



environmental affairs

Department
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF ENVIRONMENTAL AFFAIRS

Application form for the rectification of unlawful commencement or continuation of a listed activity in terms of S24G of the National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended.

2010

Kindly note that:

1. This application form must be completed for all applications in terms of S24G of the National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended.
2. It is the responsibility of the Applicant / Environmental Assessment Practitioner (EAP) to ascertain whether subsequent versions of the application form have been published or produced by the relevant competent authority.
3. The content of the application for rectification form comprises of:
 - Section A: Application Information
 - Section B: Activity Information
 - Section C: Description of Receiving Environment
 - Section D: Preliminary Impact Assessment
 - Section E: Alternatives
 - Section F: Appendices
 - Section G: Declarations
4. An independent EAP must be appointed to complete the application form on behalf of the applicant; the declaration of independence must be completed by the independent EAP and submitted with the application.
5. The required information must be typed within the spaces provided. The sizes of the spaces provided are not necessarily indicative of the amount of information to be provided. The space provided extend as each space is filled with typing. A legible font type and size must be used when completing the form. The font size should not be smaller than 10pt (e.g. Arial 10).
6. The use of "*not applicable*" in the application form must be done with circumspection.
7. No faxed or e-mailed applications will be accepted. This application form must be submitted by hand or mailed to the relevant competent.
8. Unless protected by law, all information contained in and attached to this application form may become public information on receipt by the competent authority. Upon request, any interested and affected party must be provided with the information contained in and attached to this application form.
9. This application form constitutes the initiation of the S24G application process.

DEPARTMENTAL DETAILS

The Chief Director: Environmental Impact Management
Department of Environmental Affairs
Private Bag X447
Pretoria
South Africa
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SECTION A: APPLICATION INFORMATION

1. APPLICANT PROFILE INDEX

Cross out the appropriate box "X".

1.1	The applicant is an individual	YES	NO
1.2	The applicant is a company	YES	NO
1.3	The applicant is a state-owned enterprise or municipality	YES X	NO
1.4	Other (specify)	YES	NO
1.5	There is more than one individual / company responsible for the unlawful commencement of listed activities	YES	NO

Name of Project applicant:	Rand Water												
RSA Identity number:	6	2	1	2	0	5	5	2	9	2	0	8	5
Contact person:	Leslie Hoy												
Position in company	Manager : Environmental Management Services												
Registered Name of Company/ Closed Corporation													
Trading name (if any):													
Registration number													
Postal address:	P O Box 1127												
	Johannesburg						Postal code:		2000				
Telephone:	(011) 724 9350						Cell:		072 389 0302				
E-mail:	lhoy@randwater.co.za						Fax:		(011) 900 2108				

Please Note: In instances where there is more than one individual / company responsible for the unlawful commencement of listed activities, please attach a list of with all contact details to the back of this page.

Environmental Assessment Practitioner (EAP):	Nemai Consulting												
Contact person:	Khosi Mngomezulu												
Postal address:	P O box 1673												
	Sunninghill						Postal code:		2157				
Telephone:	(011) 7811730						Cell:		0832561292				
E-mail:	khosim@nemai.co.za						Fax:		(011) 7811731				
EAP Qualifications													
EAP Registrations/Associations													

Name of Landowner(s):	All works will be undertaken within the rand water servitude												
Contact person(s):													
Postal address:													
							Postal code:						
Telephone:	()						Cell:						
E-mail:							Fax:		()				

Please Note: In instances where there is more than one landowner, please attach a list of landowners with their contact details to the back of this page.

Rand Water is the owner of the servitude where the pipeline runs.

Municipality in whose area of jurisdiction the activity falls:	Ekurhuleni Metropolitan Municipality												
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Contact person:	Lilian Kwakwa				
Postal address:	P.O Box 25,				
	Edenvale	Postal code:		1610	
Telephone	(011) 999 3171		Cell:	083 589 8203	
E-mail:			Fax:	(086) 528 4810	

Please Note: In instances where there is more than one Municipality involved, please attach a list of Municipalities with their contact details to the back of this page.

Project title:	Replacement of J8 Shamrock Road – Leeuwpoot pipeline				
Property location:					
Farm/Erf name & number (incl. portion):					
SG21 Digit code:					
Co-ordinates:	Latitude (S):			Longitude (E):	
Starting point	26°	13'	31.96"	28°	17' 14.56"
End point	26°	11'	48.80"	28°	09' 46.72"

Please Note:
Where a large number of properties are involved (e.g. linear activities), attach a list of property descriptions to the back of this page. Indicate the position of the activity using the latitude and longitude of the centre point of the site for each alternative site. The co-ordinates must be in degrees, minutes and seconds. The minutes must be given to at least three decimals to ensure adequate accuracy. The EAP is required to contact the relevant competent authority with regards to the projection that must be used.

See Appendix H for 21 digit code of the properties involved

Street address:					
Magisterial District or Town:					

Please Note: In instances where there is more than one town or district involved, please attach a list of towns or districts as well as complete physical address information for the entire area to the back of this page.

Closest City/Town:		Distance	Km
Zoning of Property:			

Please Note: In instances where there is more than one zoning, please attach a map clearly indicating the zoning of the different portions.

Was a rezoning application required?	YES	NO X
Was a consent use application required?	YES	NO X

Please Note: Where planning approvals have been granted please attach the relevant approvals.

Owners consent:	Letters of consent from all landowners or a detailed explanation by the applicant explaining why such letters of consent are not furnished must be attached to the application form. .
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2. APPLICATION HISTORY

(Cross out the appropriate box "X" and provide a description where required).

Has any national, provincial or local authority considered any development applications on the property previously?	Yes	No X
if so, please give a brief description of the type and/or nature of the application/s: (In instances where there were more than one application, please attach a list of these applications)		
Which authority considered the application(s):		

Has any one of the previous application/s on the property been approved or rejected? If so provide a list of the successful and unsuccessful application/s and the reasons for decision/s.	Yes	No X
Provide detail on the period of validity of decision(s) and expiry dates of the above applications/ permits etc.		

I hereby apply in terms of Section 24 G of the National Environmental Management Act (Act no 107 of 1998 as amended) for the rectification of the unlawful commencement or continuation of the listed activity(ies) in Section B of the application form:	
Applicant (Full names) <u>Leslie Hoy</u>	Signature: <u>[Signature]</u>
Place: <u>Zwartkops</u>	Date: <u>17/6/2013</u>
EAP (Full names) <u>MAKHOSAZANA MNGOMEZULU</u>	Signature: <u>[Signature]</u>
Place: <u>RANDBURG</u>	Date: <u>17/07/2013</u>

SECTION B: ACTIVITY INFORMATION

1. ACTIVITIES APPLIED FOR:

Separate rectification applications are required for one development site where more than one listed activity has commenced and where these unlawfully commenced activities constitute offences in terms of different EIA regulations (refer to Table 1 & 2 of the S24G guideline).

Applicants and EAPS are strongly advised to discuss the merits of a combined application (*if deemed applicable*) with the relevant competent authority prior to the completion of this application form and submission thereof.

The relevant competent authority will use its discretion in deciding to allow one rectification application for more than 1 Section 24F(2)(a) contravention on one development site.

All potential listed activities associated with the development must be indicated below. (See Annexures B, C, D and E). Only those activities for which the applicant applies will be considered.

The onus is on the applicant to ensure that all the applicable listed activities are included in the application.

Listed activities applied for. Identify the relevant listed activities applied for below:

ECA EIA Contraventions : Between 08 September 1997 end of day 09 May 2002	
Activities unlawfully commenced with on or after 08 September 1997 and before end 09 May 2002: EIA Regulations promulgated in terms of the ECA, Act No 73 of 1989, as amended	
Listed Activity(ies)	Details of Activity(ies)

ECA EIA Contraventions : Between 10 May 2002 and before end of day 02 July 2006	
Activities unlawfully commenced with on or after 10 May 2002 and before end 02 July 2006: EIA Regulations promulgated in terms of the ECA, Act No 73 of 1989, as amended	
Listed Activity(ies)	Details of Activity(ies)

NEMA EIA Contraventions : Between 03 July 2006 and before end of day 01 August 2010	
Activities unlawfully commenced with in terms of the EIA Regulations promulgated in terms of the NEMA, Act No 107 of 1998, as amended on or after 03 July 2006 and before end of day 01 August 2010	
Government Notice No. R386 Activity No(s):	Details of Activity(ies) requiring Basic Assessment
Government Notice No. R387 Activity No(s):	Details of Activity(ies) requiring a Scoping Report and EIA

NEMA EIA Contraventions : On or after 02 August 2010	
Activities unlawfully commenced with in terms of the EIA Regulations promulgated in terms of the NEMA, Act No 107 of 1998, as amended on or after 02 August 2010	
Government Notice No. R544 Activity No(9):	Details of Activity(ies) requiring Basic Assessment
	This project will involve the construction of a 14.6km pipeline with a diameter of between 600mm to 800mm for the transportation of water.
Government Notice No. R544 Activity No(11):	The pipeline will cross watercourses and the infrastructure may be more than 50 square metres in size.
Government Notice No. R544 Activity No(18):	The project will include the construction of a pipeline across watercourses, which may include the dredging or excavation activities.
Government Notice No. R545 Activity No(s):	Details of Activity(ies) requiring a Scoping Report and EIA
Government Notice No. R546 Activity No(12):	Details of Activity(ies) requiring S&Elr
	The clearance of indigenous vegetation for the construction of the new pipeline in an area identified as a Critical Biodiversity Area (CBA) in the Gauteng Conservation Plan (version 3.3).

Government Notice No. R546 Activity No(13):	The clearance of indigenous vegetation for the construction of the new pipeline in an area identified as a Critical Biodiversity Area (CBA) in the Gauteng Conservation Plan (version 3.3).

2. ACTIVITY DESCRIPTION

(Cross out the appropriate box "X" and provide a description where required).

(a) Is/was the project a new development or an upgrade of an existing development?	New	Upgrade X
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(b) Clearly describe the activity and associated infrastructure commenced with, indicating what has been completed, what still has to be completed and applicable commencement dates.
The proposed activity is a replacement of a pipeline known as J8 that will run from Shamrock Road -Leeuwpoort. J8 pipeline comprises of a steel section approximately 13 745 meters in length and is coated with butimen. The outside diameter is 623 mm and the wall thickness is 6 mm. Most of the areas that are supplied by the J8 pipeline are fairly saturated in terms of the development of land. This pipeline runs through built up areas. A site camp has been established and completed and, the pipeline route has been cleared.

(c) Provide details of all components of the activity and attach diagrams (e.g. architectural drawings or perspectives, engineering drawings, process flow charts etc.).		
Buildings	YES	NO X
Provide brief description:		
Infrastructure (e.g. roads, power and water supply/ storage)	YES X	NO
Provide brief description:		
Processing activities (e.g. manufacturing, storage, distribution)	YES	NO X
Provide brief description:		
Storage facilities for raw materials and products (e.g. volume and substances to be stored)		
Provide brief description	YES	NO X
Storage and treatment facilities for solid waste and effluent generated by the project	Yes	No X
Provide brief description		
Other activities (e.g. water abstraction activities, crop planting activities)	Yes	No X
Provide brief description		

3. ACTIVITY NEED AND DESIRABILITY

Describe the need and desirability of the activity:
J8 pipeline is 50 years old and contains a history of leaks and bursts. The pipeline is losing its integrity and is becoming a health and life hazard which might lead to mortality. As such, there is insufficient supply of water which exerts pressure for Rand Water especially with

the high demand of water supply. The proposed replacement of the J8 pipeline will prevent loss of water and risks posed by the current pipeline due to leaks and bursts as previously reported. This will allow sufficient water supply by Rand Water on the associated areas.
Indicate the benefits that the activity has/had for society in general and also indicate what benefits the activity has/had for the local communities where it is located:
The society will have enough water supplies which will increase their standard of living. In addition, employment opportunities will be created for the local communities.

4. PHYSICAL SIZE OF THE ACTIVITY

Indicate the physical spatial size of the activity as well as associated infrastructure (footprints):	m^2
Indicate the area that has been transformed / cleared to allow for the activity as well as associated infrastructure	m^2
Total area (sum of the footprint area and transformed area)	m^2
Note: The proposed J8 pipeline is approximately 13 745 m in length, 623 mm in diameter and 6 mm in wall thickness.	

5. SITE ACCESS

Was there an existing access road?	YES X	NO
If no, what was the distance over which the new access road was built?	N/A	
Describe the type of access road constructed: [indicate the position of the access road on the site plan]		

6. SITE PHOTOGRAPHS

Colour photographs of the site and its surroundings (taken of the site and from the site), both before (if available) and after the activity commenced, with a description of each photograph must be attached to this application. The vantage points from which the photographs were taken must be indicated on the site plan, or locality plan as applicable. If available, please also provide past and recent aerial photographs. It should be supplemented with additional photographs of relevant features on the site. Date of photographs must be included. Photographs must be attached under Appendix D to this form.

7. APPLICABLE LEGISLATION, POLICIES AND/OR GUIDELINES

Please list all legislation, policies and/or guidelines that were or are relevant to this activity.

LEGISLATION	ADMINISTERING AUTHORITY	TYPE Permit/ license/ authorization/comment	DATE (if already obtained):
Title of legislation, policy or guideline	Applicability to the project	Administering authority	Date
National Environmental Management Act (Act No. 107 of 1998)	Management of the environment in the project area. The proposed construction activities trigger the requirement of an Environmental Authorisation to be obtained.	National Department of Environmental Affairs (DEA)	27 November 1998
EIA Regulations 2010 promulgated in terms of Section 24(5) of NEMA	Guidelines on the management of the environment in the project area	National Department of Environmental Affairs (DEA)	21 August 2010
The Environmental Conservation Act (Act No. 73 of 1989)	Conservation of environment in the project area.	National Department of Environmental Affairs (DEA)	09 June 1989
National Heritage Resources Act (Act of. 25 of 1999)	The possibility of finding graves or artefacts in the project area. Highly unlikely due to the area being previously disturbed.	South Africa Heritage Resources Agency (SAHRA)	28 April 1999
National Water Act (Act No.36 of 1998)	Water courses being crossed by the pipeline.	Department of Water Affairs (DWA)	20 August 1998
Occupational Health and	Occupational Health & Safety	Department of Labour	23 June 1993

Safety Act (Act 85 of 1993)	related matters to be considered, identified and managed during both the construction as well as operational phases of the pipeline.		
National Environmental Management: Air Quality Act, 2004	Possible emissions and dust caused during construction phase.	National Department of Environmental Affairs (DEA)	24 February 2005
Constitution, 1996 (Act No. 108 of 1996)	Project falling within the boundaries of the Republic of South Africa.	Parliament	18 December 1996
National Environmental Management: Biodiversity Act (Act No. 10 of 2004)	Pipeline traversing sensitive areas e.g. water courses.	National Department of Environmental Affairs	07 June 2004
National Environmental Management Waste Act (Act No. 59 of 2008)	Waste material being produced during the construction phase.	National Department of Environmental Affairs (DEA)	03 July 2008
The Conservation of Agricultural Resources Act (act No. 43 of 1983)	The proposed work taking place adjacent to agricultural areas.		21 April 1983

POLICY/ GUIDELINES	ADMINISTERING AUTHORITY

SECTION C: DESCRIPTION OF RECEIVING ENVIRONMENT

6. Site/Area Description

For linear activities (pipelines etc) as well as activities that cover very large sites, it may be necessary to complete copies of this Section for each part of the site that has a significantly different environment. In such cases please complete copies of Section C and indicate the area which is covered by each copy No. on the Site Plan.

Section C Copy No. (e.g. 1, 2, or 3):

1

1. GRADIENT OF THE SITE

Indicate the general gradient of the site(s) (cross out the appropriate box).

Flat X	Flatter than 1:10	1:10 – 1:5	Steeper than 1:5
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2. LOCATION IN LANDSCAPE

Indicate the landform(s) that best describes the site (cross out ("X") the appropriate box (es)).

Ridgeline X	Plateau	Side slope of hill/mountain	Closed valley	Open valley	Plain	Undulating plain/low hills	Dune	Sea-front	Other
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3. GROUNDWATER, SOIL AND GEOLOGICAL STABILITY OF THE SITE

Is the site(s) located on or near any of the following [cross out ("X") the appropriate boxes]?

Shallow water table (less than 1.5m deep)	YES X	NO	UNSURE
Seasonally wet soils (often close to water bodies)	YES X	NO	UNSURE
Unstable rocky slopes or steep slopes with loose soil	YES	NO X	UNSURE
Dispersive soils (soils that dissolve in water)	YES X	NO	UNSURE
Soils with high clay content	YES X	NO	UNSURE

Any other unstable soil or geological feature	YES	NO X	UNSURE
An area sensitive to erosion	YES X	NO	UNSURE
If any of the answers to the above are "YES" or "UNSURE", specialist input may be requested by the Department. Information in respect of the above will often be available at the planning Sections of local authorities. Where it exists, the 1:50 000 scale Regional Geotechnical Maps prepared by Geological Survey may also be used.			

4. SURFACE WATER

Indicate the surface water present on and or adjacent to the site and alternative sites (cross out ("X") the appropriate boxes)?

Perennial River	YES	NO X	UNSURE
Non-Perennial River	YES X	NO	UNSURE
Permanent Wetland	YES X	NO	UNSURE
Seasonal Wetland	YES	NO X	UNSURE
Artificial Wetland	YES	NO X	UNSURE
Estuarine / Lagoonal wetland	YES	NO X	UNSURE

5. VEGETATION AND GROUNDCOVER

5.1 VEGETATION / GROUNDCOVER (PRE-COMMENCEMENT)

Cross out ("X") the block or describe (where required) the vegetation types / groundcover present on the site before commencement of the activity.

Indigenous Vegetation - good condition		Indigenous Vegetation with scattered aliens		Indigenous Vegetation with heavy alien infestation	X
Describe the vegetation type above:		Describe the vegetation type above:		Describe the vegetation type above: Soweto Highveld grassland	
Provide ecosystem status for above:		Provide ecosystem status for above:		Provide Ecosystem status for above: Endangered	
Indigenous Vegetation in an ecological corridor or along a soil boundary / interface		Veld dominated by alien species X		Distinctive soil conditions (e.g. Sand over shale, quartz patches, limestone, alluvial deposits, termitaria etc.) – describe	
Bare soil		Building or other structure X		Sport field	
Other (describe below)		Cultivated land		Paved surface X	

5.2. VEGETATION / GROUNDCOVER (POST-COMMENCEMENT)

Cross out ("X") the block or describe (where required) the vegetation types / groundcover present on the site after commencement of the activity.

Indigenous Vegetation - good condition		Indigenous Vegetation with scattered aliens		Indigenous Vegetation with heavy alien infestation	X
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Describe the vegetation type above:	Describe the vegetation type above:	Describe the vegetation type above: Soweto Highveld grassland
Provide ecosystem status for above:	Provide ecosystem status for above:	Provide Ecosystem status for above: Endangered
Indigenous Vegetation in an ecological corridor or along a soil boundary / interface	Veld dominated by alien species X	Distinctive soil conditions (e.g. Sand over shale, quartz patches, limestone, alluvial deposits, termitaria etc.) – describe
Bare soil X	Building or other structure	Sport field
Other (describe below) X	Cultivated land	Paved surface
Bare soil is visible only on the cleared area; otherwise, the groundcover remains the same as the pre-commencement on the proposed area.		
<p>Please note: The Department may request specialist input/studies depending on the nature of the vegetation type / groundcover and impact(s) of the activity/ies. To assist with the identification of the <u>vegetation type</u> and <u>ecosystem status</u> consult http://bgis.sanbi.org or BGIShelp@sanbi.org. Information is also available on compact disc (cd) from the Biodiversity-GIS Unit, Ph (021) 799 8698. This information may be updated from time to time and it is the applicant/ EAP's responsibility to ensure that the latest version is used.</p> <p>See appendix F1 for the ecology report</p>		

5.3 VEGETATION / GROUNDCOVER MANAGEMENT

Describe any mitigation/management measures that were adopted and the adequacy of these:

An alien plant species removal programme was adopted since the study area was heavily infested. The indigenous species removed will be utilised during the rehabilitation process of the proposed area.

6. LAND USE CHARACTER OF SURROUNDING AREA (PRE-COMMENCEMENT)

Cross out ("X") the block that reflects the past land uses and/or prominent features that occur/red within +/- 500m radius of the site and neighbouring properties if these are located beyond 500m of the site. Please note: The Department may request specialist input/studies depending on the nature of the land use character of the area and impact(s) of the activity/ies.

Untransformed area	Low density residential	Medium density residential	High density residential X	Informal residential X
Retail	Commercial & warehousing	Light industrial	Medium industrial X	Heavy industrial
Power station	Office/consulting room	Military or police base/station/compound	Casino/entertainment complex	Tourism & Hospitality facility
Open cast mine X	Underground mine	Spoil heap or slimes dam	Quarry, sand or borrow pit	Dam or reservoir
Hospital/medical center	School	Tertiary education facility X	Church	Old age home
Sewage treatment plant	Train station or shunting yard	Railway line X	Major road (4 lanes or more)	Airport
Harbour	Sport facilities	Golf course	Polo fields	Filling station X
Landfill or waste treatment site	Plantation	Agriculture	River, stream or wetland X	Nature conservation area
Mountain, koppie or ridge X	Museum	Historical building X	Graveyard X	Archaeological site
Other land uses (describe):				

7. REGIONAL PLANNING CONTEXT

Is/was the activity permitted in terms of the property's existing land use rights? Please explain

Yes. The proposed pipeline is replacement of an existing pipeline.

Is/was the activity in line with the following?

o Provincial Spatial Development Framework (PSDF)	YES X	NO	Please explain
<p>The proposed development will provide water supply to the Germiston – Boksburg area in Gauteng. The pipeline will be a replacement within existing Rand Water servitude, which in turns means the land included in the servitude area is intended to be used for the placement of pipeline for the provision of bulk water supply. In addition Rand Water is a parastatal.</p> <p>The Ekurhuleni Municipality Spatial Development Framework Review 2010/2011 indicates that from a water viewpoint there are major constraints to future developments. Due to its nature this project is in line with the Ekurhuleni Municipality Spatial Development Framework.</p>			
o Urban edge / Edge of Built Environment for the area	YES X	NO	Please explain
<p>The proposed activity falls within the urban edge.</p>			
o Integrated Development Plan of the Local Municipality	YES X	NO	Please explain
<p>According to the municipal IDP 2013/14 concerns were raised regarding the loss of water due to leaking and bursting of pipes. "The municipality started last financial year (2011/12) with the use of electronic management information system (eMIS) for maintenance purposes to curb water losses due to delayed responses in attending to burst water pipes. The system is assisting to improve the turnaround time for attending leaks and thus saving water, which is another suggestion that is under implementation within the City".</p>			
o Spatial Development Framework of the Local Municipality	YES X	NO	Please explain
<p>The proposed activity forms part of the 2025 Growth & Development Strategy vision of the Municipality which supports the sufficient supply of water by Rand Water.</p>			
o Approved Structure Plan of the Municipality	YES	NO	Please explain
<p>Unknown at this stage. This project is aimed at improving the current operating conditions of water supply to the Germiston – Boksburg area in Gauteng.</p>			
o Any other Plans	YES	NO X	Please explain
None			

8 SOCIO-ECONOMIC CONTEXT

8.1 SOCIO-ECONOMIC CONTEXT (PRE-COMMENCEMENT)

Describe the pre-commencement social and economic characteristics of the community in order to provide baseline information.

7.

Industry	Ekurhuleni Metropolitan Municipality	Boksburg	Germiston
Agriculture, forestry and fishing	0%	0%	0%
Mining and quarrying	2%	3%	1%
Manufacturing	28%	23%	23%
Electricity, gas and water	2%	2%	4%
Construction	4%	4%	5%
Wholesale and retail trade, catering and accommodation	15%	13%	16%
Transport, storage and communication	10%	10%	10%
Finance, insurance, real estate and business services	21%	26%	23%
Community, social and personal services	4%	4%	4%
General government	14%	14%	14%

8.

8.2 SOCIO-ECONOMIC CONTEXT (POST-COMMENCEMENT)

Describe the post commencement social and economic characteristics of the community in order to determine any change.

9.

No changes have occurred on the socio-economic characteristic of the community since the site has only been cleared.
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CULTURAL/HISTORICAL FEATURES

Were there any signs or evidence (unearthed during construction) of culturally or historically significant elements including archaeological or palaeontological sites, on or in close proximity to the site?		YES	NO
		X	
		UNCERTAIN	
If YES, explain:	A graveyard was found within 100m of the proposed activity. In addition is the Angelo Hotel situated approximately 2m from the pipeline route.		
If uncertain, the Department may request that specialist input be provided to establish whether such possibilities occurred on or close to the site.			
Briefly explain the findings of the	The proposed pipeline will run alongside the road with Boksburg cemetery located on both sides of the road,		

specialist if one was already appointed:	however, no graves will be impacted since the graveyard is protected by means of a fence. The Angelo Hotel is no more used as a hotel but occupied as a permanent residence.	
Were any buildings or structures older than 60 years affected in any way?	YES X	NO
Was it necessary to apply for a permit in terms of the National Heritage Resources Act, 1999 (Act 25 of 1999)?	YES	NO X
If yes, please submit or, make sure that the applicant or a specialist submit the necessary application to SAHRA or the relevant provincial heritage agency and attach proof thereof to this application.		
A heritage impact assessment report will be submitted to the Provincial Heritage Resources Authority – Gauteng (PHRA-G). See appendix F2 for the report.		

SECTION D: PRELIMINARY IMPACT ASSESSMENT

Please note, the impacts identified below refer to general impacts commonly associated with development activities. The list below is not exhaustive and may need to be supplemented. Where required, please append the information on any additional impacts to this application.

1. WASTE, EFFLUENT AND EMISSION MANAGEMENT

(a) Solid waste management

Did/does the activity produce any general waste (e.g. domestic-, commercial-, certain industrial waste, including building rubble also known as solid waste) during the construction phase and/or the operational phase?	YES X	NO
If yes, briefly describe what type of waste was produced (i.e. green waste, building rubble, etc.) in which phase.		
Green waste was produced during site clearing.		
What quantity was/is produced during the construction period?	Unknown	
What was/is the estimated quantity that will be produced per month during the operational phase?	Unknown	

Did/does the activity produce any hazardous waste (e.g. chemical, medical waste, infectious, nuclear etc.) during the construction and/or the operational phase?	YES	NO X
If yes, briefly describe what type of waste was produced (i.e. infectious waste, medical waste, etc.) in which phase.		
What quantity was/is produced during the construction period?	m ³	
What was/is the estimated quantity that will be produced per month during the operational phase?	m ³	

Where and how was/is waste treated / disposed of (describe each waste stream)?		
Has the municipality or relevant authority confirmed that sufficient capacity exist for treating / disposing of the solid waste to be generated by this activity(ies)? If yes, provide written confirmation from municipality or relevant authority	YES	NO X
Does/did the activity produce solid waste that was/will be treated and/or disposed of at another facility other than into a municipal waste stream?	YES	NO X
If yes, did/has this facility confirmed that sufficient capacity exist for treating / disposing of the solid waste to be generated by this activity(ies)? Provide written confirmation from the facility and provide the following particulars of the facility:	YES	NO X
Did/does the facility have an operating license? (If yes, please attach a copy of the license.)	YES	NO X
Facility name:		
Contact person:		
Postal address:		
	Postal code:	
Telephone:	Cell:	
E-mail:	Fax:	

(b) Effluent

Did/does the activity produce sewage and or any other effluent?	YES	NO X
What was/is the estimated quantity produced per month?		
Was/is the effluent treated and/or disposed of in a municipal system?	YES	NO X
If Yes, did/has the Municipality or relevant authority confirmed that sufficient unallocated capacity exist for treating / disposing of the sewage or any other effluent generated by this activity(ies)? Provide written confirmation from the Municipality or relevant authority.		
Was/is any effluent produced be treated and/or disposed of on site?		
If yes, briefly describe the nature of the effluent and how it was/will be disposed of:		
Did/does the activity produce effluent that was/will be treated and/or disposed of at another facility?		
If yes, did/has this facility confirmed that sufficient capacity exist(ed) for treating / disposing of the liquid effluent generated by this activity(ies)? Provide written confirmation from the facility and provide the following particulars of the facility:		
Does the facility have an operating license? (If yes, please attach a copy of the license.)		
Facility name:		
Contact person:		
Postal address:		
		Postal code:
Telephone:		Cell:
E-mail:		Fax:
Describe the measures that was/will be taken to ensure the optimal reuse or recycling of waste water, if any:		
N/A		

(c) Emissions into the atmosphere

Did/does the activity produce emissions that will be disposed of into the atmosphere?	YES	NO X
If yes, did/does it require approval in terms of relevant legislation? If yes, attach a copy to this application	YES	NO X
Describe the emissions in terms of type and concentration and how it was/will be treated/mitigated:		
Short-term dust emissions are expected during the construction phase of the project.		

(d) Describe any mitigation/management measures that were adopted and the adequacy of these:

The Contractor shall ensure that a minimum of dust is generated by construction and related activities. Dust pollution should be suppressed on access roads and the construction site during dry periods by regular application of water or biodegradable soil stabilisation agent such as lime sulphate. If water is used it must not be used in such a manner that the contractor or Rand Water could be accused of water wasting. All construction vehicles must be serviced on a frequent basis as a means of limiting gaseous emissions.

2. WATER USE

(a) Please indicate the source(s) of water for the activity by crossing out ("X") the appropriate box(es)

Municipal	Water Board X	Groundwater	River, Stream, Dam or Lake	Other	The activity did/does not use water
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If water was/is extracted from a groundwater source, river, stream, dam, lake or any other natural feature, please indicate the volume that was/is extracted per month: N/A

Please provide proof of assurance of water supply eg. letter of confirmation from Municipality/water user associations, yield of borehole etc.

Did/does the activity require a water use permit / license from DWAF? If yes, attach a copy to this application	YES	NO X
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If yes, please submit the necessary application to Department of Water Affairs and Forestry and attach proof thereof to this application.

Comment: Please note that a conditional Water Use License has been approved for the project and thus no Water Use License Application (WULA) will be undertaken. See appendix E for approved Water Use License.

(b) Describe any mitigation/management measures that were adopted and the adequacy of these:

N/A

3. POWER SUPPLY

(a) Please indicate the source of power supply eg. Municipality / Eskom / Renewable energy source.

The proposed pipeline will not require power supply for its placement.

Has the Municipality or relevant service provider confirmed that sufficient electricity capacity (i.e. generation, supply and transmission) exist for activity(ies)? If yes, provide written confirmation from Municipality or relevant service provider.	YES	NO X
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If power supply was/is not available, where was/is it sourced from?

Should power supply be requested, a generator will be used.

(b) Describe any mitigation/management measures that were adopted and the adequacy of these:

N/A

4. ENERGY EFFICIENCY

(a) Describe the design measures, if any, that have been taken to ensure that the activity is energy efficient:

Low voltage or compact fluorescent lights will be considered during the construction phase of the project.

(b) Describe how alternative energy sources have been taken into account or been built into the design of the activity, if any:

No energy sources are required, therefore, no alternative energy sources have been considered.

5. NOISE IMPACTS

(a) Did/does the activity result in any noise impacts?	YES X	NO
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If yes, please describe and indicate the measures implemented to mitigate and manage these impacts?

The anticipated noise will be that from the construction vehicles during the construction phase. All construction vehicles should be serviced on a frequent basis as a means of limiting excessive noise level. The contractor must ensure the silencers of all construction vehicles and machinery is working

Please note: The Department may request specialist input/studies depending on the nature of the land use character of the area and potential noise impact(s) of the activity/ies.

6. VISUAL IMPACTS

(a) Did/does the activity result in any visual impacts?	YES	NO X
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If yes, please describe and indicate the measures implemented to mitigate and manage these impacts?

(b) Did/does the activity result in potential lighting impacts at night?	YES	NO X
If yes, please describe and indicate the measures implemented to mitigate and manage these impacts?		
(c) Were/are there any alternatives available to address this impact?	YES	NO X
If yes, please describe these alternatives?		

Please note: The Department may request specialist input/studies depending on the nature of the land use character of the area and potential visual impact(s) of the activity/ies.

7. SOCIO-ECONOMIC IMPLICATIONS OF THE ACTIVITY

(a) What was/is the expected capital value of the activity on completion?	R 160 000000
(b) What was/is the expected yearly income or contribution to the economy that will be generated by or as a result of the activity?	R ± 60 000000
(c) Did/does the activity contribute to service infrastructure?	YES X NO
(d) How many permanent new employment opportunities were created?	± 15
(e) What was/is the expected current value of the employment opportunities to date?	10 months X 80 employees
(f) What percentage of this accrued to previously disadvantaged individuals?	30 %

How was (is) this (to be) ensured and monitored (please explain):
Rand water will ensure that the proposed activity will enhance the socio-economy of the area in terms of sufficient water supply and creating job opportunities during the construction phase.

8. PRELIMINARY IMPACT ASSESSMENT

Briefly describe the impacts (as appropriate), significance rating of impacts and significance rating of impacts after mitigation. This must include an assessment of the significance of all impacts. Please note: This is a preliminary impact statement. The Department may request specialist input/studies depending on the type and nature of the impact(s) of the activity/ies.

Possible Impacts	Significance rating of impacts before mitigation (Low, Medium, Medium-High, High, Very High):	Significance rating of impacts after mitigation (Low, Medium, Medium-High, High, Very High):
Establishment of site camp	Medium	Low
• Vegetation clearing		
Soil	Medium – high	Low
• Cleared soil areas will be prone to erosion and special measures will need to be taken to mitigate siltation		
• Spillage (e.g fuel) and removal of soil for construction purposes		
Wetlands	Medium	Low
• Reduce aquatic life (temporarily)		
Flora	Medium	Low
• Vegetation and habitat disturbance due to the accidental introduction of alien species		
Fauna	Medium	Low
• Disturbance of animals residing within the designated pipeline route		
Heritage Resources:	Medium - High	Low
• Disturbance on the Angelo Hotel and the cemetery.		
Safety and security:	Medium – high	Low
• Uncontrolled access to servitude and obtaining injuries during construction		

SECTION E: ALTERNATIVES

As part of this report, consideration must be given to alternatives that are/may have been possible had an environmental impact assessment been undertaken prior to the commencement of the activity. Please provide a detailed description of the alternatives (whether location, technology or environmental) that were/are possible in terms of this application.

Considering the fact that the proposed activity is a replacement of an existing structure, no environmental or location alternatives were considered since the area has been previously disturbed. However, a steel pipe will be used as opposed to the concrete pipe. Concrete pipe is an outdated technology and Rand Water considers them as no longer feasible. Steel pipe on the other hand, is environmentally friendly and the lifespan is longer.

SECTION F: APPENDICES

The following appendices must be attached where appropriate:

Appendix	Cross out ("X") the box if Appendix is attached
Appendix A: Location map	X
Appendix B: Site plan(s)	
Appendix C: Owner(s) consent(s)	
Appendix D: Photographs	X
Appendix E: Permit(s) / license(s) from any other organ of state including service letters from the municipality	X
Appendix F: Additional Impact Assessment Information	X
Appendix G: Report on alternatives	
Appendix H: Any Other (describe)	

SECTION G: DECLARATIONS

G1: Declarations of the EAP

1. The Independent Environmental Assessment Practitioner

I, Makhosazana Mngomezulu declare under oath that I –

- act as the independent environmental assessment practitioner in this application ;
- do not have and will not have any financial interest in the undertaking of the activity, other than remuneration for work performed in terms of the S24G of the National Environmental Management Act, read together with the relevant Environmental Impact Assessment Regulations;
- do not have and will not have a vested interest in the proposed activity proceeding;
- have no, and will not engage in, conflicting interests in the undertaking of the activity;
- undertake to disclose, to the competent authority, any material information that has or may have the potential to influence the decision of the competent authority or the objectivity of any report, plan or document required in terms

of the S24G of the National Environmental Management Act, read together with the Environmental Impact Assessment Regulations, 2006;

- f. will ensure that all documents will contain all relevant facts in respect of the application & that all documentation is distributed or made available to interested and affected parties. I will ensure that participation by interested and affected parties is facilitated in such a manner that all interested and affected parties will be provided with a reasonable opportunity to participate and to provide comments on documents that are produced for the rectification application.
- g. will ensure that the comments of all interested and affected parties are considered and recorded in reports that are submitted to the competent authority in respect of the application, provided that comments that are made by interested and affected parties in respect of a final report that will be submitted to the competent authority may be attached to the report without further amendment to the report;
- h. will keep a register of all interested and affected parties that participated in a public participation process; and
- i. will provide the competent authority with access to all information at my disposal regarding the application, whether such information is favourable to the applicant or not.

M. Mingo

Signature of the environmental assessment practitioner:

NEMAI CONSULTING

Name of company:

17/07/2013

Date:

B. Terow
2013.07.17

Signature of the Commissioner of Oaths:

2013.07.17

Date:

W/O

Designation:

Official stamp (below)



G2: Declarations of the Applicant

2. The Applicant

I, Leslie Hay, declare under oath that I -

- a. am the applicant in this application;
- b. appointed the environmental assessment practitioner as indicated under G1 above to act as the independent environmental assessment practitioner for this application;
- c. will provide the environmental assessment practitioner and the competent authority with access to all information at my disposal that is relevant to the application;
- d. am responsible for complying with the directive or conditions of any environmental authorisation issued by the competent authority;
- e. understand that I will be required to pay an administration fine in terms of S24G(2) of the Act and that a decision in this regard will only be forthcoming after payment of such a fine; and
- f. hereby indemnify, the government of the Republic, the competent authority and all its officers, agents and employees, from any liability arising out of the content of any report, any procedure or any action for which the applicant or environmental assessment practitioner is responsible in terms of the Act.

Signature of the applicant:

[Signature]
Rand Water.

Name of company:

17/7/2013.

Date:

Masile 70361672
M. M. Cst

Signature of the Commissioner of Oaths:

2013-07-17

Date:

Cst

Designation:

Official stamp (below):



Annexure F
Contact Details (National and Provincial S24G Regulating Directorates)

Department	Telephone	Fax	Postal address & e-mail
National Department Environmental Affairs and Tourism	(012) 310 3230	(012) 320-7539	Private Bag X447 Pretoria South Africa 0001
Free State Department of Economic Development, Tourism and Environmental Affairs	(051) 400 9535 0827894468	(051) 400 9538	Private Bag X20801 BLOEMFONTEIN 9300 boing@dteea.fs.gov.za
Eastern Cape Department of			
Gauteng Department of Agriculture and Rural Development	(011) 355 1885 (011) 355 1644	(011) 355 1850 (011) 355 1000	P.O. Box 8769 JOHANNESBURG 2000 Green.scorpions@gauteng.gov.za
Kwazulu-Natal Department of Agriculture & Environmental Affairs	(033) 3559427	(033) 355 9614	Private Bag X9059 PIETERMARITZBURG 3200 Christian.Tham@kzndae.gov.za
Limpopo Department of Economic Development, Environment and Tourism	(015) 290 7000 (015) 295 4013	(015) 295 5015	P O Box 55464 POLOKWANE 0700
Mpumalanga Department of Economic Development, Environment and Tourism	(013) 766 6059 082 054 349	(013) 766 8243	Private Bag X 11219 NELSPRUIT 1200
Northern Cape Department of Environment & Nature Conservation	(053) 807 7430	053 831 3530	Private Bag X6102 KIMBERLEY 8300
North West Dept. of Agriculture, Conservation, Environment & Rural Development	(018) 389 5995 (082) 901 8362	(018) 389 5006	Private Bag X2039 MMABATHO 2735 mnkosi@nwpg.gov.za
Western Cape Dept of Environmental Affairs & Development Planning	(021) 483 4093 (021) 483 3722 (044) 805 8781	(021) 483 4372 (021) 483 3633 (044) 874 2423	Private Bag X 9086 CAPE TOWN 8000

Annexure G**Contact details (National and Provincial Environmental Management Inspectorate)**

Department	Telephone	Fax	Postal address
National Department Environmental Affairs and Tourism	0800 205 005	(031) 560 7995	Private Bag X447 Pretoria South Africa 0001 pi@toanon.co.za
Eastern Cape Department	082 417 0155		
Free State Department of Tourism, Environmental and Economic Affairs	082 789 4468	(051) 400 4772	Private Bag X20801 BLOEMFONTEIN 9300
Gauteng Department of Agriculture and Rural Development	(011) 355 1440	(011) 355 1850	P.O. Box 8769 JOHANNESBURG 2000 Green.scorpions@gauteng.gov.za
Kwazulu-Natal Department of Agriculture & Environmental Affairs	(033) 355 9427	(033) 355 9614	Private Bag X9059 PIETERMARITZBURG 3200 Christian.Tham@kzndae.gov.za
Limpopo Department of Economic Development, Environment and Tourism	015 295 3980	015 295 4869	P O Box 55464 POLOKWANE 0700
Mpumalanga Department of Economic Development, Environment and Tourism	013 766 6077 084 520 3680	(013) 766 8243	Private Bag X 11219 NELSPRUIT 1200
Northern Cape Department of Environment & Nature Conservation	(053) 807 7430 (053) 807 7300		Private Bag 6102 KIMBERLEY 8300
North West Dept. of Agriculture, Conservation, Environment & Rural Development	(018) 389 5995 (018) 389 5698	018 389 5006	Private Bag X2039 MMABATHO 2735 mnkosi@nwpg.gov.za cwessels@nwpg.gov.za
Western Cape Dept of Environmental Affairs & Development Planning	(021) 483 3197 (021) 483 4363	(021) 483 4440	Private Bag X 9086 CAPE TOWN 8000