation in the Feasibility Study:

- Abstraction of 20 mega litres/day of mine water from Landau Colliery (Excelsior, Kromdraai and Navigation Sections) and the Middleburg Steam and Station Collieries. An additional 5 mega litres/day will be sourced from other mines in the area (this is still under investigation).
- Collection and transfer of the abstracted mine water by means of new and existing collection pipelines to the existing eMalahleni Water Reclamation Plant (EWRP).
- Expansion of the existing EWRP to treat 50 mega litres/day (average flow) or 60 mega litres/day peak flow. This expansion can be accommodated without expanding the existing footprint of the Plant.
- Distribution of the additional treated water to the eMalahleni Local Municipality via new and existing distribution pipelines.
- Two main waste streams namely brine and gypsum are currently generated at the ERWP and are disposed of separately in existing waste facilities. Prediction models were developed, which shows that the existing waste facilities can accommodate the additional brine and gypsum for now. No additional waste facilities will be required at this stage.

GB enquired as to whom will drive the participation of the ownerless defunct mines in the proposed scheme. PG replied that pre-consultation is underway with the relevant State Departments in this regard.

BB stated that Middelburg Steam and Station does not have an EMP in place and a



regulatory vehicle is needed for authorisation. Anglo needs to finalise their closure plan first.

MT wanted to know what the duration of the whole scheme would be and also who would take ownership. PG replied by stating that the scheme does not have an end date. It will keep on treating water as long as there is operational and closure requirements. PG also stated that Anglo will retain ownership of the scheme.

6.0 Election of Authority Steering Committee Chairperson (Authorities)

The approach of establishing an Authority Steering Committee worked well in the past and it was proposed that such opportunities be used to ensure effective engagement between the relevant authority parties. This proposal was not put forward to change or influence the Authorities' decision making processes, but rather to ensure alignment.

LT was concerned that individuals from the eMalahleni Local Municipality might not represent the ASC throughout the process due to high staff turnover.

Subsequent to an authority caucus, the authorities nominated the DWA (Bronkhorstspuit) as the lead entity for the purposes of the ASC. MD will confirm which person from the Department will act as the chairperson and indicated that she will take the role as chairperson for the remainder of the meeting.

MD

7.0 Presentation: Impact of the proposed project on surface water resources (Trevor Coleman)

TC elaborated on the various catchments that will be involved with the proposed project; their sizes, potential scheme and water quality impacts (including those of the mines) and which of the discharges will cease upon commencement of the project. The benefits, and supporting statistical information, were provided should the proposed scheme go forward.

LT noted that the Klipspruit is being expanded and upgraded and that this initiative could add value to the proposed scheme.

8.0 Presentation: Integrated Regulatory Process (Olivia Chapman)

OC gave a brief overview of the Integrated Regulatory Process (IRP). A number of regulatory processes will be conducted in parallel, namely an EIA in terms of the NEMA, EMP amendments in terms of the MPRDA and Water Use Licence amendment in terms of the NWA. Reference was made to the IRP map, which was included in the information package.

The scope of the EIA is largely based on the new collection and distribution pipelines. The footprint of the existing Water Reclamation Plant (WRP) will not be increased for the proposed project. Additional infrastructure for the expansion project will be placed within the WRP footprint. Additional brine and gypsum will be disposed onto facilities authorised as part of Phase 1 of the project.



ACTION

The EIA is currently in the Scoping Phase. The Draft Scoping Report was made available for public comment for a period of 6 weeks. The report will be updated with comments received and submitted to the Authorities shortly. A number of specialist studies will be conducted as part of the EIA, including soil, ecological and surface water studies. It is anticipated that the EIA will be completed by end May 2010.

AM enquired as to whether a separate EIA for the EMP amendments will be conducted. OC replied that the same findings of the specialist studies and public comments will feed into the EMP amendment reports which will be submitted to the DMR at the same time the EIA and EMP in terms of the NEMA will be submitted to DARDLA

As part of the EIA, extensive public participation has been conducted, including newspaper advertisements, on-site notices and an open house in December 2009. Landowner comments have been integral in the pipeline route selection process. Comments/issues raised by I&APs thus far, have been included in the comments and response report, which accompanies the Scoping Report.

A Water Use Licence for the existing water treatment scheme was obtained as part of Phase1 of the project. As part of the Water Use Licence amendment application for the expansion project, new water uses and rectifications of existing water uses will be included.

AM asked if the Landau Colliery and Greenside Colliery EMPs were updated in accordance with the MPRDA as part of the Mining Rights Conversion Application approved by the DMR. PG replied that Anglo Coal is currently in the process of aligning the EMPs for their operations in terms of the requirements of the MPRDA. PG will confirm the status of the EMPs, i.e. whether the EMPs have been updated (or not).

PG

CM indicated that EMP amendments were submitted to the DARDLA for comments during December 2009.

OC indicated that in terms of the NEMWA, an exemption application will be submitted to the DEA, and this will be the first application for exemption done in South Africa. MT added that the existing authorisations for the brine ponds and gypsum waste disposal facilities need to form part of the motivation for the exemption application.

9.0 General Discussion (All)

MD indicated that it needs to be ensured that a copy of the Draft Scoping Report is submitted to the DWA, Bronkhorstspuit Office. OC will confirm.

OC

GB confirmed that the storage of mine affected water in underground mine voids is considered a Listed Activity in terms of GN R386 and needs to remain in the application.

PG indicated that the DWA needs to confirm if the Water Reclamation Plant needs to be registered as a water care works in terms of the old Water Act, 1956.

MD

It was decided that the next ASC meeting is to take place on 20 April 2010.

All

Remaining actions as decided among the ASC members need to be implemented.

MD

10.0 Meeting Closure

The meeting was formally adjourned.



MINUTES OF MEETING – THE ANGLO COAL EXPANSION OF THE EMALAHLENI MINE WATER RECLAMATION SCHEME

Important Action: Preferred distribution routes need to be discussed with the eMalahleni Local Municipality (AD and PG)

Olivia Chapman

EIA Project Manager

GOLDER ASSOCIATES AFRICA (PTY) LTD

APPENDIX D9

Progress Letter – Submission of FSR

Dear Stakeholder

ENVIRONMENTAL IMPACT ASSESSMENT (EIA) FOR THE ANGLO COAL EXPANSION OF THE eMALAHLENI MINE WATER RECLAMATION SCHEME, eMALAHLENI, MPUMALANGA PROVINCE, (DARDLA REFERENCE NUMBER 17/2/2/1(e) NK-5)

• ***Final Scoping Report submitted to the Authorities***

We wish to express our appreciation to the many stakeholders who submitted comments on the Draft Scoping Report and its accompanying documents during the public review period during **Monday, 23 November 2009 to Wednesday 20 January 2010**.

After the public review period, the Scoping Report was updated, taking into consideration the issues and concerns raised by stakeholders, and has been submitted to the Department of Economic Development, Environment and Tourism (DEDET) and other relevant authorities for consideration of the Plan of Study for the EIA. The set of documents includes the following:

- Final Scoping Report
- Appendix A: Public Participation Documentation;
- Appendix B: Comment and Response Report;
- Appendix C: Route Selection Technical Memos; and
- Appendix D: Map Set and Property Registers (separate document).

These reports are available electronically on the Golder website (www.golder.co.za) and as hard copies or on CD from the Golder public participation office.

The next phase of the EIA is the Impact Assessment Phase, during which all potential impacts, positive and negative, associated with the proposed project, will be quantified and addressed. All registered I&APs will be informed when the Draft EIA Report will become available for comment.

Should you require any additional information, please contact either myself or Mabel Qinisile at: tel: (011) 254 4941 / 4941, fax (011) 315 0317 or email: vviljoen@golder.co.za / mqinisile@golder.co.za.

Yours sincerely



VANESSA VILJOEN
EIA Public Participation Office

APPENDIX D10

Authorities Steering Committee Meeting No.2



MINUTES OF MEETING – THE ANGLO COAL EXPANSION OF THE EMALAHLENI MINE WATER RECLAMATION SCHEME

Project: 12481 – The eMalahleni Mine Water Reclamation Expansion Project
Meeting: Authorities Steering Committee Meeting 2
Date: 20 May 2010
Time: 10h00 – 13h00
Venue: eMalahleni Water Treatment Plant Offices, Witbank

ACTION

1.0 Present

Peter Günther	Anglo Coal	PG
Attie Dreyer	Golder Associates Africa	AD
Olivia Chapman	Golder Associates Africa	OC
Meshack Mokontela	Golder Associates Africa	MM
Charity Mthimunye	Department of Agriculture, Rural Development and Land Administration	CM
Kama Meso	Department of Water Affairs	KM
Stanford Macevele	Department of Water Affairs	SM
Mbali Dlamini	Department of Water Affairs	MD
Ronnie Mukondeleli	eMalahleni Local Municipality	RM

2.0 Apologies

Dr Garth Batchelor	Department of Agriculture, Rural Development and Land Administration	GB
Mr Lindela Tshwete	eMalahleni Local Municipality	LTvil
Mr Lesley Nhlapo	eMalahleni Local Municipality	LN
Ms Lerato Mautjana	Department of Water Affairs	LM
Mr Rudzani Smata	Department of Water Affairs	RS
Mr Johann van Aswegen	Department of Water Affairs	JvA

3.0 Welcome and Introduction (Stanford Macevele: Chairperson)

The attendees introduced themselves and their respective involvement in the project.

Mr Macevele mentioned that at the first ASC meeting, the authorities nominated the DWA (Bronkhorstspuit) as the lead authority for the purposes of the ASC. Subsequent to that meeting, Mr Macevele was nominated by the DWA to act as the chairperson of the established ASC. Should Mr Macevele not be available, an alternative representative from the DWA would lead the meeting.



4.0 Minutes of the previous meeting

Mr Macevele asked that the minutes of the previous meeting be read. Attendees read these and made no comments on the minutes.

The minutes were accepted as a true reflection of the previous meeting.

Mr Macevele asked whether Anglo Coal's Environmental Management Programme (EMP) had been updated in accordance with the MPRDA as part of the Mining Rights Conversion Application approved by the DMR. Mr Günther responded that Anglo Coal's Environmental Services department is co-ordinating the alignment of the current EMP for their operations in terms of the requirements of the MPRDA. This proposed project will, however, necessitate Addendums to the existing Greenside and Landau Colliery EMPs. The Environmental Impact Assessment underway would form the basis of these Addendums.

Mr Macevele pointed out that the 1956 Water Act had been repealed and replaced with the 1998 Act, but that the 1998 Act does not recognise certain aspects of the old Act.

He asked whether the plant had been registered as a Water Care Works on which Ms Chapman replied that confirmation was received from the DWA that the plant was registered. A certificate in this regard is still to be issued.

OC

Mr Macevele asked attendees to confirm whether there are any items they would like to add to the agenda.

5.0 Presentation: Background to the proposed project (Peter Günther)

Mr Günther presented a brief background to the project. He mentioned that the previous EMP Amendments had not yet been approved and it puts Anglo Coal in an awkward position. He mentioned that one of the objectives of the meeting was for attendees to air their views on the project and Anglo Coal would welcome suggestions from attendees.

6.0 Presentation: Technical background of the project (Attie Dreyer)

Mr Dreyer presented the technical background of the project. He mentioned that the project is motivated by, amongst others, the need to abstract mine water in order to prevent decant to surface.

Mr Dreyer mentioned that during the prefeasibility study a number of alternatives were investigated and compared. This included the Do Nothing alternative.

He mentioned that the present cost of the project over a 20 year life will be approximately R1.4 billion.

Mr Macevele said that the DWA would like to develop a "library" of information from all the studies done in the area. In response Mr Günther proposed that Anglo Coal would send information to the DWA regarding work that has been done in the area.

Mr Macevele asked whether there was mercury in the samples taken during the supplementary sampling. In response Mr Günther said that typical coal mines do not produce mercury or radioactive material like gold mines. However, he said that Anglo Coal would make absolutely sure of this and if there is risk of any of these elements being present then it will be addressed accordingly. Supplemental samples were collected and analysed for radioactivity, the results which will feed into a human health risk assessment of the product water.



ACTION

Mr Macevele asked whether there would be controlled release of mine water into the streams. Mr Macevele said the reason for his question is that the DWA intends removing excess salts from the streams in the area. In response Mr Günther said that Anglo Coal does not rely on controlled release as a management tool.

Mr Macevele asked what would happen to the Scheme if the mines would close down. In response Mr Günther said that the Scheme has been funded for both operation and post closure and it will be sustainable even if the mines would close.

Mr Macevele asked how consultation with Interested and Affected Parties was done. In response Mr Dreyer said that consultation was extended to all affected communities and property owners affected by the pipeline route.

Mr Macevele asked whether the expanded Scheme would produce brine, In response Mr Günther said that possibility of no-brine is currently being assessed. Mr Dreyer added that impact of the additional brine was modelled in order to determine the life of the existing waste facilities. There is no need to build new waste sites as the existing sites will be able to accommodate the additional waste until 2014. Mr Günther added that even if there is no intention to produce brine the brine ponds would still be provided for in the project.

Mr Günther said that it is important that the waste disposal report be included in the reports that would be sent to the Department of Agriculture and Rural Development and Land Administration (DARDLA) so that information on waste can be provided to the DARDLA.

OC

Ms Mthimunye asked when the issues raised in the past regarding the Middleburg Steam and Station will be addressed. In response Mr Günther said that provision will be made in the project to address the water component of Middleburg Steam and Station. Mr Günther also said that the DMR has received prospecting right applications on Middleburg Steam Station, from third parties. He said that Anglo Coal is in discussion with the DMR regarding this.

Mr Macevele added that the DWA has a working relationship with the DMR to ensure that they do not give mining rights on sensitive areas such as wetlands. Mr Günther suggested that Anglo Coal would meet with both the DMR and the DWA to address issues around Middleburg Steam and Station.

Ms Chapman asked who from the DMR would be involved in such a meeting. In response Mr Macevele said he would be involved and added that the authorities would meet first before they involve Anglo. He mentioned that the authorities would need sufficient information on the matter prior to the meeting.

PG

Mr Günther said that Anglo Coal has difficulty in obtaining information w.r.t. prospecting rights applied for or approved along the proposed pipeline routes.

Mr Macevele asked what would happen if Interested and Affected Parties do not agree with the alternatives that have been suggested. In response Ms Mthimunye said that up to this point a detailed public participation process was followed that no objections were received to date. DARDLA is satisfied with the process. Ms Chapman added that the draft EIA report will be made available for review by Interested and Affected Parties before being submitted and they will be able to review the alternatives again.



ACTION

Mr Dreyer also presented the time frame of the project and mentioned that the project team anticipates obtaining an Environmental Authorisation for the project by January 2011. Mr Günther added that the completion of the EIA process will allow building of the project to commence as building takes a long time. Mr Macevele commented that the Integrated Water Use Licence Application (IWULA) process also takes time and may delay the Environmental Authorisation. He said however, an Environmental Authorisation may be granted with conditions set w.r.t. the IWULA.

7.0 Presentation: Integrated Regulatory Process (Olivia Chapman)

Ms Chapman presented the Integrated Regulatory Process and covered the Public Participation Process, Water Use Licence Application, registration of the plant as a Water Care Works and whether the plant would be registered as a waste site.

She mentioned that the Scoping Report of the project was signed off and the EIA Phase of the project will commence now.

Ms Mthimunye advised that DARDLA would be able to review the EIA faster if the DWA can comment earlier on the EIA report.

OC

Ms Chapman stated that the DEA confirmed that the NEMWA is not applicable to the project, as the DEA does not consider the plant to be a waste treatment facility.

Mr Macevele said that there is a gap in the legislation, as according to the DWA, the plant would be regarded as a waste water facility. However, Mr Macevele said that if the plant had been authorised under other legislation and it was not regarded as a waste water facility the DEA would probably accept that.

Ms Mthimunye asked whether the EIA team had been liaising with the national DEA. Ms Chapman confirmed that this has been the case.

Mr Macevele said that a different part of Section 21 of the Act applies to the project and the relevant applications should be lodged accordingly. He said that if water is stored in a surface dam so as to continue mining then this storage facility will be applied for under section 21(g). He indicated that the collection and storage of mine water in Central and South Pit 1 is a water use under Section 21(g) and must be applied for accordingly.

Mr Macevele said that it is not necessary for the DWA to issue a WUL for the discharge of water into a municipal reservoir, but if it was previously authorised in this way, then it must be amended if required. Mr Macevele also stated that the water services division would have to comment on the agreement between the municipality and the mine.

8.0 General Discussion (All)

None.

9.0 Date of next meeting

After consultation with attendees it was agreed that the next meeting be held on 22 July 2010, but due to the change of comment period it was therefore postponed to fall within the comment period. Notification of new date will be communicated.

11.0 Meeting Closure

The meeting was formally adjourned.



**MINUTES OF MEETING – THE ANGLO COAL EXPANSION OF
THE EMALAHLENI MINE WATER RECLAMATION SCHEME**

Olivia Chapman

EIA Project Manager

GOLDER ASSOCIATES AFRICA (PTY) LTD

Qinisile, Mabel

From: Qinisile, Mabel
Sent: 14/05/2010 10:23 AM
To: 'Garth Batchelor'; Chapman, Olivia; 'André Cronjé'; 'Mbali Dlamini'; Dreyer, Attie; 'Peter Gunther'; 'Stanford Macevele'; 'Jacob Malesa'; 'Abraham Maphoso'; 'Lerato Mautjana'; 'Kama Meso'; 'Meshack Mokonotela'; 'Martha Mokonyane'; 'Victoria Moshapo'; 'Charity Mthimunye'; 'Ndange Musekene'; 'Lesley Nhlapo'; Njapha, Tricia; 'Kellelo Ntoampe'; 'Zingisa Phohlo'; 'Rudzani Smata'; 'Mpho Tshitangoni'; 'Godfrey Tshivhalavhala'; 'Dineo Tswai'; 'Johann van Aswegen'
Cc: Viljoen, Vanessa
Subject: SECOND AUTHORITY STEERING COMMITTEE MEETING FOR THE ANGLO COAL PROPOSED MINE WATER RECLAMATION PROJECT
Attachments: 12485_ASC Minutes 02 February 2010.docx; 12481_Agen_ASC 2_100520_Draft.pdf; EWRP from N4 Middelburg.doc

Dear Sir/Madam

2nd AUTHORITIES STEERING COMMITTEE MEETING FOR THE ANGLO COAL PROPOSED EXPANSION OF THE EMALAHLENI MINE WATER RECLAMATION SCHEME

Anglo Operations Limited (Pty) Ltd. (Anglo Coal) proposes to expand the capacity of the existing eMalahleni Mine Water Reclamation Scheme in eMalahleni, Mpumalanga Province.

We would like to inform you that we have scheduled the 2nd Authorities Steering Committee (ASC) meeting, for the above project, for Thursday, 20 May 2010.

Attached please find Map and directions to the venue, minutes of the previous meeting and Agenda.

Please do not hesitate to contact me if you have any queries.

Kind Regards

Mabel Qinisile | Public Participation Division | Golder Associates Africa (Pty) Ltd
PO Box 6001, Halfway House, 1685, South Africa, Thandanani Park, Matuka Close, Halfway Gardens, Midrand
T: [+27] (11) 254 4800 | D: [+27] (11) 254 4941 | F: [+27] (11) 315 0317 | C: [+27] 72 800 4491 | E:
MQinisile@golder.co.za | www.golder.com

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AGENDA

Meeting: Anglo Coal Proposed Expansion of the eMalahleni Mine Water Reclamation Scheme - Authorities Steering Committee Meeting No. 2

Date: Thursday, 20 May 2010

Venue: eMalahleni Water Reclamation Plant's Boardroom, in Witbank (Map to venue attached)

Time: 09:30 for 10:00

Purposes of Meeting: To provide authorities with updated information on the proposed project;
To give authorities an opportunity to comment and contribute issues on the specialist findings of the EIA; and
To discuss progress of the Integrated Regulatory Process.

09h30 – 10h00 Arrival (Tea/Coffee)

Facilitator: Kama Meso, Department of Water Affairs

10h00 – 10h30 Welcome and review of previous meeting minutes Kama Meso, ASC
Chairperson

10h30 – 10h45 Introduction Peter Gunther, Anglo Coal

10h45 – 11h15 Presentation: Progress on the Technical Process Attie Dreyer, Golder

11h15 – 11h30 Break (Tea/Coffee)

11h30 – 12h00 Presentation: Progress on the Integrated Regulatory Process Olivia Chapman, Golder

12h00 – 12h45 Presentation: EIA Specialist Findings Olivia Chapman, Golder

12h45 – 13h00 Way forward / Next meeting Kama Meso, ASC
Chairperson

13h00 – 14h00 Lunch



**ENVIRONMENTAL IMPACT ASSESSMENT (EIA) FOR ANGLO COAL'S
EXPANSION OF THE eMALAHLANI MINE WATER RECLAMATION
SCHEME, eMALAHLANI, MPUMALANGA PROVINCE
(DARDLA REFERENCE NUMBER 17/2/2/1(e) NK-5**

Name	Company	City
Chapman, Olivia	Golder Associates	HALFWAY HOUSE
Dreyer, Attie	Golder Associates	HALFWAY HOUSE
Gunther, Peter	Anglo Coal	WITBANK
Macevele, Stanford	Department of Water Affairs (DWA)	BRONKHORSTSPRUIT
Meso, Kama	Department of Water Affairs (DWA)	BRONKHORSTSPRUIT
Mokonotela, Meshack	Golder Associates	HALFWAY HOUSE
Mthimunye, Charity	Department of Economic Development, Environment and Tourism	WITBANK
Mukondeleli, D R	eMalahleni Local Municipality	WITBANK
Nhlapo, Lesley	eMalahleni Local Municipality	WITBANK


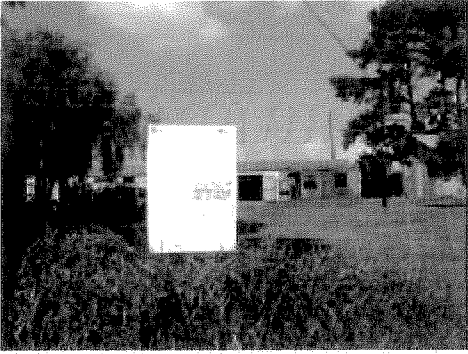

APPENDIX D11

Site Notices along Route Refinements and New Distribution
Pipeline Route

SITE NOTICES (PROPOSED ROUTE REFINEMENTS AND NEW DISTRIBUTION LINE)




ENVIRONMENTAL IMPACT ASSESSMENT (EIA) FOR ANGLO COAL'S EXPANSION OF THE eMALAHLANI MINE WATER RECLAMATION SCHEME, eMALAHLANI, MPUMALANGA PROVINCE (DARDLA REFERENCE NUMBER 17/2/2/1(e) NK-5)

Site notices were put up along the proposed route refinements and on the new distribution line, on Friday, 7 May 2010

Photo Number	GPS Coordination	Description
<p style="text-align: center;">1</p> 	<p>29° 7' 29.75" E 25° 52' 25.32" S</p>	<p>Site Notice was placed on road sign of N4 and Clewer, close to community shops.</p>
<p style="text-align: center;">2</p> 	<p>29° 8' 34.85" E 25° 52' 30.63" S</p>	<p>Placed on fence of Directly Affected parties</p>
<p style="text-align: center;">3</p> 	<p>29° 9' 50.46" E 25° 52' 55.65" S</p>	<p>Anglo Coal Landau Colliery board.</p>







SITE NOTICES (PROPOSED ROUTE REFINEMENTS AND NEW DISTRIBUTION LINE)

Photo Number	GPS Coordination	Description
<p data-bbox="440 309 460 338">4</p> 	<p data-bbox="816 309 1011 371">29° 14' 3.73" E 25° 52' 23.35" S</p>	<p data-bbox="1135 309 1361 371">Placed on fence at Reservoir A.</p>
<p data-bbox="440 716 460 745">5</p> 	<p data-bbox="816 716 1011 779">29° 13' 44.65" E 25° 53' 15.19" S</p>	<p data-bbox="1099 716 1401 779">Placed on the corner of Churchill and Woltemade.</p>
<p data-bbox="440 1249 460 1279">6</p> 	<p data-bbox="816 1249 1011 1312">29° 13' 51.17" E 25° 52' 54.53" S</p>	<p data-bbox="1083 1249 1417 1312">Placed on gate of the Water Treatment Plant.</p>



SITE NOTICES (PROPOSED ROUTE REFINEMENTS AND NEW DISTRIBUTION LINE)

Photo Number	GPS Coordination	Description
7 	29° 13' 49.55" E 25° 53' 1.38" S	Placed on pole in Woltemade street.
8 	29° 13' 53.54" E 25° 52' 39.12" S	At a business corner in Woltemade street.
9 	29° 13' 55.79" E 25° 52' 30.21" S	Placed on fence on the corner Woltemade and Mandela streets.
10 	29° 13' 44.55" E 25° 53' 29.20" S	Places on fence in front of Reservoir B.

APPENDIX D12

Letter to announce availability of Draft EIA Report and Public Meeting

**Project: 12485
27 July 2010**

MDEDET Reference No.:17/2/1 NK-5

Dear Stakeholder

**ENVIRONMENTAL IMPACT ASSESSMENT (EIA) FOR THE ANGLO COAL PROPOSED
EXPANSION OF THE EMALAHLENI MINE WATER RECLAMATION SCHEME**

- **Postponement of public comment period for Draft Environmental Impact Report and EMP Addendum Reports**
- **New public comment period: *Monday, 16 August – Monday, 13 September 2010***
- **New date and time of public meeting: *Monday, 23 August 2010 from 12:00 – 15:00***

This letter serves to inform you that the public review and comment period of the Draft EIA Report, EMP Addendum reports and its accompanying Specialist Reports and the Comment and Response Report has been postponed until August 2010. Therefore, the reports will not be available on **Tuesday 27 July 2010 as communicated in previous correspondence dated 12 July 2010.**

The new public review and comment period will be from **Monday, 16 August to Monday, 13 September 2010.** By the same token, the public meeting also had to be postponed and will be convened as follows:

Date: Monday 23 August 2010


Time: 12:00 – 15:00

Venue: Del Amor Conference Centre, Witbank (directions to the venue are enclosed)

As indicated in our previous letter, the purpose of the public meeting is to present to stakeholders the findings of the specialist studies; provide an opportunity for them to comment on the findings; verify that the issues raised were considered in the specialist studies and to raise further issues of concern and/or suggestions for benefits or alternatives. Kindly complete the enclosed reply sheet, should you wish to receive a copy of the report and/or attend the public meeting.

We would like to take this opportunity to again express sincere appreciation to stakeholders for their continued participation in the EIA process. Should you have any questions, need more information, or wish to raise issues of concern, please contact Mabel Qinisile or myself, at tel: (011) 254 4941/4911, fax: (011) 315 0317 or e-mail: mqinisile@golder.co.za / vviljoen@golder.co.za.

Sincerely



**VANESSA VILJOEN
EIA Public Participation Office**

Enclosed:

- *Reply sheet to request documents and register for the Public Meeting*
- *Programme*
- *Map to the venue*

**ENVIRONMENTAL IMPACT ASSESSMENT (EIA)
FOR THE ANGLO COAL PROPOSED EXPANSION OF THE
EMALAHLENI MINE WATER RECLAMATION SCHEME**

**REPLY SHEET FOR
DOCUMENTS AND PUBLIC MEETING**

MDEDET Reference No.: 17/2/2/1 NK-5

Please complete and return by Friday, 13 August 2010 to the
Public Participation office (see alongside)

Golder Associates
**EIA PUBLIC PARTICIPATION
OFFICE**
Vanessa Viljoen /
Mabel Qinisile
P O Box 6001, Halfway House,
1685
Tel: (011) 254 4911/4941
Fax: (011) 315 0317
E-mail: vviljoen@golder.co.za or
mqinisile@golder.co.za

TITLE		FIRST NAME	
INITIALS		SURNAME	
ORGANISATION			
ADDRESS			
		POSTAL CODE	
TEL NO		FAX NO	
EMAIL		CELL NO	
I would like to receive a copy of the following: (Please circle the appropriate block) (Documents sent by email will be in small-format PDF)			
Draft Environmental Impact Assessment Report and Environmental Management Plan		<input type="checkbox"/> Paper copy <input type="checkbox"/> By email <input type="checkbox"/> On CD	
Specialist Reports		<input type="checkbox"/> By email <input type="checkbox"/> On CD	
Comment and Response Report		<input type="checkbox"/> Paper copy <input type="checkbox"/> By email <input type="checkbox"/> On CD	
Full Map Set (electronically)		<input type="checkbox"/> By email <input type="checkbox"/> On CD	
Draft Environmental Management Programme Addendum Report for Landau Colliery		<input type="checkbox"/> Paper copy <input type="checkbox"/> By email <input type="checkbox"/> On CD	
Draft Environmental Management Programme Addendum Report for Greenside Colliery		<input type="checkbox"/> Paper copy <input type="checkbox"/> By email <input type="checkbox"/> On CD	
PUBLIC MEETING, 12:00 – 15:00			
I would like to attend the following open house (please circle the appropriate block) If you have indicated yes, you will receive a Draft EIA Report before the meeting.			
Monday, 23 August 2010, <i>Del Amor Conference Centre</i> in Witbank (Map to the venue and programme of the public meeting attached)		YES	NO

THANK YOU FOR YOUR RESPONSE

NAME:

SIGNATURE:

DATE:

**ENVIRONMENTAL IMPACT ASSESSMENT (EIA) FOR ANGLO COAL EXPANSION OF THE
EMALAHLENI MINE WATER RECLAMATION SCHEME**

To discuss Environmental Impact Assessment Report

PUBLIC MEETING

Monday, 23 August 2010, 12:00 – 15:00

Venue: Del Amor Conference Centre in Witbank

Note:

- The EIA Report distributed during August 2010 will serve to focus discussions at the meeting.
- The public meeting will be conducted mainly in English but everyone is welcome to use the language of their choice during discussion sessions and will be responded to in that language.

OBJECTIVES

To provide stakeholders with:

- An overview of the comments raised by stakeholders to date, and how they were covered during the Impact Assessment Phase.
- An overview of the outcome of the Impact Assessment Phase and content of the EIA and EMP Addendum Reports.

For stakeholders to:

- Verify that the comments raised during the process to date are captured in the EIA and EMP Addendum Reports, and Comment and Response Report.
- Comment on the findings of the Impact Assessment and specialist studies
- Raise any additional comment on the reports and the proposed project.

PROVISIONAL PROGRAMME

Facilitator: Attie Dreyer/Olivia Chapman, Golder Associates

12:00 **REGISTRATION AND LIGHT LUNCH**

13:00 **WELCOME, INTRODUCTION AND OBJECTIVES**
Attie Dreyer, Golder Associates

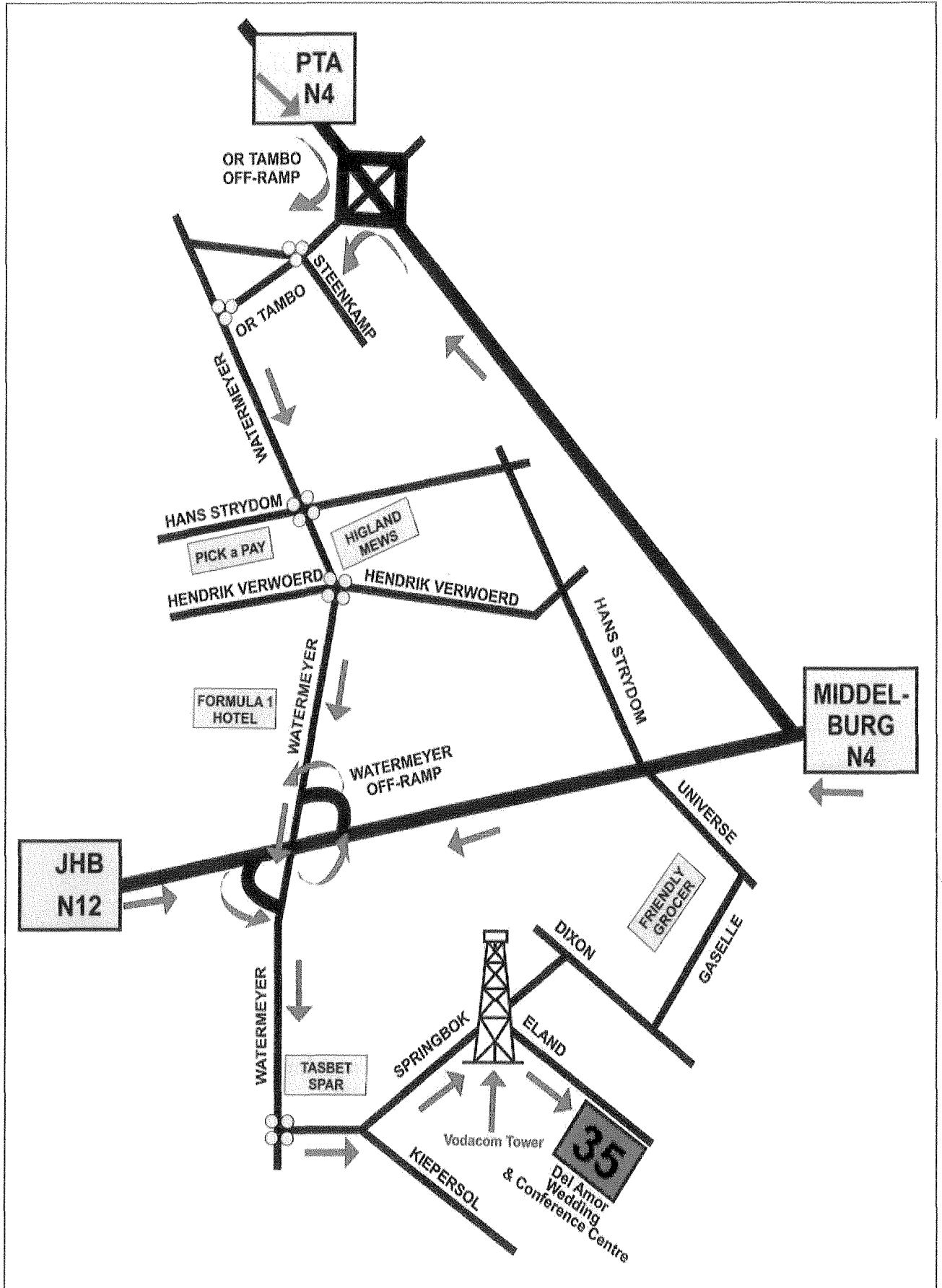
13:05 **BACKGROUND TO THE PROJECT**
Peter Gunther, Anglo

13:30 **ENVIRONMENTAL IMPACT ASSESSMENT REPORT (EIA)**
Olivia Chapman, Golder Associates

- EIA Process
- Public participation process and stakeholder involvement
- Key issues raised during the EIA process to date
- Outcome of the Impact Assessment (contents of the EIA and EMP Addendum Reports)

14:30 **DISCUSSION**

15:00 **SUMMARY, NEXT STEPS AND MEETING CLOSURE**



Dear Stakeholder

ENVIRONMENTAL IMPACT ASSESSMENT (EIA) FOR THE ANGLO COAL PROPOSED EXPANSION OF THE EMALAHLENI MINE WATER RECLAMATION SCHEME
DARDLA / DEDET REFERENCE NUMBER 17/2/2/1 (E) NK-5

- *Invitation to comment on the findings of the Environmental Impact Assessment (EIA)*
- *Public review period: **Tuesday, 27 July 2010 – Thursday, 26 August 2010***
- *Invitation to Public Meeting in Witbank at **Del Amor Conference Centre** in Witbank (Map and programme attached)*

Our sincere appreciation to the many people and organisations who commented on the Draft Scoping Report and who attended the Open House and meetings held between December 2009 and April 2010. Your comments and suggestions were helpful in finalising the scope of the EIA specialist studies. These EIA specialist studies have now been completed, and incorporated into the findings of the EIA.

The Draft Environmental Impact Assessment (EIA) Report will be available for your review and comment for a period of four weeks, from **Tuesday, 27 July 2010 – Thursday, 26 August 2010**. Please set aside time to comment within that period, and please diarise the Public Meeting.

The full set of reports consists of the following:

- Draft Environmental Impact Assessment Report and Environmental Management Plan;
- Specialist Reports;
- Comment and Response Report;
- Full Map Set; and
- Draft Environmental Management Programme Addendum Reports for Landau Colliery and Greenside Colliery.

You are welcome to request some or all of the above reports either as paper copies, by email in low resolution, or on CD in high resolution. You may also request individual maps. Please use the **enclosed reply sheet to request documents**. Alternatively, you can download the reports in low resolution from www.golder.com or view the reports at any of the **public places listed below**:

Public place	Locality	Contact person	Telephone
eMalahleni Public Library	eMalahleni	Ms Lindi van Papendorp	(013) 690 6911
Klipfontein Public Library	eMalahleni	Ms Elsabe Naude	(013) 697 3514
Middelburg Public Library	Middelburg	Mrs Shirley Xulu	(013) 249 7314
eMalahleni Mine Water Reclamation Plant	Groenfontein Farm (outside eMalahleni)	Ms Riza Strauss	(013) 691 5450/ 082 457 0932
KwaGuqa Public Library	KwaGuqa	Mrs Renny Mabuza	(013) 695 3157
Golder Associates Africa	Midrand	Ms Mabel Qinisile	(011) 254 4941

Comment on the reports can be made by:

- Completing the comment sheets accompanying each report;
- Writing a letter or sending an email; and
- Attending the Public Meeting.

Public Meeting

The contents of the Draft EIA Report and accompanying reports will be presented to stakeholders at a Public Meeting, and to provide them with an opportunity to clarify questions and raise further comments. Stakeholders will also have an opportunity to meet with the EIA team and representatives from Anglo. The meeting will be conducted in English, but stakeholders will be welcome to use an official language of their choice. A public meeting will be held on **Wednesday, 11 August 2010 from 10:00 – 13:00 at Del Amor Conference Centre** in Witbank.

Registration for Public Meeting: It is important that you register for the public meeting in advance. This will allow us to send you the reports prior to the event. Please use the **enclosed reply sheet to register** and return to us by **Thursday, 29 July 2010**. **Attached, please find a programme and map to the venue for your convenience.**

What happens next?

After the public review period, the EIA and accompanying reports will be updated with comments received, and will then be submitted to the decision-making authorities, namely the Department of Economic Development, Environment and Tourism (DEDET) (previously the Department of Agriculture, Rural Development and Land Administration) and the Department of Mineral Resources (DMR), for a decision about the project. Once the authorities' decision has been issued, all stakeholders will be notified.

Once again, thank you for contributing to the EIA process thus far. Please do not hesitate to contact us if you need any further information.

Sincerely



VANESSA VILJOEN

EIA Public Participation Office

Enclosed:

- *Reply sheet to request documents and register for the Public Meeting*
- *Programme*
- *Map to the venue*

**ENVIRONMENTAL IMPACT ASSESSMENT (EIA)
FOR THE ANGLO COAL PROPOSED EXPANSION OF THE
EMALAHLENI MINE WATER RECLAMATION SCHEME**

**REPLY SHEET FOR
DOCUMENTS AND PUBLIC MEETING**

*Please complete and return by Thursday, 29 July 2010 to the
Public Participation office (see alongside)*

**Golder Associates
EIA PUBLIC PARTICIPATION
OFFICE
Vanessa Viljoen /
Mabel Qinisile
P O Box 6002, Halfway House,
1685
Tel: (011) 254 4911/4941
Fax: (011) 315 0317
E-mail: vviljoen@golder.co.za or
mqinisile@golder.co.za**

TITLE		FIRST NAME	
INITIALS		SURNAME	
ORGANISATION			
ADDRESS			
		POSTAL CODE	
TEL NO		FAX NO	
EMAIL		CELL NO	
I would like to receive a copy of the following: (Please circle the appropriate block) (Documents sent by email will be in small-format PDF)			
Draft Environmental Impact Assessment Report and Environmental Management Plan			Paper copy By email On CD
Specialist Reports			By email On CD
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Full Map Set (electronically)			By email On CD
Draft Environmental Management Programme Addendum Report for Landau Colliery			Paper copy By email On CD
Draft Environmental Management Programme Addendum Report for Greenside Colliery			Paper copy By email On CD
PUBLIC MEETING, 10:00 – 13:00			
I would like to attend the following open house (please circle the appropriate block) If you have indicated yes, you will receive a Draft EIA Report before the meeting.			
Wednesday, 11 August 2010, <i>Del Amor Conference Centre</i> in Witbank (Map and programme for the meeting attached)			YES NO

THANK YOU FOR YOUR RESPONSE

NAME:

SIGNATURE:

DATE:

ENVIRONMENTAL IMPACT ASSESSMENT (EIA) FOR ANGLO COAL EXPANSION OF THE EMALAHLENI MINE WATER RECLAMATION SCHEME

To discuss Environmental Impact Assessment Report

PUBLIC MEETING

Wednesday, 11 August 2010, 10:00 – 13:00
Venue: Del Amor Conference Centre in Witbank

Note:

- The EIA Report distributed during July 2010 will serve to focus discussions at the meeting.
- The public meeting will be conducted mainly in English but everyone is welcome to use the language of their choice during discussion sessions and will be responded to in that language.

OBJECTIVES

To provide stakeholders with:

- An overview of the comments raised by stakeholders to date, and how they were covered during the Impact Assessment Phase.
- An overview of the outcome of the Impact Assessment Phase and content of the EIA and EMP Addendum Reports.

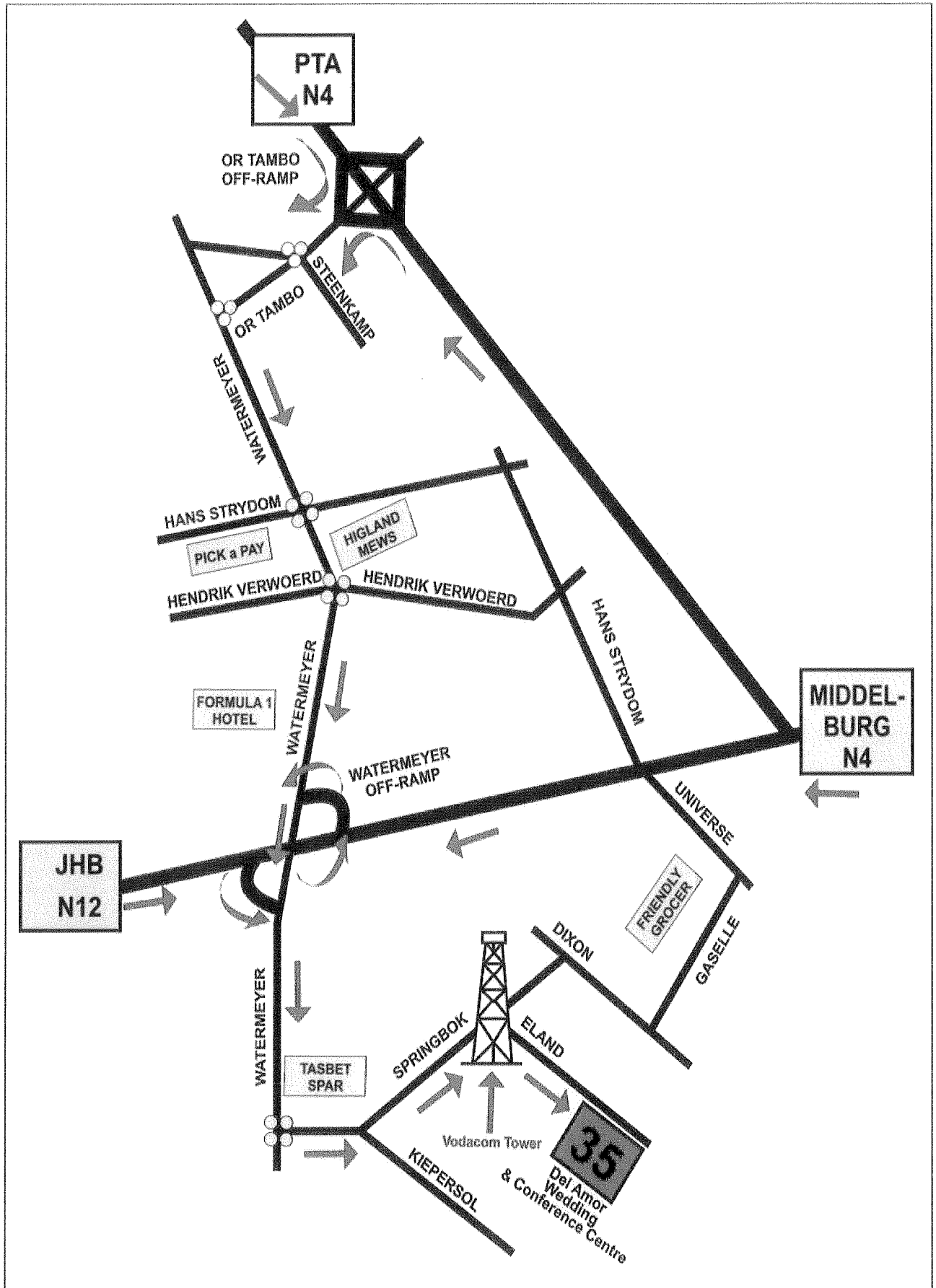
For stakeholders to:

- Verify that the comments raised during the process to date are captured in the EIA and EMP Addendum Reports, and Comment and Response Report.
- Comment on the findings of the Impact Assessment and specialist studies
- Raise any additional comment on the reports and the proposed project.

PROVISIONAL PROGRAMME

Facilitator: Attie Dreyer, Golder Associates

- 10:00 **REGISTRATION**
- 10:30 **WELCOME, INTRODUCTION AND OBJECTIVES**
Attie Dreyer, Golder Associates
- 10:35 **BACKGROUND TO THE PROJECT**
Peter Gunther, Anglo
- 11:00 **ENVIRONMENTAL IMPACT ASSESSMENT REPORT (EIA)**
Brent Baxter / Olivia Chapman, Golder Associates
- EIA Process
 - Public participation process and stakeholder involvement
 - Key issues raised during the EIA process to date
 - Outcome of the Impact Assessment (contents of the EIA and EMP Addendum Reports)
- 12:00 **DISCUSSION**
- 12:30 **SUMMARY, NEXT STEPS AND MEETING CLOSURE**
- 13:00 **LIGHT LUNCH**



APPENDIX D13
Public Meeting

**ENVIRONMENTAL IMPACT ASSESSMENT (EIA) FOR ANGLO COAL EXPANSION OF THE
EMALAHLENI MINE WATER RECLAMATION SCHEME**

To discuss Environmental Impact Assessment Report

PUBLIC MEETING

Monday, 23 August 2010, 12:00 – 15:00
Venue: Del Amor Conference Centre in Witbank

Note:

- The EIA Report distributed during August 2010 will serve to focus discussions at the meeting.
- The public meeting will be conducted mainly in English but everyone is welcome to use the language of their choice during discussion sessions and will be responded to in that language.

OBJECTIVES

To provide stakeholders with:

- An overview of the comments raised by stakeholders to date, and how they were covered during the Impact Assessment Phase.
- An overview of the outcome of the Impact Assessment Phase and content of the EIA and EMP Addendum Reports.

For stakeholders to:

- Verify that the comments raised during the process to date are captured in the EIA and EMP Addendum Reports, and Comment and Response Report.
- Comment on the findings of the Impact Assessment and specialist studies
- Raise any additional comment on the reports and the proposed project.

PROVISIONAL PROGRAMME

Facilitator: Erika Du Plessis, Golder Associates

12:00 **REGISTRATION AND LIGHT LUNCH**

13:00 **WELCOME, INTRODUCTION AND OBJECTIVES**
Erika Du Plessis, Golder Associates

13:05 **BACKGROUND TO THE PROJECT**
Peter Gunther, Anglo

13:15 **ENVIRONMENTAL IMPACT ASSESSMENT REPORT (EIA)**
Olivia Chapman, Golder Associates

- EIA Process
- Public participation process and stakeholder involvement
- Key issues raised during the EIA process to date
- Outcome of the Impact Assessment (contents of the EIA and EMP Addendum Reports)

13:45 **DISCUSSION**

14:15 **Tea Break**

15:00 **SUMMARY, NEXT STEPS AND MEETING CLOSURE**



MINUTES OF PUBLIC MEETING – EXPANSION OF THE EMALAHLENI MINE WATER RECLAMATION SCHEME

Project: Anglo American Thermal Coal's eMalahleni Mine Water Reclamation Expansion Project
Meeting: Public Meeting
Date: Monday, 23 August 2010
Time: 10h00 – 13h00
Venue: Del Amor Conference Centre, Witbank

1.0 Present

Peter Günther	Anglo American Thermal Coal
Erika du Plessis	Golder Associates
Olivia Chapman	Golder Associates
Tricia Njapha	Golder Associates
Zanele Maphumulo	Department of Water Affairs
Clr Elphas Mathebula	eMalahleni Local Municipality
Venus Sibuyi	Department of Public Works, Roads and Transport
Eric Parker	eMalahleni Local Municipality
Lawrence Marsh	Schoongezicht Farm
Sonita Kruger	Anker Coal and Mineral Holdings
Agrinate Mokoena	eMalahleni Local Municipality
Ernest Maduna	eMalahleni Local Municipality
Hilmer Kruger	Hilkru Family Trust
Roark Rawheath	Samancor Chrome Limited
Solomon Pholoto	Schoongezicht Farm
Michael Yorke-Hart	SANRAL
Philix Mnisi	Transnet
Eric Brink	Witbank Bricks
Julia Sibece	Ward 4, eMalahleni Local Municipality
Thandi Masango	Ward 2, eMalahleni Local Municipality
Veli Majeta	Ward 4, eMalahleni Local Municipality

2.0 Welcome and Introduction (Erika du Plessis: Facilitator)

Mrs Du Plessis welcomed all to the public meeting to discuss the proposed project and requested all attendees to introduce themselves.



3.0 Background to the proposed project (Peter Günther)

Mr Günther gave a short presentation on the proposed project, the motivation behind the project and the different options available to pipe the treated water to the final user (the Municipality).

4.0 Presentation: Integrated Regulatory Process (Olivia Chapman)

Ms Chapman presented the Integrated Regulatory Process and covered the Public Participation Process, Water Use Licence Application, registration of the eMalahleni Mine Water Reclamation Plant (EMWP) as a Water Care Works and whether the plant would be registered as a waste site.

Ms Chapman mentioned that the Scoping Report of the project had been signed off by the Mpumalanga Department of Environment, Economic Development and Tourism (MDEDET) and that the EIA Phase of the project has commenced. Specialist studies have been completed and the Draft EIA Report has been compiled for public review.

5.0 General Discussion (All)

A general discussion session commenced. The following discussions were held.

QUESTION: Mr Ernest Maduna (Ward Councillor - eMalahleni Local Municipality):

The current mine water reclamation scheme adds 20 MI of potable water to the municipal supply. This project will increase the available water from mine water reclamation to 75 MI. Will the municipality really require so much water?

ANSWER: Mr Peter Günther, Anglo American Thermal Coal

Anglo American Thermal Coal intends to double water supply to Municipality from 20 MI per day to 40 MI only. There is room to supply the municipality with another 20 MI per day in future. From discussions with the municipality, there are two options for distribution points at the moment, namely KwaGuqa Reservoir or Reservoir A. The final distribution point still needs to be confirmed by the Municipality. For the existing scheme, mine water is sourced from 4 locations. There are 19 possible additional sources of mine water for the scheme. There is thus potential to expand the scheme to create an extraction system for a much larger area.

QUESTION: Mr Ernest Maduna (Ward Councillor - eMalahleni Local Municipality):

Although the current water reclamation plant is in our municipal ward, it seems that not many people from the area have been employed at the plant.

ANSWER: Mr Peter Günther, Anglo American Thermal Coal

Anglo American Thermal Coal was very conscious in the first phase of the project to employ people from local communities; approximately 63 % of the 700 employees were from the local community. In this expansion of the project, there will be engagement with the local community once more to ensure that local people get sourced for construction of the project. The current plant employs 40 people; 35 of those are contractors that have been sourced through a company called ENPC. Although they are based in Johannesburg, they are required to employ local contractors. At present, the plant has approximately 91 % historically disadvantaged people working on the plant, and of that, percentage 81 % are from local communities. Anglo American Thermal Coal is committed to do the same in the expansion phase of the project.



QUESTION: Mr Ernest Maduna (Ward Councillor - eMalahleni Local Municipality):

Will small contractors from local communities be allowed to tender for jobs on the proposed expansion? If so, who must they contact in Anglo American Thermal Coal?

Secondly, when is the project expected to start?

ANSWER: Mr Peter Günther, Anglo American Thermal Coal

In accordance with Anglo American's procurement regulations, you will need to be registered as a vendor with Anglo American Thermal Coal. There are a number of local people on the vendors list currently in the eMalahleni areas. The procurement division strives to accommodate local vendors first. Anglo will provide the details of how to register as a vendor in the updated Comment and Response Report. The process involves getting a vendor number which enables you to submit tenders for various packages advertised. Procurement staff may only consider registered vendors for work packages. The envisaged start date for the project is March 2011.

The authorisation process needs to be completed first. Anglo American Thermal Coal is considering the formation of a community engagement forum where large construction companies that may not necessarily be locally based as a result of their specialist skills, can source local labour. Operation of the expanded plant is expected to commence in 2013.

QUESTION: Mr Ernest Maduna (Ward Councillor - eMalahleni Local Municipality):

If wastewater from the plant is discharged into the Naauwpoortspruit, who takes responsibility for the wastewater, Anglo or the municipality?

ANSWER: Mr Peter Günther, Anglo American Thermal Coal

Anglo American Thermal Coal does not discharge any untreated water. Should the municipality not be able to take all the treated water produced at the plant, the surplus water might be discharged into the local river (Naauwpoortspruit); no untreated water or wastewater will be discharged into the environment.

QUESTION: Mr Lawrence Marsh, Landowner

We have heard that some companies "buy" the tender lists and exclude certain small contractors from bidding for these jobs. This results in the fact that some small companies who are eager and capable to do the work do not get the opportunity to bid on these tenders.

ANSWER: Mr Peter Günther, Anglo American Thermal Coal

We would like to request small business owners to bring such practices to the attention of Anglo American Thermal Coal. We are committed to using local companies and are in dialogue with the municipality to improve the sourcing of local labour.

QUESTION: Mr Philix Mnisi, Transnet

Transnet would like to receive clarity on how the proposed pipelines will cross railway lines, if at all. Will Anglo American Thermal Coal make use of the existing culverts or construct their own culverts? In this case, will there be an emergency plan in place should pipeline leaks/bursts occur, to prevent disruption of the railway line or damage of nearby residents' properties?



ANSWER: Mr Peter Günther, Anglo American Thermal Coal

The pipe jacking technique will be used to cross rural roads for the treated water pipes, which are about 1 metre in diameter. This is a standard method to cross railway lines or road systems. If there are existing culverts that can be used without affecting their storm water needs, they will be used, with authorisation from the roads and rail authorities.

Anglo American Thermal Coal is investigating the possibility of using the culvert under the N4 highway that contains the water pipe currently transporting water to Reservoir A (this reservoir is owned by the municipality). This, however, can only be discussed in detail once the distribution pipeline route for the expansion project has been finalised.

As far as damage to the pipelines is concerned, pipeline pressure testing will be conducted during the construction phase, including a 24 hour pressure test at 1.5 x pressure rating of the pipeline system. If the pipeline pressure is not held for the 24 hour period, then that section of the pipeline will not be commissioned.

To date, there have been no breaches or spills in the over 40 kilometres of pipelines for the existing project. Currently, Anglo has flow meters at the beginning and the end of each pipeline; there is a 24 hour control room at the plant which sends control signals to measure and detect any differences in flow. If a difference in flow is detected, this indicates that a burst or a spill has occurred and the necessary emergency measures can be put in place, e.g. cease pumping water. These same measures will be in place for the new pipelines associated with the expansion project. Thus, even though the chances of a breach in the water pipes are slim, there will be good construction and operational measures in place to address pipeline leaks/bursts.

QUESTION: Mr Philix Mnisi, Transnet

You mentioned the suburb of Jacaroo Park in your presentation. We have learnt that water quality is of great concern in this area. They seem to receive water from the current water reclamation plant. Can you comment on this?

ANSWER: Mr Peter Günther, Anglo American Thermal Coal

The water quality from the existing water reclamation plant is better than the general accepted standard. Over the three years of operation, Anglo has produced better quality than required in the SANS guidelines for class 1 water. Anglo cannot comment on the water quality from the municipality's system. The treated mine water that is delivered into the municipal water supply is mixed with other sources of municipal water.

Unfortunately, there are a number of other older (defunct) mines that are not part of the mine water reclamation scheme, and may be causing water quality issues in the area. Anglo American Thermal Coal has conducted engineering assessments to incorporate mine water from these defunct mines into the scheme, but the properties do not belong to Anglo. Anglo American Thermal Coal will continue to engage with the Department of Mineral Resources regarding this issue.

QUESTION: Mr Philix Mnisi, Transnet

Historically, water quality in the Witbank area has been poor. I would like to know whether the addition of the treated mine water has contributed to the deterioration of water quality in the area?



ANSWER: Mr Peter Günther, Anglo American Thermal Coal

I cannot comment on the water quality in the municipal (distribution) system. Water quality records for the water reclamation plant indicate that the treated water distributed to the municipality is of very high quality.

QUESTION: Mr Roark Rawheath, Samancor Chrome

Could it be clarified where the water gets contaminated, is it before it is mixed with the municipal water or between the municipality and the consumer?

ANSWER: Mr Peter Günther, Anglo American Thermal Coal

The water from the reclamation plant only makes up 20 % of the total municipal water reserve. As indicated previously, water quality records for the water reclamation plant show that the treated water distributed to the municipality is of very high quality. If water contamination is taking place between the municipality and the consumer, this should be taken up with the municipality.

COMMENT: Mr Eric Parker, Town Planner, Emalahleni

The municipality supplies 80 % of drinking water to the public, and the water reclamation plant supplies 20% of the water. Reservoir B is pivotal to the municipality because they can distribute to the other reservoirs.

For years the municipality has been struggling with its own water treatment plant and also with water quality from the dams feeding into the system. A lot of hidden dirt is present in the water and this affects the taste and colour of the water. Fortunately, pathogens in the water have not affected animals drinking from the dams. The municipality has upgraded the treatment plant a number of times in the past couple of years, but are struggling to keep up with the demand for water, and the treatment plant is running over capacity. This is another reason why the municipality is very happy to get good quality water supply from the water reclamation scheme.

QUESTION: Ms Julia Sibeko, eMalahleni Ward Committee

What is the procedure to be followed to become a registered vendor and what paper work and documentation should be supplied?

ANSWER: Mr Peter Günther, Anglo American Thermal Coal

I am not sure, but will follow up with the procurement department and get an answer to the ward committee.

QUESTION: Mr Venus Sibuyi (Department of Public Works, Roads and Transport)

Does the design of the pipeline cover the crossing of provincial roads, and has the necessary application been forwarded to our department.

ANSWER: Mr Peter Günther, Anglo American Thermal Coal

There are not many road crossings. The engineering team has looked at many options to cross the national highway (N4). Existing culverts will be used to cross the highway. The necessary applications have been made and the engineering team are in discussion with SANRAL.

QUESTION: Mr Lawrence Marsh, Land owner

Are any private landowners affected where the pipeline is crossing the N4?



ANSWER: Mr Peter Günther, Anglo American Thermal Coal

The properties at the crossing beneath the N4 belong to the municipality.

At present there are two distribution route options. Landowners will be affected if the distribution pipeline goes to KwaGuqa. If the distribution pipeline goes into town, some landowners could also be impacted.

KwaGuqa is an area that needs an additional source of water, hence the point selection. However, their reservoir will not be able to handle all the extra water and thus it might be a better option to send the water to Municipal Reservoir B and from there transport the water to KwaGuqa.

The use of the existing Reservoir A is another option, because water can then be fed to the pipeline linking to KwaGuqa, and there is an opportunity to feed the new development in the northern areas close to KwaGuqa. These options, however, need to be further discussed with the municipality.

QUESTION: Ms Sonita Kruger (Anker Coal and Mineral Holdings):

Has the possibility of using Reservoir B been investigated, as that reservoir already has the necessary infrastructure and this might prevent the cost of constructing more pipelines?

ANSWER: Mr Peter Günther, Anglo American Thermal Coal

Anglo is currently assessing with the municipality what the needs of the municipality are. There are large reservoirs which can accept the water, but do not have the necessary infrastructure to distribute the water. If water is sent to Reservoir A, the necessary infrastructure can be put in place to send water back to Reservoir B. This creates flexibility. Reservoir A is a primary distribution point. Water reversal in pipes to KwaGuqa is possible.

QUESTION: Mr Venus Sibuyi (Department of Roads and Transport)

How do the new NEMA regulations impact on the proposed project?

ANSWER: Ms Olivia Chapman, Golder Associates Africa

The application for the project was submitted to MDEDET in October 2009 and thus the project falls under the previous NEMA regulations. The new regulations are therefore not applicable to this project.

QUESTION: Ms Agrinate Mokoena (Ward councillor)

How long will construction take?

ANSWER: Mr Peter Günther, Anglo American Thermal Coal

The funding has not yet been approved, but approval is imminent. It is expected that construction will commence in March 2011 and operation of the plant will commence in January 2013.

QUESTION: Ms Sonita Kruger (Anker Coal and Mineral Holdings):

What will the lifespan of the expansion project be?



ANSWER: Mr Peter Günther, Anglo American Thermal Coal

Anglo American Thermal Coal has ten operations in South Africa. Since 2001, the company has upgraded their pollution control fund trust – this is the rehabilitation fund that includes desalination of all the mines where management of water is required after mine closure. The mines associated with this plant will close down in 2025/2035, but funding has been provided already to continue the running of this plant post closure.

QUESTION: Mr Lawrence Marsh (Land owner)

How will you maintain the pipes?

ANSWER: Mr Peter Günther, Anglo American Thermal Coal

The first step with pipeline maintenance is not to allow oxygen into the pipe. The system extracts the water which goes straight to the water reclamation plant which has a control valve that keeps the water under constant pressure, thus preventing any oxygen to enter the pipes. In the current operation, water scaling as a result of the chemical composition of the water in the pipes, needs to be managed.

An alternative that has been designed is a “pigging system”, which can be used to clean the pipes on a regular basis. The other option is to add an anti-scalant to the water – this is a biodegradable product which will not precipitate in the structure or pipeline. As an operational requirement, a full contracting team has been appointed to look after the abstraction system and ensure that it is maintained and not at risk of breach or breakdown.

QUESTION: Mr Lawrence Marsh (Land owner)

What size pipes will be used?

ANSWER: Mr Peter Günther, Anglo American Thermal Coal

The biggest size of the proposed pipes is 450 mm diameter. As a comparison, the current distribution pipeline going into Reservoir B is 630 mm.

6.0 NEXT STEPS AND CLOSURE

Mrs du Plessis thanked all attendees and invited them to continue the discussion over a cup of tea. Mr Günther expressed his willingness to engage in further discussions on a one-on-one basis.

The meeting was formally adjourned.

Olivia Chapman

EIA Project Manager

GOLDER ASSOCIATES AFRICA (PTY) LTD

APPENDIX D14

Authorities Steering Committee Meeting No.3

DRAFT AGENDA

Meeting: Anglo Coal Proposed Expansion of the eMalahleni Mine Water Reclamation Scheme - Authorities Steering Committee Meeting No. 3

Date: Tuesday, 7 September 2010

Venue: eMalahleni Water Reclamation Plant's Boardroom, in Witbank (Map to venue attached)

Time: 09:30 for 10:00

Purposes of Meeting: To provide authorities with updated information on the proposed project;
 To present the contents of the Draft EIA Report;
 To give authorities an opportunity to comment and contribute issues on the Draft EIA Report; and
 To discuss progress of the Integrated Regulatory Process.

09h30 – 10h00 *Arrival (Tea/Coffee)*

Facilitator: **Stanford Macevele, Department of Water Affairs**

10h00 – 10h30 Welcome and review of previous meeting minutes Stanford Macevele, ASC Chairperson

10h30 – 10h35 Introduction Peter Gunther, Anglo Coal

10h35 – 11h00 Presentation: Update on feasibility Study Attie Dreyer, Golder

11h00 – 11h15 *Break (Tea/Coffee)*

11h15 – 11h45 Presentation: Progress on the Integrated Regulatory Process and contents of the Draft EIA Report Olivia Chapman, Golder

11h45 – 12h00 Way forward / Next meeting Stanford Macevele, ASC Chairperson

12h00 – 13h00 *Lunch*



MINUTES OF MEETING – EXPANSION OF THE EMALAHLENI MINE WATER RECLAMATION SCHEME

Project: 12481 – The eMalahleni Mine Water Reclamation Expansion Project
Meeting: Authorities Steering Committee Meeting 3
Date: 7 September 2010
Time: 10h00 – 13h00
Venue: eMalahleni Water Reclamation Plant Offices, Witbank

ACTION

1.0 Present

Peter Günther	Anglo American Thermal Coal	PG
Attie Dreyer	Golder Associates Africa	AD
Olivia Chapman	Golder Associates Africa	OC
Spencer Eckstein	Golder Associates Africa	SE
Nestus Bredenhann	Golder Associates Africa	NB
Kama Meso	Department of Water Affairs	KM
Stanford Macevele	Department of Water Affairs	SM
Manty Mashaba	Department of Water Affairs	MM

2.0 Apologies

Mr Lindela Tshwete	eMalahleni Local Municipality	LT
Mr Lesley Nhlapo	eMalahleni Local Municipality	LN
Ms Lerato Mautjana	Department of Water Affairs	LM
Mr Rudzani Smata	Department of Water Affairs	RS
Mr Johann van Aswegen	Department of Water Affairs	JvA
Dr Garth Batchelor	Mpumalanga Department of Economic Development, Environment and Tourism	GB

3.0 Welcome and review of previous minutes (Stanford Macevele: ASC Chairperson)

Mr Macevele welcomed everyone present.

Attendees introduced themselves and indicated their responsibilities in terms of the project. The agenda for the meeting was accepted.

The minutes of the previous meeting were reviewed. Mr Macevele indicated that the name for Department of Agriculture, Rural Development and Land Administration (DARDLA) has now changed to Mpumalanga Department of Economic Development, Environment and Tourism (MDEDET). Future minutes should indicate the name change. OC

Mr Macevele noted that the abbreviation “LTvil” under section 2 of the previous minutes is a typing error and should be corrected as “LT”. OC



MINUTES OF MEETING – EXPANSION OF THE EMALAHLENI MINE WATER RECLAMATION SCHEME

	ACTION
Mr Macevele indicated that the statement in paragraph 4 on page 2 is inaccurate since certain parts of the National Water Act, 1998 do recognise certain authorisations that were made under the Water Act, 1956.	OC
Mr Macevele further stated that paragraph 1 on page 3 needs to be corrected to read “DWA developed the strategy which indicated that salts needs to be removed from the system”, not “DWA intends to remove salts”.	OC
Mr Günther pointed out that an action item on page 3 was not captured, which deals with a needed discussion with the DMR regarding prospecting / mining right applications submitted for Middelburg Steam and Station. Mr Macevele confirmed that he will assist with the scheduling of a meeting with DMR regarding this matter.	SM / PG
The previous minutes were accepted, provided that the above-mentioned changes were made.	
4.0 Rolling actions list (Stanford Macevele: ASC Chairperson)	
Items 1, 2, 3, and 5 remain closed.	
Item 4 can be closed since the DWA has issued a certificate to Anglo.	
Item 6 remains open and will be addressed.	OC
Item 7 has been addressed with the needed documents submitted; the item can be closed.	
5.0 Presentation: Update on feasibility study (Attie Dreyer: Golder)	
Mr Dreyer presented an update on the feasibility study currently underway.	
Mr Macevele indicated that areas which contain water, waste is possibly also stored and needs to be looked at closely according to NEMWA. Ms Chapman commented that DWA was consulted in this regard and NEWMA is not applicable.	
Mr Dreyer mentioned that the feasibility study will include Middelburg Steam and Station Collieries (MS&S), even though it has not yet been confirmed by the DMR that this will be authorised. (MS&S is a defunct mine which Anglo has environmental responsibility; Anglo would like to include the mine into the water reclamation expansion scheme).	AD
Mr Macevele indicated that he is willing to assist with the scheduling of a meeting with the DMR, but would need the following information:	
<ul style="list-style-type: none">■ Technical investigations conducted (and key results) for inclusion of MS&S into the proposed eMalahleni Mine Water Reclamation Expansion project;■ Regulatory constraints in terms of inclusion of MS&S into the proposed project;■ Overall map of the project area; and■ Google image / map of specific area.	
Mr Günther requested Golder to draft a note which includes the above information to present to the DMR.	



ACTION

Mr Günther mentioned that during the pre-feasibility study, the inclusion of other defunct mines in the area, such as T&DB and Old Douglas 1,2 and 3, was investigated. However, to enable the inclusion of these mines into the scheme, the challenges around the Government institutional arrangements need to be resolved; possibly international funding may need to be sought.

AD

Mr Macevele mentioned that a number of water management initiatives in the area are currently underway, and that it would be very important to know which areas the DMR has awarded prospecting rights and what the legal implications could be for these water management initiatives.

Mr Macevele requested that the following information be provided to him:

- Technical investigations conducted (and key results) for inclusion of other defunct mines in the study area into the proposed eMalahleni Mine Water Reclamation Expansion project, including results of the catchment study that was done.
- Constraints for inclusion of other defunct mines in the study area into the proposed project: regulatory vehicle and funding body

Mr Günther informed Mr Macevele that there is a planned visit to the water reclamation plant from the Minister of Water Affairs on 22 of October 2010.

Mr Dreyer mentioned that the distribution system includes two options: 1) Treated water from the plant to municipal reservoir A as the preferred option 2) Treated water from the plant to municipal reservoir F, which holds limitations around capacity. Mr Günther added that reservoir A is the preferred option since it will be able to support municipal spatial developments in the north.

Mr Günther wanted to know how, and in which capacity, the DWA will be involved considering the two options. Mr Macevele replied that the DWA needs to ensure sufficient municipal capacity and will also provide support from a legislative perspective.

Mr Günther highlighted that it would be of value for the Municipality to conduct work on their distribution system in order to be prepared for future needs and be able to integrate with the proposed water reclamation scheme.

6.0 Presentation: Progress on the Integrated Regulatory Process and contents of the Draft EIA Report (Olivia Chapman: Golder)

Ms Chapman presented progress on the IRP as well as the contents of the Draft EIA Report. Ms Chapman mentioned that an integrated approach for the various legislative requirements has been followed. The Draft EIA Report and EMP are in the public domain for comment; the reports will then be finalised and submitted to the authorities for decision-making. The water use licence application will be submitted to the DWA once the EIA and EMP reports are finalised.

Mr Macevele indicated that the pipeline distribution route might cross certain streams and would need authorisation. Ms Chapman said that there are 7 watercourse / pipeline crossings which have been applied for under the NEMA application, and will be applied for as part of the water use licence application.

Mr Macevele cautioned that even if environmental authorisation for the watercourse crossings is obtained, construction of the watercourse crossings can only commence if a water use licence for the crossings (section 21c & i) has been obtained.



ACTION

Mr Macevele wanted to know if the pipeline / watercourse crossings for both alternative distribution pipelines would be applied. If only one of the pipelines are going to be constructed, then it might cause unnecessary use of resources for authorisation for both pipeline routes, causing a further delay. Ms Chapman indicated that both pipeline routes for distribution will be included in the application. Mr Dreyer added that the Municipality will ultimately drive the decision for the preferred route, which is driven by the preferred reservoir. Mr Günther added that Anglo issued the Municipality with a Memorandum of Understanding to discuss various options.

Mr Macevele wanted to know how much time will be needed to reach a conclusion regarding this matter. Mr Günther indicated that meetings with the municipality are taking place on a monthly basis.

Mr Macevele emphasised that DWA has a backlog of water use license applications that needs to be cleared and considering the stringent timeline for the proposed project, aspects of uncertainty must be resolved and actions be prioritised to ensure that the application can be processed quickly.

Mr Macevele wanted to know if hydrological studies have been done for the various project areas, and if ecological studies had been done for the pipeline / watercourse crossings, especially for the crossing of the Brugspruit. Ms Chapman replied that such studies have been done; the relevant specialist reports are appended to the EIA Report.

Mr Eckstein highlighted the following key regulatory issues:

- 1) Construction commencement may be hampered with certain authorisations not being in place, e.g. environmental authorisation is issued, but water use licence and approved EMP are outstanding.
- 2) Original EMP addendum under the MPRDA for the plant was never approved. This may delay approval of the addendum reports for the expansion project.
- 3) Reserve determination for 21c & i water uses need to be done. Mr Dreyer indicated that Golder could conduct the reserve determination; the timeframe for compiling the reserve determination documentation will be between 4 to 6 weeks.
- 4) A letter was submitted to DWA highlighting the water uses that will be applied for as part of the amendment to the scheme's existing licence. Confirmation is needed from the DWA as to which water uses are new and which ones are amendments.

Mr Macevele indicated that it is possible that the DWA can dispense the need for a licence for the Section 21c&i water uses (pipeline/watercourse crossings). A water use licence would therefore not need to be in place upon commencement of construction, but only for operation.

Mr Macevele mentioned that he would set up a meeting with Valerie from DWA to confirm if:

SM

- DWA can dispense the need for a licence for the Section 21c&i water uses (pipeline/watercourse crossings); and
- If so, what additional information is required to support dispensation.

Mr Macevele also requested that a copy of the Draft EIA report is sent to Valerie.

KM

Mr Macevele noted that it is important to ensure that the other water uses (over an above the watercourse crossings) are also covered as part of the reserve determination to ensure that there is no further delay.



MINUTES OF MEETING – EXPANSION OF THE EMALAHLENI MINE WATER RECLAMATION SCHEME

ACTION

Mr Macevele indicated that since certain volumes have changed for the 21(a) abstraction water uses, it needs to be verified whether an amendment to the WUL or a new application is required.

Mr Günther suggested that a meeting be scheduled with the RDM section of DWA together with Planning to: AD

- Ascertain which water uses associated with the proposed project require a reserve determination (establish existing information available); and
- Determine which water uses are amendments and which ones are new.

Mr Macevele asked that the specific discharge limitations for the Naauwpoortspruit be verified. Mr Günther stipulated that each of the items have the necessary documentation to ensure that an informed decision is taken to treat applications as amendments or new.

Mr Macevele expressed the need to understand the water supplier agreement with the Municipality as it will indicate whether the distribution of water to the Municipality qualifies as a discharge in terms of Section 21(f) of the National Water Act, 1998.

Mr Eckstein wanted to understand the difference between a new licence application and licence amendment. He indicated that according to the legislation changing the discharge volume does not qualify as a new use, hence disqualifying the need for a new application. Mr Macevele responded that it needs to be verified by their legal department. He also stated that a new licence application requires a lot more information compared to an amendment. Ms Chapman and Mr Günther requested if the letter submitted to Mr Macevele and containing all the water use activities with associated legal requirements, be forwarded to the legal department in order to obtain clarity as to which water uses will qualify as a new application or amendment. SM

Mr Günther urged the importance to meet with the various authorities in order to gain clarity on the various legal issues. OC / AD

7.0 Way Forward / Date of next meeting

Mr Macevele thanked everyone for attending the meeting.

It was decided that a number of one-on-one consultations with the various regulators will need to take place before the next ASC meeting. Mr Macevele added that should it be necessary to have another ASC meeting, the meeting should be held end of January / beginning of February 2011. All were in agreement.

Ms Chapman will send out an informal email that will contain an action list based on the outcomes of the meeting. OC

8.0 Meeting Closure

The meeting was formally adjourned.

Olivia Chapman

EIA Project Manager

GOLDER ASSOCIATES AFRICA (PTY) LTD



APPENDIX E

Comment and Response Report



ENVIRONMENTAL IMPACT ASSESSMENT (EIA) FOR
ANGLO AMERICAN THERMAL COAL'S EXPANSION OF THE
eMALAHLANI MINE WATER RECLAMATION SCHEME,
eMALAHLANI, MPUMALANGA PROVINCE
(DEDET REFERENCE NUMBER 17/2/2/1(e) NK-5)

This document records the comments, issues of concern, questions and suggestions for enhanced benefits raised by stakeholders on the Environmental Impact Assessment (EIA) for the proposed eMalahleni Mine Water Reclamation Project. Comments were raised in writing, and verbally during authority meetings, an open house and public meeting in 2009 and 2010.

The comments have been categorised as follows and responded to by members of the EIA team and Anglo American Thermal Coal.

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COMMENT AND RESPONSE REPORT

Comments, Suggestions and Questions Raised	Commentator	Organisation	Date	Source	Response
1.0 AUTHORITY STEERING COMMITTEE					
Which representative(s) from the DMR should be invited to the Authorities Steering Committee meeting on 26 November 2009?	Mr Peter Günther	Anglo American Thermal Coal	09 November 2009	Meeting with DMR, DMR Offices, Emalahleni	The Department of Mineral Resources (DMR) does not usually attend such combined authorities meetings. However, due to the unique nature of the project, the DMR may attend the meeting. Invitations should be forwarded to Andre Cronje and Martha Mokonyane.
Kama Meso should be DWA representative on the Steering Committee.	Ms Lerato Mautjawa	Department of Water Affairs (DWA)	06 November 2009	Meeting with DWA, DWA Offices, Bronkhorstspuit	Thank you for this information.
A letter describing the proposed project and the purpose of the Authorities Steering Committee (ASC) must be sent to the eMalahleni Local Municipality requesting a representative to attend the ASC Meetings.	Mr Eric Parker	eMalahleni Local Municipality	06 November 2009	Meeting with ELM, ELM Offices, eMalahleni	Thank you. Your comment is noted.
There is concern that individuals from the eMalahleni Local Municipality might not represent the ASC throughout the process due to high staff turnover.	Mr Lindela Tshwete	eMalahleni Local Municipality	02 February 2010	Authority Steering Committee Meeting	Noted. Thank you.
2.0 BENEFITS OF THE PROJECT					
The project expansion will have a positive effect on the area particularly in terms of employment opportunities and improving the quality of peoples' lives.	Ms Charity Mthimunye	MDEDET	19 October 2009	Meeting with the MDEDET, MDEDET Offices, eMalahleni	Thank you for your comment.



COMMENT AND RESPONSE REPORT

Comments, Suggestions and Questions Raised	Commentator	Organisation	Date	Source	Response
In light of current water shortages and future township growth, we would support the project fully. The Municipality will need more water, electricity and sewerage capacity to cater for future developments.	Cllr Ernest Maduna	eMalahleni Local Municipality	03 December 2009	Open House, Del Amor, Witbank	Thank you for this comment.
This is a good project as it supplies water to the Municipality, helps in creating sustainability, and is environmentally responsible especially in terms of the duty of care.	Ms Zanele Maphumulo	Department of Water Affairs (National)	03 December 2009	Open House, Del Amor, Witbank	Thank you for this comment.
3.0 IMPACTS ON WATER RESOURCES					
Alan Zimba has information on the supply and demand of water in the catchment and the project team should contact him to obtain the information.	Mr Lesley Nihapo	eMalahleni Local Municipality	06 November 2009	Meeting with ELM, ELM Offices, eMalahleni	Thank you for this information.
When will the proposed project commence. The KwaGuqa area is experiencing water shortages and this project would assist in meeting the area's water needs.	Cllr Ernest Maduna	eMalahleni Local Municipality	03 December 2009	Open House, Del Amor, Witbank	The expansion project will be commissioned in mid 2013.
How much water is being evaporated from the ponds collecting decant from the defunct Middleburg Steam and Station Collieries (MSSC) daily?	Ms Zanele Maphumulo	Department of Water Affairs (National)	03 December 2009	Open House, Del Amor, Witbank	Golder carried out supplemental monitoring at MSSC to determine the volume of water decanting from MSSC. This data was used to determine the mine water make of MSSC, which was calculated at 1.94 M ³ /day (average per day). Refer to Section 4.1.2 of the EIA Report.

COMMENT AND RESPONSE REPORT

Comments, Suggestions and Questions Raised	Commentator	Organisation	Date	Source	Response
Will studies be done for the whole catchment or only for the affected area?	Ms Zanele Maphumulo	Department of Water Affairs (National)	03 December 2009	Open House, Del Amor, Witbank	A study on the impacts of the proposed project on the entire catchment (up to the receiving water body- Loskop Dam) was conducted as part of the feasibility study. Refer to Section 7.7 of the EIA Report. In addition, the impacts of the proposed project on directly affected areas / local watercourses were assessed as part of the surface water study for the EIA. Refer to Appendix G of the EIA Report.
If the pipeline will cross Schonland Drive, or if it will run on the eastern side of the road, it will possibly impact negatively on the community's "clean groundwater" source used for religious rituals.	Mr Eric Parker	eMalahleni Local Municipality	08 December 2009	Meeting with Mr Eric Parker, eMalahleni Local Municipality, Witbank	Thank you for this information. The findings of the impact assessment revealed that the only impact on the groundwater regime will result from accidental spillage of oil or other hydrocarbons and pollutants along the proposed pipeline routes and within the construction sites/camps. This impact can, however, be prevented by implementing pollution prevention techniques on all construction equipment, e.g. drip trays on trucks. During the excavation of the pipeline trenches, sub-surface flow may seep into the trenches and would need to be removed to enable construction to continue. The volumes of water reporting to the trenches would, however, be negligible.
Can the results of the supplemental water monitoring conducted for the project be made available to government authorities to add to the library / database?	Mr Stanford Macevele	Department of Water Affairs	20 May 2010	Authority Steering Committee Meeting	This information will be made available to the DWA.



COMMENT AND RESPONSE REPORT

Comments, Suggestions and Questions Raised	Commentator	Organisation	Date	Source	Response
If wastewater from the plant is discharged into the Naauwpoortspruit, who takes responsibility for the wastewater, Anglo or the municipality?	Mr Ernest Maduna	Ward Councillor - eMalahleni Local Municipality	23 August 2010	Public Meeting, Del Amor, Witbank	Anglo American Thermal Coal does not discharge any untreated water. Should the municipality not be able to take all the treated water produced at the plant, the surplus water might be discharged into the local river (Naauwpoortspruit); no untreated water or wastewater will be discharged into the environment.
4.0 LANDOWNERSHIP					
According to a Deed of Transfer, dated 15 September 2009, Vanchem Vanadium Products (Pty) Ltd is the owner of Portion 24 of the farm Driefontein 297 JS, Mpumalanga.	Ms Suzette Hartzler	Vanchem Vanadium Products	03 December 2009	Written Comment	Thank you. This information is reflected in the property register that accompanies the map set.
It may be quicker to verify with the national Department of Public Works, Roads and Transport who the exact owners of the properties indicated as "government / state owned" in the property register are. Prior to 1994, all properties were purchased by the State, but post 1994 individual provinces were able to purchase properties. When the department establishes who the owners are, they will refer the project team to the correct authority.	Mr Lukas Bam	Department of Public Works, Roads and Transport	12 March 2010	Meeting with the Department of Public Works, Roads and Transport	Thank you for this valuable information.
Although Windeed property information indicates that "government / state owned" properties belong to the Republic of South Africa, they might be owned by the national department; the Department of Public Works, Roads and Transport would therefore not be the custodians	Mr Lukas Bam	Department of Public Works, Roads and Transport	12 March 2010	Meeting with the Department of Public Works, Roads and Transport	Anglo American Thermal Coal will mail Mr Lukas Bam the list of affected properties indicated as "government / state owned", as well as maps indicating the relevant properties in order for Mr Lukas Bam to confirm land ownership.



COMMENT AND RESPONSE REPORT

Comments, Suggestions and Questions Raised	Commentator	Organisation	Date	Source	Response
of the properties. The department has the descriptions of the properties and will consult with the deeds office with regard to the utilisation of the area and whether it is provincial or national government who are the landowners.					
Are any private landowners affected where the pipeline is crossing the N4?	Mr Lawrence Marsh	Landowner	23 August 2010	Public Meeting, Del Amor, Witbank	<p>The properties at the crossing beneath the N4 belong to the municipality.</p> <p>At present there are two distribution route options. Landowners will be affected if the distribution pipeline goes to KwaGuqa. If the distribution pipeline goes into town, some landowners could also be impacted. KwaGuqa is an area that needs an additional source of water, hence the point selection. However, their reservoir will not be able to handle all the extra water and thus it might be a better option to send the water to Municipal Reservoir B and from there transport the water to KwaGuqa.</p> <p>The use of the existing Reservoir A is another option, because water can then be fed to the pipeline linking to KwaGuqa, and there is an opportunity to feed the new development in the northern areas close to KwaGuqa. These options, however, need to be further discussed with the municipality.</p>



COMMENT AND RESPONSE REPORT

Comments, Suggestions and Questions Raised	Commentator	Organisation	Date	Source	Response
5.0 LOCATION OF WATER RECLAMATION PLANT (WRP)					
Why is it not a feasible option to treat excess mine water at the source, for example, at Kromdraai, as opposed to bringing water to a central point?	Ms Dineo Tswai	Department of Agriculture, Rural Development and Land Administration (MDEDET)	19 October 2009	Meeting with the MDEDET, MDEDET Offices, eMalahleni	As the mines are approaching closure, it would not be feasible to construct a WRP at the mine water sources. It will be practical to convey excess mine water to the treatment plant at Greenside Colliery, where existing infrastructure can be used. The proposed expansion of the WRP at Greenside is the solution for mines for their long-term water management strategy. If individual WRPs are constructed at the mine water sources, waste would have to be managed in a number of different locations. If waste is generated at a central point, for example a treatment plant at Greenside Colliery, waste can be disposed of at a central facility.
The expansion of the WRP should not be in close proximity to the N4/N12.	Mr Mike Yorke-Hart	SANRAL	03 December 2009	Open House, Del Amor, Witbank	The WRP is located north of the N12 highway, outside of the flood plain of the Naauwpoortspruit. The expansion of the WRP will take place within the Plant's boundary / footprint.
6.0 MINE CLOSURE					
Will Anglo continue with the abstraction and treatment of water after mine closure?	Ms Mbali Dlamini	Department of Water Affairs (DWA)	06 November 2009	Meeting with DWA, DWA Offices, Bronkhorstspuit	The Anglo American Thermal Coal Environmental Rehabilitation Trust Fund provides the costs for water desalination (including any future capital replacements, building of new waste facilities and



COMMENT AND RESPONSE REPORT

Comments, Suggestions and Questions Raised	Commentator	Organisation	Date	Source	Response
					shortfalls on operating costs) for at least 20 years after mine closure. The revenue obtained from selling water to the Municipality covers roughly a third of the costs to treat the water; the remaining costs are funded by the Trust. Contributions to the Trust Fund by individual operating mines are revised regularly and a breakdown of the Fund is presented to DMR annually.
What is the duration of the whole scheme; who will take ownership subsequent to mine closure?	Mr Mpho Tshitangoni	Department of Environmental Affairs	02 February 2010	Authority Steering Committee Meeting	The scheme does not have an end date. It will keep on treating water as long as there are mining operational and closure requirements. Anglo American Thermal Coal will retain ownership of the scheme, but is investigating external parties to operate the scheme upon mine closure.
What would happen to the Scheme if the mines close down?	Mr Stanford Macevele	Department of Water Affairs	20 May 2010	Authority Steering Committee Meeting	See response above.
The financial responsibility has to be investigated in depth as to who will be paying for what into the future.	Mr Koos Pretorius	Federation for a Sustainable Environment	09 July 2010	Written Comment	See response above.
<p>The FSE wishes to raise certain issues in relation to the EMWRS. We are objecting to this proposal until such time as these had been addressed to our satisfaction:</p> <ul style="list-style-type: none"> Who will pay the difference between the treatment cost and the cost of water? (the polluters or the communities); and For how long will the mining companies stay 	Mr Koos Pretorius	Federation for a Sustainable Environment (FSE)	12 September 2010	Written Comment	A meeting was held with Koos Pretorius on 22 September 2010. During the meeting Mr Pretorius reiterated that FSE's fundamental concern is that the public / consumers will end up paying for the costs to treat the mine water to potable water potable. Currently, Anglo is subsidising the cost to treat the mine water to potable water standards, i.e. there is a gap / shortfall between the costs to treat the



COMMENT AND RESPONSE REPORT

Comments, Suggestions and Questions Raised	Commentator	Organisation	Date	Source	Response
<p>responsible for the treatment costs? None of the above was addressed in the EIA Report meaningfully.</p>					<p>water and the revenue generated by selling the water to the Municipality. Who is going to cover this shortfall once all the mines have closed? Mr Pretorius added that information pertaining to this issue is not provided in the EIA Report.</p> <p>During the meeting, it was explained to MR Pretorius that this gap / shortfall is assessed in the closure costing exercise that is conducted every 3 years, and is provided for in the trust fund. The plant is not intended to close once the mines close; the plant is in place to cater for post-closure mine water management, and will therefore remain operational for many years to come. A 20 year life span has been allocated to the plant merely for financial modelling purposes.</p> <p>Furthermore, the current gap / shortfall is decreasing as additional revenue is being generated from the selling of by-products of the water treatment process, e.g. gypsum in building products. The goal is to have a self-sustaining project. Mr Pretorius indicated that should Anglo demonstrate how the gap / shortfall is addressed in the closure costing and financial provision, the FSE will have no problem with the project. It was confirmed by Anglo that a cost breakdown of how the gap / shortfall is calculated and how it is addressed will be provided to the FSE.</p>



COMMENT AND RESPONSE REPORT

Comments, Suggestions and Questions Raised	Commentator	Organisation	Date	Source	Response
7.0 MINE WATER COLLECTION					
What abstraction method will be used at the Middleburg Steam and Station Collieries?	Ms Hilmer Kruger	HILKRU	03 December 2009	Open House, Del Amor, Witbank	Mine water will be abstracted via borehole pumps or submersible pumps; this is still under investigation.
8.0 MINE WATER SOURCES					
Anglo American Thermal Coal should meet with the Department of Mineral Resources (DMR) within the next two weeks to discuss inclusion of Middleburg Steam and Station Collieries into the scheme (specifically in terms of the vehicle under which rehabilitation, including mine water management, and hence, closure, will be authorised), as well as the Trust Fund for the Water Reclamation Scheme.	Mr Andre' Cronje	DMR	09 November 2009	Meeting with DMR, DMR Offices, Emalahleni	A meeting was held with Mr Henk Lodewijks and Mr Andre Cronje of the DMR. The project team has considered the possible inclusion of defunct mines into the scheme in terms of the design of the various project components, for example, the collection pipelines have been designed with capacity to accommodate these additional mine water sources, should the decision be made to include them in the Scheme.
Has the project team consulted with the relevant authority in terms of including the old defunct mines into the scheme? Will this process hold back the project?	Ms Dineo Tswai	MDEDET	19 October 2009	Meeting with the MDEDET, MDEDET Offices, eMalahleni	The project team has consulted the Department of Mineral Resources (DMR) and will continue to do so. Anglo American Thermal Coal would like to commence with construction by middle 2010. There is the possibility that the approval process involved with the inclusion of the old defunct mines into the scheme will not be completed by mid-2010. The project team has provided for the inclusion of water from these mines in the project design if they are included later on.



COMMENT AND RESPONSE REPORT

Comments, Suggestions and Questions Raised	Commentator	Organisation	Date	Source	Response
The future inclusion of water from the defunct mines into the scheme is acceptable.	Ms Charity Mthimunye	MDEDET	19 October 2009	Meeting with the MDEDET, MDEDET Offices, eMalahleni	Thank you for your positive comment.
Who will drive the participation of the ownerless defunct mines in the proposed scheme?	Mr Garth Batchelor	Department of Economic Development, Environment and Tourism	02 February 2010	Authority Steering Committee Meeting	Pre-consultation is underway with the relevant State Departments in this regard.
9.0 OTHER					
Old mines should no longer be referred to as "state owned defunct mines" or "state owned property". These mines should be referred to as "defunct mines", "derelict" or "ownerless". The defunct mines are owned by public works.	Mr Andre' Cronje	DMR	09 November 2009	Meeting with DMR, DMR Offices, Emlahleni	Your comment is noted.
The figures in the presentation regarding the eMalahleni Municipality's water supply and demand look good and accurate. The general studies and statistics available are realistic.	Mr Eric Parker	eMalahleni Local Municipality (ELM)	06 November 2009	Meeting with ELM, ELM Offices, eMalahleni	Thank you for your comment. Reference should be made to Section 4.2 of the EIA Report.
Which defunct mines could be sources of mine water for the Scheme?	Ms Charity Mthimunye	MDEDET	19 October 2009	Meeting with the MDEDET, MDEDET Offices, eMalahleni	The defunct mines not owned by Anglo American Thermal Coal, which include Transvaal & Delagoa Bay (T&DB), Douglas 1, 2 and 3, and Coronation Collieries could be considered as sources of mine water.

COMMENT AND RESPONSE REPORT

Comments, Suggestions and Questions Raised	Commentator	Organisation	Date	Source	Response
The quality and colour of tap water in the KwaGuqa area is poor. This water is not even fit for washing purposes.	Cllr Ernest Maduna	eMalahleni Local Municipality	03 December 2009	Open House, Del Amor, Witbank	Anglo American Thermal Coal has various quality control procedures in place to test water from the Water Reclamation Plant before it is sent to the Municipality. However, the water managed at the reservoirs on the receiving end of the Scheme falls under the responsibility of the Municipality.
Does sewage water get re-used?	Mr Venus Sibuyi	Mpumalanga Department of Public Works	03 December 2009	Open House, Del Amor, Witbank	Some treated sewage water can be re-used for irrigation purposes, but is not considered in this project. This project only deals with the treating of mine water to potable water.
Is dewatering still being done in the defunct mines?	Ms Zanele Maphumulo	Department of Water Affairs (National)	03 December 2009	Open House, Del Amor, Witbank	No active dewatering is taking place from the defunct mines at this time.
Is any liquid effluent being released into streams currently?	Ms Zanele Maphumulo	Department of Water Affairs (National)	03 December 2009	Open House, Del Amor, Witbank	Decant from Middleburg Steam and Station Collieries is collected in a series of evaporation dams. Decant from T&DB Colliery is routed through the Department of Water Affairs (DWA) Brugspruit Treatment Plant, and from there to the Brugspruit.
Who supplies water to Anglo American Thermal Coal's residential areas? Does the Municipality supply some of the water?	Ms Zanele Maphumulo	Department of Water Affairs (National)	03 December 2009	Open House, Del Amor, Witbank	The Municipality supplies the mines' residential areas with water in Witbank, but the mine villages of Landau and Greenside Collieries are supplied directly from the WRP itself.



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Comments, Suggestions and Questions Raised	Commentator	Organisation	Date	Source	Response
The Department of Water Affairs is concerned that the municipal supply system is not a closed looped system, as some of the water is escaping from the system.	Ms Zanele Maphumulo	Department of Water Affairs (National)	03 December 2009	Open House, Del Amor, Witbank	Comment noted with thanks.
People would like to see the house that was built out of gypsum. Who can be contacted to arrange this?	Cllr Ernest Maduna	eMalahleni Local Municipality	03 December 2009	Open House, Del Amor, Witbank	Comment noted with thanks. Please contact Peter Günther on 013 691 5451.
HILKRU have prospecting rights in the local area and would like to discuss the possibility of mining Middlebug Steam and Station Collieries with Anglo American Thermal Coal.	Mr Hilmer Kruger	HILKRU	03 December 2009	Open House, Del Amor, Witbank	Noted with thanks.
Will the return in investment improve from Phase 1 to Phase 2 expansion?	Participant		03 December 2009	Open House, Del Amor, Witbank	There is no return on investment costs. Anglo American Thermal Coal's cost to treat the water is R11 per kilolitre (kl). The treated water is sold to the Municipality at R4,85 per kl (tariff for 2010/2011).
What is the possibility of other mines implementing similar projects?	Ms Zanele Maphumulo	Department of Water Affairs (National)	03 December 2009	Open House, Del Amor, Witbank	Other mines can implement similar projects. Optimum Coal Holdings are currently implementing a similar project.
The HILKRU property boundary is incorrect on the map set, particularly the detail on the eastern boundary.	Ms Hilmer Kruger	HILKRU	03 December 2009	Open House, Del Amor, Witbank	Thank you for this comment. The map set will be updated accordingly.
The Klipspruit sewage disposal works is being expanded and upgraded; this initiative could add value to the proposed scheme.	Mr Lindela Tshwete	eMalahleni Local Municipality	02 February 2010	Authority Steering Committee Meeting	Thank you for this information.
How long will construction take?	Ms Agrinate Mokoena	Ward councillor	23 August 2010	Public Meeting, Del Amor, Witbank	The funding has not yet been approved, but approval is imminent. It is expected that construction will commence in March 2011 and operation of the plant will commence in January 2013.



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Comments, Suggestions and Questions Raised	Commentator	Organisation	Date	Source	Response
What will the lifespan of the expansion project be?	Ms Sonita Kruger	Anker Coal and Mineral Holdings	23 August 2010	Public Meeting, Del Amor, Witbank	Anglo American Thermal Coal has ten operations in South Africa. Since 2001, the company has upgraded their pollution control trust fund – this is the rehabilitation fund that includes desalination of all the mines where management of water is required after mine closure. The mines associated with this plant will close down in 2025/2035, but funding has been provided already to continue the running of this plant post closure. The water reclamation scheme will in all probability have a lifespan of at least fifty years.
How will you maintain the pipes?	Mr Lawrence Marsh	Landowner	23 August 2010	Public Meeting, Del Amor, Witbank	The first step with pipeline maintenance is not to allow oxygen into the pipe. The system extracts the water which goes straight to the water reclamation plant which has a control valve that keeps the water under constant pressure, thus preventing any oxygen to enter the pipes. In the current operation, water scaling as a result of the chemical composition of the water in the pipes, needs to be managed. An alternative that has been designed is a “pigging system”, which can be used to clean the pipes on a regular basis. The other option is to add an anti-scalant to the water – this is a biodegradable product which will not precipitate in the structure or pipeline. As an operational requirement, a full contracting team has been appointed to look after the abstraction system and ensure that it is maintained and not at risk of breach or breakdown.



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Comments, Suggestions and Questions Raised	Commentator	Organisation	Date	Source	Response
What size pipes will be used?	Mr Lawrence Marsh	Landowner	23 August 2010	Public Meeting, Del Amor, Witbank	The biggest size of the proposed pipes is 450 mm diameter. As a comparison, the current distribution pipeline going into Reservoir B is 630 mm.
A number of water management initiatives in the area are currently underway. It would be very important to know which areas the DMR has awarded prospecting rights and what the legal implications could be for these water management initiatives.	Mr Stanford Macevele	Department of Water Affairs	07 September 2010	Authority Steering Committee Meeting	Comment noted.
10.0 PIPELINE CROSSINGS					
How far will the pipelines be from the N4/N12?	Mr Mike Yorke-Hart	SANRAL	03 December 2009	Open House, Del Amor, Witbank	The proposed collection pipeline will cross beneath the N4 but not the N12.
Crossing at intersections will not be allowed under the existing bridge. Intersections must be crossed by pipe jacking.	Mr Mike Yorke-Hart	SANRAL	03 December 2009	Open House, Del Amor, Witbank	Thank you for this valuable information.
Transnet would like to receive clarity on how the proposed pipelines will cross railway lines, if at all. Will Anglo American Thermal Coal make use of the existing culverts or construct their own culverts? In this case, will there be an emergency plan in place should pipeline leaks/bursts occur, to prevent disruption of the railway line or damage of nearby residents' properties?	Mr Philix Mnisi	Transnet	23 August 2010	Public Meeting, Del Amor, Witbank	The pipe jacking technique will be used to cross rural roads for the treated water pipes, which are about 1 metre in diameter. This is a standard method to cross railway lines or road systems. If there are existing culverts that can be used without affecting their storm water needs, they will be used, with authorisation from the roads and rail authorities. AATC is investigating the possibility of using the culvert under the N4 highway that contains the water pipe currently transporting water to Reservoir A



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Comments, Suggestions and Questions Raised	Commentator	Organisation	Date	Source	Response
					<p>(this reservoir is owned by the municipality). This, however, can only be discussed in detail once the distribution pipeline route for the expansion project has been finalised.</p> <p>As far as damage to the pipelines is concerned, pipeline pressure testing will be conducted during the construction phase, including a 24 hour pressure test at 1.5 x pressure rating of the pipeline system. If the pipeline pressure is not held for the 24 hour period, then that section of the pipeline will not be commissioned. To date, there have been no breaches or spills in the over 40 metres of pipelines for the existing project.</p> <p>Currently, Anglo has flow meters at the beginning and the end of each pipeline; there is a 24 hour control room at the plant which sends control signals to measure and detect any differences in flow. If a difference in flow is detected, this indicates that a burst or a spill has occurred and the necessary emergency measures can be put in place, e.g. cease pumping water. These same measures will be in place for the new pipelines associated with the expansion project.</p> <p>Thus, even though the chances of a breach in the water pipes are slim, there will be good construction and operational measures in place to address pipeline leaks/bursts.</p>



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Comments, Suggestions and Questions Raised	Commentator	Organisation	Date	Source	Response
Does the design of the pipeline cover the crossing of provincial roads, and has the necessary application been forwarded to our department?	Mr Venus Sibuyi	Department of Public Works, Roads and Transport	23 August 2010	Public Meeting, Del Amor, Witbank	There are not many road crossings. The engineering team has looked at many options to cross the national highway (N4). Existing culverts will be used to cross the highway. The necessary applications have been made and the engineering team are in discussion with SANRAL.
11.0 PIPELINE ROUTES					
Placing a pipeline or infrastructure over state owned land is not a problem. Such permission should come from the Public Works Department.	Mr André Cronje	DMR	09 November 2009	Meeting with DMR, DMR Offices, Witbank	Thank you for this information.
The final option in terms of the mine water sources for the project will determine the pipeline routes to be used.	Ms Charity Mthimunye	MDEDET	19 October 2009	Meeting with the MDEDET, MDEDET Offices, eMalahleni	Agreed, the current phase is investigating a number of different routes, which is strongly influenced by where the water is coming from, and the plant location infrastructure.
Please consider Vanchem's planned slimes dam when planning the pipeline.	Ms Suzette Hartzler	Vanchem Vanadium Products	03 December 2009	Open House, Del Amor, Witbank	The planned slimes dam has been taken into consideration during route selection. Through consultation with Vanchem, it has been determined that the proposed pipeline route will be located to the northern side of an existing Eskom servitude and will thus not impact on the dam.



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Comments, Suggestions and Questions Raised	Commentator	Organisation	Date	Source	Response
Anker Coal and Mineral Holdings has prospecting and mining rights on Portion 105 of the farm Blesboklaagte 296. This includes areas identified on page 23 of the map set. Please consider these areas when planning the pipeline.	Ms Sonita Kruger	Anker Coal and Mineral Holdings	03 December 2009	Open House, Del Amor, Witbank	Thank you for this comment. The prospecting and mining rights have been taken into consideration during route selection. Through consultation with Anker Coal it has been determined that the proposed pipeline route will not affect future prospecting or mining.
Eyethu Coal is planning to mine Portion 27 of the farm Driefontein 297. Please contact me to discuss the mine plan.	Mr Johan Kirsten	SAMANCOR	03 December 2009	Open House, Del Amor, Witbank	Thank you for this valuable information. Through consultation with Mr Johan Kirsten, it has been determined that the proposed pipeline route will not affect future prospecting or mining.
In light of the planned residential expansion south of N4, directly west of the existing Schoongezicht residential area, (P47), it is suggested that the pipeline be kept as close to the N4 as possible.	Mr Eric Parker	eMalahleni Local Municipality	08 December 2009	Meeting with Mr Eric Parker, eMalahleni Local Municipality, Witbank	A pipeline route refinement to this section of the pipeline route has been proposed to run between the N4 and the R104, so as not to restrict the planned residential development. Refer to Sections 5.1.7.3 and 9 of the EIA Report, and the map set.
Golder should investigate the impact of the proposed project on the existing gas pipelines on the eastern side of Schonland (Moses Kolane) drive.	Mr Eric Parker	eMalahleni Local Municipality	08 December 2009	Meeting with Mr Eric Parker, eMalahleni Local Municipality, Witbank	Thank you for this valuable information. Existing services running within the proposed pipeline routes will be taken into consideration during the detail design and construction phases. Permission to construct the proposed pipeline in the vicinity of the gas pipelines will be obtained prior to construction.
The preferred route for the section of the distribution pipeline in the vicinity of the N4 is south of the N4.	Mr Eric Parker	eMalahleni Local Municipality	08 December 2009	Meeting with Mr Eric Parker, eMalahleni Local Municipality, Witbank	Noted. A pipeline route refinement to this section of the pipeline route has been proposed to run south of the N4. Refer to Sections 5.1.7.3 and 9 of the EIA Report, and the map set.



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Comments, Suggestions and Questions Raised	Commentator	Organisation	Date	Source	Response
A pipeline servitude exists along the X16 which runs south of the Wastewater Treatment Plant, located near KwaGuqa. The proposed collection pipeline could be placed within this servitude.	Mr Eric Parker	eMalahleni Local Municipality	08 December 2009	Meeting with Mr Eric Parker, eMalahleni Local Municipality, Witbank	Comment noted with thanks. A pipeline route refinement to this section of the pipeline route has been proposed to follow the existing servitude. Refer to Sections 5.1.7.3 and 9 of the EIA Report, and the map set.
The information in the report is not sufficient to determine how TRAC will be affected by the proposed development.	Mrs Carla Davis	Trans African Concessions Pty (Ltd)	25 November 2009	Written Comment	Comment noted with thanks. A meeting between TRAC and the proponent will be set up shortly during which the location of the proposed pipeline(s) in relation to the N4 will be discussed.
Ferrometals is planning to construct a new tailings facility on Portion 9 of the farm Driefontein 2971R. The proposed Middelburg Steam and Station collection pipeline route traverses this property and may restrict Ferrometals' future plans.	Roark Rawheath	Ferrometals	07 May 2010	Meeting with Ferrometals, Witbank	Plans for the proposed tailings facility and the proposed pipeline route have been considered in detail. It is apparent that the section of the proposed pipeline route located on Portion 9 indeed traverses the footprint of the planned tailings facility. A pipeline route refinement to this section of the pipeline route has been proposed to run along the eastern boundary of the property and then run along the servitude across Portion 27 to join the original alignment. Refer to Sections 5.1.7.3 and 9 of the EIA Report, and the map set.
12.0 REGULATORY REQUIREMENTS					
Is the existing plant, which will be expanded, part of the EMP for Greenside?	Mr Andre' Cronje	DMR	09 November 2009	Meeting with DMR, DMR Offices, Emalahleni	The existing plant is part of the EMP for Greenside and an EMP addendums were compiled for each of mines contributing to the Scheme.



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Comments, Suggestions and Questions Raised	Commentator	Organisation	Date	Source	Response
It is possible that prospecting right applications have been submitted to the DMR for some of the defunct mines. This must be considered during routing of pipelines on these properties. Some of the rehabilitation work on T&DB should also be taken into account. It is recommended that a letter be addressed to Deon du Plessis indicating the intention of the proposed project, and the properties (farm portions) associated with defunct mines on which a proposed pipeline is routed.	Mr Andre' Cronje	DMR	09 November 2009	Meeting with DMR, DMR Offices, Emalahleni	Comment noted with thanks.
The general public should realise that water treatment is an environmental cost which should be part of an EMP.	Mr Andre' Cronje	DMR	09 November 2009	Meeting with the DMR, DMR Offices, Witbank	Thank you for this comment.
Ms Mthimunye advised that the EIA notification advertisement must be placed in the newspaper with a MDEDET reference number.	Ms Charity Mthimunye	MDEDET	19 October 2009	Meeting with the MDEDET, MDEDET Offices, eMalahleni	Your commented is noted. A MDEDET reference number for the EIA (17/2/2/1(e) NK-5) was obtained on 23 October 2009 and has been included in the EIA notification advertisement.
There is a concern about the Waste Act and the implications of the Integrated Regulatory Process to be followed. The project team should communicate with Joe Mabuza in the MDEDET Waste Section.	Ms Charity Mthimunye	MDEDET	19 October 2009	Meeting with the MDEDET, MDEDET Offices, eMalahleni	Subsequent to discussions with the Department of Environmental Affairs (DEA), the DEA indicated that an application for a waste management licence does not need to be lodged with the department. The additional brine and gypsum wastes can be disposed of under the existing licence until the Minister of Water and Environmental Affairs requests that an application for a waste management licence be submitted to the department. The treatment of wastewater is considered a listed waste activity. The



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Comments, Suggestions and Questions Raised	Commentator	Organisation	Date	Source	Response
					treatment of mine water to potable water standards is not considered by the department to be such an activity. However, the WRP needs to be registered as a water care works in terms of the previous Water Act, 1956 (Act 54 of 1956). Refer to Section 1.3.5 of the EIA Report.
All correspondence and meeting presentations with regard to this project must be forwarded to Ms Dineo Tswai for distribution to the relevant representative.	Ms Charity Mthimunye	MDEDET	19 October 2009	Meeting with the MDEDET, MDEDET Offices, eMalahleni	Thank you for this information.
The process being followed is clear, and will not take as long as the previous project. The project team should make sure that the DWA is involved in the decision-making process.	Ms Charity Mthimunye	MDEDET	19 October 2009	Meeting with the MDEDET, MDEDET Offices, eMalahleni	Thank you for this comment.
Golder should provide MDEDET with a completed application form. The MDEDET will provide Golder with a reference number, register the project and inform Golder who will be the officer in MDEDET handling this project.	Ms Charity Mthimunye	MDEDET	19 October 2009	Meeting with the MDEDET, MDEDET Offices, eMalahleni	Thank you for this comment.
How was the authorisation process in the previous project managed?	Ms Zanele Maphumulo	Department of Water Affairs (National)	03 December 2009	Open House, Del Amor, Witbank	An Integrated Regulatory Process was conducted. Golder facilitated the establishment of an Authorities Steering Committee chaired by Dr Garth Batchelor. The committee met regularly, and raised and discussed key issues to be dealt with in the authorisation process.



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Comments, Suggestions and Questions Raised	Commentator	Organisation	Date	Source	Response
Will Anglo American Thermal Coal be applying for mining rights for the Middelburg Steam and Station Collieries?	Ms Hilmer Kruger	HILKRU	03 December 2009	Open House, Del Amor, Witbank	This aspect is currently being addressed through discussions between Anglo American Thermal Coal and the Department of Mineral Resources.
Will a separate EIA for the EMP addenda be conducted?	Mr Abraham Maposo	Department of Mineral Resources	02 February 2010	Authority Steering Committee Meeting	The same findings of the specialist studies and public comments will be incorporated into the EMP addendum reports which will be submitted to the DMR at the same time the EIA and EMP in terms of the NEMA will be submitted to the DEDET.
Were the Landau Colliery and Greenside Colliery EMPs updated in accordance with the MPRDA as part of the Mining Rights Conversion Application approved by the DMR?	Mr Abraham Maposo	Department of Mineral Resources	02 February 2010	Authority Steering Committee Meeting	Anglo American Thermal Coal is currently in the process of aligning the EMPs for their operations in terms of the requirements of the MPRDA.
The existing authorisations for the brine ponds and gypsum waste disposal facilities need to form part of the motivation for the exemption application in terms of the NEMWA, should one be applied for.	Mr Mpho Tshitangoni	Department of Environmental Affairs	02 February 2010	Authority Steering Committee Meeting	Noted. Thank you. Subsequent to discussions with the DEA, the department indicated that an application for a waste management licence and/or exemption does not need to be lodged. Refer to Section 1.3.5 of the EIA Report.
It needs to be ensured that a copy of the Draft Scoping Report is submitted to the DWA, Bronkhorstspuit Office.	Ms Mbali Dlamini	Department of Water Affairs	02 February 2010	Authority Steering Committee Meeting	Noted. A copy of the DSR was submitted to Kama Meso of the DWA, Bronkhorstspuit Office on 23 November 2009.
The storage of mine affected water in underground mine voids is considered a Listed Activity in terms of GN R386 and needs to remain in the application.	Mr Garth Batchelor	Department of Economic Development, Environment and Tourism	02 February 2010	Authority Steering Committee Meeting	Noted. Thank you for this valuable information.



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Comments, Suggestions and Questions Raised	Commentator	Organisation	Date	Source	Response
Has the WRP been registered as a Water Care Works?	Mr Stanford Macavele	Department of Water Affairs	20 May 2010	Authority Steering Committee Meeting	The WRP has been registered in terms of Regulation 2834 of the previous Water Act, 1956 (Act 54 of 1956) for the erection, enlargement, operation and registration of water care works. Refer to Section 1.3.6 of the EIA Report.
Has Anglo American Thermal Coal's Environmental Management Programme (EMP) been updated in accordance with the MPRDA as part of the Mining Rights Conversion Application approved by the DMR?	Mr Stanford Macavele	Department of Water Affairs	20 May 2010	Authority Steering Committee Meeting	Anglo American Thermal Coal's Environmental Services Department is co-ordinating the alignment of the current EMP for its operations in terms of the requirements of the MPRDA. The proposed expansion project will, however, necessitate Addenda to the existing Greenside and Landau Colliery EMPs. The Environmental Impact Assessment underway would form the basis of these Addenda.
How was consultation with Interested and Affected Parties conducted?	Mr Stanford Macavele	Department of Water Affairs	20 May 2010	Authority Steering Committee Meeting	Consultation has been extended to directly affected landowners and all potentially affected communities along the proposed pipeline routes. Community leaders, such as councillors, were consulted and asked to convey information to their communities. The project was also advertised in local newspapers. Registered I&APs were invited to an open house to discuss the project with the project team. Refer to Sections 6.1.2 and 6.2.2 of the EIA Report.



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Comments, Suggestions and Questions Raised	Commentator	Organisation	Date	Source	Response
When will the issues raised in the past regarding Middleburg Steam and Station Colliery be addressed?	Ms Charity Mthimunye	MDEDET	20 May 2010	Authority Steering Committee Meeting	Provision has been made in the design of the proposed project to address the water component of Middleburg Steam and Station Colliery. The DMR has received prospecting right applications on Middleburg Steam and Station Collieries, from third parties. Anglo American Thermal Coal is in discussions with the DMR regarding this. A meeting will be held between Anglo American Thermal Coal, the DMR and the DWA to address issues around Middleburg Steam and Station Colliery.
What would happen if Interested and Affected Parties do not agree with the alternatives that have been suggested?	Mr Stanford Macavele	Department of Water Affairs	20 May 2010	Authority Steering Committee Meeting	A detailed public participation process has been undertaken; during this process, I&APs have had ample opportunities to comment and/or raise issues regarding suggested project alternatives (see Sections 6.1.2 and 6.2.2 of the EIA Report). The draft EIA report will be made available for review by Interested and Affected Parties before being submitted to the relevant authorities for decision-making.
The issuing of an Integrated Water Use Licence takes time and may delay the issuing of the Environmental Authorisation. The Environmental Authorisation may be granted with a condition stipulating that the IWUL needs to be in place prior to construction.	Mr Stanford Macavele	Department of Water Affairs	20 May 2010	Authority Steering Committee Meeting	In agreement with the DWA, the IWULA will be submitted to the DWA shortly. In addition, the DWA will commence with commenting on the draft EIA and specialist reports during the public review period. It is not the norm that construction can start only once the IWUL has been issued.



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Comments, Suggestions and Questions Raised	Commentator	Organisation	Date	Source	Response
					Construction can start upon receipt of an Environmental Authorisation from MDEDET. Operation can only commence upon receipt of the IWUL. The current facility already has an IWUL in place. However, it took almost 2 years from submission to receive the IWUL. Where possible, delays to the start of construction should be avoided, otherwise there may be dire consequences.
The reserve determination for Section 21(c) and (i) Water Uses, i.e. pipeline/watercourse crossings, has not been done for the study area. This information is needed to issue the relevant water use licences. Such information will take time to develop.	Mr Stanford Macevele	Department of Water Affairs	20 May 2010	Authority Steering Committee Meeting	Comment noted with thanks. Discussions regarding this matter are being held with the DWA.
Has the EIA team been liaising with the national department regarding this project?	Ms Charity Mthimunye,	Department of Agriculture, Rural Development and Land Affairs	20 May 2010	Authority Steering Committee Meeting	Yes; numerous discussions have been had with the DEA regarding the proposed project. A representative from the DEA attended the ASC meeting in February 2010.
The collection and storage of mine water in Central and South Pit 1 is a water use under Section 21(g) and must be applied for accordingly.	Mr Stanford Macevele	Department of Water Affairs	20 May 2010	Authority Steering Committee Meeting	Comment noted with thanks.
It is not necessary for the DWA to issue a WUL for the discharge of water into a municipal reservoir, but if it was previously authorised in this way, then it must amended if required. The water services division would have to comment on the agreement between the municipality and the mine.	Mr Stanford Macevele	Department of Water Affairs	20 May 2010	Authority Steering Committee Meeting	Noted. Thank you for this comment.



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Comments, Suggestions and Questions Raised	Commentator	Organisation	Date	Source	Response
The DEA would like to remind the project team to submit an exemption application as indicated in the meeting dated 03 December 2009.	Ms Kelello Ntoampe	Department of Environmental Affairs	22 April 2010	Written Comment	Subsequent to discussions with the DEA, the department indicated that an application for a waste management licence does not need to be lodged with the department. The additional brine and gypsum wastes can be disposed of under the existing licence until the Minister of Water and Environmental Affairs requests that an application for a waste management licence be submitted to the department. The treatment of wastewater is considered a listed waste activity. The treatment of mine water to potable water standards is not considered by the department to be such an activity. However, the WRP needs to be registered as a water care works in terms of the previous Water Act, 1956 (Act 54 of 1956). Refer to Section 1.3.5 of the EIA Report.
How do the new NEMA regulations impact on the proposed project?	Mr Venus Sibuyi	Department of Roads and Transport	23 August 2010	Public Meeting, Del Amor, Witbank	The application for the project was submitted to MDEDET in October 2009 and thus the project falls under the previous NEMA regulations. The new regulations are therefore not applicable to this project.
Areas which contain waste water may require a licence under the NEMWA.	Mr Stanford Macevele	Department of Water Affairs	07 September 2010	Authority Steering Committee Meeting	The DEA was consulted in this regard and they confirmed in writing that the NEWMA is not applicable. See above.



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Even if environmental authorisation for the watercourse crossings is obtained, construction of the watercourse crossings can only commence if a water use licence for the crossings (section 21c & i) has been obtained.	Mr Stanford Macevele	Department of Water Affairs	07 September 2010	Authority Steering Committee Meeting	During the meeting, Mr Macevele indicated that it is possible that the DWA can dispense the need for a licence for the Section 21c&i water uses (pipeline/watercourse crossings). A water use licence would therefore not need to be in place upon commencement of construction, but only for operation. Mr Macevele mentioned that he would set up a meeting with Valerie from DWA to confirm if the DWA can dispense the need for a licence for the Section 21c&i water uses (pipeline/watercourse crossings), and, if so, what additional information is required to support dispensation.
It must be emphasised that DWA has a backlog of water use license applications that needs to be cleared and considering the stringent timeline for the proposed project, aspects of uncertainty must be resolved and actions be prioritised to ensure that the application can be processed quickly.	Mr Stanford Macevele	Department of Water Affairs	07 September 2010	Authority Steering Committee Meeting	Comment noted.
It is important to ensure that all water uses (over an above the watercourse crossings) are covered as part of the reserve determination to ensure that there is no further delay in issuing a licence. Also, since certain volumes have changed for the 21(a) abstraction water uses, it needs to be verified whether an amendment to the WUL or a new application is required.	Mr Stanford Macevele	Department of Water Affairs	07 September 2010	Authority Steering Committee Meeting	The RDM section of the DWA has been consulted and it has been confirmed that the only reserve determination required is for the Naauwpoortspruit, for the Section 21(f) discharge water use. In addition, a letter containing all the water use activities with associated legal requirements, will be forwarded to the DWA's legal department to obtain clarity as to which water uses will qualify as a new application or amendment.



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13.0 SERVIDUTE AGREEMENTS					
Detailed plans showing where the pipelines will be located in relation to the road reserve of the national road must be submitted to Trans African Concessions (TRAC) / SANRAL in accordance with the SANRAL Act.	Mrs Carla Davis	Trans African Concessions Pty (Ltd)	25 November 2009	Written Comment	Comment noted with thanks.
TRAC is the concessionaire of the N4 Toll Road. Any pipeline/ service that is intended within the road reserve of the N4 Toll Road should be approved by TRAC.	Mrs Carla Davis	Trans African Concessions Pty (Ltd)	25 November 2009	Written Comment	Noted. Thank you for this comment.
Depending on the position of the pipeline, TRAC might require a formal commercial agreement to be entered into between TRAC and the proponent.	Mrs Carla Davis	Trans African Concessions Pty (Ltd)	25 November 2009	Written Comment	Noted. Thank you.
The Department of Public Works, Roads and Transport does not foresee problems with registering servitudes on the properties owned by the state. The legal work will be conducted by the state attorney.	Mr Lukas Bam	Department of Public Works, Roads and Transport	12 March 2010	Meeting with the Department of Public Works, Roads and Transport	Noted. Thank you.
If the properties belong to the national department, then the National Department of Public Works' property division must be consulted.	Mr Lukas Bam	Department of Public Works, Roads and Transport	12 March 2010	Meeting with the Department of Public Works, Roads and Transport	Noted. Thank you.
Anglo's application for registering servitudes will be considered by the Department of Public Works, Roads and Transport. The process takes three to six months. The application will be a 'right of way' application.	Mr Lukas Bam	Department of Public Works, Roads and Transport	12 March 2010	Meeting with the Department of Public Works, Roads and Transport	Thank you for this valuable information.



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Mr Lukas Bam will arrange for a meeting between Anglo and the Department of Public Works' legal team. The department is willing to guide Anglo with regard to consultation with the national department and attend the first meeting with them.	Mr Lukas Bam	Department of Public Works, Roads and Transport	12 March 2010	Meeting with the Department of Public Works, Roads and Transport.	Noted. Thank you.
14.0 SOCIO-ECONOMIC					
How will the local SMMEs benefit from this project?	Cllr Ernest Maduna	eMalahleni Local Municipality	03 December 2009	Open House, Del Amor, Witbank	Where available and suitable, Anglo American Thermal Coal intends using local labour and services for the proposed project. Impacts of the proposed project on the socio-economy of the study area were assessed during the impact assessment. Refer to Appendix M of the EIA Report.
Does Anglo American Thermal Coal currently use councilors or contractors to source labour and SMMEs?	Mr Venus Sibuyi	Mpumalanga Department of Public Works	03 December 2009	Open House, Del Amor, Witbank	Anglo American Thermal Coal uses a tender system to source contractors and other service providers. Contractors source their own labour, but Anglo American Thermal Coal recommends that local labour be used where possible.
Although the current water reclamation plant is in our municipal ward, it seems that not many people from the area have been employed at the plant.	Mr Ernest Maduna	Ward Councillor - eMalahleni Local Municipality	23 August 2010	Public Meeting, Del Amor, Witbank	Anglo American Thermal Coal was very conscious in the first phase of the project to employ people from local communities; approximately 63 % of the 700 employees were from the local community. In this expansion of the project, there will be engagement with the local community once more to ensure that local people get sourced for construction of the project.



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					<p>The current plant employs 40 people; 35 of those are contractors that have been sourced through a company called ENPC. Although they are based in Johannesburg, they are required to employ local contractors. At present, the plant has approximately 91 % historically disadvantaged people working on the plant, and of that, percentage 81 % are from local communities. Anglo American Thermal Coal is committed to do the same in the expansion phase of the project.</p>
<p>Will small contractors from local communities be allowed to tender for jobs on the proposed expansion? If so, who must they contact in Anglo American Thermal Coal? Secondly, when is the project expected to start?</p>	<p>Mr Ernest Maduna</p>	<p>Ward Councillor - eMalahleni Local Municipality</p>	<p>23 August 2010</p>	<p>Public Meeting, Del Amor, Witbank</p>	<p>In accordance with Anglo American's procurement regulations, you will need to be registered as a vendor with Anglo American Thermal Coal. There are a number of local people on the vendors list currently in the eMalahleni areas. The procurement division strives to accommodate local vendors first. Anglo will provide the details of how to register as a vendor in the updated Comment and Response Report. The process involves getting a vendor number which enables you to submit tenders for various packages advertised. Procurement staff may only consider registered vendors for work packages. The envisaged start date for the project is March 2011.</p> <p>The authorisation process needs to be completed first. Anglo American Thermal Coal is considering the formation of a community engagement forum where</p>



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					large construction companies that may not necessarily be locally based as a result of their specialist skills, can source local labour. Operation of the expanded plant is expected to commence in 2013.
We have heard that some companies "buy" the tender lists and exclude certain small contractors from bidding for these jobs. This results in the fact that some small companies who are eager and capable to do the work do not get the opportunity to bid on these tenders.	Mr Lawrence Marsh	Landowner	23 August 2010	Public Meeting, Del Amor, Witbank	Anglo would like to request small business owners to bring such practices to the attention of Anglo American Thermal Coal. Anglo is committed to using local companies and is in dialogue with the municipality to improve the sourcing of local labour.
What is the procedure to be followed to become a registered vendor and what paper work and documentation should be supplied?	Ms Julia Sibeko	eMalahleni Ward Committee	23 August 2010	Public Meeting, Del Amor, Witbank	A Vendor Application form needs to be completed which is provided by Anglo American's Supply Chain department. However, the potential vendor must first be confirmed by an Anglo American Thermal Coal employee that the work provided is required on the operation like the eMalahleni Water Reclamation Plant. If this is done and all paper work provided, the process should take about a month to complete and then if the vendor application is satisfactory, the company will be issued with a Vendor Number. Only then can the company tender for work to be done.



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15.0 SUSTAINABILITY OF THE PROJECT					
<p>The water utility being applied for should be under the correct authority. It is best that a water utility does not form part of a mine's EMP. The water utility should not become Government's responsibility after mine closure. It should be a sustainable solution, where costs to operate and maintain the utility are self-sustaining.</p>	<p>Mr Andre' Cronje</p>	<p>Department of Mineral Resources (DMR)</p>	<p>09 November 2009</p>	<p>Meeting with DMR, DMR Offices, Emalahleni</p>	<p>Anglo American Thermal Coal is currently investigating ring fencing the WRP and associated infrastructure from Greenside Colliery, which will exclude it from the EMP. However, until this process is complete Anglo American Thermal Coal will amend the Greenside EMP for this project.</p> <p>The Anglo American Thermal Coal Rehabilitation Trust Fund provides the costs for water desalination (including any future capital replacements, building of new waste facilities and shortfalls on operating costs) after mine closure. The revenue obtained from selling water to the Municipality covers roughly a third of the costs to treat the water; the remaining costs are subsidised by Anglo American Thermal Coal through the Trust Fund. Contributions to the Trust Fund by individual operating mines are revised regularly and a breakdown of the Fund is presented to DMR annually. Anglo American Thermal Coal is investigating external parties to operate the water reclamation scheme upon mine closure. It is not intended that the WRP will be handed over to the Government or the Municipality at mine closure.</p>



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Will Anglo cover the operating costs of the water reclamation scheme?	Mr Andre' Cronje	DMR	09 November 2009	Meeting with DMR, DMR Offices, Emalaheni	Yes.
In a previous meeting between Greenside Colliery and the Department of Water Affairs, concerns were raised about the sustainability of the WRP upon mine closure.	Ms Zanele Maphumulo	Department of Water Affairs (National)	03 December 2009	Open House, Del Amor, Witbank	As stated in responses above, Anglo American Thermal Coal is currently providing funds for water desalination after mine closure in the Anglo American Thermal Coal Rehabilitation Trust Fund.
The FSE welcomes the undertaking of the investigations to find a solution to the unacceptable situation currently in the area. This solution must, however, be based on the principles of sustainability, public participation and polluter pays principle. These fundamental principles have to be addressed and be shown to be addressed so that the community, whose water was affected by the mining activity, is not made to pay for the cleanup in order to get back the water that should have been for, inter alia, their use as part of the reserve and first legal right to water in terms of the National Water Act, 1998. There is no indication that a complete sustainability study will be conducted to show both the advantages and disadvantages (including the no-go option) of the project. This is essential.	Mr Koos Pretorius	Federation for Sustainable Environment (FSE)	09 July 2010	Written Comment	Thank you for this comment. Prior to the implementation of the existing water reclamation scheme, alternative institutional models were considered, in consultation with the local Water Services Authority, and the Department of Water Affairs. Aspects such as long term viability and independence and autonomy, were considered during the assessment. From an assessment of the various alternative institutional models, the model where mines are the lead implementing agent, acting through a private water company, was identified as most suitable for such a scheme. In this institutional model, a separate private company is established for the purpose of providing water services, including mine water collection, treatment and distribution to the Local Authority. However, it will take some time to set up such a dedicated Mine Water Company in terms of all applicable legislation. It was thus proposed that a



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					lead mine will act as the project proponent and implementer. The scheme has, however, been set up in a fashion which will allow future conversion to a dedicated and separate Mine Water Company. Refer to Sections 5.1.2 and 5.1.8 of the EIA Report.
16.0 TRAFFIC IMPACTS					
Will the project have traffic impacts on the N4/N12?	Mr Mike Yorke-Hart	SANRAL	03 December 2009	Open House, Del Amor, Witbank	The proposed pipelines will not cross the N4/N12 on surface. Impacts on traffic on the N4/N12 are thus not anticipated. Traffic impacts were addressed as part of the Social Impact Assessment - see Appendix M of the EIA Report. The majority of construction sites will not impact main road routes; however, the proposed distribution pipeline route to Reservoir A lies within Witbank CBD; increased traffic volume will therefore have a more significant impact, as the pipeline route will cross main road routes.
17.0 TREATED WATER DISTRIBUTION					
To which reservoirs is the treated water from Phase 1 of the project currently being distributed?	Mr Venus Sibuyi	Mpumalanga Department of Public Works	03 December 2009	Open House, Del Amor, Witbank	The treated water is currently being distributed to the Witbank Reservoir (Reservoir B).
The current mine water reclamation scheme adds 20 Ml of potable water to the municipal supply. This project will increase the available	Mr Ernest Maduna	Ward Councillor - eMalahleni Local Municipality	23 August 2010	Public Meeting, Del Amor, Witbank	Anglo American Thermal Coal intends to double water supply to Municipality from 20 Ml per day to 40 Ml only. There is room



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<p>water from mine water reclamation to 75 Ml. Will the municipality really require so much water?</p>					<p>to supply the municipality with another 20 Ml per day in future. From discussions with the municipality, there are two options for distribution points at the moment, namely KwaGuqa Reservoir or Reservoir A. The final distribution point still needs to be confirmed by the Municipality. For the existing scheme, mine water is sourced from 4 locations. There are 19 possible additional sources of mine water for the scheme. There is thus potential to expand the scheme to create an extraction system for a much larger area.</p>
<p>Has the possibility of using Reservoir B been investigated, as that reservoir already has the necessary infrastructure and this might prevent the cost of constructing more pipelines?</p>	<p>Ms Sonita Kruger</p>	<p>Anker Coal and Mineral Holdings</p>	<p>23 August 2010</p>	<p>Public Meeting, Del Amor, Witbank</p>	<p>Anglo is currently assessing with the municipality what the needs of the municipality are. There are large reservoirs which can accept the water, but do not have the necessary infrastructure to distribute the water. If water is sent to Reservoir A, the necessary infrastructure can be put in place to send water back to Reservoir B. This creates flexibility. Reservoir A is a primary distribution point. Water reversal in pipes to KwaGuqa is possible.</p>


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18.0 WASTE / BY-PRODUCTS					
Is there a trial project to build houses using gypsum?	Ms Kgaowelo Moshokwa	Kleinkopje Colliery	03 December 2009	Open House, Del Amor, Witbank	Anglo American Thermal Coal is currently conducting investigations into the re-use of gypsum in building materials. Currently, 66 gypsum houses are being built in the Kwa Mthunzi Vilakazi town for relocation of Anglo American Thermal Coal employees for mine accommodation. Thirty houses have been completed and have been occupied since the end of September 2010. The remaining houses will be ready for occupation at the end of November 2010. A project to also convert the brine into usable by-products for the fertilizer and explosives industry is also being trialed.
What is gypsum currently being used for?	Ms Kgaowelo Moshokwa	Kleinkopje Colliery	03 December 2009	Open House, Del Amor, Witbank	Gypsum generated at the Water Reclamation Plant is currently being disposed of into a dedicated compartment within the existing Blaauwkrans Co-Disposal Facility at the Navigation Section of Landau Colliery.
Where will the waste be disposed of when the Navigation Section closes, since the water will need to be treated and therefore waste will need to be disposed of in a long-term.	Cllr Ernest Maduna	eMalahleni Local Municipality	03 December 2009	Open House, Del Amor, Witbank	Anglo American Thermal Coal has planned for additional waste facilities until 2042, but if further facilities are required they will be constructed timeously. In addition, Anglo American Thermal Coal is investigating the re-use of gypsum in building materials, fertilizer, cement and mining industries.



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Will there be other projects in the country using gypsum to build houses? What are the health impacts of this initiative? Has this been approved by the authorities?	Ms Zanele Maphumulo	Department of Water Affairs (National)	03 December 2009	Open House, Del Amor, Witbank	<p>Anglo American Thermal Coal is currently conducting investigations into the re-use of gypsum in building materials. Gypsum is used in building materials for houses in South Africa.</p> <p>A human health risk assessment is currently being done; the results of which are available on request. The Human Health Risk Assessment revealed that the gypsum is suitable for use in building materials with no adverse impact to humans.</p> <p>An Approval Certificate was received in December 2009 from the Agremont Certification board after satisfactory SABS tests were conducted.</p>
What are the constituents of the brine?	Ms Zanele Maphumulo	Department of Water Affairs (National)	03 December 2009	Open House, Del Amor, Witbank	Brine contains Sodium, Potassium, Calcium, Manganese, and Sulphates.
When will the brine disposal facilities reach full capacity?	Ms Zanele Maphumulo	Department of Water Affairs (National)	03 December 2009	Open House, Del Amor, Witbank	The current brine ponds will have capacity until about November 2014. The additional facilities permitted during Phase 1 will be constructed subsequent to 2014, if required. Various projects have been initiated through Coaltech and the Water Research Commission, revealing that valuable by-products can be generated from the brine.
Is gypsum also used in cement?	Mr Venus Sibuyi	Mpumalanga Department of Public Works	03 December 2009	Open House, Del Amor, Witbank	Yes. Gypsum is also used in the cement making process.



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19.0 WATER QUALITY					
The quality of the water associated with defunct mines, particularly T&DB is of concern.	Ms Charity Mthimunye	MDEDET	19 October 2009	Meeting with the MDEDET, MDEDET Offices, eMalahleni	Comment noted with thanks.
Residents are complaining about the quality of the water being provided from the KwaGuqa Reservoir.	Ms Charity Mthimunye	MDEDET	19 October 2009	Meeting with the MDEDET, MDEDET Offices, eMalahleni	Comment noted with thanks. Anglo American Thermal Coal has various quality control procedures in place to test water from the Water Reclamation Plant before it is sent to the Municipality. However, the water managed at the reservoirs on the receiving end falls under the responsibility of the Municipality.
What quality of water is acceptable for drinking purposes?	Mr Venus Sibuyi	Mpumalanga Department of Public Works	03 December 2009	Open House, Del Amor, Witbank	Currently, Phase 1 of the project is producing water of a quality that meets South African National Standards 241 (Class 1), i.e. potable water / drinking water standards. See Section 4.3 of the EIA Report.
Who will be responsible for ensuring that the water being supplied by Anglo American Thermal Coal is of good quality? If people want to complain about the quality of water, should they approach the Municipality or Anglo American Thermal Coal?	Mr Venus Sibuyi	eMalahleni Local Municipality	03 December 2009	Open House, Del Amor, Witbank	The Municipality is the supplier of water in the area. As part of the proposed project, Anglo American Thermal Coal will supply additional water to be supplied by the Municipality. Anglo American Thermal Coal has various quality control procedures in place to test water from the Water Reclamation Plant before it is sent to the Municipality. However, the water managed at the reservoirs on the receiving end of the Scheme falls under the responsibility of the Municipality.



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Was mercury found in the samples taken from the local streams during the supplemental water monitoring programme?	Mr Stanford Macevele	Department of Water Affairs	20 May 2010	Steering Committee Meeting	No, mercury was within the correct specifications. Typical coal mines do not produce mercury or radioactive material as is the case with gold mines. However, should there be mercury present in the feed water to the WRP, it would be removed by reverse osmosis.
Would there be controlled release of mine water into the streams? The DWA would like to remove excess salts from the local streams.	Mr Stanford Macevele	Department of Water Affairs	20 May 2010	Steering Committee Meeting	Anglo American Thermal Coal does not rely on controlled release as a management tool.
Would the proposed expanded project produce brine, since newer technology will be used?	Mr Stanford Macevele	Department of Water Affairs	20 May 2010	Steering Committee Meeting	<p>Minimal additional brine volumes will be generated as part of the expansion project. The additional brine will continue to be disposed of into the existing brine pond located at the WRP site. When this facility reaches full capacity (anticipated to be in January 2015), the brine will then be disposed of at a new brine pond to be constructed at that time at the Blaauwkrans Dump at Navigation. Two future brine ponds at Blaauwkrans were already permitted as part of Phase 1 of the scheme.</p> <p>There is thus no need to build new waste disposal facilities as part of the expansion project.</p> <p>The possibility of implementing a technology that produces no brine is currently being assessed by Anglo American Thermal Coal.</p>