

APPENDIX F

PUBLIC PARTICIPATION – REVIEW OF DRAFT BAR

APPENDIX F1: PROOF OF ONSITE NOTICES

APPENDIX F2: PROOF OF WRITTEN NOTIFICATION

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APPENDIX F4: COMMENTS AND REPLY FORMS RECEIVED

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APPENDIX F7: COMMENTS AND RESPONSES REPORT

APPENDIX F8: IAP DATABASE

APPENDIX F1

PROOF OF ONSITE NOTICES



VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME PHASE 2: UPGRADE OF THE EXISTING SCHEME

REVIEW OF DRAFT BASIC ASSESSMENT REPORT: PROOF OF SITE NOTICES

SITE NOTICE	CO-ORDINATES	LOCATION DESCRIPTION	PICTURE REFERENCE
1	28° 24'21.64"S; 24° 15'47.64"E	Delportshoop WTW	Figure 1 & 2
2	28° 24'17.04"S; 24° 15'40.99"E	Gravel Road (opposite Delportshoop WTW) (servitude gate)	Figure 3 & 4
3	28°23'33.98"S; 24° 16'14.14"E	Gravel roads intersection	Figure 5 & 6
4	28° 19'22.17"S; 24° 14'1.24"E	Intersection – R31 & gravel road (servitude gate)	Figure 7 & 8
5	28° 18'23.32"S; 24° 12'10.88"E	Intersection – R31 & gravel road (servitude gate)	Figure 9 & 10
6	28° 18'14.92"S; 24° 8'46.31"E	Kneukel PS	Figure 11 & 12
7	28°17'21.72"S; 24° 6'36.59"E	Intersection – R31 & gravel road at access to farm (servitude gate)	Figure 13 & 14
8	28° 14'44.47"S; 24° 1'45.37"E	Koopmansfontein Store	Figure 15 & 16
9	28° 16'48.81"S; 23° 46'3.69"E	D3393 – gravel road - Store	Figure 17 & 18
10	28° 16'53.86"S; 23° 46'15.35"E	D3393 – gravel road crossing	Figure 19 & 20
11	28° 21'31.46"S; 23° 32'07.70"E	R385 crossing	Figure 21 & 22
12	28° 22'07.80"S; 23° 28'00.87"E	Road crossing (Lime Acres)	Figure 23 & 24
13	28° 19'47.42"S; 23° 23'1.71"E	T-junction of two gravel roads	Figure 25 & 26
14	28° 17'28.79"S; 23° 20'15.55"E	T-junction – R385 and gravel road	Figure 27 & 28
15	28° 17'46.21"S; 23° 18'54.86"E	Access to Metsimatala	Figure 29 & 30
16	28° 20'05.18"S; 23° 11'15.60"E	T-junction – R385 and gravel road	Figure 30 & 31
17	28° 19'49.24"S; 23° 05'21.73"E	T-junction – R385 and gravel road to Jenn-Haven	Figure 33 & 34
18	28° 19'23.00"S; 23° 04'25.45"E	Nicholson St, Postmasburg	Figure 35 & 36
19	28° 19'16.71"S; 23° 04'20.49"E	C/O Brown St, Postmasburg	Figure 37 & 38
20	28° 19'06.54"S; 23° 04'10.69"E	CAM St	Figure 39 & 40
21	28° 19'3.79"S; 23° 04'2.87"E	C/O R385 & R325	Figure 41 & 42



SITE NOTICE	CO-ORDINATES	LOCATION DESCRIPTION	PICTURE REFERENCE
22	28° 18'35.09"S; 23° 04'8.32"E	Intersection of R325 and Plein St	Figure 43 & 44
23	28° 17'1.89"S; 23° 04'25.95"E	Along R325 - access to farm (servitude gate)	Figure 45 & 46
24	28° 14'51.02"S; 23° 04'50.52"E	Along R325 - access to mine	Figure 47 & 48
25	28° 12'42.16"S; 23° 4'52.70"E	Along R325 - access to farm	Figure 49 & 50
26	28° 10'11.14"S; 23° 4'52.68"E	Along R325 - access to farm	Figure 51 & 52
27	28° 8'49.80"S; 23° 4'51.60"E	Along R325 - access to farm	Figure 53 & 54
28	28° 8'19.15"S; 23° 4'45.80"E	Along R325 - access to farm	Figure 55 & 56
29	28° 6'25.53"S; 23° 4'24.07"E	Gloucester Reservoir	Figure 57 & 58
30	28° 5'21.24"S; 23° 4'11.52"E	Along R325 - access to farm	Figure 59 & 60
31	28° 4'9.39"S; 23° 3'57.70"E	Along R325 – T-junction with gravel road	Figure 61 & 62
32	28° 2'53.49"S; 23° 3'43.33"E	Along R325 – T-junction with gravel road	Figure 63 & 64
33	28° 1'46.81"S; 23° 3'14.52"E	Along R325 – T-junction with gravel road (D3409)	Figure 65 & 66
34	28° 0'31.77"S; 23° 2'50.49"E	Along R325 - access to mine	Figure 67 & 68
35	27° 59'46.51"S; 23° 2'36.96"E	Along R325 - access to mine	Figure 69 & 70
36	27° 58'23.44"S; 23° 2'11.52"E	Along R325 - access to mine	Figure 71 & 72
37	27° 57'8.69"S; 23° 1'16.56"E	Along R325 - access to farm	Figure 73 & 74
38	27° 56'32.76"S; 23° 0'24.24"E	Along R325 - access to farm	Figure 75 & 76
39	27° 56'21.83"S; 23° 0'7.36"E	Along R325 - access to farm	Figure 77 & 78
40	27° 56'16.10"S; 22° 59'59.35"E	Along R325 - access to farm	Figure 79 & 80
41	27° 54'32.59"S; 22° 57'39.45"E	Along R325 - access to farm	Figure 81 & 82
42	27° 54'7.19"S; 22° 56'1.29"E	Along N14 – T-junction with gravel road	Figure 83 & 84
43	27° 54'25.52"S; 22° 53'52.55"E	Along N14 – access to farm	Figure 85 & 86
44	27°55'8.97"S; 22° 48'43.27"E	Along N14 – access to Langeberg Stene	Figure 87 & 88
45	27° 55'42.01"S; 22° 45'19.07"E	Along N14 – access	Figure 89 & 90
46	27° 55'58.09"S; 22° 44'15.76"E	Gravel road, Olifantshoek	Figure 91 & 92
47	27° 56'1.73"S; 22° 44'10.84"E	Tarred road, Olifantshoek	Figure 93 & 94



SITE NOTICE	CO-ORDINATES	LOCATION DESCRIPTION	PICTURE REFERENCE
48	27° 56'9.28"S; 22° 44'8.70"E	Tarred road, Olifantshoek	Figure 95 & 96
49	27° 56'23.73"S; 22° 44'4.30"E	Tarred road, Olifantshoek	Figure 97 & 98
50	28° 24'54.25"S; 24° 18'9.68"E	Delportshoop Library	Figure 99 & 100
51	28° 11'01.1"S 23° 32'48.1"E	Kgatelopele Library	Figure 101&102
52	28° 18'0.16"S; 23° 5'23.27"E	Postmasburg Public Library	Figure 103 & 104
53	27° 56'20.46"S; 22°44'17.41"E	Olifantshoek Public Library	Figure 105 & 106
54	28° 11'0.94"S 23° 32'48.07"E	Lime Acres Public Library	Figure 107 & 108

PICTURES



Figure 1



Figure 2



Figure 3



Figure 4



NM Environmental



Figure 5



Figure 6



Figure 7



Figure 8



NM Environmental



Figure 9



Figure 10



Figure 11



Figure 12



NM Environmental



Figure 13



Figure 14



Figure 15



Figure 16



Figure 17



Figure 18



Figure 19



Figure 20



Figure 21



Figure 22



Figure 23



Figure 24



Figure 25



Figure 26



Figure 27



Figure 28



NM Environmental



Figure 29



Figure 30



Figure 31



Figure 32



Figure 33



Figure 34



NM Environmental



Figure 35



Figure 36



Figure 37



Figure 38



Figure 39



Figure 40



NM Environmental



Figure 41



Figure 42

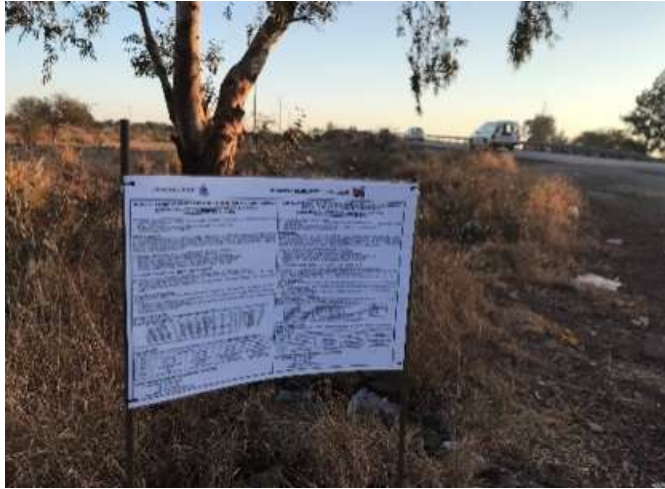


Figure 43



Figure 44



Figure 45



Figure 46



NM Environmental



Figure 47



Figure 48



Figure 49



Figure 50



Figure 51



Figure 52



Figure 53



Figure 54



NM Environmental



Figure 55



Figure 56



NM Environmental



Figure 57



Figure 58



Figure 59



Figure 60



NM Environmental



Figure 61



Figure 62



NM Environmental



Figure 63



Figure 64



NM Environmental



Figure 65



Figure 66



NM Environmental



Figure 67



Figure 68



Figure 69



Figure 70



NM Environmental



Figure 71



Figure 72



NM Environmental



Figure 73



Figure 74



NM Environmental



Figure 75



Figure 76



NM Environmental



Figure 77



Figure 78



NM Environmental



Figure 79



Figure 80



Figure 81



Figure 82



Figure 83



Figure 84



NM Environmental



Figure 85



Figure 86



NM Environmental



Figure 87



Figure 88



NM Environmental



Figure 89



Figure 90



NM Environmental



Figure 91



Figure 92



NM Environmental



Figure 93



Figure 94



NM Environmental



Figure 95



Figure 96



NM Environmental



Figure 97



Figure 98



NM Environmental



Figure 99



Figure 100



NM Environmental



Figure 101



Figure 102



Figure 103



Figure 104



NM Environmental



Figure 105



Figure 106



NM Environmental

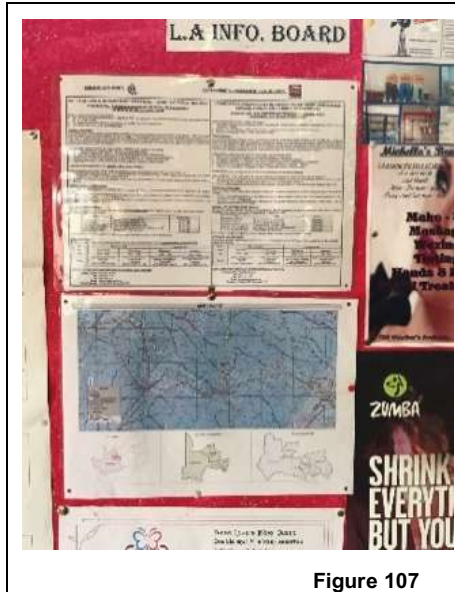


Figure 107

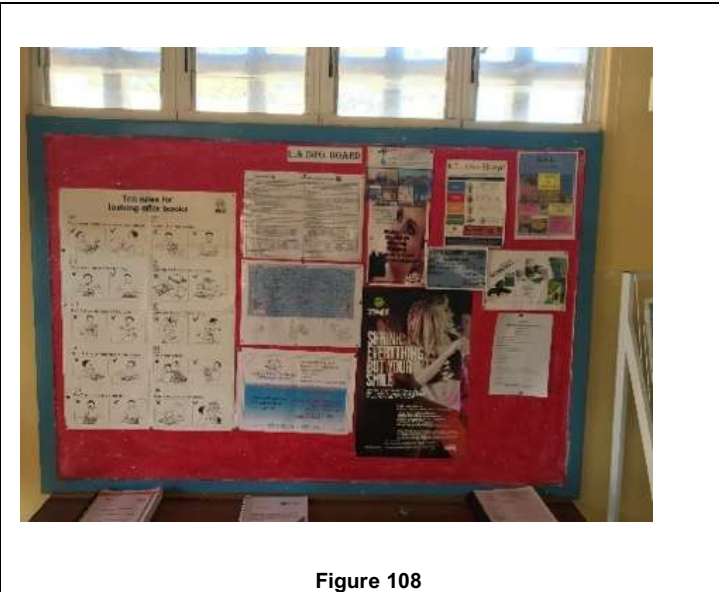


Figure 108

APPENDIX F2

PROOF OF WRITTEN NOTIFICATION

Email Notification to Authorities



Mon 26/08/2019 03:47 PM

Donovan Henning

10689-VGRWSS-II: Upgrading of Existing Scheme - Authorities Notification of Review of Draft Basic Assessment Report, Authority Meeting and Site Visit

To

Bcc 'msolomons@environment.gov.za'; 'sdlomo@environment.gov.za'; 'grimmatt@environment.gov.za'; 'StanleyT@environment.gov.za'; 'slekota@environment.gov.za'; 'MLitsoane@environment.gov.za'; 'Nngcoliso@environment.gov.za'; 'AckermanP@dwa.gov.za'; 'dmoleko@ncpg.gov.za'; 'svandamme@sahra.org.za'; 'mieslie@sahra.org.za'; 'phine@sahra.org.za'; 'nhiggitt@sahra.org.za'; 'AbrahamsN@nra.co.za'; 'Dyerss@nra.co.za'; 'Dekodr@nra.co.za'; 'runkelc@nra.co.za'; 'malcolm.pautz@treasury.gov.za'; 'pkadi@tourism.gov.za'; 'kmmakhubela@tourism.gov.za'; 'caroline.richardson@dpe.gov.za'; 'chambers@sacci.org.za'; 'page.boikanyo@labour.gov.za'; 'gay.khale@labour.gov.za'; 'wisa@wisa.org.za'; 'ERMohoebi@dla.gov.za'; 'elroy@cgta.gov.za'; 'Sogunronbi@ruraldevelopment.gov.za'; 'dini@sanbi.org'; 'U.Bahadur@sanbi.org.za'; 'pauld@sanparks.org'; 'sebotsem@samef.org.za'; 'hlesufi@bullion.org.za'; 'vmoraka@salga.org.za'; 'chauke@salga.org.za'; 'bfisher@ncpg.gov.za'; 'twessels@ncpg.gov.za'; 'dmoleko@ncpg.gov.za'; 'kgosimoleko@gmail.com'; 'Dkgosi@ncpg.gov.za'; 'dineokkgosi@gmail.com'; 'Tmthombeni@ncpg.gov.za'; 'ORiba@ncpg.gov.za'; 'oriba.denc@gmail.com'; 'gwija@ncpg.gov.za'; 'mr.gwija@gmail.com'; 'nmokonopi@ncpg.gov.za'; 'mokonopin@gmail.com'

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PROPOSED VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME PHASE 2: UPGRADE OF THE EXISTING SCHEME

Notice of Review of Draft Basic Assessment Report, Authorities Meeting and Site Visit

Notice is hereby given in terms of the following:

- The Environmental Impact Assessment (EIA) Regulations of 2014 (as amended), in terms of the National Environmental Management Act (Act No. 107 of 1998) (NEMA);
- The Mineral and Petroleum Resources Development Act (Act No. 28 of 2002) (MPRDA); and
- The National Water Act (Act No. 36 of 1998) (NWA).

PROJECT OVERVIEW:

The Vaal Gamagara Regional Water Supply Scheme (VGRWSS) is located in the Northern Cape Province and was completed in 1968. The existing scheme transfers water from Delportshoop on the Vaal River (60km to the north west of Kimberley) via Postmasburg to the iron ore mines at Kathu. From Kathu, a pipeline continues to the manganese mines at Hotazel and finally terminates at Black Rock. The current scheme is operating at capacity and is not able to supply the increasing future water demands, and deal with the increasing water supply interruptions. In addition, the infrastructure is nearing the end of its useful life.

Sedibeng Water has thus proposed the upgrading of the VGRWSS, which consists of the following:

1. Mechanical and electrical upgrading of the abstraction works at Delportshoop;
2. Refurbishment on pipework and repairs to buildings at the Delportshoop water treatment works;
3. Replacing / refurbishing approximately 210km of the existing pipeline from Delportshoop to Olifantshoek;
4. Mechanical and electrical upgrading of the pump stations at Delportshoop, Kneukel and Trewill; and
5. Upgrading of the Clifton and Gloucester Reservoirs, as well as the Trewill and Kneukel Sumps.

This notification only pertains to the upgrading of the existing VGRWSS.

Other components of the project, which will be dealt with in separate assessments in the future, include the following:

- It is proposed to abstract groundwater at the following well sites to augment the existing VGRWSS: Source Development Area (SD) 1 in the Danielskuil area, and SD2 in the Postmasburg area; and
- In addition, construction material will also need to be sourced from approximately 20 borrow pits that will be located at 10km intervals along the pipeline.

ENVIRONMENTAL ASSESSMENTS - UPGRADING OF THE EXISTING VGRWSS:

Nemai Consulting was appointed by Sedibeng Water to undertake the following environmental assessments for the upgrading of the existing VGRWSS:

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REVIEW OF DRAFT REPORT:



Mon 26/08/2019 03:50 PM

Donavan Henning

10689-VGRWSS-II: Upgrading of Existing Scheme - Authorities Notification of Review of Draft Basic Assessment Report, Authority Meeting and Site Visit

To

Bcc 'mm@kgatelopele.gov.za'; 'techmanager@kgatelopele.gov.za'; 'mayorsec@kgatelopele.gov.za'; 'snr.cdc@kgatelopele.gov.za'; 'ngesigeorge7@gmail.com'; 'Kimward2dlr@kgatelopele.gov.za'; 'ladyloper@kgatelopele.gov.za'; 'IW2939029@gmail.com'; 'townplanner@kgatelopele.gov.za'; 'mm@tsantsabane.gov.za'; 'mmsec@tsantsabane.gov.za'; 'bothabik@gmail.com'; 'rodneykasper7@gmail.com'; 'tintshalo.mabobo@gmail.com'; 'Majedtp@gmail.com'; 'estellepoto@gmail.com'; 'lebopra734@gmail.com'; 'mphomashila80@gmail.com'; 'lebogosaulus3@gmail.com'; 'dmolaole@gmail.com'; 'mmsec@taologatsewe.gov.za'; 'mmolusi@taologatsewe.gov.za'; 'kiseise@taologatsewe.gov.za'; 'protea@gamagara.co.za'; 'ostitang@gamagara.co.za'; 'hendryh@gamagara.co.za'; 'feliag@gamagara.co.za'; 'olifantg@gamagara.co.za'; 'Yannemeyer@gamagara.co.za'; 'modise@gamagara.co.za'; 'orpernm@gamagara.co.za'; 'orpernmmonica@gmail.com'; 'lekgadib@gamagara.co.za'; 'magaganen@gamagara.co.za'; 'kenneth.lucas@fbdm.co.za'

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REVIEW OF DRAFT REPORT:

The Draft Basic Assessment Report (BAR) for the upgrading of the existing VGRWSS is available for review from **27 August until 30 September 2019**. The BAR can be downloaded from the following website: <http://www.nemai.co.za/environmental.html>.

Comments can be provided in writing and forwarded to Nemai Consulting via email, fax or post. Comments Sheets can also be used for this purpose (see attached). Please forward all comments by **30 September 2019**.



Mon 26/08/2019 03:49 PM

Donovan Henning

10689-VGRWSS-II: Upgrading of Existing Scheme - Authorities Notification of Review of Draft Basic Assessment Report, Authority Meeting and Site Visit

To

Bcc 'AbrahamsA@dws.gov.za'; 'VanDykG@dws.gov.za'; 'MsimangoP@dws.gov.za'; 'BaloyiI2@dws.gov.za'; 'KgaraneK@dws.gov.za'; 'pieter.swart@dmr.gov.za'; 'Johannes.Nematatani@dmr.gov.za'; 'Ntsundeni.Ravhugoni@dmr.gov.za'; 'Johannes.Nematatani@dmr.gov.za'; 'Takalani.Khorombi@dmr.gov.za'; 'Patricia.Makhuvele@dmr.gov.za'; 'Vincent.mula@dmr.gov.za'; 'cfortune@agri.ncape.gov.za'; 'jacolinema@daff.gov.za'; 'mashuduma@daff.gov.za'; 'jabu.smit@gmail.com'; 'Kgotso.Moeketsi@drdlr.gov.za'; 'pkegaklwe@ncpg.gov.za'; 'ntoerien1@gmail.com'; 'ngoltz@ncpg.gov.za'; 'timothy@nbkb.org.za'; 'cfortune@museumsc.co.za'; 'dmorris@museumsc.co.za'; 'katie@museumsc.co.za'; 'tshilale@ncpg.gov.za'; 'mbooyesen@ncpg.gov.za'; 'msithole@ncpg.gov.za'; 'YVogwill@ncpg.gov.za'; 'jeanne@joatilities.co.za'; 'gkeyser@vodamail.co.za'; 'dstander@ncpg.gov.za'; 'ZLangeveldt@ncpg.gov.za'; 'cynthia.Joseph@ncpg.gov.za'; 'Mbulelo.duba@fbdm.co.za'; 'masego.mosaia@fbdm.co.za'; 'fatima.ruiters@fbdm.co.za'; 'lesego.ngwira@fbdm.co.za'; 'karin.rheeder@fbdm.co.za'; 'thapelo.plaatjie@fbdm.co.za'; 'bulelwa.skwet@fbdm.co.za'; 'freddy.netshivhodza@fbdm.co.za'; 'odirleaugust@gmail.com'; 'registry@dikgatong.co.za'; 'mayor.secretary@dikgatong.co.za'; 'ctswarts71@gmail.com'; 'jsroos05@gmail.com'; 'psdmphocombrink@gmail.com'; 'gil@zfm-dm.gov.za'; 'gil@vodamail.co.za'; 'admin@zfm-dm.gov.za'; 'anp@zfm-dm.gov.za'

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PROPOSED VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME PHASE 2: UPGRADE OF THE EXISTING SCHEME

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Mon 26/08/2019 04:51 PM

Donovan Henning

10689-VGRWSS-II: Upgrading of Existing Scheme - DEFF Notification of Review of Draft Basic Assessment Report, Authority Meeting and Site Visit

To: 'Mlisoane@environment.gov.za'

Cc: 'Bngcoliso@environment.gov.za'; 'EIAAdmin@environment.gov.za'; Christian Van Der Hoven

Dear Masina

This serves as notification of the review of the Draft Basic Assessment Report (BAR) for the **Vaal Gamagara Regional Water Supply Scheme Phase 2 (VGRWSS-II): Upgrade of the Existing Scheme.**

As the competent authority for the VGRWSS-II: Upgrade of the Existing Scheme, copies of the Draft BAR (one hardcopy and one USB) were delivered to the Department of Environment, Forestry and Fisheries (DEFF), for your attention, today. Note that the review period is from **27 August until 30 September 2019.**

You are also invited to attend an **Authorities Meeting**, during which an overview will be provided of the BAR. The details of the Authorities Meeting are provided in the table below:

Date	5 September 2019
Time	10h00 – 12h30
Venue	Kgatelopele Municipal Town Hall, 222 Barker Street, Danielskuil (28°10'57.8"S 23°32'48.1"E)

A site visit will also be conducted after the Authorities Meeting (if time allows), at prominent points along the proposed development.

Please note that copies of the Draft BAR were also provided to the following authorities for review:

No	Department / Organisation	Contact Person	Contact Number	Email Address
1.	DEFF: Biodiversity	Stanley Tshitwamulomoni	012 399 9587	StanleyT@environment.gov.za
2.	Northern Cape Department of Environment and Nature Conservation (DENC)	Dineo Moleko	053 831 3530	dmoleko@ncpg.gov.za
3.	DWS: NC Regional Office	Philani Msimango / Gawie van Dyk	053 830 8802 / 053 836 7649	VanDykG@dws.gov.za MsimangoP@dws.gov.za
4.	DAFF	Jacoline Mans	054 338 5909	jacolinema@daff.gov.za
5.	Northern Cape Provincial Heritage Resources Authority	R Timothy	053 831 2537 / 079 036 9695	rtimothy@nbkb.org.za
6.	Northern Cape Department of Roads & Public Works	Garnett Keyser	054 332 4473	gkeyser@vodamail.co.za
7.	Department of Mineral Resources (DMR): Northern Cape	Ntsundeni Ravhugoni	082 828 3904 / 071 135 3914	Ntsundeni.Ravhugoni@dmr.gov.za
8.	Frances Baard District Municipality	Kenneth Lucas	(053) 838 0998	kenneth.lucas@fbdm.co.za
9.	ZF Mgcawu District Municipality	G Lategaan	054 337 2800 / 2820	gij@zfm-dm.gov.za
10.	John Taoio Gaetsewe District Municipality	D. Molaoale	053 712 8700	dmolaoale@gmail.com
11.	Kgatelopele Local Municipality	Thulagnyo Bannette	053 384 8662	techmanager@kgatelopele.gov.za
12.	Tsantsabane Local Municipality	H. Mathobela	053 313 7300	mrmsec@tsantabane.gov.za
13.	Dikgatlong Local Municipality	Odirile August	053 531 6505	odirileaugust@gmail.com
14.	Gamagara Local Municipality	Mr. Modise	053 723 6000	modise@gamagara.co.za

You are welcome to contact us if you require more information.

Regards

Email Notification to Landowners



Mon 26/08/2019 04:07 PM

Donovan Henning

10689-VGRWSS-II: Upgrading of Existing Scheme - Landowner Notification of Review of Draft Basic Assessment Report and Public Meetings

To

Bcc 'gweir@mweb.co.za'; 'francoisde@outlook.com'; 'Omasiya@sedibengwater.co.za'; 'Riaan.karriem@transnet.net'; 'hencoebordery@gmail.com'

You forwarded this message on 26/08/2019 04:07 PM.

Message 10689-20190826-Kommentaarblad.pdf

10689-20190826-Comment Sheet.pdf

VGRWSS-II Upgrade of Existing Scheme - Cadastral Map Section 2.pdf

NOTICE OF REVIEW OF DRAFT BASIC ASSESSMENT REPORT AND PUBLIC MEETINGS

PROPOSED VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME PHASE 2: UPGRADING OF THE EXISTING SCHEME

Notice is hereby given in terms of the following:

- The Environmental Impact Assessment (EIA) Regulations of 2014 (as amended), in terms of the National Environmental Management Act (Act No. 107 of 1998) (NEMA);
- The Mineral and Petroleum Resources Development Act (Act No. 28 of 2002) (MPRDA); and
- The National Water Act (Act No. 36 of 1998) (NWA).

PROJECT OVERVIEW:

The Vaal Gamagara Regional Water Supply Scheme (VGRWSS) is located in the Northern Cape Province and was completed in 1968. The existing scheme transfers water from Delportshoop on the Vaal River (60km to the north west of Kimberley) via Postmasburg to the iron ore mines at Kathu. From Kathu, a pipeline continues to the manganese mines at Hotazel and finally terminates at Black Rock. The current scheme is operating at capacity and is not able to supply the increasing future water demands, and deal with the increasing water supply interruptions. In addition, the infrastructure is nearing the end of its useful life.

Sedibeng Water has thus proposed the upgrading of the VGRWSS, which consists of the following:

- Mechanical and electrical upgrading of the abstraction works at Delportshoop;
- Refurbishment on pipework and repairs to buildings at the Delportshoop water treatment works;
- Replacing / refurbishing approximately 210km of the existing pipeline from Delportshoop to Olifantshoek;
- Mechanical and electrical upgrading of the pump stations at Delportshoop, Kneukel and Trewill; and
- Upgrading of the Clifton and Gloucester Reservoirs, as well as the Trewill and Kneukel Sumps.

This notification only pertains to the upgrading of the existing VGRWSS. A map which shows the location of the proposed development in relation to your property is also attached hereto.

Other components of the project, which will be dealt with in separate assessments in the future, include the following:

- It is proposed to abstract groundwater at the following well sites to augment the existing VGRWSS: Source Development Area (SD) 1 in the Danielskuil area, and SD2 in the Postmasburg area; and
- In addition, construction material will also need to be sourced from approximately 20 borrow pits that will be located at 10km intervals along the pipeline.

ENVIRONMENTAL ASSESSMENTS - UPGRADING OF THE EXISTING VGRWSS:

Nemal Consulting was appointed by Sedibeng Water to undertake the following environmental assessments for the upgrading of the existing VGRWSS:

- Application for a Basic Assessment Process to the Department of Environment, Forestry and Fisheries (DEFF), in terms of Government Notice No. R. 982 of 4 December 2014 (as amended); and
- Application for a water use entitlement to the Department of Human Settlements, Water and Sanitation (DHSWS), in terms of Section 21 of the National Water Act (Act No. 36 of 1998).

REVIEW OF DRAFT REPORT:

The Draft Basic Assessment Report for the upgrading of the existing VGRWSS will be lodged for public review at the following venues from **27 August until 30 September 2019:**

Venue	Address	Tel. No.
-------	---------	----------

KENNISGEWING AANGAANDE DIE HERSIENING VAN DIE VOORLOPIGE BASIESE BEPALING VERSLAG EN OPENBARE VERGADERINGS

VOORGESTELDE VAAL GAMAGARA WATERVOORSIENING SKEMA FASE 2: OPGRADERING VAN DIE BESTAANDE SKEMA

Hierdie kennisgewing word gegee kragtens die volgende:

- Die Omgewingsimpakbepalingsregulasies van 2014 (soos gewysig), kragtens die Wet op Nasionale Omgewingsbestuur (Wet Nr. 107 van 1998) (hierna NEMA);
- Die Wet op die Ontwikkeling van Minerale en Petroleum Hulpbronne (Wet Nr. 28 van 2002) (hierna MPRDA); en
- Die Nasionale Waterwet (Wet Nr. 36 van 1998) (hierna NWA).

PROJEKTOORSIG:

Die Vaal Gamagara Streek Watervoorsiening Skema (hierna VGRWSS) in die Noord-Kaapse Provinsie is in 1968 voltooi. Water word vanaf Delportshoop by die Vaalrivier (60km noord-wes van Kimberley) via Postmasburg na die ystererts myne in Kathu oorgedra deur die bestaande skema. Van daaraf lewer h pyplyn verder water aan die mangaan myne by Hotazel en uiteindelik tot by Black Rock. Die bestaande skema word teen volle kapasiteit bedryf en is nie in staat om aan die toenemende toekomstige waterbehoefes te voorsien nie, en om die toenemende onderbrekings in watervoorsiening te hanteer nie. Die infrastruktuur bereik ook die einde van sy bruikbare lewensduur.

Sedibeng Water beplan dus om die VGRWSS op te gradeer, wat die volgende behels:

- Meganiese en elektriese opgradering van die onttrekkingswerke by Delportshoop;
- Opknapping van pypwerk en herstel van geboue by die Delportshoop watersuiweringswerke;
- Vervanging / opknapping van ongeveer 210km van die bestaande pyplyn vanaf Delportshoop tot Olifantshoek;
- Meganiese en elektriese opgradering van die pompstasies by Delportshoop, Kneukel en Trewill; en
- Opgradering van die Clifton en Gloucester Reservoirs, sowel as die Trewill en Kneukel Sinkputte.

Hierdie kennisgewing het slegs betrekking op die opgradering van die bestaande VGRWSS. h Kaart wat die ligging van die voorgestelde ontwikkeling met betrekking tot u eiendom toon, is ook hierby aangeheg.

Ander komponente van die projek, wat in die toekoms in afsonderlike assesserings behandel sal word, sluit die volgende in:

- Dit word beplan om grondwater by die volgende produksieveld gebiede te onttrek om die bestaande VGRWSS aan te vul: Bron-ontwikkelings- (BO) gebied 1 in die Danielskuil gebied; en BO2 in die Postmasburg gebied; en
- Verder word Konstruksiemateriaal ook benodig vanaf ongeveer 20 leengroeie wat in 10km intervalle langs die pyplyn beplan word.

OMGEWINGSBEPALINGS - OPGRADERING VAN DIE BESTAANDE VGRWSS:

Nemal Consulting is deur Sedibeng Water aangestel om die volgende omgewingsbepalings uit te voer vir die opgradering van die bestaande VGRWSS:

- Aansoek vir Basiese Bepaling Proses by die Departement van Omgewing, Bosbou en Visserye, ingevolge Staatskennisgewing Nr. R. 982 van 4 Desember 2014 (soos gewysig);
- Aansoek vir waterverbruik magtigingsproses by die Departement van Menslike Nedersettings, Water en Sanitasie, ingevolge Artikel 21 van die Nasionale Waterwet (Wet Nr. 36 van 1998).

HERSIEN VAN DIE VOORLOPIGE VERSLAG:

Die voorlopige Basiese Bepaling Verslag vir die opgradering van die bestaande VGRWSS sal beskikbaar gestel word vir openbare besigtiging by die volgende plekke vanaf **27 Augustus tot 30 September 2019:**

Plek	Adres	Tel. Nr.
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Mon 26/08/2019 04:05 PM

Donovan Henning

10689-VGRWSS-II: Upgrading of Existing Scheme - Landowner Notification of Review of Draft Basic Assessment Report and Public Meetings

To

Bcc 'gert@glenross.co.za'; 'Omasiya@sedibengwater.co.za'

You forwarded this message on 26/08/2019 04:06 PM.

Message 10689-20190826-Kommentaarblad.pdf

10689-20190826-Comment Sheet.pdf

VGRWSS-II Upgrade of Existing Scheme - Cadastral Map Section 1.pdf

NOTICE OF REVIEW OF DRAFT BASIC ASSESSMENT REPORT AND PUBLIC MEETINGS

PROPOSED VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME PHASE 2: UPGRADING OF THE EXISTING SCHEME

Notice is hereby given in terms of the following:

- The Environmental Impact Assessment (EIA) Regulations of 2014 (as amended), in terms of the National Environmental Management Act (Act No. 107 of 1998) (NEMA);
- The Mineral and Petroleum Resources Development Act (Act No. 28 of 2002) (MPRDA); and
- The National Water Act (Act No. 36 of 1998) (NWA).

PROJECT OVERVIEW:

The Vaal Gamagara Regional Water Supply Scheme (VGRWSS) is located in the Northern Cape Province and was completed in 1968. The existing scheme transfers water from Delporthoop on the Vaal River (60km to the north west of Kimberley) via Postmasburg to the iron ore mines at Kathu. From Kathu, a pipeline continues to the manganese mines at Hotazel and finally terminates at Black Rock. The current scheme is operating at capacity and is not able to supply the increasing future water demands, and deal with the increasing water supply interruptions. In addition, the infrastructure is nearing the end of its useful life.

Sedibeng Water has thus proposed the upgrading of the VGRWSS, which consists of the following:

- Mechanical and electrical upgrading of the abstraction works at Delporthoop;
- Refurbishment on pipework and repairs to buildings at the Delporthoop water treatment works;
- Replacing / refurbishing approximately 210km of the existing pipeline from Delporthoop to Olifantshoek;
- Mechanical and electrical upgrading of the pump stations at Delporthoop, Kneukel and Trewill; and
- Upgrading of the Clifton and Gloucester Reservoirs, as well as the Trewill and Kneukel Sumps.

This notification only pertains to the upgrading of the existing VGRWSS. A map which shows the location of the proposed development in relation to your property is also attached hereto.

Other components of the project, **which will be dealt with in separate assessments in the future**, include the following:

- It is proposed to abstract groundwater at the following well sites to augment the existing VGRWSS: Source Development Area (SD) 1 in the Danielskuil area, and SD2 in the Postmasburg area; and
- In addition, construction material will also need to be sourced from approximately 20 borrow pits that will be located at 10km intervals along the pipeline.

ENVIRONMENTAL ASSESSMENTS - UPGRADING OF THE EXISTING VGRWSS:

Nemai Consulting was appointed by Sedibeng Water to undertake the following environmental assessments for the upgrading of the existing VGRWSS:

- Application for a Basic Assessment Process to the Department of Environment, Forestry and Fisheries (DEFF), in terms of Government Notice No. R. 982 of 4 December 2014 (as amended); and
- Application for a water use entitlement to the Department of Human Settlements, Water and Sanitation (DHSWS), in terms of Section 21 of the National Water Act (Act No. 36 of 1998).

REVIEW OF DRAFT REPORT:

The Draft Basic Assessment Report for the upgrading of the existing VGRWSS will be lodged for public review at the following venues from **27 August until 30 September 2019**:

KENNISGEWING AANGAANDE DIE HERSIENING VAN DIE VOORLOPIGE BASIESE BEPALING VERSLAG EN OPENBARE VERGADERINGS

VOORGESTELDE VAAL GAMAGARA WATERVOORSIENING SKEMA FASE 2: OPGRADERING VAN DIE BESTAANDE SKEMA

Hierdie kennisgewing word gegee kragtens die volgende:

- Die Omgewingsimpakbepalingsregulasies van 2014 (soos gewysig), kragtens die Wet op Nasionale Omgewingsbestuur (Wet Nr. 107 van 1998) (hierna *NEMA*);
- Die Wet op die Ontwikkeling van Minerale en Petroleum Hulpbronne (Wet Nr. 28 van 2002) (hierna *MPRDA*); en
- Die Nasionale Waterwet (Wet Nr. 36 van 1998) (hierna *NWA*).

PROJEKOORSIG:

Die Vaal Gamagara Streek Watervoorsiening Skema (hierna *VGRWSS*) in die Noord-Kaapse Provinsie is in 1968 voltooi. Water word vanaf Delporthoop by die Vaalrivier (60km noord-wes van Kimberley) via Postmasburg na die ystererts myne in Kathu oorgedra deur die bestaande skema. Van daar af lever h pyplyn verder water aan die manganese myne by Hotazel en uiteindelik tot by Black Rock. Die bestaande skema word teen volle kapasiteit bedryf en is nie in staat om aan die toenemende toekomstige waterbehoefes te voorsien nie, en om die toenemende onderbrekings in watervoorsiening te hanteer nie. Die infrastruktuur bereik ook die einde van sy bruikbare lewensduur.

Sedibeng Water beplan dus om die VGRWSS op te gradeer, wat die volgende behels:

- Meganiese en elektriese opgradering van die onttrekkingswerke by Delporthoop;
- Opknapping van pypwerk en herstel van geboue by die Delporthoop watersuiweringswerke;
- Vervanging / opknapping van ongeveer 210km van die bestaande pyplyn vanaf Delporthoop tot Olifantshoek;
- Meganiese en elektriese opgradering van die pompstasies by Delporthoop, Kneukel en Trewill; en
- Opgradering van die Clifton en Gloucester Reservoirs, sowel as die Trewill en Kneukel Sinkputte.

Hierdie kennisgewing het slegs betrekking op die opgradering van die bestaande VGRWSS. h Kaart wat die ligging van die voorgestelde ontwikkeling met betrekking tot u eiendom toon, is ook hierby aangeheg.

Ander komponente van die projek, **wat in die toekoms in afsonderlike assesserings behandel sal word**, sluit die volgende in:

- Dit word beplan om grondwater by die volgende produksieveld gebiede te onttrek om die bestaande VGRWSS aan te vul: Bron-ontwikkelings- (BO) gebied 1 in die Danielskuil gebied; en BO2 in die Postmasburg gebied; en
- Verder word Konstruksiemateriaal ook benodig vanaf ongeveer 20 leengroewe wat in 10km intervalle langs die pyplyn beplan word.

OMGEWINGSBEPALINGS - OPGRADERING VAN DIE BESTAANDE VGRWSS:

Nemai Consulting is deur Sedibeng Water aangestel om die volgende omgewingsbepalings uit te voer vir die opgradering van die bestaande VGRWSS:

- Aansoek vir Basiese Bepaling Proses by die Departement van Omgewing, Bosbou en Visserye, ingevolge Staatskennisgewing Nr. R. 982 van 4 Desember 2014 (soos gewysig);
- Aansoek vir waterverbruik magtigingsproses by die Departement van Menslike Nedersettings, Water en Sanitasie, ingevolge Artikel 21 van die Nasionale Waterwet (Wet Nr. 36 van 1998).

HERSIEN VAN DIE VOORLOPIGE VERSLAG:

Die voorlopige Basiese Bepaling Verslag vir die opgradering van die bestaande VGRWSS sal beskikbaar gestel word vir openbare besigtiging by die volgende plekke vanaf **27 Augustus tot 30 September 2019**:



Mon 26/08/2019 04:08 PM

Donovan Henning

10689-VGRWSS-II: Upgrading of Existing Scheme - Landowner Notification of Review of Draft Basic Assessment Report and Public Meetings

To

Bcc: 'swartpit@telkomsa.net'; 'bertievh@gmail.com'; 'middeposguestfarm@gmail.com'

You forwarded this message on 26/08/2019 04:08 PM.

Message 10689-20190826-Kommentaarblad.pdf

10689-20190826-Comment Sheet.pdf

VGRWSS-II Upgrade of Existing Scheme - Cadastral Map Section 3.pdf

NOTICE OF REVIEW OF DRAFT BASIC ASSESSMENT REPORT AND PUBLIC MEETINGS

PROPOSED VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME PHASE 2: UPGRADING OF THE EXISTING SCHEME

Notice is hereby given in terms of the following:

- The Environmental Impact Assessment (EIA) Regulations of 2014 (as amended), in terms of the National Environmental Management Act (Act No. 107 of 1998) (NEMA);
- The Mineral and Petroleum Resources Development Act (Act No. 28 of 2002) (MPRDA); and
- The National Water Act (Act No. 36 of 1998) (NWA).

PROJECT OVERVIEW:

The Vaal Gamagara Regional Water Supply Scheme (VGRWSS) is located in the Northern Cape Province and was completed in 1968. The existing scheme transfers water from Delpoortshoop on the Vaal River (60km to the north west of Kimberley) via Postmasburg to the iron ore mines at Kathu. From Kathu, a pipeline continues to the manganese mines at Hotazel and finally terminates at Black Rock. The current scheme is operating at capacity and is not able to supply the increasing future water demands, and deal with the increasing water supply interruptions. In addition, the infrastructure is nearing the end of its useful life.

Sedibeng Water has thus proposed the upgrading of the VGRWSS, which consists of the following:

- Mechanical and electrical upgrading of the abstraction works at Delpoortshoop;
- Refurbishment on pipework and repairs to buildings at the Delpoortshoop water treatment works;
- Replacing / refurbishing approximately 210km of the existing pipeline from Delpoortshoop to Olifantshoek;
- Mechanical and electrical upgrading of the pump stations at Delpoortshoop, Kneukel and Trewill; and
- Upgrading of the Clifton and Gloucester Reservoirs, as well as the Trewill and Kneukel Sumps.

This notification only pertains to the upgrading of the existing VGRWSS. A map which shows the location of the proposed development in relation to your property is also attached hereto.

Other components of the project, which will be dealt with in separate assessments in the future, include the following:

- It is proposed to abstract groundwater at the following well sites to augment the existing VGRWSS: Source Development Area (SD) 1 in the Danielskuil area, and SD2 in the Postmasburg area; and
- In addition, construction material will also need to be sourced from approximately 20 borrow pits that will be located at 10km intervals along the pipeline.

ENVIRONMENTAL ASSESSMENTS - UPGRADING OF THE EXISTING VGRWSS:

Nemai Consulting was appointed by Sedibeng Water to undertake the following environmental assessments for the upgrading of the existing VGRWSS:

- Application for a Basic Assessment Process to the Department of Environment, Forestry and Fisheries (DEFF), in terms of Government Notice No. R. 982 of 4 December 2014 (as amended); and
- Application for a water use entitlement to the Department of Human Settlements, Water and Sanitation (DHSWS), in terms of Section 21 of the National Water Act (Act No. 36 of 1998).

REVIEW OF DRAFT REPORT:

The Draft Basic Assessment Report for the upgrading of the existing VGRWSS will be lodged for public review at the following venues from **27 August until 30 September 2019**:

KENNISGEWING AANGAANDE DIE HERSIENING VAN DIE VOORLOPIGE BASIESE BEPALING VERSLAG EN OPENBARE VERGADERINGS

VOORGESTELDE VAAL GAMAGARA WATERVOORSIENING SKEMA FASE 2: OPGRADERING VAN DIE BESTAANDE SKEMA

Hierdie kennisgewing word gegee kragtens die volgende:

- Die Omgewingsimpakbepalingsregulasies van 2014 (soos gewysig), kragtens die Wet op Nasionale Omgewingsbestuur (Wet Nr. 107 van 1998) (hierna *NEMA*);
- Die Wet op die Ontwikkeling van Minerale en Petroleum Hulpbronne (Wet Nr. 28 van 2002) (hierna *MPRDA*); en
- Die Nasionale Waterwet (Wet Nr. 36 van 1998) (hierna *NWA*).

PROJEKTOORSIG:

Die Vaal Gamagara Streek Watervoorsiening Skema (hierna *VGRWSS*) in die Noord-Kaapse Provinsie is in 1968 voltooi. Water word vanaf Delpoortshoop by die Vaalrivier (60km noord-wes van Kimberley) via Postmasburg na die ystererts myne in Kathu oorgedra deur die bestaande skema. Van daar af lewer h pyllyn verder water aan die mangaan myne by Hotazel en uiteindelik tot by Black Rock. Die bestaande skema word teen volle kapasiteit bedryf en is nie in staat om aan die toenemende toekomstige waterbehoefes te voorsien nie, en om die toenemende onderbrekings in watervoorsiening te hanteer nie. Die infrastruktuur bereik ook die einde van sy bruikbare lewensduur.

Sedibeng Water beplan dus om die VGRWSS op te gradeer, wat die volgende behels:

- Meganiese en elektriese opgradering van die onttrekkingswerke by Delpoortshoop;
- Opknapping van pypwerk en herstel van geboue by die Delpoortshoop watersuiweringswerke;
- Vervanging / opknapping van ongeveer 210km van die bestaande pyllyn vanaf Delpoortshoop tot Olifantshoek;
- Meganiese en elektriese opgradering van die pompstasies by Delpoortshoop, Kneukel en Trewill; en
- Opgradering van die Clifton en Gloucester Reservoirs, sowel as die Trewill en Kneukel Sinkputte.

Hierdie kennisgewing het slegs betrekking op die opgradering van die bestaande VGRWSS. n Kaart wat die ligging van die voorgestelde ontwikkeling met betrekking tot u eiendom ton, is ook hierby aangeheg.

Ander komponente van die projek, wat in die toekoms in afsonderlike assesserings behandel sal word, sluit die volgende in:

- Dit word beplan om grondwater by die volgende produksieveld gebiede te onttrek om die bestaande VGRWSS aan te vul: Bron-ontwikkelings- (BO) gebied 1 in die Danielskuil gebied; en BO2 in die Postmasburg gebied; en
- Verder word Konstruksiemateriaal ook benodig vanaf ongeveer 20 leengroewe wat in 10km intervalle langs die pyllyn beplan word.

OMGEWINGSBEPALINGS - OPGRADERING VAN DIE BESTAANDE VGRWSS:

Nemai Consulting is deur Sedibeng Water aangestel om die volgende omgewingsbepalings uit te voer vir die opgradering van die bestaande VGRWSS:

- Aansoek vir Basiese Bepaling Proses by die Departement van Omgewing, Bosbou en Visserye, ingevolge Staatskennisgewing Nr. R. 982 van 4 Desember 2014 (soos gewysig);
- Aansoek vir waterverbruik magtigingsproses by die Departement van Menslike Nedersettings, Water en Sanitasie, ingevolge Artikel 21 van die Nasionale Waterwet (Wet Nr. 36 van 1998).

HERSIEN VAN DIE VOORLOPIGE VERSLAG:

Die voorlopige Basiese Bepaling Verslag vir die opgradering van die bestaande VGRWSS sal beskikbaar gestel word vir openbare besigtiging by die volgende plekke vanaf **27 Augustus tot 30 September 2019**:



Mon 26/08/2019 04:09 PM

Donovan Henning

10689-VGRWSS-II: Upgrading of Existing Scheme - Landowner Notification of Review of Draft Basic Assessment Report and Public Meetings

To
Bcc 'Riaan.karriem@transnet.net'; 'electrocool@telkomsa.net'; 'fourie.mg@gmail.com'; 'Omasiya@sedibengwater.co.za'; 'johannaduplessis@yahoo.com'; 'tcbvermeulen@yahoo.com'; 'vgenseal@eskom.co.za'; 'geneklian@gmail.com'
You forwarded this message on 26/08/2019 04:10 PM.

Message 10689-20190826-Kommentaarblad.pdf 10689-20190826-Comment Sheet.pdf VGRWSS-II Upgrade of Existing Scheme - Cadastral Map Section 4.pdf

NOTICE OF REVIEW OF DRAFT BASIC ASSESSMENT REPORT AND PUBLIC MEETINGS

PROPOSED VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME PHASE 2: UPGRADING OF THE EXISTING SCHEME

Notice is hereby given in terms of the following:

- The Environmental Impact Assessment (EIA) Regulations of 2014 (as amended), in terms of the National Environmental Management Act (Act No. 107 of 1998) (NEMA);
- The Mineral and Petroleum Resources Development Act (Act No. 28 of 2002) (MPRDA); and
- The National Water Act (Act No. 36 of 1998) (NWA).

PROJECT OVERVIEW:

The Vaal Gamagara Regional Water Supply Scheme (VGRWSS) is located in the Northern Cape Province and was completed in 1968. The existing scheme transfers water from Delpoortshoop on the Vaal River (80km to the north west of Kimberley) via Postmasburg to the iron ore mines at Kathu. From Kathu, a pipeline continues to the manganese mines at Hotazel and finally terminates at Black Rock. The current scheme is operating at capacity and is not able to supply the increasing future water demands, and deal with the increasing water supply interruptions. In addition, the infrastructure is nearing the end of its useful life.

Sedibeng Water has thus proposed the upgrading of the VGRWSS, which consists of the following:

- Mechanical and electrical upgrading of the abstraction works at Delpoortshoop;
- Refurbishment on pipework and repairs to buildings at the Delpoortshoop water treatment works;
- Replacing / refurbishing approximately 210km of the existing pipeline from Delpoortshoop to Olifantshoek;
- Mechanical and electrical upgrading of the pump stations at Delpoortshoop, Kneukel and Trewill; and
- Upgrading of the Clifton and Gloucester Reservoirs, as well as the Trewill and Kneukel Sumps.

This notification only pertains to the upgrading of the existing VGRWSS. A map which shows the location of the proposed development in relation to your property is also attached hereto.

Other components of the project, which will be dealt with in separate assessments in the future, include the following:

- It is proposed to abstract groundwater at the following well sites to augment the existing VGRWSS: Source Development Area (SD) 1 in the Danielskuil area, and SD2 in the Postmasburg area; and
- In addition, construction material will also need to be sourced from approximately 20 borrow pits that will be located at 10km intervals along the pipeline.

ENVIRONMENTAL ASSESSMENTS - UPGRADING OF THE EXISTING VGRWSS:

Nemai Consulting was appointed by Sedibeng Water to undertake the following environmental assessments for the upgrading of the existing VGRWSS:

- Application for a Basic Assessment Process to the Department of Environment, Forestry and Fisheries (DEFF), in terms of Government Notice No. R. 982 of 4 December 2014 (as amended); and
- Application for a water use entitlement to the Department of Human Settlements, Water and Sanitation (DHSWS), in terms of Section 21 of the National Water Act (Act No. 36 of 1998).

REVIEW OF DRAFT REPORT:

The Draft Basic Assessment Report for the upgrading of the existing VGRWSS will be lodged for public review at the following venues from **27 August until 30 September 2019**

KENNISGEWING AANGAANDE DIE HERSIENING VAN DIE VOORLOPIGE BASIESE BEPALING VERSLAG EN OPENBARE VERGADERINGS

VOORGESTELDE VAAL GAMAGARA WATERVOORSIENING SKEMA FASE 2: OPGRADERING VAN DIE BESTAANDE SKEMA

Hierdie kennisgewing word gegee kragtens die volgende:

- Die Omgewingsimpakbepalingsregulasies van 2014 (soos gewysig), kragtens die Wet op Nasionale Omgewingsbestuur (Wet Nr. 107 van 1998) (hierna *NEMA*);
- Die Wet op die Ontwikkeling van Minerale en Petroleum Hulpbronne (Wet Nr. 28 van 2002) (hierna *MPRDA*); en
- Die Nasionale Waterwet (Wet Nr. 36 van 1998) (hierna *NWA*).

PROJEKTOORSIG:

Die Vaal Gamagara Streek Watervoorsiening Skema (hierna *VGRWSS*) in die Noord-Kaapse Provinsie is in 1968 voltooi. Water word vanaf Delpoortshoop by die Vaalrivier (80km noord-wes van Kimberley) via Postmasburg na die ystererts myne in Kathu oorgedra deur die bestaande skema. Van daar af lewer h pyplyn verder water aan die mangaan myne by Hotazel en uiteindelik tot by Black Rock. Die bestaande skema word teen volle kapasiteit bedryf en is nie in staat om aan die toenemende toekomstige waterbehoefes te voorsien nie, en om die toenemende onderbrekings in watervoorsiening te hanteer nie. Die infrastruktuur bereik ook die einde van sy bruikbare lewensduur.

Sedibeng Water beplan dus om die VGRWSS op te gradeer, wat die volgende behels:

- Meganiese en elektriese opgradering van die onttrekkingswerke by Delpoortshoop;
- Opknapping van pypwerk en herstel van geboue by die Delpoortshoop watersuiweringswerke;
- Vervanging / opknapping van ongeveer 210km van die bestaande pyplyn vanaf Delpoortshoop tot Olifantshoek;
- Meganiese en elektriese opgradering van die pompstasies by Delpoortshoop, Kneukel en Trewill; en
- Opgradering van die Clifton en Gloucester Reservoirs, sowel as die Trewill en Kneukel Sinkputte.

Hierdie kennisgewing het slegs betrekking op die opgradering van die bestaande VGRWSS. n Kaart wat die ligging van die voorgestelde ontwikkeling met betrekking tot u eiendom toon, is ook hierby aangeheg.

Ander komponente van die projek, wat in die toekoms in afsonderlike assesserings behandel sal word, sluit die volgende in:

- Dit word beplan om grondwater by die volgende produksieveld gebiede te onttrek om die bestaande VGRWSS aan te vul: Bron-ontwikkelings- (BO) gebied 1 in die Danielskuil gebied; en BO2 in die Postmasburg gebied; en
- Verder word Konstruksiemateriaal ook benodig vanaf ongeveer 20 leengroewe wat in 10km intervalle langs die pyplyn beplan word.

OMGEWINGSBEPALINGS - OPGRADERING VAN DIE BESTAANDE VGRWSS:

Nemai Consulting is deur Sedibeng Water aangestel om die volgende omgewingsbepalings uit te voer vir die opgradering van die bestaande VGRWSS:

- Ansoek vir Basiese Bepaling Proses by die Departement van Omgewing, Bousbou en Visserye, ingevolge Staatskennisgewing Nr. R. 982 van 4 Desember 2014 (soos gewysig);
- Ansoek vir waterverbruik magtigingsproses by die Departement van Menslike Nedersettings, Water en Sanitasie, ingevolge Artikel 21 van die Nasionale Waterwet (Wet Nr. 36 van 1998).

HERSIEN VAN DIE VOORLOPIGE VERSLAG:

Die voorlopige Basiese Bepaling Verslag vir die opgradering van die bestaande VGRWSS sal beskikbaar gestel word vir openbare besigtiging by die volgende plekke vanaf **27 Augustus tot 30 September 2019**



Mon 26/08/2019 04:10 PM

Donovan Henning

10689-VGRWSS-II: Upgrading of Existing Scheme - Landowner Notification of Review of Draft Basic Assessment Report and Public Meetings

To

Bcc 'geneklian@gmail.com'; 'Riaan.karriem@transnet.net'; 'fahst@gmail.com'; 'laan.karriem@transnet.net'; 'con.schoombie@ppc.co.za'; 'mashudu.dzivhani@ppc.co.za'; 'oscar.bowers@ppc.co.za'; 'bdooling@debeers.co.za'; 'maxwell.morapel@debeersgroup.com'; 'Omasiya@sedibengwater.co.za'

You forwarded this message on 26/08/2019 04:11 PM.

Message 10689-20190826-Kommentaarblad.pdf

10689-20190826-Comment Sheet.pdf

VGRWSS-II Upgrade of Existing Scheme - Cadastral Map Section 5.pdf

NOTICE OF REVIEW OF DRAFT BASIC ASSESSMENT REPORT AND PUBLIC MEETINGS

**PROPOSED VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME PHASE 2:
UPGRADING OF THE EXISTING SCHEME**

Notice is hereby given in terms of the following:

- The Environmental Impact Assessment (EIA) Regulations of 2014 (as amended), in terms of the National Environmental Management Act (Act No. 107 of 1998) (NEMA);
- The Mineral and Petroleum Resources Development Act (Act No. 28 of 2002) (MPRDA); and
- The National Water Act (Act No. 36 of 1998) (NWA).

PROJECT OVERVIEW:

The Vaal Gamagara Regional Water Supply Scheme (VGRWSS) is located in the Northern Cape Province and was completed in 1968. The existing scheme transfers water from Delpoortshoop on the Vaal River (60km to the north west of Kimberley) via Postmasburg to the iron ore mines at Kathu. From Kathu, a pipeline continues to the manganese mines at Hotazel and finally terminates at Black Rock. The current scheme is operating at capacity and is not able to supply the increasing future water demands, and deal with the increasing water supply interruptions. In addition, the infrastructure is nearing the end of its useful life.

Sedibeng Water has thus proposed the upgrading of the VGRWSS, which consists of the following:

- Mechanical and electrical upgrading of the abstraction works at Delpoortshoop;
- Refurbishment on pipework and repairs to buildings at the Delpoortshoop water treatment works;
- Replacing / refurbishing approximately 210km of the existing pipeline from Delpoortshoop to Olifantshoek;
- Mechanical and electrical upgrading of the pump stations at Delpoortshoop, Kneukel and Trewill; and
- Upgrading of the Clifton and Gloucester Reservoirs, as well as the Trewill and Kneukel Sumps.

This notification only pertains to the upgrading of the existing VGRWSS. A map which shows the location of the proposed development in relation to your property is also attached hereto.

Other components of the project, which will be dealt with in separate assessments in the future, include the following:

- It is proposed to abstract groundwater at the following well sites to augment the existing VGRWSS: Source Development Area (SD) 1 in the Danielskuil area, and SD2 in the Postmasburg area; and
- In addition, construction material will also need to be sourced from approximately 20 borrow pits that will be located at 10km intervals along the pipeline.

ENVIRONMENTAL ASSESSMENTS - UPGRADING OF THE EXISTING VGRWSS:

Nemai Consulting was appointed by Sedibeng Water to undertake the following environmental assessments for the upgrading of the existing VGRWSS:

- Application for a Basic Assessment Process to the Department of Environment, Forestry and Fisheries (DEFF), in terms of Government Notice No. R. 982 of 4 December 2014 (as amended); and
- Application for a water use entitlement to the Department of Human Settlements, Water and Sanitation (DHSWS), in terms of Section 21 of the National Water Act (Act No. 36 of 1998).

REVIEW OF DRAFT REPORT:

The Draft Basic Assessment Report for the upgrading of the existing VGRWSS will be lodged for public review at the following venues from **27 August until 30 September 2019:**

Venue	Address	Tel. No.

**KENNISGEWING AANGAANDE DIE HERSIENING VAN DIE VOORLOPIGE BASIESE
BEPALING VERSLAG EN OPENBARE VERGADERINGS**

**VOORGESTELDE VAAL GAMAGARA WATERVOORSIENING SKEMA FASE 2:
OPGRADERING VAN DIE BESTAANDE SKEMA**

Hierdie kennisgewing word gegee kragtens die volgende:

- Die Omgewingsimpakbepalingsregulasies van 2014 (soos gewysig), kragtens die Wet op Nasionale Omgewingsbestuur (Wet Nr. 107 van 1998) (hierna *NEMA*);
- Die Wet op die Ontwikkeling van Minerale en Petroleum Hulpbronne (Wet Nr. 28 van 2002) (hierna *MPRDA*); en
- Die Nasionale Waterwet (Wet Nr. 36 van 1998) (hierna *NWA*).

PROJEKOORSIG:

Die Vaal Gamagara Streek Watervoorsiening Skema (hierna *VGRWSS*) in die Noord-Kaapse Provinsie is in 1968 voltooi. Water word vanaf Delpoortshoop by die Vaalrivier (60km noord-wes van Kimberley) via Postmasburg na die ystererts myne in Kathu oorgedra deur die bestaande skema. Van daar af lewer h pyplyn verder water aan die mangaan myne by Hotazel en uiteindelik tot by Black Rock. Die bestaande skema word teen volle kapasiteit bedryf en is nie in staat om aan die toenemende toekomstige waterbehoefes te voorsien nie, en om die toenemende onderbrekings in watervoorsiening te hanteer nie. Die infrastruktuur bereik ook die einde van sy bruikbare lewensduur.

Sedibeng Water beplan dus om die VGRWSS op te gradeer, wat die volgende behels:

- Meganiese en elektriese opgradering van die onttrekkingswerke by Delpoortshoop;
- Opknapping van pypwerk en herstel van geboue by die Delpoortshoop watersuiweringswerke;
- Vervanging / opknapping van ongeveer 210km van die bestaande pyplyn vanaf Delpoortshoop tot Olifantshoek;
- Meganiese en elektriese opgradering van die pompstasies by Delpoortshoop, Kneukel en Trewill; en
- Opgradering van die Clifton en Gloucester Reservoirs, sowel as die Trewill en Kneukel Sinkputte.

Hierdie kennisgewing het slegs betrekking op die opgradering van die bestaande VGRWSS. h Kaart wat die ligging van die voorgestelde ontwikkeling met betrekking tot u eiendom toon, is ook hierby aangeheg.

Ander komponente van die projek, wat in die toekoms in afsonderlike assesserings behandel sal word, sluit die volgende in:

- Dit word beplan om grondwater by die volgende produksieveld gebiede te onttrek om die bestaande VGRWSS aan te vul: Bron-ontwikkelings- (BO) gebied 1 in die Danielskuil gebied, en BO2 in die Postmasburg gebied; en
- Verder word Konstruksiemateriaal ook benodig vanaf ongeveer 20 leengroewe wat in 10km interalle langs die pyplyn beplan word.

OMGEWINGSBEPALINGS - OPGRADERING VAN DIE BESTAANDE VGRWSS:

Nemai Consulting is deur Sedibeng Water aangestel om die volgende omgewingsbepalings uit te voer vir die opgradering van die bestaande VGRWSS:

- Aansoek vir Basiese Bepaling Proses by die Departement van Omgewing, Bosbou en Visserye, ingevolge Staatskennisgewing Nr. R. 982 van 4 Desember 2014 (soos gewysig);
- Aansoek vir waterverbruik magtigingsproses by die Departement van Menslike Nedersettings, Water en Sanitasie, ingevolge Artikel 21 van die Nasionale Waterwet (Wet Nr. 36 van 1998).

HERSIEN VAN DIE VOORLOPIGE VERSLAG:

Die voorlopige Basiese Bepaling Verslag vir die opgradering van die bestaande VGRWSS sal beskikbaar gestel word vir openbare besigtiging by die volgende plekke vanaf **27 Augustus tot 30 September 2019:**

Plek	Adres	Tel. Nr.



Mon 26/08/2019 04:11 PM

Donovan Henning

10689-VGRWSS-II: Upgrading of Existing Scheme - Landowner Notification of Review of Draft Basic Assessment Report and Public Meetings

To: 'tsebusi@kelesedi.co.za'; 'Riaan.karriem@transnet.net'; 'allanscholtz@gmail.com'; 'kgoronyane@gmail.com'; 'jhgous2@gmail.com'; 'lorry@rufco.co.za'; 'osvaldo@rufco.co.za'; 'orfeo@rufco.co.za'; 'admin@rufco.co.za'

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Message 10689-20190826-Kommentaarblad.pdf 10689-20190826-Comment Sheet.pdf VGRWSS-II Upgrade of Existing Scheme - Cadastral Map Section 6.pdf

NOTICE OF REVIEW OF DRAFT BASIC ASSESSMENT REPORT AND PUBLIC MEETINGS

PROPOSED VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME PHASE 2: UPGRADING OF THE EXISTING SCHEME

Notice is hereby given in terms of the following:

- The Environmental Impact Assessment (EIA) Regulations of 2014 (as amended), in terms of the National Environmental Management Act (Act No. 107 of 1998) (NEMA);
The Mineral and Petroleum Resources Development Act (Act No. 28 of 2002) (MPRDA); and
The National Water Act (Act No. 36 of 1998) (NWA).

PROJECT OVERVIEW:

The Vaal Gamagara Regional Water Supply Scheme (VGRWSS) is located in the Northern Cape Province and was completed in 1968. The existing scheme transfers water from Delpoortshoop on the Vaal River (60km to the north west of Kimberley) via Postmasburg to the iron ore mines at Kathu. From Kathu, a pipeline continues to the manganese mines at Hotazel and finally terminates at Black Rock.

Sedibeng Water has thus proposed the upgrading of the VGRWSS, which consists of the following:

- Mechanical and electrical upgrading of the abstraction works at Delpoortshoop;
Refurbishment on pipework and repairs to buildings at the Delpoortshoop water treatment works;
Replacing / refurbishing approximately 210km of the existing pipeline from Delpoortshoop to Olifantshoek;
Mechanical and electrical upgrading of the pump stations at Delpoortshoop, Kneukel and Trewill; and
Upgrading of the Clifton and Gloucester Reservoirs, as well as the Trewill and Kneukel Sumps.

This notification only pertains to the upgrading of the existing VGRWSS. A map which shows the location of the proposed development in relation to your property is also attached hereto.

Other components of the project, which will be dealt with in separate assessments in the future, include the following:

- It is proposed to abstract groundwater at the following well sites to augment the existing VGRWSS: Source Development Area (SD) 1 in the Danielskuil area, and SD2 in the Postmasburg area, and
In addition, construction material will also need to be sourced from approximately 20 borrow pits that will be located at 10km intervals along the pipeline.

ENVIRONMENTAL ASSESSMENTS - UPGRADING OF THE EXISTING VGRWSS:

Nemai Consulting was appointed by Sedibeng Water to undertake the following environmental assessments for the upgrading of the existing VGRWSS:

- Application for a Basic Assessment Process to the Department of Environment, Forestry and Fisheries (DEFF), in terms of Government Notice No. R. 992 of 4 December 2014 (as amended); and
Application for a water use entitlement to the Department of Human Settlements, Water and Sanitation (DHSWS), in terms of Section 21 of the National Water Act (Act No. 36 of 1998).

REVIEW OF DRAFT REPORT:

The Draft Basic Assessment Report for the upgrading of the existing VGRWSS will be lodged for public review at the following venues from 27 August until 30 September 2019:

Table with 3 columns: Venue, Address, Tel. No.

KENNISGEWING AANGAANDE DIE HERSIENING VAN DIE VOORLOPIGE BASIESE BEPALING VERSLAG EN OPENBARE VERGADERINGS

VOORGESTELDE VAAL GAMAGARA WATERVOORSIENING SKEMA FASE 2: OPGRADERING VAN DIE BESTAANDE SKEMA

Hierdie kennisgewing word gegee kragtens die volgende:

- Die Omgewingsimpakbepalingsregulasies van 2014 (soos gewysig), kragtens die Wet op Nasionale Omgewingsbestuur (Wet Nr. 107 van 1998) (hierna NEMA);
Die Wet op die Ontwikkeling van Minerale en Petroleum Hulpbronne (Wet Nr. 28 van 2002) (hierna MPRDA); en
Die Nasionale Waterwet (Wet Nr. 36 van 1998) (hierna NWA).

PROJEKTOORSIG:

Die Vaal Gamagara Streek Watervoorsiening Skema (hierna VGRWSS) in die Noord-Kaapse Provinsie is in 1968 voltooi. Water word vanaf Delpoortshoop by die Vaalrivier (60km noord-wes van Kimberley) via Postmasburg na die ystererts myne in Kathu oorgedra deur die bestaande skema. Van daar af lewer h pyllyn verder water aan die mangaan myne by Hotazel en uiteindelik tot by Black Rock.

Sedibeng Water beplan dus om die VGRWSS op te gradeer, wat die volgende behels:

- Meganiese en elektriese opgradering van die onttrekkingswerke by Delpoortshoop;
Opknapping van pypwerk en herstel van geboue by die Delpoortshoop watersuiweringswerke;
Vervanging / opknapping van ongeveer 210km van die bestaande pyllyn vanaf Delpoortshoop tot Olifantshoek;
Meganiese en elektriese opgradering van die pompstasies by Delpoortshoop, Kneukel en Trewill; en
Opgradering van die Clifton en Gloucester Reservoirs, sowel as die Trewill en Kneukel Sinkputte.

Hierdie kennisgewing het slegs betrekking op die opgradering van die bestaande VGRWSS. h Kaart wat die ligging van die voorgestelde ontwikkeling met betrekking tot u eiendom toon, is ook hierby aangeheg.

Ander komponente van die projek, wat in die toekoms in afsonderlike assesserings behandel sal word, sluit die volgende in:

- Dit word beplan om grondwater by die volgende produksieveld gebiede te onttrek om die bestaande VGRWSS aan te vul: Bron-ontwikkelings- (BO) gebied 1 in die Danielskuil gebied; en BO2 in die Postmasburg gebied; en
Verder word Konstruksiemateriaal ook benodig vanaf ongeveer 20 leengroewe wat in 10km intervalle langs die pyllyn beplan word.

OMGEWINGSBEPALINGS - OPGRADERING VAN DIE BESTAANDE VGRWSS:

Nemai Consulting is deur Sedibeng Water aangestel om die volgende omgewingsbepalings uit te voer vir die opgradering van die bestaande VGRWSS:

- Aansoek vir Basiese Bepaling Proses by die Departement van Omgewing, Bosbou en Visserye, ingevolge Staatskennisgewing Nr. R. 992 van 4 Desember 2014 (soos gewysig);
Aansoek vir waterverbruik magtigingsproses by die Departement van Menslike Nedersettings, Water en Sanitasie, ingevolge Artikel 21 van die Nasionale Waterwet (Wet Nr. 36 van 1998).

HERSIEN VAN DIE VOORLOPIGE VERSLAG:

Die voorlopige Basiese Bepaling Verslag vir die opgradering van die bestaande VGRWSS sal beskikbaar gestel word vir openbare besigtiging by die volgende plekke vanaf 27 Augustus tot 30 September 2019:

Table with 3 columns: Plek, Adres, Tel. Nr.



Mon 26/08/2019 04:12 PM

Donovan Henning

10689-VGRWSS-II: Upgrading of Existing Scheme - Landowner Notification of Review of Draft Basic Assessment Report and Public Meetings

To

Bcc 'labuschw@hotmail.com'; 'cmcmathe@gmail.com'; 'pneysjulius@gmail.com'; 'cmcmathe@gmail.com'; 'Riaan.karriem@transnet.net'

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Message 10689-20190826-Kommentaarblad.pdf

10689-20190826-Comment Sheet.pdf

VGRWSS-II Upgrade of Existing Scheme - Cadastral Map Section 7.pdf

NOTICE OF REVIEW OF DRAFT BASIC ASSESSMENT REPORT AND PUBLIC MEETINGS

PROPOSED VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME PHASE 2: UPGRADING OF THE EXISTING SCHEME

Notice is hereby given in terms of the following:

- The Environmental Impact Assessment (EIA) Regulations of 2014 (as amended), in terms of the National Environmental Management Act (Act No. 107 of 1998) (NEMA);
- The Mineral and Petroleum Resources Development Act (Act No. 28 of 2002) (MPRDA); and
- The National Water Act (Act No. 36 of 1998) (NWA).

PROJECT OVERVIEW:

The Vaal Gamagara Regional Water Supply Scheme (VGRWSS) is located in the Northern Cape Province and was completed in 1968. The existing scheme transfers water from Delporthshoop on the Vaal River (60km to the north west of Kimberley) via Postmasburg to the iron ore mines at Kathu. From Kathu, a pipeline continues to the manganese mines at Hotazel and finally terminates at Black Rock. The current scheme is operating at capacity and is not able to supply the increasing future water demands, and deal with the increasing water supply interruptions. In addition, the infrastructure is nearing the end of its useful life.

Sedibeng Water has thus proposed the upgrading of the VGRWSS, which consists of the following:

- Mechanical and electrical upgrading of the abstraction works at Delporthshoop;
- Refurbishment on pipework and repairs to buildings at the Delporthshoop water treatment works;
- Replacing / refurbishing approximately 210km of the existing pipeline from Delporthshoop to Olifantshoek;
- Mechanical and electrical upgrading of the pump stations at Delporthshoop, Kneukel and Trewill; and
- Upgrading of the Clifton and Gloucester Reservoirs, as well as the Trewill and Kneukel Sumps.

This notification only pertains to the upgrading of the existing VGRWSS. A map which shows the location of the proposed development in relation to your property is also attached hereto.

Other components of the project, which will be dealt with in separate assessments in the future, include the following:

- It is proposed to abstract groundwater at the following well sites to augment the existing VGRWSS: Source Development Area (SD) 1 in the Danielskuil area, and SD2 in the Postmasburg area; and
- In addition, construction material will also need to be sourced from approximately 20 borrow pits that will be located at 10km intervals along the pipeline.

ENVIRONMENTAL ASSESSMENTS - UPGRADING OF THE EXISTING VGRWSS:

Nemal Consulting was appointed by Sedibeng Water to undertake the following environmental assessments for the upgrading of the existing VGRWSS:

- Application for a Basic Assessment Process to the Department of Environment, Forestry and Fisheries (DEFF), in terms of Government Notice No. R. 982 of 4 December 2014 (as amended); and
- Application for a water use entitlement to the Department of Human Settlements, Water and Sanitation (DHSWS), in terms of Section 21 of the National Water Act (Act No. 36 of 1998).

REVIEW OF DRAFT REPORT:

The Draft Basic Assessment Report for the upgrading of the existing VGRWSS will be lodged for public review at the following venues from **27 August until 30 September 2019**:

Venue	Address	Tel. No.

KENNISGEWING AANGAANDE DIE HERSIENING VAN DIE VOORLOPIGE BASIESE BEPALING VERSLAG EN OPENBARE VERGADERINGS

VOORGESTELDE VAAL GAMAGARA WATERVOORSIENING SKEMA FASE 2: OPGRADERING VAN DIE BESTAANDE SKEMA

Hierdie kennisgewing word gegee kragtens die volgende:

- Die Omgewingsimpakbepalingsregulasies van 2014 (soos gewysig), kragtens die Wet op Nasionale Omgewingsbestuur (Wet Nr. 107 van 1998) (hierna *NEMA*);
- Die Wet op die Ontwikkeling van Minerale en Petroleum Hulpbronne (Wet Nr. 28 van 2002) (hierna *MPRDA*); en
- Die Nasionale Waterwet (Wet Nr. 36 van 1998) (hierna *NWA*).

PROJEKOORSIG:

Die Vaal Gamagara Streek Watervoorsiening Skema (hierna *VGRWSS*) in die Noord-Kaapse Provinsie is in 1968 voltooi. Water word vanaf Delporthshoop by die Vaalrivier (60km noord-wes van Kimberley) via Postmasburg na die ystererts myne in Kathu oorgedra deur die bestaande skema. Van daar af lewer h pyllyn verder water aan die mangaan myne by Hotazel en uiteindelik tot by Black Rock. Die bestaande skema word teen volle kapasiteit bedryf en is nie in staat om aan die toenemende toekomstige waterbehoefes te voorsien nie, en om die toenemende onderbrekings in watervoorsiening te hanteer nie. Die infrastruktuur bereik ook die einde van sy bruikbare lewensduur.

Sedibeng Water beplan dus om die VGRWSS op te gradeer, wat die volgende behels:

- Meganiese en elektriese opgradering van die onttrekkingswerke by Delporthshoop;
- Opknapping van pypwerk en herstel van geboue by die Delporthshoop watersuiweringswerke;
- Vervanging / opknapping van ongeveer 210km van die bestaande pyllyn vanaf Delporthshoop tot Olifantshoek;
- Meganiese en elektriese opgradering van die pompstasies by Delporthshoop, Kneukel en Trewill; en
- Opgradering van die Clifton en Gloucester Reservoirs, sowel as die Trewill en Kneukel Sinkputte.

Hierdie kennisgewing het slegs betrekking op die opgradering van die bestaande VGRWSS. h Kaart wat die ligging van die voorgestelde ontwikkeling met betrekking tot u eiendom toon, is ook hierby aangeheg.

Ander komponente van die projek, **wat in die toekoms in afsonderlike assesserings behandel sal word**, sluit die volgende in:

- Dit word beplan om grondwater by die volgende produksieveld gebiede te onttrek om die bestaande VGRWSS aan te vul: Bron-ontwikkelings- (BO) gebied 1 in die Danielskuil gebied; en BO2 in die Postmasburg gebied; en
- Verder word Konstruksiemateriaal ook benodig vanaf ongeveer 20 leengroewe wat in 10km intervalle langs die pyllyn beplan word.

OMGEWINGSBEPALINGS - OPGRADERING VAN DIE BESTAANDE VGRWSS:

Nemal Consulting is deur Sedibeng Water aangestel om die volgende omgewingsbepalings uit te voer vir die opgradering van die bestaande VGRWSS:

- Aansoek vir Basiese Bepaling Proses by die Departement van Omgewing, Bosbou en Visserye, ingevolge Staatskennisgewing Nr. R. 982 van 4 Desember 2014 (soos gewysig);
- Aansoek vir waterverbruik magtigingsproses by die Departement van Menslike Nedersettings, Water en Sanitasie, ingevolge Artikel 21 van die Nasionale Waterwet (Wet Nr. 36 van 1998).

HERSIEN VAN DIE VOORLOPIGE VERSLAG:

Die voorlopige Basiese Bepaling Verslag vir die opgradering van die bestaande VGRWSS sal beskikbaar gestel word vir openbare besigtiging by die volgende plekke vanaf **27 Augustus tot 30 September 2019**:

Plek	Adres	Tel. Nr.



Mon 26/08/2019 04:13 PM

Donovan Henning

10689-VGRWSS-II: Upgrading of Existing Scheme - Landowner Notification of Review of Draft Basic Assessment Report and Public Meetings

To

Bcc 'Riaan.karriem@transnet.net'; 'willem@amgroup.co.za'; 'Omasiya@sedibengwater.co.za'

You forwarded this message on 26/08/2019 04:13 PM.

Message 10689-20190826-Kommentaarblad.pdf

10689-20190826-Comment Sheet.pdf

VGRWSS-II Upgrade of Existing Scheme - Cadastral Map Section 8.pdf

NOTICE OF REVIEW OF DRAFT BASIC ASSESSMENT REPORT AND PUBLIC MEETINGS

PROPOSED VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME PHASE 2: UPGRADING OF THE EXISTING SCHEME

Notice is hereby given in terms of the following:

- The Environmental Impact Assessment (EIA) Regulations of 2014 (as amended), in terms of the National Environmental Management Act (Act No. 107 of 1998) (NEMA);
- The Mineral and Petroleum Resources Development Act (Act No. 28 of 2002) (MPRDA); and
- The National Water Act (Act No. 36 of 1998) (NWA).

PROJECT OVERVIEW:

The Vaal Gamagara Regional Water Supply Scheme (VGRWSS) is located in the Northern Cape Province and was completed in 1968. The existing scheme transfers water from Delpoortshoop on the Vaal River (60km to the north west of Kimberley) via Postmasburg to the iron ore mines at Kathu. From Kathu, a pipeline continues to the manganese mines at Hotazel and finally terminates at Black Rock. The current scheme is operating at capacity and is not able to supply the increasing future water demands, and deal with the increasing water supply interruptions. In addition, the infrastructure is nearing the end of its useful life.

Sedibeng Water has thus proposed the upgrading of the VGRWSS, which consists of the following:

1. Mechanical and electrical upgrading of the abstraction works at Delpoortshoop;
2. Refurbishment on pipework and repairs to buildings at the Delpoortshoop water treatment works;
3. Replacing / refurbishing approximately 210km of the existing pipeline from Delpoortshoop to Olifantshoek;
4. Mechanical and electrical upgrading of the pump stations at Delpoortshoop, Kneukel and Trewill; and
5. Upgrading of the Clifton and Gloucester Reservoirs, as well as the Trewill and Kneukel Sumps.

This notification only pertains to the upgrading of the existing VGRWSS. A map which shows the location of the proposed development in relation to your property is also attached hereto.

Other components of the project, which will be dealt with in separate assessments in the future, include the following:

- It is proposed to abstract groundwater at the following well sites to augment the existing VGRWSS: Source Development Area (SD) 1 in the Danielskuil area, and SD2 in the Postmasburg area; and
- In addition, construction material will also need to be sourced from approximately 20 borrow pits that will be located at 10km intervals along the pipeline.

ENVIRONMENTAL ASSESSMENTS - UPGRADING OF THE EXISTING VGRWSS:

Nemai Consulting was appointed by Sedibeng Water to undertake the following environmental assessments for the upgrading of the existing VGRWSS:

1. Application for a Basic Assessment Process to the Department of Environment, Forestry and Fisheries (DEFF), in terms of Government Notice No. R. 982 of 4 December 2014 (as amended); and
2. Application for a water use entitlement to the Department of Human Settlements, Water and Sanitation (DHSWS), in terms of Section 21 of the National Water Act (Act No. 36 of 1998).

REVIEW OF DRAFT REPORT:

The Draft Basic Assessment Report for the upgrading of the existing VGRWSS will be lodged for public review at the following venues from **27 August until 30 September 2019:**

KENNISGEWING AANGAANDE DIE HERSIENING VAN DIE VOORLOPIGE BASIESE BEPALING VERSLAG EN OPENBARE VERGADERINGS

VOORGESTELDE VAAL GAMAGARA WATERVOORSIENING SKEMA FASE 2: OPGRADERING VAN DIE BESTAANDE SKEMA

Hierdie kennisgewing word gegee kragtens die volgende:

- Die Omgewingsimpakbepalingsregulasies van 2014 (soos gewysig), kragtens die Wet op Nasionale Omgewingsbestuur (Wet Nr. 107 van 1998) (hierna *NEMA*);
- Die Wet op die Ontwikkeling van Minerale en Petroleum Hulpbronne (Wet Nr. 28 van 2002) (hierna *MPRDA*); en
- Die Nasionale Waterwet (Wet Nr. 36 van 1998) (hierna *NWA*).

PROJEKTOORSIG:

Die Vaal Gamagara Streek Watervoorsiening Skema (hierna *VGRWSS*) in die Noord-Kaapse Provinsie is in 1968 voltooi. Water word vanaf Delpoortshoop by die Vaalrivier (60km noord-wes van Kimberley) via Postmasburg na die ystererts myne in Kathu oorgedra deur die bestaande skema. Van daar af lewer 'n pyplyn verder water aan die mangaan myne by Hotazel en uiteindelik tot by Black Rock. Die bestaande skema word teen volle kapasiteit bedryf en is nie in staat om aan die toenemende toekomstige waterbehoefes te voorsien nie, en om die toenemende onderbrekings in watervoorsiening te hanteer nie. Die infrastruktuur bereik ook die einde van sy bruikbare lewensduur.

Sedibeng Water beplan dus om die VGRWSS op te gradeer, wat die volgende behels:

1. Meganiese en elektriese opgradering van die onttrekkingswerke by Delpoortshoop;
2. Opknapping van pypwerk en herstel van geboue by die Delpoortshoop watersuiweringswerke;
3. Vervanging / opknapping van ongeveer 210km van die bestaande pyplyn vanaf Delpoortshoop tot Olifantshoek;
4. Meganiese en elektriese opgradering van die pompstasies by Delpoortshoop, Kneukel en Trewill; en
5. Opgradering van die Clifton en Gloucester Reservoirs, sowel as die Trewill en Kneukel Sinkputte.

Hierdie kennisgewing het slegs betrekking op die opgradering van die bestaande VGRWSS. 'n Kaart wat die ligging van die voorgestelde ontwikkeling met betrekking tot u eiendom toon, is ook hierby aangeheg.

Ander komponente van die projek, wat in die toekoms in afsonderlike assesserings behandel sal word, sluit die volgende in:

- Dit word beplan om grondwater by die volgende produksieveld gebiede te onttrek om die bestaande VGRWSS aan te vul: Bron-ontwikkelings- (BO) gebied 1 in die Danielskuil gebied; en BO2 in die Postmasburg gebied; en
- Verder word Konstruksiemateriaal ook benodig vanaf ongeveer 20 leengroeue wat in 10km intervale langs die pyplyn beplan word.

OMGEWINGSBEPALINGS - OPGRADERING VAN DIE BESTAANDE VGRWSS:

Nemai Consulting is deur Sedibeng Water aangestel om die volgende omgewingsbepalings uit te voer vir die opgradering van die bestaande VGRWSS:

1. Aansoek vir Basiese Bepaling Proses by die Departement van Omgewing, Bosbou en Visserye, ingevolge Staatskennisgewing Nr. R. 982 van 4 Desember 2014 (soos gewysig);
2. Aansoek vir waterverbruik magtigingsproses by die Departement van Menslike Nedersettings, Water en Sanitasie, ingevolge Artikel 21 van die Nasionale Waterwet (Wet Nr. 36 van 1998).

HERSIEN VAN DIE VOORLOPIGE VERSLAG:

Die voorlopige Basiese Bepaling Verslag vir die opgradering van die bestaande VGRWSS sal beskikbaar gestel word vir openbare besigtiging by die volgende plekke vanaf **27 Augustus tot 30 September 2019:**



Mon 26/08/2019 04:14 PM

Donovan Henning

10689-VGRWSS-II: Upgrading of Existing Scheme - Landowner Notification of Review of Draft Basic Assessment Report and Public Meetings

To

Bcc 'Riaan.karriem@transnet.net'; 'Keith.d@raubex.com'

You forwarded this message on 26/08/2019 04:14 PM.

Message 10689-20190826-Kommentaarblad.pdf

10689-20190826-Comment Sheet.pdf

VGRWSS-II Upgrade of Existing Scheme - Cadastral Map Section 9.pdf

NOTICE OF REVIEW OF DRAFT BASIC ASSESSMENT REPORT AND PUBLIC MEETINGS

PROPOSED VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME PHASE 2: UPGRADING OF THE EXISTING SCHEME

Notice is hereby given in terms of the following:

- The Environmental Impact Assessment (EIA) Regulations of 2014 (as amended), in terms of the National Environmental Management Act (Act No. 107 of 1998) (NEMA);
- The Mineral and Petroleum Resources Development Act (Act No. 28 of 2002) (MPRDA); and
- The National Water Act (Act No. 36 of 1998) (NWA).

PROJECT OVERVIEW:

The Vaal Gamagara Regional Water Supply Scheme (VGRWSS) is located in the Northern Cape Province and was completed in 1968. The existing scheme transfers water from Delpoortshoop on the Vaal River (60km to the north west of Kimberley) via Postmasburg to the Iron ore mines at Kathu. From Kathu, a pipeline continues to the manganese mines at Hotazel and finally terminates at Black Rock. The current scheme is operating at capacity and is not able to supply the increasing future water demands, and deal with the increasing water supply interruptions. In addition, the infrastructure is nearing the end of its useful life.

Sedibeng Water has thus proposed the upgrading of the VGRWSS, which consists of the following:

- Mechanical and electrical upgrading of the abstraction works at Delpoortshoop;
- Refurbishment on pipework and repairs to buildings at the Delpoortshoop water treatment works;
- Replacing / refurbishing approximately 210km of the existing pipeline from Delpoortshoop to Olifantshoek;
- Mechanical and electrical upgrading of the pump stations at Delpoortshoop, Kneukel and Trewill; and
- Upgrading of the Clifton and Gloucester Reservoirs, as well as the Trewill and Kneukel Sumps.

This notification only pertains to the upgrading of the existing VGRWSS. A map which shows the location of the proposed development in relation to your property is also attached hereto.

Other components of the project, which will be dealt with in separate assessments in the future, include the following:

- It is proposed to abstract groundwater at the following well sites to augment the existing VGRWSS: Source Development Area (SD) 1 in the Danielskuil area, and SD2 in the Postmasburg area; and
- In addition, construction material will also need to be sourced from approximately 20 borrow pits that will be located at 10km intervals along the pipeline.

ENVIRONMENTAL ASSESSMENTS - UPGRADING OF THE EXISTING VGRWSS:

Nemai Consulting was appointed by Sedibeng Water to undertake the following environmental assessments for the upgrading of the existing VGRWSS:

- Application for a Basic Assessment Process to the Department of Environment, Forestry and Fisheries (DEFF), in terms of Government Notice No. R. 982 of 4 December 2014 (as amended); and
- Application for a water use entitlement to the Department of Human Settlements, Water and Sanitation (DHSWS), in terms of Section 21 of the National Water Act (Act No. 36 of 1998).

REVIEW OF DRAFT REPORT:

The Draft Basic Assessment Report for the upgrading of the existing VGRWSS will be lodged for public review at the following venues from **27 August until 30 September 2019**:

Venue	Address	Tel. No.

KENNISGEWING AANGAANDE DIE HERSIENING VAN DIE VOORLOPIGE BASIESE BEPALING VERSLAG EN OPENBARE VERGADERINGS

VOORGESTELDE VAAL GAMAGARA WATERVOORSIENING SKEMA FASE 2: OPGRADERING VAN DIE BESTAANDE SKEMA

Hierdie kennisgewing word gegee kragtens die volgende:

- Die Omgewingsimpakbepalingsregulasies van 2014 (soos gewysig), kragtens die Wet op Nasionale Omgewingsbestuur (Wet Nr. 107 van 1998) (hierna *NEMA*);
- Die Wet op die Ontwikkeling van Minerale en Petroleum Hulpbronne (Wet Nr. 28 van 2002) (hierna *MPRDA*); en
- Die Nasionale Waterwet (Wet Nr. 36 van 1998) (hierna *NWA*).

PROJEKOORSIG:

Die Vaal Gamagara Streek Watervoorsiening Skema (hierna *VGRWSS*) in die Noord-Kaapse Provinsie is in 1968 voltooi. Water word vanaf Delpoortshoop by die Vaalrivier (60km noord-wes van Kimberley) via Postmasburg na die ystererts myne in Kathu oorgedra deur die bestaande skema. Van daar af lewer h pyllyn verder water aan die mangaan myne by Hotazel en uiteindelik tot by Black Rock. Die bestaande skema word teen volle kapasiteit bedryf en is nie in staat om aan die toenemende toekomstige waterbehoefes te voorsien nie, en om die toenemende onderbrekings in watervoorsiening te hanteer nie. Die infrastruktuur bereik ook die einde van sy bruikbare lewensduur.

Sedibeng Water beplan dus om die VGRWSS op te gradeer, wat die volgende behels:

- Meganiese en elektriese opgradering van die onttrekkingswerke by Delpoortshoop;
- Opknapping van pypwerk en herstel van geboue by die Delpoortshoop watersuiweringswerke;
- Vervanging / opknapping van ongeveer 210km van die bestaande pyllyn vanaf Delpoortshoop tot Olifantshoek;
- Meganiese en elektriese opgradering van die pompstasies by Delpoortshoop, Kneukel en Trewill; en
- Opgradering van die Clifton en Gloucester Reservoirs, sowel as die Trewill en Kneukel Sinkputte.

Hierdie kennisgewing het slegs betrekking op die opgradering van die bestaande VGRWSS. h Kaart wat die ligging van die voorgestelde ontwikkeling met betrekking tot u eiendom toon, is ook hierby aangeheg.

Ander komponente van die projek, **wat in die toekoms in afsonderlike assesserings behandel sal word**, sluit die volgende in:

- Dit word beplan om grondwater by die volgende produksieveld gebiede te onttrek om die bestaande VGRWSS aan te vul: Bron-ontwikkelings- (BO) gebied 1 in die Danielskuil gebied; en BO2 in die Postmasburg gebied; en
- Verder word Konstruksiemateriaal ook benodig vanaf ongeveer 20 leengroewe wat in 10km intervalle langs die pyllyn beplan word.

OMGEWINGSBEPALINGS - OPGRADERING VAN DIE BESTAANDE VGRWSS:

Nemai Consulting is deur Sedibeng Water aangestel om die volgende omgewingsbepalings uit te voer vir die opgradering van die bestaande VGRWSS:

- Aansoek vir Basiese Bepaling Proses by die Departement van Omgewing, Bosbou en Visserye, ingevolge Staatskennisgewing Nr. R. 982 van 4 Desember 2014 (soos gewysig);
- Aansoek vir waterverbruik magtigingsproses by die Departement van Menslike Nedersettings, Water en Sanitasie, ingevolge Artikel 21 van die Nasionale Waterwet (Wet Nr. 36 van 1998).

HERSIENING VAN DIE VOORLOPIGE VERSLAG:

Die voorlopige Basiese Bepaling Verslag vir die opgradering van die bestaande VGRWSS sal beskikbaar gestel word vir openbare besigtiging by die volgende plekke vanaf **27 Augustus tot 30 September 2019**:

Plek	Adres	Tel. Nr.



Mon 26/08/2019 04:15 PM

Donovan Henning

10689-VGRWSS-II: Upgrading of Existing Scheme - Landowner Notification of Review of Draft Basic Assessment Report and Public Meetings

To

Bcc 'venter.sarel@gmail.com'; 'nadia.williams@angloamerican.com'; 'Riaan.kaariem@transnet.net'; 'topsvdi@lantic.net'; 'ebb@hotmail.co.za'; 'francois@langebergstene.co.za'

You forwarded this message on 26/08/2019 04:15 PM.

Message 10689-20190826-Kommentaarblad.pdf

10689-20190826-Comment Sheet.pdf

VGRWSS-II Upgrade of Existing Scheme - Cadastral Map Section 10.pdf

NOTICE OF REVIEW OF DRAFT BASIC ASSESSMENT REPORT AND PUBLIC MEETINGS

PROPOSED VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME PHASE 2: UPGRADING OF THE EXISTING SCHEME

Notice is hereby given in terms of the following:

- The Environmental Impact Assessment (EIA) Regulations of 2014 (as amended), in terms of the National Environmental Management Act (Act No. 107 of 1998) (NEMA);
- The Mineral and Petroleum Resources Development Act (Act No. 28 of 2002) (MPRDA); and
- The National Water Act (Act No. 36 of 1998) (NWA).

PROJECT OVERVIEW:

The Vaal Gamagara Regional Water Supply Scheme (VGRWSS) is located in the Northern Cape Province and was completed in 1968. The existing scheme transfers water from Delporthoop on the Vaal River (60km to the north west of Kimberley) via Postmasburg to the iron ore mines at Kathu. From Kathu, a pipeline continues to the manganese mines at Hotazel and finally terminates at Black Rock. The current scheme is operating at capacity and is not able to supply the increasing future water demands, and deal with the increasing water supply interruptions. In addition, the infrastructure is nearing the end of its useful life.

Sedibeng Water has thus proposed the upgrading of the VGRWSS, which consists of the following:

- Mechanical and electrical upgrading of the abstraction works at Delporthoop;
- Refurbishment on pipework and repairs to buildings at the Delporthoop water treatment works;
- Replacing / refurbishing approximately 210km of the existing pipeline from Delporthoop to Olifantshoek;
- Mechanical and electrical upgrading of the pump stations at Delporthoop, Kneukel and Trewill; and
- Upgrading of the Clifton and Gloucester Reservoirs, as well as the Trewill and Kneukel Sumps.

This notification only pertains to the upgrading of the existing VGRWSS. A map which shows the location of the proposed development in relation to your property is also attached hereto.

Other components of the project, which will be dealt with in separate assessments in the future, include the following:

- It is proposed to abstract groundwater at the following well sites to augment the existing VGRWSS: Source Development Area (SD) 1 in the Danielskuil area, and SD2 in the Postmasburg area; and
- In addition, construction material will also need to be sourced from approximately 20 borrow pits that will be located at 10km intervals along the pipeline.

ENVIRONMENTAL ASSESSMENTS - UPGRADING OF THE EXISTING VGRWSS:

Nemai Consulting was appointed by Sedibeng Water to undertake the following environmental assessments for the upgrading of the existing VGRWSS:

- Application for a Basic Assessment Process to the Department of Environment, Forestry and Fisheries (DEFF), in terms of Government Notice No. R. 982 of 4 December 2014 (as amended); and
- Application for a water use entitlement to the Department of Human Settlements, Water and Sanitation (DHSWS), in terms of Section 21 of the National Water Act (Act No. 36 of 1998).

REVIEW OF DRAFT REPORT:

The Draft Basic Assessment Report for the upgrading of the existing VGRWSS will be lodged for public review at the following venues from **27 August until 30 September 2019**:

Venue	Adres	Tel. No.
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KENNISGEWING AANGAANDE DIE HERSIENING VAN DIE VOORLOPIGE BASIESE BEPALING VERSLAG EN OPENBARE VERGADERINGS

VOORGESTELDE VAAL GAMAGARA WATERVOORSIENING SKEMA FASE 2: OPGRADERING VAN DIE BESTAANDE SKEMA

Hierdie kennisgewing word gegee kragtens die volgende:

- Die Omgewingsimpakbepalingsregulasies van 2014 (soos gewysig), kragtens die Wet op Nasionale Omgewingsbestuur (Wet Nr. 107 van 1998) (hierna *NEMA*);
- Die Wet op die Ontwikkeling van Minerale en Petroleum Hulpbronne (Wet Nr. 28 van 2002) (hierna *MPRDA*); en
- Die Nasionale Waterwet (Wet Nr. 36 van 1998) (hierna *NWA*).

PROJEKOORSIG:

Die Vaal Gamagara Streek Watervoorsiening Skema (hierna *VGRWSS*) in die Noord-Kaapse Provinsie is in 1968 voltooi. Water word vanaf Delporthoop by die Vaalrivier (60km noord-wes van Kimberley) via Postmasburg na die ystererts myne in Kathu oorgedra deur die bestaande skema. Van daar af lewer h pylyn verder water aan die mangaan myne by Hotazel en uiteindelik tot by Black Rock. Die bestaande skema word teen volle kapasiteit bedryf en is nie in staat om aan die toenemende toekomstige waterbehoefes te voorsien nie, en om die toenemende onderbrekings in watervoorsiening te hanteer nie. Die infrastruktuur bereik ook die einde van sy bruikbare lewensduur.

Sedibeng Water beplan dus om die VGRWSS op te gradeer, wat die volgende behels:

- Meganiese en elektriese opgradering van die onttrekkingswerke by Delporthoop;
- Opknapping van pypwerk en herstel van geboue by die Delporthoop watersuiweringswerke;
- Vervanging / opknapping van ongeveer 210km van die bestaande pylyn vanaf Delporthoop tot Olifantshoek;
- Meganiese en elektriese opgradering van die pompstasies by Delporthoop, Kneukel en Trewill; en
- Opgradering van die Clifton en Gloucester Reservoirs, sowel as die Trewill en Kneukel Sinkputte.

Hierdie kennisgewing het slegs betrekking op die opgradering van die bestaande VGRWSS. 'n Kaart wat die ligging van die voorgestelde ontwikkeling met betrekking tot u eiendom toon, is ook hierby aangeheg.

Ander komponente van die projek, wat in die toekoms in afsonderlike assesserings behandel sal word, sluit die volgende in:

- Dit word beplan om grondwater by die volgende produksieveld gebiede te onttrek om die bestaande VGRWSS aan te vul: Bron-ontwikkelings- (BO) gebied 1 in die Danielskuil gebied; en BO2 in die Postmasburg gebied; en
- Verder word Konstruksiemateriaal ook nodig vanaf ongeveer 20 leengroewe wat in 10km intervalle langs die pylyn beplan word.

OMGEWINGSBEPALINGS - OPGRADERING VAN DIE BESTAANDE VGRWSS:

Nemai Consulting is deur Sedibeng Water aangestel om die volgende omgewingsbepalings uit te voer vir die opgradering van die bestaande VGRWSS:

- Aansoek vir Basiese Bepaling Proses by die Departement van Omgewing, Bosbou en Visserye, ingevolge Staatskennisgewing Nr. R. 982 van 4 Desember 2014 (soos gewysig);
- Aansoek vir waterverbruik magtigingsproses by die Departement van Menslike Nedersettings, Water en Sanitasie, ingevolge Artikel 21 van die Nasionale Waterwet (Wet Nr. 36 van 1998).

HERSIEN VAN DIE VOORLOPIGE VERSLAG:

Die voorlopige Basiese Bepaling Verslag vir die opgradering van die bestaande VGRWSS sal beskikbaar gestel word vir openbare besigtiging by die volgende plekke vanaf **27 Augustus tot 30 September 2019**:

Plek	Adres	Tel. Nr.
------	-------	----------



Mon 26/08/2019 04:16 PM

Donovan Henning

10689-VGRWSS-II: Upgrading of Existing Scheme - Landowner Notification of Review of Draft Basic Assessment Report and Public Meetings

To

Bcc 'admin@wiesebt.co.za'; 'coetzeenel5@gmail.com'; 'elektra_elektries@gmail.com'; 'Andren@Gamagara.co.za'; 'cmcmathe@gmail.com'

Message 10689-20190826-Kommentaarblad.pdf

10689-20190826-Comment Sheet.pdf

VGRWSS-II Upgrade of Existing Scheme - Cadastral Map Section 11.pdf

NOTICE OF REVIEW OF DRAFT BASIC ASSESSMENT REPORT AND PUBLIC MEETINGS

PROPOSED VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME PHASE 2: UPGRADING OF THE EXISTING SCHEME

Notice is hereby given in terms of the following:

- The Environmental Impact Assessment (EIA) Regulations of 2014 (as amended), in terms of the National Environmental Management Act (Act No. 107 of 1998) (NEMA);
- The Mineral and Petroleum Resources Development Act (Act No. 28 of 2002) (MPRDA); and
- The National Water Act (Act No. 36 of 1998) (NWA).

PROJECT OVERVIEW:

The Vaal Gamagara Regional Water Supply Scheme (VGRWSS) is located in the Northern Cape Province and was completed in 1968. The existing scheme transfers water from Delpoortshoop on the Vaal River (60km to the north west of Kimberley) via Postmasburg to the iron ore mines at Kathu. From Kathu, a pipeline continues to the manganese mines at Hotazel and finally terminates at Black Rock. The current scheme is operating at capacity and is not able to supply the increasing future water demands, and deal with the increasing water supply interruptions. In addition, the infrastructure is nearing the end of its useful life.

Sedibeng Water has thus proposed the upgrading of the VGRWSS, which consists of the following:

- Mechanical and electrical upgrading of the abstraction works at Delpoortshoop;
- Refurbishment on pipework and repairs to buildings at the Delpoortshoop water treatment works;
- Replacing / refurbishing approximately 210km of the existing pipeline from Delpoortshoop to Olifantshoek;
- Mechanical and electrical upgrading of the pump stations at Delpoortshoop, Kneukel and Trewill; and
- Upgrading of the Clifton and Gloucester Reservoirs, as well as the Trewill and Kneukel Sumps.

This notification only pertains to the upgrading of the existing VGRWSS. A map which shows the location of the proposed development in relation to your property is also attached hereto.

Other components of the project, which will be dealt with in separate assessments in the future, include the following:

- It is proposed to abstract groundwater at the following well sites to augment the existing VGRWSS: Source Development Area (SD) 1 in the Danielskuil area, and SD2 in the Postmasburg area; and
- In addition, construction material will also need to be sourced from approximately 20 borrow pits that will be located at 10km intervals along the pipeline.

ENVIRONMENTAL ASSESSMENTS - UPGRADING OF THE EXISTING VGRWSS:

Nemai Consulting was appointed by Sedibeng Water to undertake the following environmental assessments for the upgrading of the existing VGRWSS:

- Application for a Basic Assessment Process to the Department of Environment, Forestry and Fisheries (DEFF), in terms of Government Notice No. R. 982 of 4 December 2014 (as amended); and
- Application for a water use entitlement to the Department of Human Settlements, Water and Sanitation (DHSWS), in terms of Section 21 of the National Water Act (Act No. 36 of 1998).

REVIEW OF DRAFT REPORT:

The Draft Basic Assessment Report for the upgrading of the existing VGRWSS will be lodged for public review at the following venues from **27 August until 30 September 2019**:

Venue	Address	Tel. No.
Delpoortshoop Library	7 Hanekom Street, Delpoortshoop, 8377	079 985 8533

KENNISGEWING AANGAANDE DIE HERSIENING VAN DIE VOORLOPIGE BASIESE BEPALING VERSLAG EN OPENBARE VERGADERINGS

VOORGESTELDE VAAL GAMAGARA WATERVOORSIENING SKEMA FASE 2: OPGRADERING VAN DIE BESTAANDE SKEMA

Hierdie kennisgewing word gegee kragtens die volgende:

- Die Omgewingsimpakbepalingsregulasies van 2014 (soos gewysig), kragtens die Wet op Nasionale Omgewingsbestuur (Wet Nr. 107 van 1998) (hierna *NEMA*);
- Die Wet op die Ontwikkeling van Minerale en Petroleum Hulpbronne (Wet Nr. 28 van 2002) (hierna *MPRDA*); en
- Die Nasionale Waterwet (Wet Nr. 36 van 1998) (hierna *NWA*).

PROJEKOORSIG:

Die Vaal Gamagara Streek Watervoorsiening Skema (hierna *VGRWSS*) in die Noord-Kaapse Provinsie is in 1968 voltooi. Water word vanaf Delpoortshoop by die Vaalrivier (60km noord-wes van Kimberley) via Postmasburg na die ystererts myne in Kathu oorgedra deur die bestaande skema. Van daar af lewer h pyllyn verder water aan die mangaan myne by Hotazel en uiteindelik tot by Black Rock. Die bestaande skema word teen volle kapasiteit bedryf en is nie in staat om aan die toenemende toekomstige waterbehoefes te voorsien nie, en om die toenemende onderbrekings in watervoorsiening te hanteer nie. Die infrastruktuur bereik ook die einde van sy bruikbare lewensduur.

Sedibeng Water beplan dus om die VGRWSS op te gradeer, wat die volgende behels:

- Meganiese en elektriese opgradering van die onttrekkingswerke by Delpoortshoop;
- Opknapping van pypwerk en herstel van geboue by die Delpoortshoop watersuiweringswerke;
- Vervanging / opknapping van ongeveer 210km van die bestaande pyllyn vanaf Delpoortshoop tot Olifantshoek;
- Meganiese en elektriese opgradering van die pompstasies by Delpoortshoop, Kneukel en Trewill; en
- Opgradering van die Clifton en Gloucester Reservoirs, sowel as die Trewill en Kneukel Sinkputte.

Hierdie kennisgewing het slegs betrekking op die opgradering van die bestaande VGRWSS. 'n Kaart wat die ligging van die voorgestelde ontwikkeling met betrekking tot u eiendom toon, is ook hierby aangeheg.

Ander komponente van die projek, **wat in die toekoms in afsonderlike assesserings behandel sal word**, sluit die volgende in:

- Dit word beplan om grondwater by die volgende produksieveld gebiede te onttrek om die bestaande VGRWSS aan te vul: Bron-ontwikkelings- (BO) gebied 1 in die Danielskuil gebied; en BO2 in die Postmasburg gebied; en
- Verder word Konstruksiemateriaal ook benodig vanaf ongeveer 20 leengroewe wat in 10km intervalle langs die pyllyn beplan word.

OMGEWINGSBEPALINGS - OPGRADERING VAN DIE BESTAANDE VGRWSS:

Nemai Consulting is deur Sedibeng Water aangestel om die volgende omgewingsbepalings uit te voer vir die opgradering van die bestaande VGRWSS:

- Aansoek vir Basiese Bepaling Proses by die Departement van Omgewing, Bosbou en Visserye, ingevolge Staatskennisgewing Nr. R. 982 van 4 Desember 2014 (soos gewysig);
- Aansoek vir waterverbruik magtigingsproses by die Departement van Menslike Nedersettings, Water en Sanitasie, ingevolge Artikel 21 van die Nasionale Waterwet (Wet Nr. 36 van 1998).

HERSIEN VAN DIE VOORLOPIGE VERSLAG:

Die voorlopige Basiese Bepaling Verslag vir die opgradering van die bestaande VGRWSS sal beskikbaar gestel word vir openbare besigtiging by die volgende plekke vanaf **27 Augustus tot 30 September 2019**:

Plek	Adres	Tel. Nr.
Delpoortshoop Biblioteek	7 Hanekom Straat, Delpoortshoop, 8377	079 985 8533

Email Notification to Registered IAPs



Mon 26/08/2019 04:00 PM

Donovan Henning

10689-VGRWSS-II: Upgrading of Existing Scheme - Registered IAPs Notification of Review of Draft Basic Assessment Report and Public Meetings

To

Bcc 'moseslebogang@gmail.com'; 'rooidevine@gmail.com'; 'Dirk.Coetzee@assmang.co.za'; 'Durelle.Carstens@assmang.co.za'; 'Edwin.Austin@petradiamonds.com'; 'edwin.austin75@gmail.com'; 'germar.bitong@gmail.com'; 'francoisdeje@outlook.com'; 'Karolisdrift.bl@gmail.com'; 'donovanandreas@gmail.com'; 'sheperdmines@gmail.com'; 'edwinselao@gmail.com'; 'orpenmonica@gmail.com'; 'Lelgadib@gmail.com'; 'anna.morwe@yahoo.com'; 'Vlokhj@gmail.com'; 'willem.elna3@gmail.com'; 'Info@tshping.co.za'; 'Jurgosthuizen@yahoo.com'; 'len@jempmg.co.za'; 'johan@soetfontein.co.za'; 'gibson.deidre@gmail.com'; 'pwross73@gmail.com'; 'william.jarvis33@gmail.com'; 'lampies55@gmail.com'; 'jm@jimboos.co.za'; 'doete71@gmail.com'; 'booyensj@matchcast.co.za'; 'lorry@rufo.co.za'; 'johan.kotze@floradaleboerdery.co.za'; 'snrprotech@tsantsabane.gov.za'; 'telportb@vodamail.co.za'; 'henning@agrink.co.za'; 'marnavz@lantic.net'; 'lukekotze1@live.com'; 'con.schoombie@ppc.co.za'; 'anton.bezuidenhout@petradiamonds.co.za'; 'leon.delange@petradiamonds.co.za'; 'fourie.mg@gmail.com'; 'kyork@vodamail.co.za'; 'mashudu.dzivhani@ppc.co.za'; 'Tsteenkamp@vodamail.co.za'; 'arie.hollenbach@vodamail.co.za'; 'kalahariplanman@gmail.com'; 'hannes.ross@pioneerfoods.co.za'; 'sakkie.vanniekerk@assmang.co.za'; 'vhugo@ppc.co.za'; 'martimc2@telkom.co.za'; 'SchutCE5@telkom.co.za'; 'genekilian@gmail.com'

Message

10689-20190826-Comment Sheet.pdf

10689-20190826-Kommentaarblad.pdf

NOTICE OF REVIEW OF DRAFT BASIC ASSESSMENT REPORT AND PUBLIC MEETINGS

PROPOSED VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME PHASE 2: UPGRADING OF THE EXISTING SCHEME

Notice is hereby given in terms of the following:

- The Environmental Impact Assessment (EIA) Regulations of 2014 (as amended), in terms of the National Environmental Management Act (Act No. 107 of 1998) (NEMA);
- The Mineral and Petroleum Resources Development Act (Act No. 28 of 2002) (MPRDA); and
- The National Water Act (Act No. 36 of 1998) (NWA).

PROJECT OVERVIEW:

The Vaal Gamagara Regional Water Supply Scheme (VGRWSS) is located in the Northern Cape Province and was completed in 1968. The existing scheme transfers water from Delpoortshoop on the Vaal River (80km to the north west of Kimberley) via Postmasburg to the iron ore mines at Kathu. From Kathu, a pipeline continues to the manganese mines at Hotazel and finally terminates at Black Rock. The current scheme is operating at capacity and is not able to supply the increasing future water demands, and deal with the increasing water supply interruptions. In addition, the infrastructure is nearing the end of its useful life.

Sedibeng Water has thus proposed the upgrading of the VGRWSS, which consists of the following:

- Mechanical and electrical upgrading of the abstraction works at Delpoortshoop;
- Refurbishment on pipework and repairs to buildings at the Delpoortshoop water treatment works;
- Replacing / refurbishing approximately 210km of the existing pipeline from Delpoortshoop to Olfantshoek;
- Mechanical and electrical upgrading of the pump stations at Delpoortshoop, Kneukel and Trewill; and
- Upgrading of the Clifton and Gloucester Reservoirs, as well as the Trewill and Kneukel Sumps.

This notification only pertains to the upgrading of the existing VGRWSS.

Other components of the project, which will be dealt with in separate assessments in the future, include the following:

- It is proposed to abstract groundwater at the following well sites to augment the existing VGRWSS: Source Development Area (SD) 1 in the Danielskuil area, and SD2 in the Postmasburg area; and
- In addition, construction material will also need to be sourced from approximately 20 borrow pits that will be located at 10km intervals along the pipeline.

ENVIRONMENTAL ASSESSMENTS - UPGRADING OF THE EXISTING VGRWSS:

Nemal Consulting was appointed by Sedibeng Water to undertake the following environmental assessments for the upgrading of the existing VGRWSS:

- Application for a Basic Assessment Process to the Department of Environment, Forestry and Fisheries (DEFF), in terms of Government Notice No. R. 982 of 4 December 2014 (as amended); and
- Application for a water use entitlement to the Department of Human Settlements, Water and Sanitation (DHSWS), in terms of Section 21 of the National Water Act (Act No. 36 of 1998).

REVIEW OF DRAFT REPORT:

The Draft Basic Assessment Report for the upgrading of the existing VGRWSS will be lodged for public review at the following venues from **27 August until 30 September 2019**:

Venue	Address	Tel. No.
-------	---------	----------

KENNISGEWING AANGAANDE DIE HERSIENING VAN DIE VOORLOPIGE BASIESE BEPALING VERSLAG EN OPENBARE VERGADERINGS

VOORGESTELDE VAAL GAMAGARA WATERVOORSIENING SKEMA FASE 2: OPGRADERING VAN DIE BESTAANDE SKEMA

Hierdie kennisgewing word gegee kragtens die volgende:

- Die Omgewingsimpakbepalingsregulasies van 2014 (soos gewysig), kragtens die Wet op Nasionale Omgewingsbestuur (Wet Nr. 107 van 1998) (hierna NEMA);
- Die Wet op die Ontwikkeling van Minerale en Petroleum Hulpbronne (Wet Nr. 28 van 2002) (hierna MPRDA); en
- Die Nasionale Waterwet (Wet Nr. 36 van 1998) (hierna NWA).

PROJEKTOORSIG:

Die Vaal Gamagara Streek Watervoorsiening Skema (hierna VGRWSS) in die Noord-Kaapse Provinsie is in 1968 voltooi. Water word vanaf Delpoortshoop by die Vaalrivier (80km noord-wes van Kimberley) via Postmasburg na die ystererts myne in Kathu oorgedra deur die bestaande skema. Van daar af lewer h pylpyn verder water aan die mangaan myne by Hotazel en uiteindelik tot by Black Rock. Die bestaande skema word teen volle kapasiteit bedryf en is nie in staat om aan die toenemende toekomstige waterbehoefes te voorsien nie, en om die toenemende onderbrekings in watervoorsiening te hanteer nie. Die infrastruktuur bereik ook die einde van sy bruikbare lewensduur.

Sedibeng Water beplan dus om die VGRWSS op te gradeer, wat die volgende behels:

- Meganiese en elektriese opgradering van die onttrekkingswerke by Delpoortshoop;
- Opknapping van pypwerk en herstel van geboue by die Delpoortshoop watersuiweringswerke;
- Vervanging / opknapping van ongeveer 210km van die bestaande pylpyn vanaf Delpoortshoop tot Olfantshoek;
- Meganiese en elektriese opgradering van die pompstasies by Delpoortshoop, Kneukel en Trewill; en
- Opgradering van die Clifton en Gloucester Reservoirs, sowel as die Trewill en Kneukel Sinkputte.

Hierdie kennisgewing het slegs betrekking op die opgradering van die bestaande VGRWSS.

Ander komponente van die projek, wat in die toekoms in afsonderlike assesserings behandel sal word, sluit die volgende in:

- Dit word beplan om grondwater by die volgende produksieveld gebiede te onttrek om die bestaande VGRWSS aan te vul: Bron-ontwikkelings- (BO) gebied 1 in die Danielskuil gebied, en BO2 in die Postmasburg gebied, en
- Verder word Konstruksiemateriaal ook benodig vanaf ongeveer 20 leengroewe wat in 10km intervalle langs die pylpyn beplan word.

OMGEWINGSBEPALINGS - OPGRADERING VAN DIE BESTAANDE VGRWSS:

Nemal Consulting is deur Sedibeng Water aangestel om die volgende omgewingsbepalings uit te voer vir die opgradering van die bestaande VGRWSS:

- Aansoek vir Basiese Bepaling Proses by die Departement van Omgewing, Bosbou en Visserye, ingevolge Staatskennisgewing Nr. R. 982 van 4 Desember 2014 (soos gewysig);
- Aansoek vir waterverbruik magtigingsproses by die Departement van Menslike Nedersettings, Water en Sanitasie, ingevolge Artikel 21 van die Nasionale Waterwet (Wet Nr. 36 van 1998).

HERSIEN VAN DIE VOORLOPIGE VERSLAG:

Die voorlopige Basiese Bepaling Verslag vir die opgradering van die bestaande VGRWSS sal beskikbaar gestel word vir openbare besigtiging by die volgende plekke vanaf **27 Augustus tot 30 September 2019**:

Plek	Adres	Tel. Nr.
------	-------	----------

Email Notification to General IAPs



Mon 26/08/2019 03:54 PM

Donovan Henning

10689-VGRWSS-II: Upgrading of Existing Scheme - Notice of Review of Draft Basic Assessment Report and Public Meetings

To

Bcc: 'advocacy@birdlife.org.za'; 'J.Dini@sanbi.org.za'; 'K.Maze@sanbi.org.za'; 'nadia.williams@angloamerican.com'; 'ferdi.goussard@angloamerican.com'; 'nadia.williams@angloamerican.com'; 'Mashudu.Dzivhani@ppc.co.za'; 'Lucas.Tloubatla@assmang.co.za'; 'monica.fick@angloamerican.com'; 'anton.bezuidenhout@petradiamonds.com'; 'Elrina.Cilliers@petradiamonds.com'; 'Jodene.deVilliers@petradiamonds.com'; 'Braum.Fourie@petradiamonds.com'; 'KG.Chakela@petradiamonds.com'; 'Jaco.Esterhuizen@petradiamonds.com'; 'andre.joubert@arm.co.za'; 'piereb@brmo.co.za'; 'marinas@bmo.co.za'; 'louis.meyer@arm.co.za'; 'alda.dubruyn@arm.co.za'; 'david.selemo@assmang.co.za'; 'Dezlinn.Coetzee@assmang.co.za'; 'mafungo@pmgmining.co.za'; 'j@pmgmining.co.za'; 'kgreyling@vedantaresources.co.za'; 'bmahlanga@vedantaresources.co.za'; 'magda.coetzee@south32.net'; 'herbyvr@gmail.com'; 'info@kalagadi.co.za'; 'info@kalagadi.co.za'; 'info@kalagadi.co.za'; 'susan.smith@angloamerican.com'

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Message 10689-20190826-Comment Sheet.pdf

10689-20190826-Kommentaarblad.pdf

NOTICE OF REVIEW OF DRAFT BASIC ASSESSMENT REPORT AND PUBLIC MEETINGS

PROPOSED VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME PHASE 2: UPGRADING OF THE EXISTING SCHEME

Notice is hereby given in terms of the following:

- The Environmental Impact Assessment (EIA) Regulations of 2014 (as amended), in terms of the National Environmental Management Act (Act No. 107 of 1998) (NEMA);
- The Mineral and Petroleum Resources Development Act (Act No. 28 of 2002) (MPRDA); and
- The National Water Act (Act No. 36 of 1998) (NWA).

PROJECT OVERVIEW:

The Vaal Gamagara Regional Water Supply Scheme (VGRWSS) is located in the Northern Cape Province and was completed in 1968. The existing scheme transfers water from Delpoortshoop on the Vaal River (60km to the north west of Kimberley) via Postmasburg to the iron ore mines at Kathu. From Kathu, a pipeline continues to the manganese mines at Hotazel and finally terminates at Black Rock. The current scheme is operating at capacity and is not able to supply the increasing future water demands, and deal with the increasing water supply interruptions. In addition, the infrastructure is nearing the end of its useful life.

Sedibeng Water has thus proposed the upgrading of the VGRWSS, which consists of the following:

- Mechanical and electrical upgrading of the abstraction works at Delpoortshoop;
- Refurbishment on pipework and repairs to buildings at the Delpoortshoop water treatment works;
- Replacing / refurbishing approximately 210km of the existing pipeline from Delpoortshoop to Oifantshoek;
- Mechanical and electrical upgrading of the pump stations at Delpoortshoop, Kneukel and Trewill; and
- Upgrading of the Clifton and Gloucester Reservoirs, as well as the Trewill and Kneukel Sumps.

This notification only pertains to the upgrading of the existing VGRWSS.

Other components of the project, which will be dealt with in separate assessments in the future, include the following:

- It is proposed to abstract groundwater at the following well sites to augment the existing VGRWSS: Source Development Area (SD) 1 in the Danielskuil area, and SD2 in the Postmasburg area; and
- In addition, construction material will also need to be sourced from approximately 20 borrow pits that will be located at 10km intervals along the pipeline.

ENVIRONMENTAL ASSESSMENTS - UPGRADING OF THE EXISTING VGRWSS:

Nemai Consulting was appointed by Sedibeng Water to undertake the following environmental assessments for the upgrading of the existing VGRWSS:

- Application for a Basic Assessment Process to the Department of Environment, Forestry and Fisheries (DEFF), in terms of Government Notice No. R. 982 of 4 December 2014 (as amended); and
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REVIEW OF DRAFT REPORT:

The Draft Basic Assessment Report for the upgrading of the existing VGRWSS will be lodged for public review at the following venues from

KENNISGEWING AANGAANDE DIE HERSIENING VAN DIE VOORLOPIGE BASIESE BEPALING VERSLAG EN OPENBARE VERGADERINGS

VOORGESTELDE VAAL GAMAGARA WATERVOORSIENING SKEMA FASE 2: OPGRADERING VAN DIE BESTAANDE SKEMA

Hierdie kennisgewing word gegee kragtens die volgende:

- Die Omgewingsimpakbepalingsregulasies van 2014 (soos gewysig), kragtens die Wet op Nasionale Omgewingsbestuur (Wet Nr. 107 van 1998) (hierna *NEMA*);
- Die Wet op die Ontwikkeling van Minerale en Petroleum Hulpbronne (Wet Nr. 28 van 2002) (hierna *MPROA*); en
- Die Nasionale Waterwet (Wet Nr. 36 van 1998) (hierna *NWA*).

PROJEKTOORSIG:

Die Vaal Gamagara Streek Watervoorsiening Skema (hierna *VGRWSS*) in die Noord-Kaapse Provinsie is in 1968 voltooi. Water word vanaf Delpoortshoop by die Vaalrivier (60km noord-wes van Kimberley) via Postmasburg na die ystererts myne in Kathu oorgedra deur die bestaande skema. Van daar af lewer h pyplyn verder water aan die mangaan myne by Hotazel en uiteindelik tot by Black Rock. Die bestaande skema word teen volle kapasiteit bedryf en is nie in staat om aan die toenemende toekomstige waterbehoefes te voorsien nie, en om die toenemende onderbrekings in watervoorsiening te hanteer nie. Die infrastruktuur bereik ook die einde van sy bruikbare lewensduur.

Sedibeng Water beplan dus om die VGRWSS op te gradeer, wat die volgende behels:

- Meganiese en elektriese opgradering van die onttrekkingswerke by Delpoortshoop;
- Opknapping van pypwerk en herstel van geboue by die Delpoortshoop watersuiweringswerke;
- Vervanging / opknapping van ongeveer 210km van die bestaande pyplyn vanaf Delpoortshoop tot Oifantshoek;
- Meganiese en elektriese opgradering van die pompstasies by Delpoortshoop, Kneukel en Trewill; en
- Opgradering van die Clifton en Gloucester Reservoirs, sowel as die Trewill en Kneukel Sinkputte.

Hierdie kennisgewing het slegs betrekking op die opgradering van die bestaande VGRWSS.

Ander komponente van die projek, wat in die toekoms in afsonderlike assesserings behandel sal word, sluit die volgende in:

- Dit word beplan om grondwater by die volgende produksieveld gebiede te onttrek om die bestaande VGRWSS aan te vul: Bron-ontwikkelings- (BO) gebied 1 in die Danielskuil gebied; en BO2 in die Postmasburg gebied; en
- Verder word Konstruksiemateriaal ook nodig vanaf ongeveer 20 leengroewe wat in 10km intervalle langs die pyplyn beplan word.

OMGEWINGSBEPALINGS - OPGRADERING VAN DIE BESTAANDE VGRWSS:

Nemai Consulting is deur Sedibeng Water aangestel om die volgende omgewingsbepalings uit te voer vir die opgradering van die bestaande VGRWSS:

- Aansoek vir Basiese Bepaling Proses by die Departement van Omgewing, Bosbou en Visserye, ingevolge Staatskennisgewing Nr. R. 982 van 4 Desember 2014 (soos gewysig);
- Aansoek vir waterverbruik magtigingsproses by die Departement van Menslike Nedersettings, Water en Sanitasie, ingevolge Artikel 21 van die Nasionale Waterwet (Wet Nr. 36 van 1998).

HERSIEN VAN DIE VOORLOPIGE VERSLAG:

Die voorlopige Basiese Bepaling Verslag vir die opgradering van die bestaande VGRWSS sal beskikbaar gestel word vir openbare



Mon 26/08/2019 03:55 PM

Donovan Henning

10689-VGRWSS-II: Upgrading of Existing Scheme - Notice of Review of Draft Basic Assessment Report and Public Meetings

To

Bcc 'thembelani.gantsho@kmr.co.za'; 'ceasor.nokwe@kmr.co.za'; 'natnang@natnang.co.za'; 'luctor.roode@petradiamonds.com'; 'saron.hermanus@petradiamonds.com'; 'vusi.maseko@angloamerican.com'; 'helga.jensch@angloamerican.com'; 'office@tshipi.co.za'; 'jpleader@ntekom.co.za'; 'mbesig@gmail.com'; 'Maphutha.adams@umk.co.za'; 'dw@sitatunga.com'; 'ganz@keeper.co.za'; 'tauk@seio.co.za'; 'willem@amggroup.co.za'; 'andre@goodrock.co.za'; 'nikolas@glosam.co.za'; 'Chris.Nel@pearlgroup.co.za'; 'meshack@sebiloresources.co.za'; 'rnhshoto@gmail.com'; 'Pieter.dewit@afriamat.co.za'; 'Michael.botha@afriamat.co.za'; 'emank@wrc.org.za'; 'wandlien@wrc.org.za'; 'bonanim@wrc.org.za'; 'ebraune@uwc.ac.za'; 'sharon@nocci.co.za'; 'info@nocci.co.za'

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NOTICE OF REVIEW OF DRAFT BASIC ASSESSMENT REPORT AND PUBLIC MEETINGS

PROPOSED VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME PHASE 2: UPGRADING OF THE EXISTING SCHEME

Notice is hereby given in terms of the following:

- The Environmental Impact Assessment (EIA) Regulations of 2014 (as amended), in terms of the National Environmental Management Act (Act No. 107 of 1998) (NEMA);
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- The National Water Act (Act No. 36 of 1998) (NWA).

PROJECT OVERVIEW:

The Vaal Gamagara Regional Water Supply Scheme (VGRWSS) is located in the Northern Cape Province and was completed in 1968. The existing scheme transfers water from Delporthoop on the Vaal River (60km to the north west of Kimberley) via Postmasburg to the iron ore mines at Kathu. From Kathu, a pipeline continues to the manganese mines at Hotazel and finally terminates at Black Rock. The current scheme is operating at capacity and is not able to supply the increasing future water demands, and deal with the increasing water supply interruptions. In addition, the infrastructure is nearing the end of its useful life.

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- Replacing / refurbishing approximately 210km of the existing pipeline from Delporthoop to Olifantshoek;
- Mechanical and electrical upgrading of the pump stations at Delporthoop, Kneukel and Trewill; and
- Upgrading of the Clifton and Gloucester Reservoirs, as well as the Trewill and Kneukel Sumps.

This notification only pertains to the upgrading of the existing VGRWSS.

Other components of the project, which will be dealt with in separate assessments in the future, include the following:

- It is proposed to abstract groundwater at the following well sites to augment the existing VGRWSS: Source Development Area (SD) 1 in the Danielskuil area, and SD2 in the Postmasburg area; and
- In addition, construction material will also need to be sourced from approximately 20 borrow pits that will be located at 10km intervals along the pipeline.

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Nemai Consulting was appointed by Sedibeng Water to undertake the following environmental assessments for the upgrading of the existing VGRWSS:

- Application for a Basic Assessment Process to the Department of Environment, Forestry and Fisheries (DEFF), in terms of Government Notice No. R. 982 of 4 December 2014 (as amended); and
- Application for a water use entitlement to the Department of Human Settlements, Water and Sanitation (DHSWS), in terms of Section 21 of the National Water Act (Act No. 36 of 1998).

REVIEW OF DRAFT REPORT:

The Draft Basic Assessment Report for the upgrading of the existing VGRWSS will be lodged for public review at the following venues from **27 August until 30 September 2019**:

Venue	Address	Tel. No.
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KENNISGEWING AANGAANDE DIE HERSIENING VAN DIE VOORLOPIGE BASIESE BEPALING VERSLAG EN OPENBARE VERGADERINGS

VOORGESTELDE VAAL GAMAGARA WATERVOORSIENING SKEMA FASE 2: OPGRADERING VAN DIE BESTAANDE SKEMA

Hierdie kennisgewing word gegee kragtens die volgende:

- Die Omgewingsimpakbepalingsregulasies van 2014 (soos gewysig), kragtens die Wet op Nasionale Omgewingsbestuur (Wet Nr. 107 van 1998) (hierna *NEMA*);
- Die Wet op die Ontwikkeling van Minerale en Petroleum Hulpbronne (Wet Nr. 28 van 2002) (hierna *MPROA*); en
- Die Nasionale Waterwet (Wet Nr. 36 van 1998) (hierna *NWA*).

PROJEKOORSIG:

Die Vaal Gamagara Streek Watervoorsiening Skema (hierna *VGRWSS*) in die Noord-Kaapse Provinsie is in 1968 voltooi. Water word vanaf Delporthoop by die Vaalrivier (60km noord-wes van Kimberley) via Postmasburg na die ystererts myne in Kathu oorgedra deur die bestaande skema. Van daar af lewer h pyllyn verder water aan die mangaan myne by Hotazel en uiteindelik tot by Black Rock. Die bestaande skema word teen volle kapasiteit bedryf en is nie in staat om aan die toenemende toekomstige waterbehoefes te voorsien nie, en om die toenemende onderbrekings in watervoorsiening te hanteer nie. Die infrastruktuur bereik ook die einde van sy bruikbare lewensduur.

Sedibeng Water beplan dus om die VGRWSS op te gradeer, wat die volgende behels:

- Meganiese en elektriese opgradering van die onttrekkingswerke by Delporthoop;
- Opknapping van pypwerk en herstel van geboue by die Delporthoop watersuiweringswerke;
- Vervanging / opknapping van ongeveer 210km van die bestaande pyllyn vanaf Delporthoop tot Olifantshoek;
- Meganiese en elektriese opgradering van die pompstasies by Delporthoop, Kneukel en Trewill; en
- Opgradering van die Clifton en Gloucester Reservoirs, sowel as die Trewill en Kneukel Sinkputte.

Hierdie kennisgewing het slegs betrekking op die opgradering van die bestaande VGRWSS.

Ander komponente van die projek, wat in die toekoms in afsonderlike assesserings behandel sal word, sluit die volgende in:

- Dit word beplan om grondwater by die volgende produksieveld gebiede te onttrek om die bestaande VGRWSS aan te vul: Bron-ontwikkelings- (BO) gebied 1 in die Danielskuil gebied; en BO2 in die Postmasburg gebied; en
- Verder word Konstruksiemateriaal ook benodig vanaf ongeveer 20 leengroewe wat in 10km intervalle langs die pyllyn beplan word.

OMGEWINGSBEPALINGS - OPGRADERING VAN DIE BESTAANDE VGRWSS:

Nemai Consulting is deur Sedibeng Water aangestel om die volgende omgewingsbepalings uit te voer vir die opgradering van die bestaande VGRWSS:

- Aansoek vir Basiese Bepaling Proses by die Departement van Omgewing, Bosbou en Visserie, ingevolge Staatskennisgewing Nr. R. 982 van 4 Desember 2014 (soos gewysig);
- Aansoek vir waterverbruik magtigingsproses by die Departement van Menslike Nedersettings, Water en Sanitasie, ingevolge Artikel 21 van die Nasionale Waterwet (Wet Nr. 36 van 1998).

HERSIEN VAN DIE VOORLOPIGE VERSLAG:

Die voorlopige Basiese Bepaling Verslag vir die opgradering van die bestaande VGRWSS sal beskikbaar gestel word vir openbare besigtiging by die volgende plekke vanaf **27 Augustus tot 30 September 2019**:

Plek	Adres	Tel. Nr.
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Mon 26/08/2019 03:54 PM

Donovan Henning

10689-VGRWSS-II: Upgrading of Existing Scheme - Notice of Review of Draft Basic Assessment Report and Public Meetings

To

Bcc 'John.geeringh@eskom.co.za'; 'geeringh@eskom.co.za'; 'wryngaajo@eskom.co.za'; 'joubermo@eskom.co.za'; 'Stuurmkv@eskom.co.za'; 'NongauN@eskom.co.za'; 'Mzoxolo.Nzeku@Transnet.net'; 'Francis.Rahlapane@transnet.net'; 'asavela.zenani@transnet.net'; 'zenani.asavela@transnet.net'; 'Riaan.Karriem@transnet.net'; 'wayleacr@telkom.co.za'; 'SchutCE5@telkom.co.za'; 'MartMC2@telkom.co.za'; 'VivianG@openserve.co.za'; 'agrisa@agrisa.co.za'; 'henning@agrink.co.za'; 'rpo@agrink.co.za'; 'wiaanv1@gmail.com'; 'jim@jimbos.co.za'; 'agripostmasburg@gmail.com'; 'info@tshping.co.za'; 'sarel@wsinet.co.za'; 'tersias@petradiamonds.com'; 'danielskuil@kik.co.za'; 'admin@kik.co.za'; 'postmasburg@kik.co.za'; 'lampies55@gmail.com'; 'janman@mjvn.co.za'; 'willie.uys66@gmail.com'; 'jhgous2@gmail.com'; 'Terence.Govender@solarreserve.com'; 'constanth@ewt.org.za'; 'Tani@ewt.org.za'; 'delana@wessa.co.za'; 'morgan.griffiths@wessa.co.za'; 'wessanc@yahoo.com'; 'info@wessa.co.za'; 'info@birdlife.org.za'; 'conservation@birdlife.org.za'; 'daniel.marnewick@birdlife.org.za'

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NOTICE OF REVIEW OF DRAFT BASIC ASSESSMENT REPORT AND PUBLIC MEETINGS

PROPOSED VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME PHASE 2: UPGRADING OF THE EXISTING SCHEME

Notice is hereby given in terms of the following:

- The Environmental Impact Assessment (EIA) Regulations of 2014 (as amended), in terms of the National Environmental Management Act (Act No. 107 of 1998) (NEMA);
- The Mineral and Petroleum Resources Development Act (Act No. 28 of 2002) (MPRDA); and
- The National Water Act (Act No. 36 of 1998) (NWA).

PROJECT OVERVIEW:

The Vaal Gamagara Regional Water Supply Scheme (VGRWSS) is located in the Northern Cape Province and was completed in 1968. The existing scheme transfers water from Delpoortshoop on the Vaal River (60km to the north west of Kimberley) via Postmasburg to the iron ore mines at Kathu. From Kathu, a pipeline continues to the manganese mines at Hotazel and finally terminates at Black Rock. The current scheme is operating at capacity and is not able to supply the increasing future water demands, and deal with the increasing water supply interruptions. In addition, the infrastructure is nearing the end of its useful life.

Sedibeng Water has thus proposed the upgrading of the VGRWSS, which consists of the following:

- Mechanical and electrical upgrading of the abstraction works at Delpoortshoop;
- Refurbishment on pipework and repairs to buildings at the Delpoortshoop water treatment works;
- Replacing / refurbishing approximately 210km of the existing pipeline from Delpoortshoop to Ollifantshoek;
- Mechanical and electrical upgrading of the pump stations at Delpoortshoop, Kneukel and Trewill; and
- Upgrading of the Clifton and Gloucester Reservoirs, as well as the Trewill and Kneukel Sumps.

This notification only pertains to the upgrading of the existing VGRWSS.

Other components of the project, which will be dealt with in separate assessments in the future, include the following:

- It is proposed to abstract groundwater at the following well sites to augment the existing VGRWSS: Source Development Area (SD) 1 in the Danielskuil area, and SD2 in the Postmasburg area, and
- In addition, construction material will also need to be sourced from approximately 20 borrow pits that will be located at 10km intervals along the pipeline.

ENVIRONMENTAL ASSESSMENTS - UPGRADING OF THE EXISTING VGRWSS:

Nemai Consulting was appointed by Sedibeng Water to undertake the following environmental assessments for the upgrading of the existing VGRWSS:

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- Application for a water use entitlement to the Department of Human Settlements, Water and Sanitation (DHSWS), in terms of Section 21 of the National Water Act (Act No. 36 of 1998).

REVIEW OF DRAFT REPORT:

The Draft Basic Assessment Report for the upgrading of the existing VGRWSS will be lodged for public review at the following venues from

KENNISGEWING AANGAANDE DIE HERSIENING VAN DIE VOORLOPIGE BASIESE BEPALING VERSLAG EN OPENBARE VERGADERINGS

VOORGESTELDE VAAL GAMAGARA WATERVOORSIENING SKEMA FASE 2: OPGRADERING VAN DIE BESTAANDE SKEMA

Hierdie kennisgewing word gegee kragtens die volgende:

- Die Omgewingsimpakbepalingsregulasies van 2014 (soos gewysig), kragtens die Wet op Nasionale Omgewingsbestuur (Wet Nr. 107 van 1998) (hierna *NEMA*);
- Die Wet op Ontwikkeling van Minerale en Petroleum Hulpbronne (Wet Nr. 28 van 2002) (hierna *MPRDA*); en
- Die Nasionale Waterwet (Wet Nr. 36 van 1998) (hierna *NWA*).

PROJEKTOORSIG:

Die Vaal Gamagara Streek Watervoorsiening Skema (hierna VGRWSS) in die Noord-Kaapse Provinsie is in 1968 voltooi. Water word vanaf Delpoortshoop by die Vaalrivier (60km noord-wes van Kimberley) via Postmasburg na die ystererts myne in Kathu oorgedra deur die bestaande skema. Van daar af lewer h pyplyn verder water aan die mangaan myne by Hotazel en uiteindelik tot by Black Rock. Die bestaande skema word teen volle kapasiteit bedryf en is nie in staat om aan die toenemende toekomstige waterbehoefes te voorsien nie, en om die toenemende onderbrekings in watervoorsiening te hanteer nie. Die infrastruktuur bereik ook die einde van sy bruikbare lewensduur.

Sedibeng Water beplan dus om die VGRWSS op te gradeer, wat die volgende behels:

- Meganiese en elektriese opgradering van die onttrekkingswerke by Delpoortshoop;
- Opknapping van pypwerk en herstel van geboue by die Delpoortshoop watersuiweringswerke;
- Vervanging / opknapping van ongeveer 210km van die bestaande pyplyn vanaf Delpoortshoop tot Ollifantshoek;
- Meganiese en elektriese opgradering van die pompstasies by Delpoortshoop, Kneukel en Trewill; en
- Opgradering van die Clifton en Gloucester Reservoirs, sowel as die Trewill en Kneukel Sinkputte.

Hierdie kennisgewing het slegs betrekking op die opgradering van die bestaande VGRWSS.

Ander komponente van die projek, wat in die toekoms in afsonderlike assesserings behandel sal word, sluit die volgende in:

- Dit word beplan om grondwater by die volgende produksieveld gebiede te onttrek om die bestaande VGRWSS aan te vul: Bron-ontwikkelings- (BO) gebied 1 in die Danielskuil gebied; en BO2 in die Postmasburg gebied; en
- Verder word Konstruksiemateriaal ook nodig vanaf ongeveer 20 leengroewe wat in 10km intervalle langs die pyplyn beplan word.

OMGEWINGSBEPALINGS - OPGRADERING VAN DIE BESTAANDE VGRWSS:

Nemai Consulting is deur Sedibeng Water aangestel om die volgende omgewingsbepalings uit te voer vir die opgradering van die bestaande VGRWSS:

- Aansoek vir Basiese Bepaling Proses by die Departement van Omgewing, Bosbou en Visserye, ingevolge Staatskennisgewing Nr. R. 982 van 4 Desember 2014 (soos gewysig);
- Aansoek vir waterverbruik magtigingsproses by die Departement van Menslike Nedersettings, Water en Sanitasie, ingevolge Artikel 21 van die Nasionale Waterwet (Wet Nr. 36 van 1998).

HERSIEN VAN DIE VOORLOPIGE VERSLAG:

Die voorlopige Basiese Bepaling Verslag vir die opgradering van die bestaande VGRWSS sal beskikbaar gestel word vir openbare

2019-08-26 16:34:51.0	27729002462	Delivered	aal (Ulco); (2) 3 Sept 2019, 14h30 to 17h00, Postmasburg NG Church/Kerk; (3) 4 Sept 2019, 09h30 to 11h30, Diepkloof Community Hall (Olifantshoek); (4) 4
2019-08-26 16:34:51.0	27729002462	Delivered	Sept 2019, 14h00 to 16h30, Kgatelopele Municipal Town Hall (Danielskuil). Queries: Donovan Henning from Nemai Consulting, T: (011) 781 1730, E: donavanh@
2019-08-26 16:34:51.0	27729002462	Delivered	nemai.co.za.
2019-08-26 16:34:51.0	27827808425	Delivered	Notice of review of Draft Basic Assessment Report for the Vaal Gamagara Regional Water Supply Scheme Phase 2: Upgrading of the Existing Scheme. Review Pe
2019-08-26 16:34:51.0	27827808425	Delivered	riod: 27 Aug to 30 Sept 2019. Website: http://www.nemai.co.za/environmental.html . Public Meetings: (1) 3 Sept 2019, 09h30 to 12h00, Richetts Hall/Boere S
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2019-08-26 16:34:51.0	27827808425	Delivered	nemai.co.za.
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2019-08-26 16:34:51.0	27846025642	Delivered	nemai.co.za.
2019-08-26 16:34:51.0	27514016320	Delivered	Notice of review of Draft Basic Assessment Report for the Vaal Gamagara Regional Water Supply Scheme Phase 2: Upgrading of the Existing Scheme. Review Pe
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2019-08-26 16:34:51.0	27514016320	Delivered	nemai.co.za.
2019-08-26 16:34:51.0	27810455686	Delivered	Notice of review of Draft Basic Assessment Report for the Vaal Gamagara Regional Water Supply Scheme Phase 2: Upgrading of the Existing Scheme. Review Pe
2019-08-26 16:34:51.0	27810455686	Delivered	riod: 27 Aug to 30 Sept 2019. Website: http://www.nemai.co.za/environmental.html . Public Meetings: (1) 3 Sept 2019, 09h30 to 12h00, Richetts Hall/Boere S
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NOTICE OF REVIEW OF DRAFT BASIC ASSESSMENT REPORT AND PUBLIC MEETINGS
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REVIEW OF DRAFT REPORT:

The Draft Basic Assessment Report for the upgrading of the existing VGRWSS will be lodged for public review at the following venues from **27 August until 30 September 2019**:

Venue	Address	Contact Details
Delpportshoop Library	7 Hanekom Street, Delpportshoop, 8377	079 985 6533
Kgatelopele Library	222 Du Plooy Street, Danielskuil, 8405	053 384 0008
Postmasburg Public Library	13 Springbok Street, Postmasburg, 8420	053 313 7300
Olifantshoek Public Library	Cnr of Van Riebeeck and Lanham Street, Olifantshoek, 8450	053 331 0002
Lime Acres Public Library	2 Adams Avenue, Lime acres, 8410	053 385 0602

PUBLIC MEETINGS:

The following public meetings will be held to present the Draft Basic Assessment Report for the upgrading of the existing VGRWSS:

Date	3 September 2019		4 September 2019	
	Delpportshoop	Postmasburg	Olifantshoek	Danielskuil
Area	Richetts Hall (Boere Saal) Club Circle, Ulco	Postmasburg NG Church 22 Duiker Street, Postmasburg	Diepkloof Community Hall, Cnr of Ipeleng & Ikanyeng Street, Olifantshoek	Kgatelopele Municipal Town Hall, 222 Main Road, Danielskuil
Time	09h30 – 12h00	14h30 - 17h00	09h30 – 11h30	14h00 – 16h30
Venue	(28°19'48.2"S 24°12'52.6"E)	(28°19'57.2"S 23°04'01.0"E)	(27°57'19.3"S 22°44'58.8"E)	(28°10'57.8"S 23°32'48.1"E)

CONTACT DETAILS OF ENVIRONMENTAL ASSESSMENT PRACTITIONER:

Contact Person: Donovan Henning
 Tel: (011) 781 1730
 Fax: (011) 781 1731
 Email: donavanh@nemai.co.za
 Postal Address: PO Box 1673, Sunninghill, 2157



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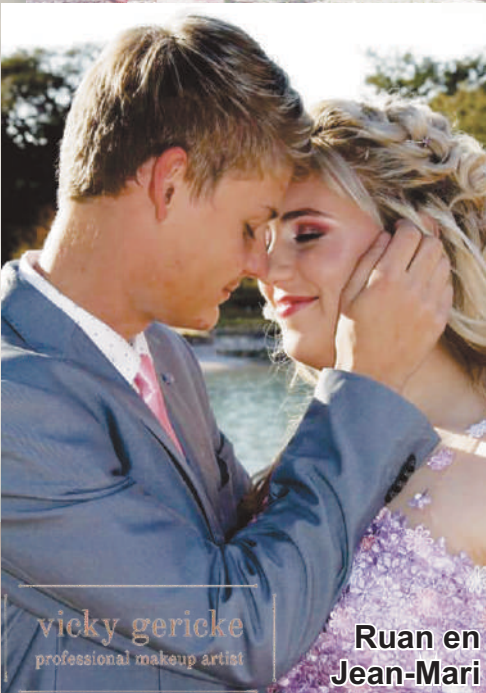
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NOTICE OF REVIEW OF DRAFT BASIC ASSESSMENT REPORT AND PUBLIC MEETINGS

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The report can also be downloaded from the following website: <http://www.nemai.co.za/environmental.html>

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company. She also showed me her new business in Jacobsdal. I
begged her to tell me her secret. Because of our friendship she told
me to go see Mama Anna the spiritual woman & gave me this
number. I called her & I was helped after following his quick
instructions & that was the end of my long period of suffering, my life
changed. I have told many people about Mama Anna & you pay after
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OTHER PROBLEMS HE ATTENDS ARE:
Marriage problems; Financial problems; Bad luck cleansing; See
your enemies in a mirror; Magic wallet & ring; Fix your job; etc.
CALL HER NOW TO GET HELP VERY QUICKLY
065 5375136

**NEW PROPHET
AMANDA
IN KIMBERLEY**
Nadat ek al die afgelope jare lyding gehad het, het ek
noot geweet daar was 'n ware profeet soos Amanda
nie, nadat ek my geld aan valse dokters verloor het. Ek
het gedink my lewe was verby totdat my vriend my
vertel het van haar sukses, ek het gedink dit was 'n
grap, maar sy het daarop aangedring en my gedwing
om haar te bel. Ek het, en sy het my verskillende
opsies gegee om ryk te word. Ek het geld gekoop in my
huis. Na twee dae het ek 10.3 miljoen gekry. Ek was
geskok om soveel geld te sien wat ek dadelik vir haar
'n oproep gekry het. Toe het sy my vertel om die geld
dieselfde dag te gebruik. Het net haar donasie of
geskenk van 10% gegee, sy is 'n ware vrou van God.
063 299 5903

MAMA KANA
ALL KIND OF FINANCIAL
PROBLEMS - CALL MAMA KANA
MONEY IN ACCOUNT
MONEY ON HOUSE & MAGIC WALLET
COME WITH YOUR BAG TO MY OFFICE
100% SURE WITH LOTTO NUMBERS
CALL 078 686 0830

BESTE OPLOSSING VIR GELD!
SANDRA
GEBED DIESELFDE DAG
EN MY NAAM IS SKOON
EN EK IS SKULDVRY
R3.9 miljoen in my
bankrekening!
HALLO LESERS
SANDRA HELP MENSE MET
GELDPROBLEME EN MEER!
BEL 073 603 9354.

NUWE MAMA ZANZIBA
EK VRA GEEN FOOIE NIE,
GEE SLEGS 'N DONASIE
'N WARE VERHAAL
EK HET 'ROOI GELUKSOLIE' VIR GELD
GEBRUIK, NOU IS EK HEELTEMAL
FINANSIËL VRY EN HET AL MY SKULD VEREFFEN.
Liewe lesers, moenie geld op 'n spiritualis wat alles
belowe en niks lewer, mors nie! Ek waarborg dat Mama
Zanziba sal lewer wat sy belowe het. Sy het vir my R10
miljoen gegee en ek het vir my 'n huis, kar en besigheid
gekoop en al my skuld betaal! Sy help ook mense met
finansiële probleme, LOTTO- nommers, verwantskappe,
familie en besigheid.
071 964 0933

**Profeet Fisher
in Kimberley**
Baie dankie, profeet. My naam is
Sandrah van Galesh. Ek werk by die
munisipaliteit, maar ek was nie
tevrede met my salaris nie.
Eendag het ek gehoor op die radiostasie iemand wat
'n getuienis van profeet Fisher gee, ek het sy
selfoonnommer en hy het met my 'n afspraak
gemaak. Ek het na sy kantoor gegaan. Van daardie
dag af het my lewe verander. Ek het R5 miljoen en 'n
promosie by my werk gekry en ek gaan met my
vriend trou.
Baie dankie Profeet Fisher
063 831 0282

**Quick work
ADDA AND MAMA**
ADDA AND MAMA ARE
PROFESSIONAL HEALERS WHO
SOLVE PROBLEMS IN 15 MINUTES •
DELAY OF CLAIMED PROVIDENT FUND
AND DELETE ACCOUNTS OR LOANS IN
3 DAYS • FINANCIAL CRISIS SOLVED IN
A DAY • BRING BACK LOST LOVER
QUICKLY AND STOP CHEATING •
DELAYED FINANCIAL WORK DONE BY
OTHER DOCTORS, PRIESTS AND
PASTORS • GET MONEY TO YOUR
ACCOUNT USING SHORT BOYS, MAGIC
RING • TO GET QUICK BUYER FOR
YOUR PROPERTY • TO GET DOUBLE
AND INCREASE ON YOUR SALARY •
WIN LOTTO AND BIG TENDERS USING
FUNA OIL • MANHOOD/BUM
ENLARGEMENT CREAM/ BUM HIS AND
BREADS
STOP CRYING, COME AND GET ADVICE FREE.
IT'S NOT TOO LATE FOR YOU CALL 073 433 1911

Professionele genesers wat probleme
binne 15 minute oplos.
Het jy finansiële probleme,
verhoudingsprobleme, en manlike of
vroulike probleme? Skakel ons by
073 433 1911 en ons sal help!!
Kry skoonheidverbeteringsrome en
kruiemiddels en baie meer. Hou op huil
en kry gratis advies. Dis nie te laat om
073 433 1911 te skakel nie.
Profeet ABBE: 065 609 3561

EIENDOMME
HUISE TE KOOP 3275
HUIS TE KOOP GREENPOINT. KIMBERLEY
SEL. 061 597 0531
BETREKKINGS 3600
FINANSIËL 3675
BRIDGING CASH while waiting for Pension/Package/Property Sale Pay out (Lump sum only) 086 1101388 084 7543063
REGSKENNISGEWINGS & TENDERS
ALGEMENE KENNISGEWINGS 4010

KENNISGEWING AANGAANDE DIE HERSIENING VAN DIE VOORLOPIGE BASIESE BEPALING VERSLAG EN OPENBARE VERGADERINGS VOORGESTELDE VAAL GAMAGARA WATERVOORSIENING SKEMA FASE 2: OPGRADERING VAN DIE BESTAANDE SKEMA
Hierdie kennisgewing word gegee kragtens die volgende:
• Die Omgewingsimpakbevalingsregulasies van 2014 (soos gewysig), kragtens die Wet op Nasionale Omgewingsbestuur (Wet Nr. 107 van 1998) (hierna NEMA);
• Die Wet op die Ont-

EK HET MAMA SEKKWE SE NOMMER OP RADIO GEKRY. SY IS VAN TARN MANYARA
Haal daar, hierdie is 'n ware verhaal. Ek het heelwat spirituele dokters besoek, maar geen sukses behaal totdat ek Jackson se getuienis oor Mama Sekkwe oor die radio gehoor het. Ek het haar vir hulp geskakel en sy het my gehelp met 15m in 30 min. Ek was regtig verbaas om daardie bedrag te sien en is nou finansiële sterk.
Betaal nadat die werk gedoen is.
Skakel 081 281 2807

PROFEET MATHEW - NUUT IN KIMBERLEY
'N WARE STORIE OOR PROFEET MATHEW. EK HET BAIE PROBLEME GEHAD EN HET SELFS BAIE GELD GEMORS OP VERSKILLENDE
DOKTERS SONDER ENIGE SUKSES, TOTDAT EK PROFEET MATHEW ONTDEK HET. HY HET MY LEWE VERANDER. HY HET VIR MY VERDUIDELIK DAT DAAR VERSKILLENDE MANIERE IS OM GELD TE MAAK EN EK HET GEKIES WAT EK WOU DOEN. EK WAS BAIE GESKOK OM NA 'N RUK R5,2 MILJOEN IN MY HUIS TE ONTDEK. EK HET DIE GELD DADELIK BEGIN GEBRUIK EN PROFEET MATHEW 5% DAARVAN BETAAL NA SY WERK AFGEHANDEL WAS. DANKIE, MY PROFEET.
SKAKEL PROPHET MATHEW 071 893 3351

Nuwe profeet in Kimberley
Hierdie is 'n ware verhaal. Ek ly al vir so lank, werk hard en het selfs valse dokters gaan sien om finansiële te help. Hulle het egter net my geld ingesluk sonder enige verandering in my lewe. Sedert ek egter vir profeet Ricardo ontmoet het, het alles in my lewe verander. Hy het my baie opsies gegee, maar ek het gekies om R5 miljoen in my huis te plaas. Binne 1 dag was ek verras om die geld in my slaapkamer te sien. Ek het hom slegs 5% as 'n donasie betaal en dit dieselfde dag begin gebruik. Baie dankie profeet Ricardo. 0630650240

wikkeling van Minerale en Petroleum Hulpbronne (Wet Nr. 28 van 2002) (hierna MPRDA); en
• Die Nasionale Waterwet (Wet Nr. 36 van 1998) (hierna NWA).
PROJEK-OORSIG:
Die Vaal Gamagara Streek Watervoorsiening Skema (hierna VGRWSS) in die Noord-Kaapse Provinsie is voltooi in 1968. Water word vanaf Delportshoop by die Vaalrivier (60 km noord-wes van Kimberley) via Postmasburg na die ystererts myne in Kathu oorgedra deur die bestaande skema. Van daar af lewer 'n pyplyn verder water aan die mangaan myne by Hotazel en uiteindelik tot by Black Rock. Die bestaande skema word teen volle kapasiteit bedryf en is nie in staat om aan die toemende toekomstige waterbehoefte te voorsien nie, en om die toenemende onderbrekings in watervoorsiening te hanteer nie. Die infrastruktuur bereik ook die einde van sy bruikbare lewensduur. Sedibeng Water beplan dus om die VGRWSS op te gradeer, wat die volgende behels:
1. Meganiese en elektriese opgradering van die ont-trekkingswerke by Delportshoop;
2. Opknapping van pypwerk en herstel van geboue by die Delportshoop watersuiveringswerke;
3. Vervanging / opknapping van ongeveer 210 km van die bestaande pyplyn vanaf Delportshoop tot Olifantshoek;
4. Meganiese en elektriese opgradering van die pomp-

stasies by Delportshoop, Kneukel en Trewill; en
5. Opgradering van die Clifton en Gloucester Reservoirs, sowel as die Trewill en Kneukel Sinkputte.
Hierdie kennisgewing het slegs betrekking op die opgradering van die bestaande VGRWSS. Ander komponente van die projek, wat in die toekoms in afsonderlike assesserings behandel sal word, sluit die volgende in:
• Dit word beplan om grondwater by die volgende produksieveld gebiede te onttrek om die bestaande VGRWSS aan te vul: Bron-ontwikkelings-(BO) gebied 1 in die Danielskuil gebied; en B02 in die Postmasburg gebied;
• Verder word Konstruksiemateriaal ook benodig vanaf ongeveer 20 leengroewe wat in 10 km inter-valle langs die pyplyn beplan word.
OMGEWINGSBEPALINGS: Nema Consulting is deur Sedibeng Water aangestel om die volgende omgewingsbepalings uit te voer vir die opgradering van die bestaande VGRWSS:
1. Aansoek vir Basiese Bepaling Proses by die Departement van Omgewings, Bosbou en Visserye, ingevolge Staatskennisgewing Nr. R. 982 van 4 Desember 2014 (soos gewysig);
2. Aansoek vir waterverbruik magtigingsproses by die Departement van Menslike Nedersettings, Water en Sanitasie, ingevolge Artikel 21 van die Nasionale Waterwet (Wet Nr. 36 van 1998).
HERSIENING VAN DIE VOORLOPIGE VERSLAG: Die voorlopige Basiese Bepaling Verslag vir die opgradering van die bestaande VGRWSS sal beskikbaar gestel word vir openbare besigtiging by die volgende plekke vanaf 27 Augustus tot 30 September 2019: Plek Adres Tel. Nr. Delportshoop Biblioteek Hanekomstraat 7 Delportshoop, 8377 079 985 6533 Kgatelopele Biblioteek Du Plooystraat 222 Danielskuil, 8405 053 384 0008 Postmasburg Publieke Biblioteek Springbokstraat 13, Postmasburg 8420 053 313 7300 Olifantshoek Publieke Biblioteek Van Riebeecken Lanhamstraat Olifantshoek, 8450 053 331 0002 Lime Acres Publieke Biblioteek Adamsrylaan 2, Lime Acres, 8410 053 385 0602 Die voorlopige verslag kan ook afgelaai word op die volgende webblad: <http://www.nemai.co.za/environmental.html>
OPENBARE VERGADERINGS: Die volgende openbare vergaderings sal gehou word om die voorlopige Basiese Bepaling Verslag vir die opgradering van die bestaande VGRWSS te bespreek:
3 September 2019 Delportshoop Richetts Saal (Boere Saal),

Klub Sirkel Ulco (28°19'48.2"S 24°12'52.6"E) 09h30 - 12h00
Postmasburg Postmasburg NG Kerk Duikerstraat 22 Postmasburg (28°19'57.2"S 23°04'01.0"E) 14h30 - 17h00
4 September 2019 Olifantshoek Diepkloof Gemeenskap-saal, Hoek van Ipeleng- & Ikanyengstraat Olifantshoek (27°57'19.3"S 22°44'58.8"E) 09h30 - 11h30
Danielskuil Kgatelopele Munisipale Stadsaal Barkerstraat 222 Danielskuil (28°10'57.8"S 23°32'48.1"E) 14h00 - 16h30
KONTAKBESONDERHEDE VAN OMGEWING-BEPALINGSPRAKTIJSYN: Kontakpersoon: Tel: Faks: E-pos: Posadres: Donavan Henning (011) 781 1730 (011) 781 1731 donavanh@nemai.co.za Posbus 1673, Sunninghill, 2157

BOEDELKENNISGEWINGS
BOEDELKREDITEURE EN DEBITEURE 4201

KENNISGEWING AAN KREDITEURE IN BESTORWE BOEDEL: GEOFFREY VIVIERS MEESTER SE VERWYSING: 2491/2019
IN DIE BOEDEL VAN WYLE GEOFFREY VIVIERS IDENTITEITSNOMMER: 480727 5051 08 8 EN LANGSLEWENDE GADE: MAGDALENA GETRUIDA JOHANNA VIVIERS IDENTITEITSNOMMER: 490531 0030 08 1 VAN : ZIETSMANSTRAAT 9 KIMBERLEY 8301 MEESTER SE VERWYSING: 2491/2019. ALLE PERSONE met vordering teen die bovermelde boedel moet dit binne 30 (DERTIG) dae vanaf datum van publikasie hiervan by die betrokke Eksekuteur inlewer. H P A VENTER Eksekuteur DUNCAN & ROTHMAN Prokureurs vir Eksekuteur Kantoor 69, Suite 1 Eerste Vloer North Cape Mall Jacobus Smitstraat 31 KIMBERLEY 8301 Verw: HV/gp/VIV19/0001

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Noordkaap and Media24 do not accept any liability whatsoever in respect of any of the services or goods advertised.

APPENDIX F4

COMMENTS AND REPLY FORMS RECEIVED

PLEASE NOTE:

***THIS APPENDIX ONLY INCLUDES COMMENTS AND REPLY FORMS RECEIVED PERTAINING TO THE
VGRWSS-II: UPGRADING OF THE EXISTING SCHEME COMPONENT***

***COMMENTS AND REPLY FORMS RECEIVED PERTAINING TO THE SD1 AND SD2 GROUNDWATER
ABSTRACTION COMPONENT WILL BE INCLUDED IN A SEPARATE BASIC ASSESSMENT REPORT***

From: Takalani Khorombi <Takalani.Khorombi@dmr.gov.za>
Sent: 26 August 2019 17:06
To: Donovan Henning <DonavanH@nema.co.za>
Subject: RE: 10689-VGRWSS-II: Upgrading of Existing Scheme - Authorities Notification of Review of Draft Basic Assessment Report, Authority Meeting and Site Visit

Good day,

Hereby receipt of the above mentioned document.

Regards,
Takalani

From: Donovan Henning [<mailto:DonavanH@nema.co.za>]
Sent: Monday, August 26, 2019 3:49 PM
Subject: 10689-VGRWSS-II: Upgrading of Existing Scheme - Authorities Notification of Review of Draft Basic Assessment Report, Authority Meeting and Site Visit

PROPOSED VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME PHASE 2: UPGRADE OF THE EXISTING SCHEME

Notice of Review of Draft Basic Assessment Report, Authorities Meeting and Site Visit

Notice is hereby given in terms of the following:

- The Environmental Impact Assessment (EIA) Regulations of 2014 (as amended), in terms of the National Environmental Management Act (Act No. 107 of 1998) (NEMA);
- The Mineral and Petroleum Resources Development Act (Act No. 28 of 2002) (MPRDA); and
- The National Water Act (Act No. 36 of 1998) (NWA).



Wed 04/09/2019 03:25 PM

Ciaran Chidley

FW: Klimaatsverandering

To: Donovan Henning

You forwarded this message on 06/09/2019 07:42 AM.

Message A Vulnerability Index for the Northern Cape Province_draft_V3.pdf NC PROJECTIONS_ VA 18042016.pdf

From: Gert Faber [<mailto:gert@glenross.co.za>]

Sent: Wednesday, September 4, 2019 3:23 PM

To: Nemaï Info <Info@nemaï.co.za>

Subject: FW: Klimaatsverandering

Kan julle asb hierdie deurgee vir Donovan soos bespreek met hom gister op Ulco.

Baie dankie

Gert Faber

From: Gert Faber <gert@glenross.co.za>

Sent: Friday, 03 June 2016 12:54 PM

To: 'Klasie Jacobs' <katlani@douglas.co.za>

Subject: Klimaatsverandering

Oom Klasie

Ek het hierdie inligting gekry.

Baie dankie

Gert Faber



Wed 28/08/2019 11:04 AM

Johan Kotze <johan.kotze@floradaleboerdery.co.za>

RE: 10689-VGRWSS-II: Upgrading of Existing Scheme - Registered IAPs Notification of Review of Draft Basic Assessment Re

To: Donovan Henning

Cc: 'Coenraad Kotzé'; Willie Uys; jim@jimbo.co.za

You forwarded this message on 29/08/2019 08:06 AM.

Message

RE: Proposed Upgrade of Vaal Gamagarra Regional Water supply Scheme Phase 2 - Reply form

Proposed Upgrade of Vaal Gamagarra Regional Water supply Scheme Phase 2 - Reply form

Dag Donovan

My eerste reaksie is, wat julle doen skreeu ten hemele!

Vind asb my insette wat ek aan jou gelwer het , met erkenning van oontvangs, en dit is nie ingesluit in die kommentaar nie. Hoeveel meer mense se inligting is wetend of onwetend uitgesluit, hoe sal ons weet?

Dit maak my selfs meer bekommerd oor die hantering van die proses en hoeveel aandag regtig aan die omgewings aspekte gegee word.

- 1) In die betrokke "Draft BAR" word die ontrekking van water by SD1 & SD2 spesifiek uitgesluit, want dit sal in 'n volgende "BAR" hanteer word, bring dit asb duidelik aan in die nuwe insette.
- 2) In Aanhangsel E – Agtergrond inligtings document, dui u op bladsy 7 aan waar u trek met die proses. Volgens my impliseer dit dat Nema reeds daar trek met die SD1 en SD2 ontwikkelings ook, stel die onduidelikheid asb reg in die kommentaar.
- 3) In aanhangsel E (laaste blad) - Jy kan asb my en Conraad se vanne regmaak op IAP lys. Dit lees tans Kstes, dit moet asb lees Kotze
- 4) 'n Punt wat asb nog ingesluit moet word wanneer begin werk word met SD! En SD2 as versoek van my as IAP, is dat 'n spesialis studie oor die grondwater balans gedoen moet word vir elk van die opvangsgebiede, die resultate op die gevraagde publieke webtuiste aangebring en minstens 6 maandeliks opgedateer word tydens die bedryf van die stelsel.
- 5) In the DEA application, you mention that the pipeline can only take 15 million M³ per annum and Sedibeng supply 28 million M³ per annum, which I suppose corresponds with the demand. The pipe design can only be accepted if is designed to accommodate the 28 million M³ per annum, otherwise it is lip service to stop an SD site when the water level drop below the intent, or Kolomela and Sishen stop mining operations after Life of Mine (because they can only supply water according to their license for safe mining) No SD site can be considered for approval if this design capacity of the pipeline is not met with this upgrade.

Sien dit asb as verdere insette van my as IAP.

Kontak my gerus waar iets nie sin maak nie.

Groete

Johan Kotze

Project Manager (PMP)



Thu 29/08/2019 06:14 AM

Donovan Henning

FW: 10689-VGRWSS-II: Upgrading of Existing Scheme - Authorities Notification of Review of Draft Basic Assessment Report

To: Christian Van Der Hoven

Message

40.8.14.2-NC-145-1.pdf

Sent: 27 August 2019 11:02

To: Donovan Henning <DonovanH@nemai.co.za>

Subject: RE: 10689-VGRWSS-II: Upgrading of Existing Scheme - Authorities Notification of Review of Draft Basic Assessment Report, Authority Meeting and Site Visit

Dear Mr. Henning

Thank you for the hardcopy and CD of the report that was couriered to my office. Please accept my apology for the Authorities meeting. I have other commitments on the same date. Attached please find comments on the draft Basic Assessment Report from Forestry.

Kind Regards,

Jacoline Mans

Chief Forester: NFA Regulation

Directorate: Forestry Management (Other Regions)

Department of Agriculture, Forestry and Fisheries

Tel (054) 338 5909; Cell 060 973 1660 or 082 808 2737

Web: www.daff.gov.za

E-mail: JacolineMa@daff.gov.za



agriculture,
forestry & fisheries

Department:
Agriculture, Forestry and Fisheries
REPUBLIC OF SOUTH AFRICA



Thu 29/08/2019 06:19 AM

Donavan Henning

FW: 10689-VGRWSS-II: Upgrading of Existing Scheme - Authorities Notification of Review of Draft Basic Assessment Report

o Christian Van Der Hoven

Click here to download pictures. To help protect your privacy, Outlook prevented automatic download of some pictures in this message.

From: Natasha Higgitt <nhiggitt@sahra.org.za>

↑ Next

↓ Previous

Sent: 26 August 2019 16:13

To: Donavan Henning <DonavanH@nemai.co.za>

Subject: RE: 10689-VGRWSS-II: Upgrading of Existing Scheme - Authorities Notification of Review of Draft Basic Assessment Report, Authority Meeting and Site Visit

Good afternoon,

Please note that all development applications are processed via our online portal, the South African Heritage Resources Information System (SAHRIS) found at the following link: <http://sahra.org.za/sahris/>. We do not accept emailed, posted, hardcopy, faxed, website links or DropBox links as official submissions.

Please create an application on SAHRIS and upload all documents pertaining to the Environmental Authorisation Application Process. As per section 38(8) of the National Heritage Resources Act, Act 25 of 1999 (NHRA), an assessment of heritage resources must form part of the process and the assessment must comply with section 38(3) of the NHRA.

Once all documents including all appendices are uploaded to the case application, please ensure that the status of the case is changed from DRAFT to SUBMITTED. Please ensure that all documents produced as part of the EA process are submitted as part of the application, and are submitted to SAHRA at the beginning of the Public Review periods. Once all these documents have been uploaded, I will be able to issue an informed comment as per section 38(4) and 38(8) of the NHRA.

Kind regards,

From: Sakkie van Niekerk <Sakkie.vanNiekerk@assmang.co.za>

Sent: Tuesday, August 27, 2019 7:16 AM

To: Donovan Henning <DonavanH@nema.co.za>

Subject: RE: 10689-VGRWSS-II: Upgrading of Existing Scheme - Registered IAPs Notification of Review of Draft Basic Assessment Report and Public Meetings

Hi Donovan

I see you already plan a second meeting and I am still waiting for questions answered during the first meeting.

Can you please give feedback.

Regards

Sakkie

From: Donovan Henning [<mailto:DonavanH@nema.co.za>]

Sent: Monday, 26 August 2019 16:00

Subject: 10689-VGRWSS-II: Upgrading of Existing Scheme - Registered IAPs Notification of Review of Draft Basic Assessment Report and Public Meetings

**NOTICE OF REVIEW OF DRAFT BASIC ASSESSMENT REPORT AND
PROPOSED VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME
UPGRADING OF THE EXISTING SCHEME**

Notice is hereby given in terms of the following:

- The Environmental Impact Assessment (EIA) Regulations of 2014 (as amended), in terms of the National Environmental M




Wed 04/09/2019 07:52 AM

Sakkie van Niekerk <Sakkie.vanNiekerk@assmang.co.za>

RE: 10689-VGRWSS-II: Upgrading of Existing Scheme - Registered IAPs Notification of Review of Draft Basic Assessment Re

To: Donovan Henning

 You replied to this message on 09/09/2019 06:43 AM.

Hi Donovan

I could not make yesterday's meeting. I am worried about the fact that it was mentioned in the meeting that they will replace the pipe from the river with a similar pipe. Previous studies showed the cost of upgrading to be the biggest concern and not the water in the river. On the previous meeting you mentioned that to extract more water from the river was not investigated. This should be done properly to make sure about the size of the pipe. With the current scenario it is clear that the decision was made long ago to extract the groundwater and not to try and bring more water from the river. With the amount of money already spend on the boreholes and specific designed upgrade on the line to accommodate the borehole pumping I believe the writing is on the wall and you quickly run through the normal legalities. I will have a bit more trust in the project if it allow for more water from the river.

Regards
Sakkie

From: Donovan Henning [<mailto:DonovanH@nemai.co.za>]

Sent: Tuesday, 27 August 2019 11:30

To: Sakkie van Niekerk <Sakkie.vanNiekerk@assmang.co.za>

Cc: Christian Van Der Hoven <ChristianVdH@nemai.co.za>; nmkhosana@nmenvironmental.co.za

Subject: RE: 10689-VGRWSS-II: Upgrading of Existing Scheme - Registered IAPs Notification of Review of Draft Basic Assessment Report and Public Meetings

Hi Sakkie

Thank you for your email.

The meetings planned for next week only pertain to the proposed upgrading of the existing scheme, not to the proposed groundwater abstraction.

The EIA for the proposed groundwater abstraction at SD1 and SD2 is being undertaken separately, and we are still in the process of addressing all the concerns raised during our engagements in the Announcement Phase. These concerns and the responses from the relevant members of the project team will be captured in a Comments and Responses Report, which will be appended to the Basic Assessment Report for SD1 and SD2. We will also notify you when the draft of the aforementioned report has been lodged for public review and the dates of the related public meetings.

Regards
Donovan Henning

Nemai Consulting
Tel : (011) 781 1730



Fri 30/08/2019 12:21 PM

Chris Schutte (CEJ) <SchutCE5@telkom.co.za>

CKTU0334-19 (CKTU0581-17) 10025/C7/Wayleaves

To: Donovan Henning

Cc: Vivian Groenewald (VR)

Message

CKTU0334-19 COVER LETTER TO AUTH.pdf

CKTU0334-19 UPDATED SKETCHES.pdf

Good day

With reference to your above- mentioned application, I hereby confirm that the proposed work installation is approved by our Client (Openserve) in terms of Section 29 of the Electronic Communications Act No. 36 of 2005 as amended.

Our Client (Openserve)'s infrastructure is affected by this proposal and the route is marked in **Green** on attached sketch as accurately as possible. **We did our utmost to ensure that we indicate our route as accurate as possible and should you discover any of our cables that is not on the sketch please stop and contact us immediately to arrange a site meeting. In the event that our cables are exposed and damaged/stolen by a third party the damages will be repaired at the customer's account. Please make use of pilot holes in order not to damage our infrastructure.** Therefore any damages occurred during construction of work will be repaired at the customer's account.

On completion of this project, please certify that all requirements as stipulated in this letter have been met. Please note that should any of our Client (Openserve) infrastructure has to be relocated or altered as a result of your activities the cost for such alterations or relocation will be for your account in terms of section 25 of the Electronic Communications Act.

Mr Vivian Groenewald at telephone number **081 362 6738**. **Two (2) weeks prior to commencement of proposed work. It's important that all services are shown on site before construction starts.**

Kind regards

Chris Schutte
Mvelaphande Trading
SchutCE5@telkom.co.za
083 779 3718



Thu 29/08/2019 01:23 PM

Ciaran Chidley

FW: 10689-VGRWSS-II: Upgrading of Existing Scheme - Notice of Review of Draft Basic Assessment Report and Public Mee

To Christian Van Der Hoven

You replied to this message on 16/09/2019 11:40 AM.

Message

10689-20190826-Comment Sheet.pdf

10689-20190826-Kommentaarblad.pdf

From: Keneuwe Mabe Transnet Property BLM [<mailto:keneuwe.Mabe@transnet.net>]

Sent: Thursday, August 29, 2019 12:01 PM

To: Nemai Info <Info@nemai.co.za>

Subject: FW: 10689-VGRWSS-II: Upgrading of Existing Scheme - Notice of Review of Draft Basic Assessment Report and Public Meetings

Good day Nemai

The Vaal Gamara Regional Supply Scheme – Delportshoop – Black Rock

According to the documents sent, there are places where the pipe runs very close to Transnet boundaries and where its actually crossing Transnet land.

Can you please send me a KML file of where this water pipe is running to enable me to accurately trace it against Transnet boundaries to make an informed decision.

Can you please also send me the KML file where the boreholes are going to be installed.

N.B. shapefiles and .dwg file are also welcomed.

Blessed day.

Regards



Keneuwe Mabe
Property Technician
Transnet Property: Geo - Spatial (Inland Region)

: 051 408 2102

: 086 2327 237 : Keneuwe.Mabe@Transnet.net




Mon 26/08/2019 04:05 PM

willem <willem@amggroup.co.za>

Re: 10689-VGRWSS-II: Upgrading of Existing Scheme - Notice of Review of Draft Basic Assessment Report and Public Meet

To: Donovan Henning

 If there are problems with how this message is displayed, click here to view it in a web browser.
Click here to download pictures. To help protect your privacy, Outlook prevented automatic download of some pictures in this message.

Hi Donovan
Dankie vir die kennisgewing.
Jy het nie dalk n kaart beskikbaar van die betrokke area.
Dankie lekker dag verder
Willem

Sent from my Samsung Galaxy smartphone.

----- Original message -----

From: Donovan Henning <DonovanH@nema.co.za>

Date: 2019/08/26 15:55 (GMT+02:00)

To:

Subject: 10689-VGRWSS-II: Upgrading of Existing Scheme - Notice of Review of Draft Basic Assessment Report and Public Meetings

NOTICE OF REVIEW OF DRAFT BASIC ASSESSMENT REPORT AI

PROPOSED VAAL GAMAGARA REGIONAL WATER SUPPLY SCHE

UPGRADING OF THE EXISTING SCHEME



Posbus 1873
SUNNINGHILL
2157

147 Bram Fischer Rylaan
Ferndale
2194

Tel: (011) 781 1730
Faks: (011) 781 1731
Epos: donavanh@nemaico.za

VOORGESTELDE OPGRADERING VAN DIE VAAL GAMAGARA WATERVOORSIENING SKEMA FASE 2

KOMMENTAARBLAD – Voorlopige Basiese Bepaling Verslag

Amptelike
Gebruik

Datum ontvang:

Ons verwysing:

Status:

1) ALGEMENE INLIGTING

Organisasie se Naam: <i>(indien toepaslik)</i>	JENNHAVEN STEERING COMMITTEE
Naam en Van:	William J. JARVIS
Posadres:	3 MARAHOOD LAAN, JENNHAVEN
Fisiese Adres: <i>(dui asb. volle plaasnaam aan, indien toepaslik)</i>	Suos 60
Telefoon-nommer:	
Selfoon-nommer:	082 454 6753
Faks-nommer:	
e-posadres:	william.jarvis33@gmail.com
Manier waarop toegang tot verslag verkry was <i>(bv. webblad, biblioteek):</i>	Web

Handtekening

Datum

03.09.2019



agriculture, forestry & fisheries

Department:
Agriculture, Forestry and Fisheries
REPUBLIC OF SOUTH AFRICA

Directorate: Forestry Management (Other Regions)
P.O. Box 2782, Upington, 8800, Tel 054 338 5909, Fax 054 334 0030

Enquiries: J Mans
E-mail: JacolineMa@daff.gov.za
Date: 27 August 2019
Ref: 40.8.14.2/NC/145/1

Nemai Consulting
P.O. Box 1673
Sunninghill
2157

Attention: Mr. Donovan Henning (DonovanH@nemai.co.za)

COMMENTS ON DRAFT BASIC ASSESSMENT REPORT OF THE PROPOSED VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME PHASE 2: UPGRADING OF EXISTING SCHEME, NORTHERN CAPE PROVINCE


The Directorate: Forestry Management (Other Regions) in the Department of Agriculture, Forestry and Fisheries (DAFF) would like to make the following comments in addition to earlier comments on the Background Information Document dated 5 April 2019:

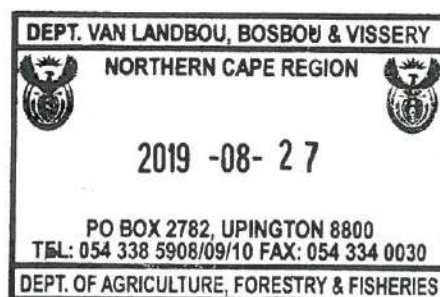
- 1.1 The proposed development footprint is traversing Critical Biodiversity Areas (CBA) and Ecological Support Areas (ESA's). The Department issued licenses for Phase 1 (upgrading from Roscoe Reservoir to Black Rock) and is assessing cumulative impacts on protected trees. Clearing and trench excavation is likely to have additional impacts on protected trees that cannot be avoided during phase 2. The previous licenses issued for phase 1 must be fully complied with, before new licenses can be granted.
- 1.2 Phase 2 will consist of a 210 km pipeline construction from Delportshoop via Postmasburg to Olifantshoek, traversing numerous vegetation types. The EIA study area included 80 meter corridor (40 m on either side of the centre line) for the pipeline. It should be noted that the DAFF will not permit clearance of the full 80 meter corridor. Page 144 (Wetland Assessment specialist) recommended under control measures for site clearing and preparation that the disturbance footprint be restricted to 25 m on either side of the proposed pipeline route, but in arid regions clearance of 1050 ha (50 m x 210 km) is significant and can contribute to environmental degradation and desertification. The DAFF internal guidelines on issuing of licenses for construction of linear infrastructure, restrict vegetation clearance to a maximum of 4 meters on either side of the centre line. **Therefore, when applying for a license please indicate the minimum width of clearance required to facilitate construction, as the Department cannot grant a license for clearance of 50 meters, if less is required for construction purposes.**

- 1.3 The report stated that permanent as well as temporary (construction period) access roads are required for the project. All possible efforts must be made to avoid slow growing protected trees for construction of temporary facilities, especially large *Boscia albitrunca* trees known to be hundreds of years old in the Lime Acres and Postmasburg districts, in the Ghaap Plateau vegetation type. Impacts on the woodland of provincially protected Wild Olive *Olea europaea* subsp. *africana* trees must be avoided/minimised as far as possible.
- 1.4 Phase 2 will be divided into ten sub-projects. The Department recommends that license applications be submitted per sub-project, to avoid under-estimation of impacts on protected trees. Forest Act Licenses are issued for a maximum period of validity of 2 years. The expected completion date of the project is in February 2024 and the Department cannot issue a license for a 5-year period, therefore a phased approach would be better. It can take up to 30 days to get a Forest Act License, therefore applications must be submitted at least 2 months prior to construction to allow sufficient time for the processing of such applications.
- 1.5 Page 148 of the draft BAR stated that establishment of trees within the pipeline servitude will not be allowed as roots may compromise the stability of the pipeline. As already mentioned, the Department cannot permit removal of all trees in the corridor/servitude, especially in CBA's, ESA's, river crossings and rocky outcrops which are regarded as sensitive areas, as it may cause severe soil erosion and other problems. The Department therefore recommends that a product such as bio-barrier be installed with the pipeline. A one-time installation of bio-barrier root control system means years of security from roots growing where they're not wanted and protecting the pipeline from any tree roots.
- 1.6 New plant species were recently discovered in the Groenwaterspruit area; in the rocky outcrops of Postmasburg there are many provincially protected plant species not mentioned in the Terrestrial Ecological Impact Assessment Report, species that may be encountered such as *Lithops* spp. and *Nymania capensis* to name but a few. Extra care should be taken in these areas and search and rescue should not be restricted to *Boophone disticha*, but all species that are protected and can be easily and successfully relocated.
- 1.7 The development footprint must be clearly demarcated and vegetation removal must be restricted to areas permitted in terms of licenses and permits issued by regulating authorities.
- 1.8 No indication was given of the anticipated impacts on NFA listed protected tree species (numbers of trees per species). One species known to occur in the study site is Grey Camel thorn, *Vachellia haematoxylon*. The chances are very good that some Grey Camel thorn trees may be encountered, but it was not mentioned.

Thank you for the opportunity to comment on the Draft Basic Assessment Report.

Kind Regards,


Jacoline Mans (Chief Forester: NFA Regulation)
DATE: 27/08/2019





environmental affairs

Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

Private Bag X 447· PRETORIA · 0001· Environment House · 473 Steve Biko Road, Arcadia · PRETORIA

DEA Reference: 14/12/16/3/3/1/2062
Enquiries: Ms Bongeka Mtyana
Tel: 012 399 9376 E-mail: BMtyana@environment.gov.za

Donavan Henning
Nemai Consulting
P.O Box 1673
SUNNINGHILL
2157

Tel: 011 781 1730
Email: donavanh@nemai.co.za

PER EMAIL / MAIL

Dear Sir/Madam

ACKNOWLEDGEMENT OF RECEIPT OF THE NEW APPLICATION FOR ENVIRONMENTAL AUTHORISATION (BASIC ASSESSMENT PROCESS) AND BASIC ASSESSMENT REPORT FOR THE PROPOSED VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME PHASE 2: UPGRADING OF THE EXISTING SCHEME, NORTHERN CAPE PROVINCE

The Department confirms having received the Application for Environmental Authorisation and Draft Basic Assessment Report for the abovementioned project on 26 August 2019. You have submitted these documents to comply with the Environmental Impact Assessment (EIA) Regulations, 2014, as amended.

Please take note of Regulation 40(3) of the EIA Regulations, 2014, as amended, which states that potential Interested & Affected Parties, including the Competent Authority, may be provided with an opportunity to comment on reports and plans contemplated in Regulation 40(1) of the EIA Regulations, 2014, as amended, prior to the submission of an application but must be provided an opportunity to comment on such reports once an application has been submitted to the Competent Authority.

Note that in terms of Regulation 45 of the EIA Regulations, 2014, as amended, this application will lapse if the applicant fails to meet any of the time-frames prescribed in terms of these Regulations, unless an extension has been granted by the Department in terms of Regulation 3(7) of the EIA Regulations, 2014, as amended.

You are hereby reminded of Section 24F of the National Environmental Management Act, Act No. 107 of 1998, as amended, that no activity may commence prior to an Environmental Authorisation being granted by the Department.

Kindly quote the abovementioned reference number in any future correspondence in respect of the application.

Yours sincerely



Mr Sabelo Malaza

Chief Director: Integrated Environmental Authorisations

Department of Environmental Affairs

Letter signed by: Mr. Rhulani Kubayi

Designation: Control Environmental Officer Grade B: UIEM Systems & Tools Coordination.

Date: 28 August 2019

CC:	Mr Hasenjager I.M	Sedibeng Water	Email: ihasenjager@sedibengwater.co.za
	Dineo Moleko	Northern Cape Department of Environment and Nature Conservation (DENC)	Email: dmoleko@ncpg.gov.za
	Mr Odirile August	Dikgatlong Local Municipality	Email: odierileaugust@gmail.com
	Thulagyno Bannette	Kgatelopele Local Municipality	Email: techmanager@kgatelopele.gov.za
	H. Mathobela	Tsantsabane Local Municipality	Email: mmsec@tsantabane.gov.za



water & sanitation

Department:
Water and Sanitation
REPUBLIC OF SOUTH AFRICA

Northern Cape Provincial Operations, Private Bag X6101, Kimberley 8300; 28 Central Road, Beaconsfield, Kimberley. 8301

Enquiries: P. Msimango

Telephone: (053) 836 7649

Reference: 16/2/7/D73A/1068/1

Nemai Consulting (on behalf Sedibeng Water Board)

P. O. Box 1673

Sunninghill

2157

BY REGISTERED MAIL

Attention: Donovan Henning

RE: BASIC ASSESSMENT REPORT FOR PROPOSED UPGRADE OF THE VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME ON VARIOUS PROPERTIES, IN THE LOWER VAAL BUSINESS UNIT OF THE VAAL PROTO-CATCHMENT MANAGEMENT AGENCY, NORTHERN CAPE PROVINCE

1. BACKGROUND

The Department of Water and Sanitation (from herein referred to as the Department or DWS) received a draft Basic Assessment Report for the proposed upgrading of the Vaal Gamagara Water Supply Scheme Phase 2, requesting comment. The activity is to take place on the various properties, from Delportshoop to Olifantshoek, Danielskuil and Postmasburg. The document was then reviewed with reference to the National Water Act (Act No. 36 of 1998) and the following are the comments;

As mentioned in the report, the Department takes note that the proposed activity at the above mentioned locations will include:

1. Mechanical and electrical upgrading of the abstraction works at Delportshoop;
2. Refurbishment on pipe work and repairs to buildings at the Delportshoop water treatment works;
3. Replacing / refurbishing approximately 210km of the existing pipeline from Delportshoop to Olifantshoek;
4. Mechanical and electrical upgrading of the pump stations at Delportshoop, Kneukel and Trewill;
5. Upgrading of the Clifton and Gloucester Reservoirs, as well as the Trewill and Kneukel Sumps;
6. Burrow pits located at 10km intervals along the pipeline;



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RE: BASIC ASSESSMENT REPORT FOR PROPOSED UPGRADE OF THE VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME ON VARIOUS PROPERTIES, IN THE LOWER VAAL BUSINESS UNIT OF THE VAAL PROTO-CATCHMENT MANAGEMENT AGENCY, NORTHERN CAPE PROVINCE

7. Additional groundwater abstraction

Kindly take note that there is no record of a water use licence application submitted to the Department however, a pre-consultation session held with the Department. It is important to note that the burrow pits was never mentioned as part of the pre-consultation session.

2. Distance from the water course

Please note that our Department rates all perennial and non-perennial rivers together with all dry river beds and natural drainage and associated riparian areas extremely sensitive to development. An option of developing furthest away from the all water course would be the preferred option.

Please note that no development should be done within 100 m or 1:100 year flood line of any water course and 500m of wetlands without authorisation from our Department. The water courses should be delineated in order to provide appropriate buffer to maintain such water course. The delineation should be done according to the appropriate Department of Water and Sanitation's delineation document.

The construction camp shall not be located within the 1:100 year flood line or within 100 meters whatever is the greatest from any watercourse. Operation and storage of equipment within the riparian zone must be limited as far as possible.

Vehicles and other machinery must be serviced well above the 1:100 year flood line or within a horizontal distance of 100 meters from any watercourse or estuary. Oils and other potential pollutants must be disposed off at an appropriate licensed site, with the necessary agreement from the owner of such a site.

3. Storm Water management

Any storm water must be diverted from the construction works and roads and must be managed in such a manner as to disperse runoff and to prevent the concentration of storm water flow. Where necessary, works must be constructed to attenuate the velocity of the storm water discharge and to protect the banks of the watercourse. Storm water control works must be constructed, operated and maintained in a sustainable manner throughout the project.

Increased runoff due to vegetation clearance and/or soil compaction must be managed, and steps must be taken to ensure that storm water does not lead to bank instability and excessive levels of silt entering the watercourse. Storm water leaving the construction site must in no way be contaminated by any substance, whether such substance is a solid, liquid, vapour or gas or a combination thereof which is produced, used, stored, dumped or spilled on the premises.

4. Invasive alien vegetation

Vegetation must be monitored and managed on an on-going basis during construction and operation. Alien vegetation must not be allowed to further colonise the area, and all new

RE: BASIC ASSESSMENT REPORT FOR PROPOSED UPGRADE OF THE VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME ON VARIOUS PROPERTIES, IN THE LOWER VAAL BUSINESS UNIT OF THE VAAL PROTO-CATCHMENT MANAGEMENT AGENCY, NORTHERN CAPE PROVINCE

alien vegetation recruitment must be eradicated or controlled, using standard methods approved by the Department.

5. Design and layout

A detailed layout plan needs to be submitted to our Department showing all the facilities in the proposed development, distance from the any watercourses and bathroom facilities.

Details of the final design must also be supplied as soon as a decision has been made, as the details of this factor may influence the environmental impact both during the construction and operational phases of the project.

6. Construction

Material with pollution generating potential must be limited in any construction activities. Any hazardous substances must be handled according to the relevant legislation relating to transport, storage and use of the substance.

Any spillage of any hazardous materials including diesel that may occur during construction and operation must be reported immediately to our Department.

7. Waste Management

Rubbish bins and Enviro loose/mobile toilets must be there and enough for the people on site during construction. A letter of consent from a registered waste facility to allow contractor to empty the toilet facility at their sewer system should be submitted to our department.

All sewage, grey and wash water, as well as any waste generated during the construction phase of the facilities will be collected, contained and disposed of at the permitted and / or licensed facilities of the Local Authority and this must please be confirmed in writing by the local authority.

8. Rehabilitation

Soils that have become compacted through the activities of the development must be loosened to an appropriate depth to allow seed germination. The necessary erosion prevention mechanisms must be employed to ensure the sustainability of all structures and activities and to prevent in-stream sedimentation. Rehabilitation remains the sole responsibility of the applicant and the Department.

9. Water use entitlement

The Department notes that the applicant has not submitted a request for a water use authorisation from our Department. There has however a consultation session where the applicant was notified of the process to be followed and specialist reports requirements.

RE: BASIC ASSESSMENT REPORT FOR PROPOSED UPGRADE OF THE VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME ON VARIOUS PROPERTIES, IN THE LOWER VAAL BUSINESS UNIT OF THE VAAL PROTO-CATCHMENT MANAGEMENT AGENCY, NORTHERN CAPE PROVINCE

Please be informed that engaging in water use activities (which includes the abstraction of water, disposal of sewage, construction activities within the riparian habitat or within the watercourse, etc) is unlawful without necessary authorisation from our Department.

10. Issues to take into consideration

The applicant is to submit an Environmental Impact Assessment and it should take the following issues into consideration:

- a) Should the project continue; a site visit and pre consultation meeting must be conducted by a DWS official with the applicant, which will be followed by an application for Water Use Authorisation (proof of consultation and submission of an application). This must be submitted to DWS in terms of the National Water Act, 1998 (Act 36 of 1998) before any construction activities take place. The water use licence application should include the following (amongst other things):
 - i. Fully completed application forms. The water uses that will possibly be triggered are section 21 (a), (b), (c) and (i) in terms of the National Water Act (Act 36 of 1998). These forms for the various water uses are available on the Department of water and Sanitation's website (<https://www.dws.gov.za/Projects/WARMS/Licensing/licensing1.aspx>) or upon request;
 - ii. Registration fee (R115) and proof of payment;
 - iii. Certified copy of the representative's id, company registration information;
 - iv. Copy of the property title deed;
 - v. Copy of the property zoning document;
 - vi. Letter of consent from land owner if the applicant is not the land owner;
 - vii. A copy of 1:50 000 topographic map / 1:10 000 indicating map name number of farm boundaries including subdivision;
 - viii. Approved EMP, Water Quality Management Report, Geohydrological Report; with Overall Water Balance;
 - ix. Wetland Delineation Report, assessment of 1:100 year floodline, Stormwater management;
 - x. A scientifically determined buffer would need to be determined between the development and the wetland;
 - xi. Signed Design Drawings and Engineer Report (storm water trenches, wastewater treatment facility, onsite sanitation etc), designed by ECSA registered Engineer;

RE: BASIC ASSESSMENT REPORT FOR PROPOSED UPGRADE OF THE VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME ON VARIOUS PROPERTIES, IN THE LOWER VAAL BUSINESS UNIT OF THE VAAL PROTO-CATCHMENT MANAGEMENT AGENCY, NORTHERN CAPE PROVINCE

- xii. Environmental Impact Assessment Report and Environmental Authorisation/RoD From Environmental Affairs;
 - xiii. Public Participation Correspondence (notice proof and minutes from meeting);
 - xiv. Section 27 (1) of NWA of 1998 No. 36 and proof of BBBEE status;
 - xv. Service level agreement with waste collector (sewage, domestic and oil) and water services provider during construction;
 - xvi. Water Supply and water demand analysis; and
 - xvii. Clearance Letter from Land Claim
- b) The Environmental Management Programme (EMP)/EIA must clearly show all water courses as defined in the National Water Act, 1998 (Act 36 of 1998) as well as the delineation 1:100 year flood lines. No activity may occur within the 1:100 year flood line of a river/drainage lines without authorisation. No activity may occur within the 500 metres of a pan/wetland (perennial/non perennial) without authorisation.
- c) The EMP/EIA must clearly show the methods for collecting, storing, transporting and finally disposing of all waste products produced as well as the responsible and accountable persons. This includes written consent from the relevant accredited waste disposal site/ sewage disposal/ oil disposal in handling the waste. All applicable sections of the National Environmental Management: Waste Act 59 of 2008 should be strictly adhered to.
- d) The EMP/EIA must clearly identify all risks that are associated with the project that can affect the water resources in and around the project area and state all implementable measures to prevent and respond to accidents and abnormal events that may occur.
- e) The EMP/EIA must clearly show through a responsibility matrix and organogram the responsible persons for implementing the mitigation measures and reporting lines, in the event of an accident.
- f) The EMP/EIA must show in written form that the developer has made a legally binding commitment to implement the proposed mitigation measures and that these measures are not only suggestions and recommendations.
- g) The EMP/EIA must clearly show the process followed if the developer does not comply with the legal requirements of the EMP and National Water Act, 1998 (Act No 36 of 1998).

RE: BASIC ASSESSMENT REPORT FOR PROPOSED UPGRADE OF THE VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME ON VARIOUS PROPERTIES, IN THE LOWER VAAL BUSINESS UNIT OF THE VAAL PROTO-CATCHMENT MANAGEMENT AGENCY, NORTHERN CAPE PROVINCE

11. Conclusion

The Department has no objections to this activity, provided the applicant has provided proof of adherence to the above mentioned recommendations and addressed all issues contained in this letter.

Please also take note that additional water uses may be triggered because of the burrow pits excavations.

This reply does not grant any exemption from the requirements of any applicable Act, Ordinance, Regulation or By-law.

Should you have any further queries, please contact the relevant official at the number above.

Yours faithfully,

Mr. K. Masindi

PP **MR. K. MASINDI**
ACTING DIRECTOR: INSTITUTIONAL ESTABLISHMENT
DATE: 04/09/2019

CC: Mr Donovan Henning

EMAIL: donavanh@nema.co.za



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PROPOSED UPGRADING OF THE VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME PHASE 2

COMMENT SHEET – Draft Basic Assessment Report

Official use	Date received:	Our reference:	Status:

1) GENERAL INFORMATION

Name of organisation (if applicable)	ARM Ferrous
Name & Surname	Mark Bräsler
Postal Address	P.O. Box 786 136 Sandton, 2146
Physical Address <i>(please provide full farm description, if applicable)</i>	ARM, 24 Inipala Rd, Sandton
Telephone No.	011 779 1150
Mobile No.	082 453 8536
Fax No.	
Email Address	mark.bräsler@arm.co.za
Manner in which the report was accessed (e.g. website, library, etc.):	Web site. Andre Joubert was flagged as an IAP and requested this reply.

Signature

Date

2/9/2019

PROPOSED UPGRADING OF THE VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME PHASE 2 COMMENT SHEET – Draft Basic Assessment Report (BAR)

As a member of the Northern Cape Mines Leadership Forum (MLF) and being familiar with the extended Phase 1 VGGWSS work at hand, inclusive of its augmentation from mine ground water (dewatering by Sishen) and the proposed SD4 well field development, a number of observations are offered on the Phase 2 BAR with reference to the applicable page(s):

Executive Summary Page i

The reference to m³/a is incorrect as this should be Mm³/a or Mkl/a.

The current annual water supply from the VGGWSS is reported as 22 Mm³/a, whereas Sedibeng Water have publically stated this as 26 Mm³/a.

The above water supply is made up of the licensed volumes of ca 13Mm³/a from the Vaal River with the balance made up by mine ground water (dewatering) and the proposed SD1 & SD2 wellfield developments. A separate BAR process is to cover the SD wellfield developments.

The water demand from the VGGWSS is driven by a combination of Mine water demands estimated at 56% and the Social requirements preliminarily assessed at the balance of 44%.

Reference is perhaps incorrectly made to the made to the "Phase 2 Upgrading" of the VGGWSS (which may have been applicable based on the initial demands inclusive of the Botswana supply of 5Mm³/a) rather than the "Phase 2 Replacement" of the 50-year old scheme to sustain the current water demands for the next 25 years.

Executive Summary Page xi & Page 41

Access to mine properties should be approached under the Mine Health & Safety Act / MPRDA. It is recommended engagement with individual mine sites be at the earliest opportunity where construction is required on mine premises so that site specific access requirements, in compliance to prevailing mines safety requirements, may be established and adhered to from the outset (thereby avoiding unnecessary frustrations in delayed access to sites as was experienced at some mines in Phase 1).

Page 11

The 40Mm³/a demand in 2030 was reduced back to the current offtake levels of 26Mm³/a in 2017 through the exclusion of the Botswana supply of 5Mm³/a and a detailed review of the mine water demand forecasts that were assessed to remain at 15Mm³/a (56% of the demand from the VGGWSS). The remaining 44% Social component remains to be reassessed. The current supply of 26 Mm³/a was anticipated to prevail for 25 years (to 2043).

Page 15

Pipe diameters need to be sized to sustain the current and future demand (to 2043) of 26Mm³/a. It is believed that the pipe sizes indicated in the BAR may still relate to the prior 2030 demand forecast of 40Mm³/a.

Page 28

Acknowledging the likely funding constraints, the Phase 2 program needs to be prioritized to address those sections of the pipeline most at risk, alternatively those sections bottlenecking the current delivery from the VGGWSS.

The indicated 5-year program may be optimistic considering the current performance on Phase 1.

Page 94

The population data relates to 2011 and previously 2001. It is believed that data is outdated and any trends inferred from prior data may be incorrect. The population forecasts need to be critically assessed (in line with the 2017 review of the mining water demand forecasts) to support the 44% Social Component of the project.

Conclusion

The materials provided were seen to be comprehensive and availed in detail.



water & sanitation

Department:
Water and Sanitation
REPUBLIC OF SOUTH AFRICA

Northern Cape Provincial Operations, Private Bag X6101, Kimberley 8300; 28 Central Road, Beaconsfield, Kimberley, 8301

	(053) 830 8825		P. Msimango
	msimangop@dws.gov.za		(053) 836 7649
			16/2/7/D73A/1068/1

Nemai Consulting (on behalf Sedibeng Water Board)

P. O. Box 1673

Sunninghill

2157

EMAIL: donavanh@nemai.co.za

BY REGISTERED MAIL/EMAIL

Attention: Donovan Henning

RE: NOTIFICATION LETTER AND BACKGROUND INFORMATION DOCUMENT FOR PROPOSED UPGRADE OF THE VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME ON VARIOUS PROPERTIES, IN THE LOWER VAAL BUSINESS UNIT OF THE VAAL PROTO-CATCHMENT MANAGEMENT AGENCY, NORTHERN CAPE PROVINCE

1. BACKGROUND

The Department of Water and Sanitation (from herein referred to as the Department or DWS) received a notification email for the proposed upgrading of the Vaal Gamagara Water Supply Scheme Phase 2, requesting comment. The activity is to take place on the various properties, from Delpoortshoop to Olifantshoek, Danielskuil and Postmasburg. The document was then reviewed with reference to the National Water Act (Act No. 36 of 1998) and the following are the comments;

As mentioned in the report, the Department takes note that the proposed activity at the above mentioned locations will include:

1. Mechanical and electrical upgrading of the abstraction works at Delpoortshoop;
2. Refurbishment on pipe work and repairs to buildings at the Delpoortshoop water treatment works;



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RE: NOTIFICATION LETTER AND BACKGROUND INFORMATION DOCUMENT FOR PROPOSED UPGRADE OF THE VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME ON VARIOUS PROPERTIES, IN THE LOWER VAAL BUSINESS UNIT OF THE VAAL PROTO-CATCHMENT MANAGEMENT AGENCY, NORTHERN CAPE PROVINCE

3. Replacing / refurbishing approximately 210km of the existing pipeline from Delportshoop to Olifantshoek;
4. Mechanical and electrical upgrading of the pump stations at Delportshoop, Kneukel and Trewill;
5. Upgrading of the Clifton and Gloucester Reservoirs, as well as the Trewill and Kneukel Sumps;
6. Burrow pits located at 10km intervals along the pipeline;
7. Additional groundwater abstraction

Kindly take note that there is no record of a water use licence application submitted to the Department however, a pre-consultation session held with the Department. It is important to note that the burrow pits was never mentioned as part of the pre-consultation session.

2. Distance from the water course

Please note that our Department rates all perennial and non-perennial rivers together with all dry river beds and natural drainage and associated riparian areas extremely sensitive to development. An option of developing furthest away from the all water course would be the preferred option.

Please note that no development should be done within 100 m or 1:100 year flood line of any water course and 500m of wetlands without authorisation from our Department. The water courses should be delineated in order to provide appropriate buffer to maintain such water course. The delineation should be done according to the appropriate Department of Water and Sanitation's delineation document.

The construction camp shall not be located within the 1:100 year flood line or within 100 meters whatever is the greatest from any watercourse. Operation and storage of equipment within the riparian zone must be limited as far as possible.

Vehicles and other machinery must be serviced well above the 1:100 year flood line or within a horizontal distance of 100 meters from any watercourse or estuary. Oils and other potential pollutants must be disposed off at an appropriate licensed site, with the necessary agreement from the owner of such a site.

3. Storm Water management

Any storm water must be diverted from the construction works and roads and must be managed in such a manner as to disperse runoff and to prevent the concentration of storm water flow. Where necessary, works must be constructed to attenuate the velocity of the storm water discharge and to protect the banks of the watercourse. Storm water control works must be constructed, operated and maintained in a sustainable manner throughout the project.

Increased runoff due to vegetation clearance and/or soil compaction must be managed, and steps must be taken to ensure that storm water does not lead to bank instability and

RE: NOTIFICATION LETTER AND BACKGROUND INFORMATION DOCUMENT FOR PROPOSED UPGRADE OF THE VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME ON VARIOUS PROPERTIES, IN THE LOWER VAAL BUSINESS UNIT OF THE VAAL PROTO-CATCHMENT MANAGEMENT AGENCY, NORTHERN CAPE PROVINCE

excessive levels of silt entering the watercourse. Storm water leaving the construction site must in no way be contaminated by any substance, whether such substance is a solid, liquid, vapour or gas or a combination thereof which is produced, used, stored, dumped or spilled on the premises.

4. Invasive alien vegetation

Vegetation must be monitored and managed on an on-going basis during construction and operation. Alien vegetation must not be allowed to further colonise the area, and all new alien vegetation recruitment must be eradicated or controlled, using standard methods approved by the Department.

5. Design and layout

A detailed layout plan needs to be submitted to our Department showing all the facilities in the proposed development, distance from the any watercourses and bathroom facilities.

Details of the final design must also be supplied as soon as a decision has been made, as the details of this factor may influence the environmental impact both during the construction and operational phases of the project.

6. Construction

Material with pollution generating potential must be limited in any construction activities. Any hazardous substances must be handled according to the relevant legislation relating to transport, storage and use of the substance.

Any spillage of any hazardous materials including diesel that may occur during construction and operation must be reported immediately to our Department.

7. Waste Management

Rubbish bins and Enviro loose/mobile toilets must be there and enough for the people on site during construction. A letter of consent from a registered waste facility to allow contractor to empty the toilet facility at their sewer system should be submitted to our department.

All sewage, grey and wash water, as well as any waste generated during the construction phase of the facilities will be collected, contained and disposed of at the permitted and / or licensed facilities of the Local Authority and this must please be confirmed in writing by the local authority.

8. Rehabilitation

Soils that have become compacted through the activities of the development must be loosened to an appropriate depth to allow seed germination. The necessary erosion prevention mechanisms must be employed to ensure the sustainability of all structures and

RE: NOTIFICATION LETTER AND BACKGROUND INFORMATION DOCUMENT FOR PROPOSED UPGRADE OF THE VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME ON VARIOUS PROPERTIES, IN THE LOWER VAAL BUSINESS UNIT OF THE VAAL PROTO-CATCHMENT MANAGEMENT AGENCY, NORTHERN CAPE PROVINCE

activities and to prevent in-stream sedimentation. Rehabilitation remains the sole responsibility of the applicant and the Department.

9. Water use entitlement

The Department notes that the applicant has not submitted a request for a water use authorisation from our Department. There has however a consultation session where the applicant was notified of the process to be followed and specialist reports requirements.

Please be informed that engaging in water use activities (which includes the abstraction of water, disposal of sewage, construction activities within the riparian habitat or within the watercourse, etc) is unlawful without necessary authorisation from our Department. There is no indication as to how water services will be met.

10. Issues to take into consideration

The applicant is to submit an Environmental Impact Assessment and it should take the following issues into consideration:

- a) Should the project continue; a site visit and pre consultation meeting must be conducted by a DWS official with the applicant, which will be followed by an application for Water Use Authorisation (proof of consultation and submission of an application). This must be submitted to DWS in terms of the National Water Act, 1998 (Act 36 of 1998) before any construction activities take place. The water use licence application should include the following (amongst other things):
 - I. Fully completed application forms. The water uses that will possibly be triggered are section 21 (a), (b), (c) and (i) in terms of the National Water Act (Act 36 of 1998). These forms for the various water uses are available on the Department of water and Sanitation's website (<https://www.dws.gov.za/Projects/WARMS/Licensing/licensing1.aspx>) or upon request;
 - II. Registration fee (R115) and proof of payment;
 - III. Certified copy of the representative's id, company registration information;
 - IV. Copy of the property title deed;
 - V. Copy of the property zoning document;
 - VI. Letter of consent from land owner if the applicant is not the land owner;
 - VII. A copy of 1:50 000 topographic map / 1:10 000 indicating map name number of farm boundaries including subdivision;
 - VIII. Approved EMP, Water Quality Management Report, Geohydrological Report; with Overall Water Balance;

RE: NOTIFICATION LETTER AND BACKGROUND INFORMATION DOCUMENT FOR PROPOSED UPGRADE OF THE VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME ON VARIOUS PROPERTIES, IN THE LOWER VAAL BUSINESS UNIT OF THE VAAL PROTO-CATCHMENT MANAGEMENT AGENCY, NORTHERN CAPE PROVINCE

- IX. Wetland Delineation Report, assessment of 1:100 year floodline, Stormwater management;
 - X. A scientifically determined buffer would need to be determined between the development and the wetland;
 - XI. Signed Design Drawings and Engineer Report (storm water trenches, wastewater treatment facility, onsite sanitation etc), designed by ECSA registered Engineer;
 - XII. Environmental Impact Assessment Report and Environmental Authorisation/RoD From Environmental Affairs;
 - XIII. Public Participation Correspondence (notice proof and minutes from meeting);
 - XIV. Section 27 (1) of NWA of 1998 No. 36 and proof of BBBEE status;
 - XV. Service level agreement with waste collector (sewage, domestic and oil) and water services provider during construction;
 - XVI. Water Supply and water demand analysis; and
 - XVII. Clearance Letter from Land Claim
- b) The Environmental Management Programme (EMP)/EIA must clearly show all water courses as defined in the National Water Act, 1998 (Act 36 of 1998) as well as the delineation 1:100 year flood lines. No activity may occur within the 1:100 year flood line of a river/drainage lines without authorisation. No activity may occur within the 500 metres of a pan/wetland (perennial/non perennial) without authorisation.
- c) The EMP/EIA must clearly show the methods for collecting, storing, transporting and finally disposing of all waste products produced as well as the responsible and accountable persons. This includes written consent from the relevant accredited waste disposal site/ sewage disposal/ oil disposal in handling the waste. All applicable sections of the National Environmental Management: Waste Act 59 of 2008 should be strictly adhered to.
- d) The EMP/EIA must clearly identify all risks that are associated with the project that can affect the water resources in and around the project area and state all implementable measures to prevent and respond to accidents and abnormal events that may occur.
- e) The EMP/EIA must clearly show through a responsibility matrix and organogram the responsible persons for implementing the mitigation measures and reporting lines, in the event of an accident.

RE: NOTIFICATION LETTER AND BACKGROUND INFORMATION DOCUMENT FOR PROPOSED UPGRADE OF THE VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME ON VARIOUS PROPERTIES, IN THE LOWER VAAL BUSINESS UNIT OF THE VAAL PROTO-CATCHMENT MANAGEMENT AGENCY, NORTHERN CAPE PROVINCE

- f) The EMP/EIA must show in written form that the developer has made a legally binding commitment to implement the proposed mitigation measures and that these measures are not only suggestions and recommendations.
- g) The EMP/EIA must clearly show the process followed if the developer does not comply with the legal requirements of the EMP and National Water Act, 1998 (Act No 36 of 1998).

11. Conclusion

The Department has no objections to this activity, provided the applicant has provided proof of adherence to the above mentioned recommendations and addressed all issues contained in this letter.

Please also take note that additional water uses may be triggered because of the burrow pits excavations.

This reply does not grant any exemption from the requirements of any applicable Act, Ordinance, Regulation or By-law.

Should you have any further queries, please contact the relevant official at the number above.

Yours faithfully,

MR. M. MAHUNONYANE
DIRECTOR: INSTITUTIONAL ESTABLISHMENT
DATE:



environmental affairs

Department
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

Private Bag X 447 · PRETORIA · 0001 · Environment House · 473 Steve Biko Road, Arcadia, · PRETORIA

DEA Reference: 14/12/16/3/3/1/2062

Enquiries: Ms Bongeka Myana

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Mr Donavan Henning
Nemai Consulting
PO Box 1673
SUNNINGHILL
2157
Tel: (011) 781 1730
E-Mail: donavanh@nemai.co.za

PER MAIL / E-MAIL

Dear Mr Henning

COMMENTS ON THE DRAFT BASIC ASSESSMENT REPORT FOR THE PROPOSED VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME PHASE 2: UPGRADING OF THE EXISTING SCHEME IN THE NORTHERN CAPE PROVINCE

The Application for Environmental Authorisation and Draft Basic Assessment Report (BAR) dated August 2019, received by the Department on 26 August 2019 and acknowledged on 28 August 2019, refer.

This letter serves to inform you that the following information must be included to the Final BAR:

a) Specialist studies

The terrestrial and socio-economic impact assessment specialist studies must be peer reviewed since they were conducted by an in-house specialist and all maps must be presented in colour, not in black and white. Please note that the peer reviewed studies would constitute new information and must be provided to interested and affected parties as part of the consultation Basic Assessment Report. In this regard, your attention is drawn to Regulation 19(b) of GN R. 982 discussed in the "General" comments hereunder.

b) Coordinates

Please indicate whether the coordinates provided in Appendix D represent the bend points of the proposed pipelines, or if they were measured at set intervals. Please also indicate, in that table, which of the coordinates best represents the start, middle and end point of the pipelines.

General

Please ensure that the BAR, specialist studies and EMPr comply with the requirements of the relevant appendices in the EIA Regulations, 2014 as amended. You are reminded to ensure that the EMPr distinguishes between impact management outcomes and impact management actions (the manner in which the impact management outcomes will be achieved) per Appendix 4 1(1)(d) and (f) of GN R. 982 (as amended).

You are further reminded to comply with Regulation 19(1)(a) of the NEMA EIA Regulations, 2014, as amended, which states that:

"Where basic assessment must be applied to an application, the applicant must, within 90 days of receipt of the application by the competent authority, submit to the competent authority -

(a) a basic assessment report, inclusive of specialist reports, an EMPr, and where applicable a closure plan, which have been subjected to a public participation process of at least 30 days and which reflects the incorporation of comments received, including any comments of the competent authority."

Should there be significant changes or new information that has been added to the BAR or EMPr which changes or information was not contained in the reports or plans consulted on during the initial public participation process, you are therefore required to comply with Regulation 19(b) of the NEMA EIA Regulations, 2014, as amended, which states:

"the applicant must, within 90 days of receipt of the application by the competent authority, submit to the competent authority - (b) a notification in writing that the basic assessment report, inclusive of specialist reports an EMPr, and where applicable, a closure plan, will be submitted within 140 days of receipt of the application by the competent authority, as significant changes have been made or significant new information has been added to the basic assessment report or EMPr or, where applicable, a closure plan, which changes or information was not contained in the reports or plans consulted on during the initial public participation process contemplated in subregulation (1)(a) and that the revised reports or, EMPr or, where applicable, a closure plan will be subjected to another public participation process of at least 30 days"

Should you fail to meet any of the timeframes stipulated in Regulation 19 of the NEMA EIA Regulations, 2014, as amended, your application will lapse.

You are requested to submit one (1) hard copy of the Basic Assessment Report (BAR) to the Department and at least one (1) electronic copy (USB/CD) of the complete final report with the hard copy document.

You are hereby reminded of Section 24F of the National Environmental Management Act, Act No. 107 of 1998, as amended, that no activity may commence prior to an Environmental Authorisation being granted by the Department.

Yours sincerely



Mr Sabelo Malaza
Chief Director: Integrated Environmental Authorisations
Department of Environmental Affairs
Letter signed by: Ms Sindiswa Dlomo
Designation: Deputy Director: National Infrastructure Projects
Date: 20/09/2019

CC:	Mr I.M Hasenjanger	Sedibeng water	Email: lhasenjager@sedibengwater.co.za
	Ms Dineo Moleko	Northern Cape DENC	Email: dmoleko@ncpg.gov.za



07.10.2019

**NEMAI ENVIRONMENTAL CONSULTANTS
CHRISTIAAN VAN DER HOVEN**

Epos: donavanh@nema.co.za
CC: rmlozana@nmenvironmental.co.za
mlozanar@gmail.com

**RE: VAAL GAMAGARA PYPLYN: PLAAS 218 BARKLEY WES:
EIENAAR: BROEKSKEUR BOERDERY (EDMS) BPK**

Ons verwys na bogemelde aangeleentheid en skrywer se telefoniese gesprek met Me. Rozelda Mlozana ten aansien van die konstruksie van 'n nuwe pyplyn oor bogemelde eiendom vanaf die Vaal Gamagara pompstasie (Sedibeng Water) na Kathu en elders.

Hierby aangeheg vind u 'n skrywe wat ons Vennootskap (in wie die boerdery onderneming op die eiendom bedryf word) gerig het aan Sedibeng Water, die inhoud wat van sigself spreek.

U sal opmerk hierdie skrywe jare gelede gerig is en het ons tot op datum nog nie die hoflikheid van 'n antwoord daarop ontvang nie.

Ons was later wel versoek om weer aan te doen by die Sedibeng kantore te Vaal Gamagara waarin ons versoek was om toe te stem dat Sedibeng Water 'n pad oor ons eiendom bou vanaf die aangrensende teerpad vir die vervoer van gevaarlike chemikalië.

Tydens daardie vergadering het ons reeds kennis gegee dat ons nie daarvoor te vind is nie omdat ons ervaring in die verlede met Sedibeng Water en Vaal Gamagara uiters problematies was.

Die voorganer en reg titel en belang van die eiendom het ingestem dat die serwituut van waterleiding oor plaas 218 geregistreer word onderhewig aan sekere voorwaardes. Geen een van hierdie voorwaardes is nagekom nie. Dit het daartoe uitgeloop da tons verplig was om die toegangshek by geleentheid af te haal en toe te maak vir redes soos in hierdie skrywe uiteengesit is.

BROEKSKEUR BOERDERY

(EDMS) BEPERK

REG NR: 2004/002882/07

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celeste@riverfarm.co.za

Btw no | VAT nr

4530134016

Direkteure | Directors

AWA BOTMA | JJ BOTMA

Sedibeng/Vaal Gamagara versoek nou toegang tot ons eiendom vir die lê van `n verdere pyplyn in weerwil van die pligsversuim van Sedibeng/Vaal Gamagara om die probleme wat ons as aangrensende eienaar tot Vaal Gamagara het soos uiteengesit in ons voormelde skrywe, bly Vaal Gamagara in gebreke om die terme en voorwaardes van die ooreenkoms te implimenteer.

Ons verstaan nou van Rozelda Mlozana dat u Mnr Christiaan van der Hoven met skrywer in verbinding wil tree om die aangeleentheid verder te bespreek rondom die lê van `n verdere water toevoerlyn oor die eiendom Plaas 218, Barkley Wes.

Alvorens die vrae soos hierbo uiteengesit het nie eers beantwoord word nie is ons nie bereid om enige samesprekings met u te voer rondom die versoek nie.

Ons behou al ons regte voor in hierdie verband en stel voor dat u `n afspraak reël te Kimberley om die aangeleentheid met ons te bespreek.

Die uwe

A handwritten signature in black ink, appearing to read 'Japie Botma', with a long horizontal flourish extending to the right.

Japie Botma



our ref: JJ Botma/CvN
your ref: Ronny Mabophe
date: 22.03.2018

**THE OPERATIONS AND MAINTENANCE SUPERINTENDENT
SEDIBENG WATER
VAAL GAMAGARA**

per email: rmabophe@sedibengwater.co.za

Mr. Mabophe

**RE: ENTRANCE GATE TO PIPELINE SERVITUDE : FARM 218
BARKLY WEST : RIVERSIDE FARMING**

We refer to the above matter and the discussions held at writer's office in Kimberley between yourself, writer and Mr. AWA Botma.

We confirm that writer and AWA Botma are the partners of Riverside Farming, who farms with game and cattle on Farm 218 Barkly West.

We confirm that we completely fenced the entrance gate due to repairs and maintenance problems that occurred throughout the past 10 years in respect of transgressors entering the farm from the Vaal Gamagara residential area. Entrance is obtained via the entrance gate and the boundary fence alongside the Schmidtsdrift gravel road.

As result of our discussions, the following proposals were discussed and accepted between the Sedibeng Water representative and Riverside Farming:

1. Sedibeng Water will as from 20 March instructed a security company with sufficient security personnel to continuously patrol and inspect the adjacent game fence of Riverside Farming, with sufficient logbook systems providing for each and every date and the time such controls are taking place.
2. Pending the success/failure of the aforementioned patrols and inspections, a security camera system will be later discussed.
3. AWA Botma will return the gate for repairs and replacement by your office.

RIVERSIDE BOERDERY

VENNOOTSKAP

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8306

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Hadisonpark

Kimberley

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Telefoon | Telephone

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celeste@riverfarm.co.za

Btw no | VAT nr

444 0135 715

Vennote | Partners

AWA BOTMA | JJ BOTMA

4. The gate will be locked with two chains, respectively installed on the bottom gate, and the top gate.
5. Sedibeng Water will install barbed wire on top of the gate as well as the adjacent game fence for a distance of 100meters, both sides of the gate.

Riverside Farming will through the office of Mr. AWA Botma communicate with your Mr. Ronny Mabophe, if and when any further problems will arise in respect of the unlawful entrance from the Sedibeng area to Farm Riverside. We understand the predicament of Sedibeng Water that little control can be exercised against dwellers not within the employ of Sedibeng Water.

We request that you will confirm, in writing, the above arrangements by no later than 7 days from date hereof. Mr. AWA Botma will contact your Mr. Ronny Mabophe the moment the gate is delivered at the aforementioned entrance site.

Yours faithfully.



JJ BOTMA

Our Ref:



an agency of the
Department of Arts and Culture

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South African Heritage Resources Agency | 111 Harrington Street | Cape Town
P.O. Box 4637 | Cape Town | 8001
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Enquiries: Natasha Higgitt
Tel: 021 462 4502
Email: nhiggitt@sahra.org.za
CaseID: 14233

Date: Monday September 16, 2019
Page No: 1

Interim Comment

In terms of Section 38(3), 38(8) of the National Heritage Resources Act (Act 25 of 1999)

Attention: Sedibeng Water

Project Background The Vaal Gamagara Regional Water Supply Scheme (VGRWSS) is a water supply scheme located in the Northern Cape Province that was completed in 1968 by the Department of Water Affairs, now Department of Human Settlements, Water and Sanitation (DHSWS), and transferred to Sedibeng Water in 2008. Secondary to the expected increased water demand are water supply interruptions that are amplified due to the aging infrastructure. The infrastructure, being 50 years old, is nearing the end of its useful life. Due to the condition of the pipelines, the full design capacity can no longer be supplied through this infrastructure. Total collapse in water supply will probably happen in the next 5 years if the infrastructure is not replaced/rehabilitated. Feasibility studies were undertaken to determine the best option to rehabilitate and increase the capacity of the scheme to cater for increased water demands. Sedibeng Water subsequently proposed the upgrading of the VGRWSS via the following two phases: Phase I – upgrading the scheme from the Roscoe Reservoir to Blackrock (already in construction phase); and Phase II – upgrading the scheme from Delportshoop to Olifantshoek. The Basic Assessment Report specifically deals with the upgrading of the VGRWSS Phase II. **Project Location** The VGRWSS-II starts at the Delportshoop Water Treatment Works (WTW) and runs past the towns of Ulco, Lime Acres and Postmasburg before ending at Olifantshoek, in the Northern Cape. The project infrastructure is mostly located inside the existing VGRWSS pipeline servitude, which is situated along privately-owned properties that are primarily used for mining and agricultural practices. **Project Description** The following project components associated with the proposed upgrading of the VGRWSS- II are described in the Basic Assessment Report (BAR): Delportshoop abstraction works and WTW; Pipeline from Beeshoek Connection to Roscoe; Pipeline between Clifton and Beeshoek Connection; Rising Main from Delportshoop to Kneukel; Rising Main from Kneukel to Trewill; Rising Main from Trewill to Clifton; Gravity Main from Roscoe to Olifantshoek; Delportshoop, Kneukel and Trewill Pump Stations; Clifton, Gloucester Reservoirs; Trewill Sump and Kneukel Sump; and Ancillary infrastructure (access roads, fibre optics)

Nemai Consulting has been appointed by Sedibeng Water to conduct an Environmental Authorisation (EA) Application for the proposed upgrade to the existing Vaal Gamagara Regional Water Supply Scheme Phase 2, between Olifantshoek and Delportshoop, Northern Cape Province.



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A draft Basic Assessment Report (DBAR) has been submitted in terms of the National Environmental Management Act, No 107 of 1998 (NEMA) and NEMA Environmental Impact Assessment (EIA) Regulations. The proposed activities include abstraction works, various pipelines, rising and gravity mains, pump station, reservoirs, sump and ancillary infrastructure.

Banzai Environmental (Pty) Ltd and the McGregor Museum Archaeology Department have been appointed to provide heritage specialist input into the EA process as required by section 24(4)b(iii) of NEMA and section 38(8) and 38(3) of the National Heritage Resources Act, Act 25 of 1999 (NHRA).

Butler, E. 2018. Palaeontological desktop assessment of the proposed upgrade of the Vaal Gamagara regional water supply scheme: phase 2 and groundwater abstraction.

The proposed project area is underlain by several rock formations including Kalahari Group of high sensitivity (HS), Dwyka Group of low sensitivity (LS), Matsap Subgroup (LS), Gamagara Formation (LS), Ongeluk Formation of moderate sensitivity (MS), Abestos Hills (MS), Campbell Rand Subgroup (MS) and the Vryburg Formation of moderate to high sensitivity.

Recommendations provided in the report include the following:

- The EAP and ECO must be informed that a High Palaeontological Sensitivity is allocated to the Kalahari Formation and a moderate to High to the Vryburg Formation;
- A Phase 1 PIA document of the Kalahari and Vryburg Formations must be conducted;
- "Chance Find Protocol" must be completed during the first month of excavation; and
- These recommendations must be incorporated in the EMP of this project.

The DBAR provides further recommendations (page 185), such as the need for the Phase 1 PIA is included as part of the conditions of the EA to be completed in the first month of the project. Additionally, the DBAR notes that a detailed palaeontological study must be undertaken during deep excavation to assess the value and prominence of fossils in the development area.

Morris, D and Henderson, A. 2019. Heritage Impact Assessment for the proposed Upgrade of the Vaal Gamagara Regional Water Supply Scheme Phase 2.

An unknown number of heritage resources were identified within the proposed project area. The able privuded

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CaseID: 14233

Date: Monday September 16, 2019
Page No: 3

on page 9 and 10 of the HIA does not provide adequate descriptions of the observations and therefore it is unclear as to how many heritage resources were identified. Some heritage resources include burial grounds and Stone Age lithics.

Recommendations provided in the report include the following:

- Provision for on-going heritage monitoring in an environmental management plan which also provides guidelines on what to do in the event of any major heritage feature being encountered during any phase of development; and
- Should unexpected finds be made (e.g. precolonial burials; ostrich eggshell container cache; or localised Stone Age sites with stone tools, pottery, ash midden with bone/pottery; military remains), the relevant Heritage Authority should be contacted.

Interim Comment

The SAHRA Archaeology, Palaeontology and Meteorites (APM) Unit requests that the submitted HIA be revised to include adequate descriptions of heritage resources identified. Photographs must be provided of each site including landscape shots showing where the site is located within the context of the area. Additionally, GPS co-ordinates provided in the table on page 9 and 10 of the HIA must not include non-heritage sites i.e. "No access gate locked".

Terms such as "Farm" or "Flakes" are not acceptable descriptions of heritage resources. The impact to each site must be noted as per section 38(3)c of the NHRA and it must be stated if any heritage site will be impacted and how they will be impacted by the proposed development. Relevant mitigation measures must be provided to ensure there will be no negative impacts to the identified heritage resources as per section 38(3)g of the NHRA.

Additionally, a Phase 1 PIA inclusive of a site visit of the sections of the proposed project area that are located in the Kalahari and Vryburg Formations must be conducted as part of the EA application i.e. before the Final BAR is submitted to the competent authority for review.

SAHRA will provide further comments upon receipt of a revised HIA and the requested field PIA.

SAHRA advises the applicant to extend the EA application process in terms of section 19(1)b of the NEMA

Vaal Gamagara Regional Water Supply Scheme Phase 2 (VGRWSS-II): Upgrade of Existing Scheme

Our Ref:



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Department of Arts and Culture

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CaseID: 14233

Date: Monday September 16, 2019
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Regulations in order to comply with this comment.

Should you have any further queries, please contact the designated official using the case number quoted above in the case header.

Yours faithfully

Natasha Higgitt
Heritage Officer
South African Heritage Resources Agency

Phillip Hine
Acting Manager: Archaeology, Palaeontology and Meteorites Unit
South African Heritage Resources Agency

ADMIN:

Direct URL to case: <http://www.sahra.org.za/node/527631>

APPENDIX F5

PROOF OF DELIVERIES OF REPORTS







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 2194

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 SUNNINGHILL
 2157

Tel: 011 781 1730
 Fax: 011 781 1731
 Email: info@nema.co.za
 www.nema.co.za

Proof of Delivery

Nemai Project Number:	10689	
Project Description:	VGRWSS-II: Upgrade of Existing Scheme	
Document Submitted:	<u>Draft Basic Assessment Report</u> 1 X Hard Copy <u>Application Form</u> 2 X Hard Copy (1 X Original & 1 X Copy) <u>USB</u> 1 X Copy of Draft BAR 1 X Copy of Application Form	
Name of Intended Recipient:	Ms. Masina Litsoane	
Organisation:	Department of Environment, Forestry and Fisheries	
Address:	Cnr Steve Biko & Soutpansberg Road, Pretoria	
Contact Details:	012 399 9375	
From:	Donavan Henning	
Name of Recipient:		
Signature of Recipient:	<table border="1" data-bbox="917 1713 1284 1926"> <tr> <td> ENVIRONMENTAL AFFAIRS INT ENV AUTH 2019 -08- 26 SIGN:  </td> </tr> </table>	ENVIRONMENTAL AFFAIRS INT ENV AUTH 2019 -08- 26 SIGN: 
ENVIRONMENTAL AFFAIRS INT ENV AUTH 2019 -08- 26 SIGN: 		
Date Received:		

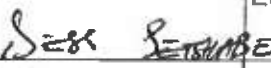
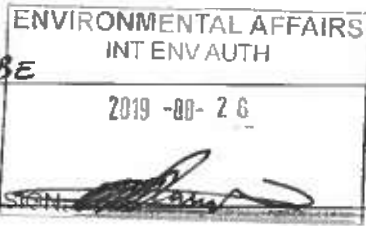


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Nemai Project Number:	10689
Project Description:	VGRWSS-II: Upgrade of Existing Scheme
Document Submitted:	1 X Hard Copy of Draft BAR 1 X CD of Draft BAR
Name of Intended Recipient:	Stanley Tshitwamulomoni
Organisation:	Department of Environment, Forestry and Fisheries: Biodiversity
Address:	Cnr Steve Biko & Soutpansberg Road, Pretoria
Contact Details:	012 399 9587
From:	Donavan Henning
Name of Recipient:	<i>Stanley Tshitwamulomoni</i>
Signature of Recipient:	 
Date Received:	



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Name of Intended Recipient:	Philani Msimango / Gawie van Dyk
Organisation:	DWS: Northern Cape Regional Offices
Address:	DWS Northern Cape Region, 28 Central Road, Kimberley
Contact Details:	053 830 8802 / 053 836 7649
From:	Donavan Henning
Name of Recipient:	GSD van Dyk
Signature of Recipient:	
Date Received:	26/08/2019

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Name of Intended Recipient:	Dineo Moleko
Organisation:	Northern Cape DENC
Address:	Sasko Building, 90 Long St, Kimberley
Contact Details:	053 831 3530 / 0790809456
From:	Donavan Henning
Name of Recipient:	DINEO MOLEKO
Signature of Recipient:	
Date Received:	23/08/2019



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Name of Intended Recipient:	Kenneth Lucas
Organisation:	Frances Baard District Municipality
Address:	51 Drakensberg Ave, Carters Glen, Kimberley, 8301
Contact Details:	(053) 838 0998
From:	Donavan Henning
Name of Recipient:	<i>Bekke Jacobs</i>
Signature of Recipient:	<i>Jaks</i>
Date Received:	<i>23/8/2019</i>

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Name of Intended Recipient:	Mr Ntsundeni Ravhugoni
Organisation:	DMR Northern Cape Region
Address:	Drakensberg Ave, Carters Glen, Kimberley, 8301
Contact Details:	082 828 3904 / 071 135 3914
From:	Donavan Henning
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Signature of Recipient:	
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Name of Intended Recipient:	Ms. N. Haasbroek
Organisation:	Olifantshoek Public Library
Address:	Cnr of Van Riebeeck Street and Lanham, Olifantshoek, 8450
Contact Details:	053 331 0002
From:	Donavan Henning
Name of Recipient:	Ellen
Signature of Recipient:	
Date Received:	2019.08.21



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Name of Intended Recipient:	Riaan Eyman
Organisation:	Postmasburg Public Library
Address:	13 Springbok Street, Postmasburg, 8420
Contact Details:	053 313 7300
From:	Donavan Henning
Name of Recipient:	HECTOR
Signature of Recipient:	MH Maja
Date Received:	23/08/2019



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Organisation:	Tsantsabane Local Municipality
Address:	13 Springbok Street, Postmasburg
Contact Details:	053 313 7300
From:	Donavan Henning
Name of Recipient:	Glady's Witbooi
Signature of Recipient:	
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Name of Intended Recipient:	Ms. Martie
Organisation:	Lime Acres Public Library
Address:	2 Adams Avenue, Lime acres, 8410
Contact Details:	053 385 0602
From:	Donavan Henning
Name of Recipient:	E. HANNAM
Signature of Recipient:	
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Project Description:	VGRWSS-II: Upgrade of Existing Scheme
Document Submitted:	1 X Hard Copy of Draft BAR
Name of Intended Recipient:	Jabulani Zwane
Organisation:	Kgatelopele Library
Address:	222 Du Plooy Road, Danlelskuil, 8405 Coordinates: 28°11'01.1"S 23°32'48.1"E
Contact Details:	053 384 0008
From:	Donavan Henning
Name of Recipient:	Maledi Geranda
Signature of Recipient:	
Date Received:	23 August 2019




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Project Description:	VGRWSS-II: Upgrade of Existing Scheme
Document Submitted:	1 X CD of Draft BAR
Name of Intended Recipient:	Thulagnyo Bannette
Organisation:	Kgatelopele Local Municipality
Address:	Kgatelopele Local Municipality, 222 Main Rd, Danielskuil, 8405
Contact Details:	053 384 8662
From:	Donavan Henning
Name of Recipient:	T.A. Barnett
Signature of Recipient:	
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Name of Intended Recipient:	Odirile August
Organisation:	Dikgatlong Local Municipality
Address:	33 Campbell Street, Barkly West
Contact Details:	053 531 6505
From:	Donavan Henning
Name of Recipient:	<i>Doreen Mamppe</i>
Signature of Recipient:	<i>Doreen Mamppe</i>
Date Received:	<i>23/08/2019</i>





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Name of Intended Recipient:	G LATEGAAN TL
Organisation:	ZF MECAWU DISTRICT MUNICIPALITY
Address:	CNR NELSON MANDELA AVENUE & UPINGTON 26 ROAD, UPINGTON
Contact Details:	054 331 2800 / 2820
From:	Donavan Henning
Name of Recipient:	E. LATEGAN
Signature of Recipient:	
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	SUBURB		VERY IMPORTANT DESTINATION SUBURB
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PROVINCE	NORTHERN CAPE	SOUTH AFRICA	
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DATE	ACCOUNT NUMBER	COST CENTRE	SHIPPER'S REFERENCE	ORIGIN	DESTINATION	No. OF PIECES	ACTUAL WEIGHT	
SHIPPER: (YOUR NAME) HILONI							PIECES	DIMENSIONS
COMPANY NAME: NEMAJ CONSULTING-JHB.								
STREET ADDRESS: 147 BRAM FISCHER DRIVE								
CITY: FERNDALE								
COUNTRY: SOUTH AFRICA								
TELEPHONE NUMBER & E-MAIL: (011) 781 1730								
POST/ZIP CODE: 2194								
TELEPHONE NUMBER & E-MAIL: 053 723 6000 / modise@gamagara.gov.za								
TO: (RECIPIENT'S NAME) Mr. Modise								
COMPANY NAME: Gamagara Local Municipality								
STREET ADDRESS: Cnr of Frikkie Meyer Street and Hendrik Van Eck Road								
CITY: KATHU								
COUNTRY: RSA								
POST/ZIP CODE: 2194								
TELEPHONE NUMBER & E-MAIL: (011) 781 1730								
GLOBAL DOCUMENT EXPRESS								
GLOBAL PARCEL EXPRESS								
GLOBAL MAIL								
AIRFREIGHT								
CROSS BORDER ROAD FREIGHT								
CUSTOMS VALUE								
HAZARDOUS CARGO? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>								
INSURANCE? YES <input type="checkbox"/> NO <input type="checkbox"/>								
AMOUNT:								
INTERNATIONAL SERVICES								
OVERNIGHT EXPRESS								
IN CITY DELIVERY								
BUDGET CARGO 24-48 HRS <input checked="" type="checkbox"/>								
ROAD FREIGHT 48-96 HRS								
DOMESTIC SERVICES								
SAME DAY								
DAWN DELIVERY BY 08:00								
SATURDAY DELIVERY								
AFTER HOURS								
GlobeFlight reserves the right to change the service "Budget" should no service label be selected.								
RECEIVED BY GLOBEFLIGHT WORLDWIDE EXPRESS								
PRINT NAME								
SIGNATURE								
DATE								
TIME								
RECEIVED IN GOOD ORDER AND CONDITION								
PRINT NAME								
SIGNATURE								
DATE								
TIME								
DESCRIPTION OF CONTENTS								

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DATE	ACCOUNT NUMBER	COST CENTRE	SHIPPER'S REFERENCE	ORIGIN	DESTINATION	No. OF PIECES	ACTUAL WEIGHT
	J02549						
SHIPPER (YOUR NAME)		TO: (RECIPIENT'S NAME)					
HLON		Jacoline Maas					
Official Supplier To:		COMPANY NAME					
NEMAI CONSULTING-JHB.		Department of Agriculture, Forestry & Fisheries.					
STREET ADDRESS:		STREET ADDRESS:					
147 BRAM FISCHER DRIVE		26 Olieb Street DELIVER TO A					
FERDALE		PO BOX NO.					
RANDSBURG		Louisvule Road					
COUNTRY:		CITY:					
SOUTH AFRICA		Ugington					
TELEPHONE NUMBER & E-MAIL:		POST/ZIP CODE:					
(011) 781 1730		2194					
GLOBAL DOCUMENT EXPRESS		TELEPHONE NUMBER & E-MAIL:					
GLOBAL PARCEL EXPRESS		654 334 0030 / jacoline@maas.daf.gov.za					
GLOBAL MAIL		POST/ZIP CODE:					
AIRFREIGHT		8815					
CROSS BORDER ROAD FREIGHT		TELEPHONE NUMBER & E-MAIL:					
CUSTOMS VALUE		654 334 0030 / jacoline@maas.daf.gov.za					
HAZARDOUS CARGO? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		OVERNIGHT EXPRESS					
INSURANCE YES <input type="checkbox"/> NO <input type="checkbox"/>		IN-CITY DELIVERY					
AMOUNT:		BUDGET CARGO 24-48 HRS <input checked="" type="checkbox"/>					
		ROAD FREIGHT 48-86 HRS					
		DOMESTIC SERVICES					
		DOMESTIC SERVICES					
		SAME DAY					
		DAWN DELIVERY BY 09H00					
		SATURDAY DELIVERY					
		AFTER HOURS					
		RECEIVED BY GLOBELIGHT WORLDWIDE EXPRESS					
		PRINT NAME					
		SIGNATURE					
		DATE					
		TIME					
		CONSIGNEE SIGNATURE					
		DATE					
		TIME					
		RECEIVED IN 6000 ORDER AND CONDITION					
		PRINT NAME					
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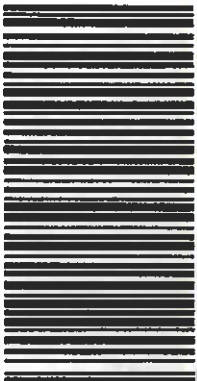


DATE	ACCOUNT NUMBER	COST CENTRE	SHIPPER'S REFERENCE	ORIGIN	DESTINATION	No. OF PIECES	ACTUAL WEIGHT
	J02548						
(YOUR NAME)							
ALONI							
Official Supplier To:							
Mr D. Molaole							
NAME:							
NEMAJ CONSULTING-JHB.							
ADDRESS:							
147 BRAM FISCHER DRIVE							
P.O. BOX NO.							
FERNDALE							
RANDBURG							
SA RUGBY LTD							
SOUTH AFRICA							
PHONE NUMBER & E-MAIL:							
(011) 781 1730							
POSTAL DOCUMENT EXPRESS							
POSTAL PARCEL EXPRESS							
POSTAL MAIL							
FREIGHT							
EXCESS BORDER ROAD FREIGHT							
CUSTOMS VALUE							
US YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> CE YES <input type="checkbox"/> NO <input type="checkbox"/>							
WE HAVE BEEN AND AGREE TO THE STANDARD CONDITIONS OF CARRIAGE OF GLOBEFLIGHT WORLDWIDE EXPRESS RECEIVED BY GLOBEFLIGHT WORLDWIDE EXPRESS PRINT NAME: _____ SIGNATURE: <i>[Signature]</i> DATE: 22/08/19 TIME: 08:52							
GLOBAL DOCUMENT EXPRESS SAME DAY GLOBAL PARCEL EXPRESS DAWN DELIVERY BY 08:00 SATURDAY DELIVERY AFTER HOURS GLOBAL MAIL ROAD FREIGHT 48-96 HRS							
TELEPHONE NUMBER & E-MAIL: 053 712 8700 / dmolaole@gmail.com							
CITY: Kuruman COUNTRY: RSA POST-ZIP CODE: 8460							
POST-ZIP CODE: 2194							
OVERNIGHT EXPRESS IN CITY DELIVERY BUDGET CARGO 24-48 HRS <input checked="" type="checkbox"/> ROAD FREIGHT 48-96 HRS							
GLOBEFLIGHT reserves the right to choose the service "Budget" should no service label be selected							
RECEIVED IN GOOD ORDER AND CONDITION PRINT NAME: _____ CONSIGNEE SIGNATURE: _____ DATE: _____ TIME: _____							
DESCRIPTION OF CONTENTS							
SPECIAL INSTRUCTIONS							
IMPORT & EXPORT CODE							
PIECES							
DIMENSIONS							

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DATE	ACCOUNT NUMBER	COST CENTRE	SHIPPER'S REFERENCE	ORIGIN	DESTINATION	No. OF PIECES	ACTUAL WEIGHT
SHIPPER: (YOUR NAME)		TO: (RECIPIENT'S NAME)					
HLONI		Mr. G. Kategaan					
Official Supplier To:		COMPANY NAME:					
NEMAI CONSULTING-PB.		ZF Mqanvu District Municipality					
STREET ADDRESS:		STREET ADDRESS:					
147 BRAM FISCHER DRIVE		Corner of Beal Road Street					
FERDALE		Hill Street P.O. BOX NO.					
RANDBURG		CITY: Upington					
SOUTH AFRICA		POST/ZIP CODE: 2194		COUNTRY: RSA		POST/ZIP CODE: 8801	
TELEPHONE NUMBER & E-MAIL:		TELEPHONE NUMBER & E-MAIL:					
(011) 781 1730		054 337 2800 /gil@zfm-dm.gov.za					
INTERNATIONAL SERVICES		OVERNIGHT EXPRESS		DOMESTIC SERVICES		SAME DAY	
GLOBAL DOCUMENT EXPRESS		IN CITY DELIVERY		BUDGET CARGO 24-48 HRS		DAWN DELIVERY BY 0800	
GLOBAL PARCEL EXPRESS		<input type="checkbox"/>		<input checked="" type="checkbox"/>		SATURDAY DELIVERY	
GLOBAL MAIL		<input type="checkbox"/>		<input type="checkbox"/>		AFTER HOURS	
AIRFREIGHT		ROAD FREIGHT 48-96 HRS		GlobeFlight reserves the right to choose the service. "Budget" should no service label be selected			
CROSS BORDER ROAD FREIGHT		CUSTOMS VALUE		RECEIVED BY GLOBEFIGHT WORLDWIDE EXPRESS			
HAZARDOUS CARGO? YES <input type="checkbox"/> NO <input type="checkbox"/>		SIGNATURE: <i>Triche</i>		PRINT NAME: Triche		CONSIGNEE SIGNATURE	
INSURANCE YES <input type="checkbox"/> NO <input type="checkbox"/>		DATE: 27/08/10		TIME: 08:53		DATE: _____ TIME: _____	
AMOUNT:		DESCRIPTION OF CONTENTS					
		IMPORT & EXPORT CODE					
		SPECIAL INSTRUCTIONS					
		DIMENSIONS					
		PIECES					

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APPENDIX F6

MINUTES OF MEETINGS



**REVIEW OF THE DRAFT BASIC ASSESSMENT REPORT (BAR): UPGRADING
OF THE VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME (VGRWSS)
PHASE 2**

PUBLIC MEETING DETAILS

Purpose of the Meeting: Review of Draft BAR
Date of the Meeting: 03 September 2019
Time: 09H30 – 12H00
Venue: Richetts Hall (Boere Saal), Club Circle, Ulco

ATTENDEES

- Nemaï Consulting
- Pro-Plan
- King and Associates
- NM Environmental
- VGRWSS-II: Affected landowners and community members

Please refer to **Annexure A** for a copy of the Attendance Register.

APOLOGIES

There were no apologies noted.



AGENDA

1. Welcome and Introduction

Mr. D. Henning of Nemaï Consulting welcomed everyone to the public meeting and introduced the members of the project team.

2. Attendance Register

The attendance register was circulated among the attendees and signed. Please refer to **Annexure A** for a copy of the Attendance Register.

3. Purpose and Rules of the Meeting

The purpose and rules of the meeting were presented by Mr. D. Henning.

It was explained that the aims of the meeting included the following:

- To provide an overview of the proposed project.
- To present the status of the Basic Assessment (BA) Process.
- To provide an overview of the Draft Basic Assessment Report (BAR) for the proposed **VGRWSS-II: Upgrading of the Existing Scheme**.
- To provide a platform for project-related discussions

D. Henning indicated that a separate BA Process is underway for the proposed groundwater abstraction at Source Development Area (SD) 1 in the Danielskuil area and SD2 in the Postmasburg area.

4. Overview of VGRWSS- Phase 2

- The background to the proposed project was presented by Mr. J. Botha of Pro-Plan Engineering.
- An overview of the Draft BAR for the proposed **VGRWSS-II: Upgrading of the Existing Scheme** was presented by Mr. C. van der Hoven of Nemaï Consulting.



5. Discussion

No.	Comment/ Query/ Issue	Raised by	Response
1.	<ol style="list-style-type: none"> The Vaal River does not have enough water to sustain the scheme. Why can't you explore other water resources? The same problem lies with the groundwater. The groundwater levels have already decreased without the implementation of this project. 	A. J. Ford	<ol style="list-style-type: none"> D. Henning stated that in the Draft BAR, a write-up on the alternative options previously investigated is provided, including why more water cannot be abstracted from the Vaal River. D. Henning also indicated that the pre-feasibility and feasibility studies are available on the DWS website. D. Henning added that the previous groundwater studies conducted will be made available to A.J. Ford. A map will be compiled showing the area to be affected by the proposed groundwater abstraction. Impacts to groundwater levels will be assessed and communicated as part of the separate BA process for Source Development Area (SD) 1 and SD2.
2.	The groundwater component has not been discussed, however, the project is already proposed. Have all factors been looked at. Need to look into the future, 20 years from now. With regards to the abstraction from the Vaal River, what guarantee is there that there will be enough water? The Ghaap fountains will be affected. Why should we suffer instead of the mines?	F. Scheper	D. Henning indicated that the groundwater abstraction component is being assessed as part of a separate BA Process. Once the Draft BAR has been compiled the project team will return with the groundwater specialist for separate public meetings to discuss concerns regarding the groundwater component.
3.	The municipalities need to be involved with the project.	G. Damoense	Prior to the BA Process, the District and Local Municipalities were engaged with as part of the Feasibility Study to understand the water demands, which is written up in the latest Water Demand Study. As part of the BA Process, we must engage with all Interested and Affected Parties (IAPs), which include the District and Local Municipalities. All the information being sent out has also been forwarded to all the affected municipalities and Councillors.
4.	Can we not explore taking water from the sea (desalination), which is about 208km away? From a long term perspective it might be beneficial.	A. Ford	D. Henning stated that the operation of a desalination plant is expensive, and the energy spent to pump water from sea level to the area in question will be too expensive. However, the principle is that during the pre-feasibility stages of the project, all alternative options were investigated and screened. Only those options that were feasible were considered further in the process.
5.	<ol style="list-style-type: none"> Want to see an integrated approach from the company dealing with the bulk infrastructure for Sedibeng Water with the Dikgatlong Municipality. Infrastructure in the municipality will also need to be upgraded to decrease leakages and water losses. With regards to fauna and flora, how will snakes be managed during the construction of the pipeline? 	G. Damoense	<ol style="list-style-type: none"> D. Henning indicated that the municipality's demands have been incorporated into the Feasibility Study for the project and he noted that the municipalities are well aware of the project. D. Henning stated that the Environmental Management Programme (EMPr), which is an appendix of the Draft BAR, contains specific measures for managing impacts related to fauna and flora. The contractor must comply with the EMPr during the construction phase.



No.	Comment/ Query/ Issue	Raised by	Response
6.	There is a road between Danielskuil and Kuruman where sinkholes formed after heavy rains. We monitored the fountains, which were dry. Approximately 3 months later, the water started to seep through. The groundwater systems are all linked to each other in this area.	J. Botha	The proposed groundwater abstraction consists of SD1 in Danielskuil and SD2 in Postmasburg. The groundwater specialist will need to understand how these areas are interconnected and if they do affect a groundwater resource, what the impact will be. One of the maps the specialist is working on is an area of influence map, to show landowners the areas that will be influenced by the project. That map will be provided at the public meetings as part of the separate BA Process for SD1 and SD2.
7.	<ol style="list-style-type: none"> 1. Who is the groundwater specialist? 2. A groundwater impact study was previously done by Golder. Will those studies be used for this environmental assessment or will new studies be done? 3. SD1 area is populated by an Olive Tree forest. Those trees have a very shallow root system and they won't survive if the water levels drop. The groundwater is not a sustainable source. It is only recharged every 20 years. 	A. J. Ford	<ol style="list-style-type: none"> 1. D. Henning indicated that the specialist is from Golder. 2. D. Henning stated that the groundwater study that formed part of the Feasibility Study, was comprehensively undertaken by the same specialist. The scope of the groundwater study was expanded to address concerns raised regarding SD1 and SD2. These findings will be presented in future public meetings. 3. D. Henning indicated that the operating rules of the scheme will be critical, which is what the groundwater specialist is looking at. The scheme needs to be operated in an integrated way.
8.	Have the water users considered ways to recycle and re-use water?	F. Scheper	D. Henning indicated that during the pre-feasibility stage of the project, they looked at and considered all possible sources to see if the demand could be met and what will be the best option.
9.	During the construction of the initial pipeline, heaps of spoil were left next to the servitude. Is there a possibility that the old spoil material can be removed?	D. Doman	<p>D. Henning stated that spoil is classified as inert waste. It was not properly managed during the previous construction process.</p> <p>J. Botha added that he has recently seen mines removing the old spoil to rehabilitate existing mines.</p> <p>D. Henning indicated that this will be discussed with Sedibeng Water.</p>
10.	How will directly affected communities be involved and how will they benefit from this project?	F. Scheper	D. Henning indicated that the EMP provides provision for the involvement of local labour and benefits to SMME's.



6. Way Forward

Attendees were requested to submit any additional concerns or comments during the review period for the Draft BAR.

7. Closure

The meeting was closed at approximately 12H00.

Annexures:

1. Attendance Register
2. Presentations



ANNEXURE A:

ATTENDANCE REGISTER



	ATTENDANCE REGISTER Review of Draft Basic Assessment Report Public Meeting	Queries: ☎ 011 781 1730 ☎ 011 781 1731 ✉ donavanh@nemai.co.za	Donovan Henning ☎ 011 781 1730 ☎ 011 781 1731 ✉ donavanh@nemai.co.za
	Applicant: 	Project Name: Vaal Gamagara Regional Water Supply Scheme Phase 2: Upgrading of the Existing Scheme Date: 3 September 2019 Time: 09:30 – 12:00 Venue: Richelits Hall (Boere Saal), Club Circle, Ulco	

Representative Name and Surname	Name of Organisation	Contact Details	Sign	Apologies
Walther van der Westhuizen	Pro-Plan	☎ 011 954 4441 ☎ 082 807 3527 ✉ wvdwesthuizen@proplansa.co.za		
Japie Botha	Pro-Plan	☎ 011 954 4441 ☎ 082 832 5897 ✉ jbotha@proplansa.co.za		
Desire Sibanda	King & Associates	☎ 018 464 4482 ☎ 018 464 4482 ✉ sibanda.desire@outlook.com		
Danford Rwazemba	King & Associates	☎ 018 464 4482 ☎ 078 120 1549 ✉ tekani@kinga.co.za		
Tekani Maswangany	King & Associates	☎ 018 464 4482 ☎ 074 026 7525 ✉ danford@kinga.co.za		
Donavan Henning	Nemai Consulting	☎ 011 781 1730 ☎ 082 881 0004 ✉ donavanh@nemai.co.za		
Christian Van Der Hoven	Nemai Consulting	☎ 011 781 1730 ☎ 011 781 1730 ✉ ChristianVdH@nemai.co.za		
Njabulo Mkhosana	NM Environmental	☎ 065 921 9371 ✉ nmkhosana@nmenvironmental.co.za		
		☎ ☎ ☎		



Representative Name and Surname	Name of Organisation	Contact Details	Sign	Apologies
* Pieter Francois (Buck) Jean Botha	Farmer	francois.botha@coqwin.com 072 444 0889 / 083 300 8167 jeans.lodge@gmail.com 082 727 9181	Botha	
Piet Doman	"	piet@doman.com 072 456 9692 Piet.doman@gmail.com		
DICK DOMAN	"	piet.doman@gmail.com 0794 957 841		
alwene F. d.	"	farmingalwene@gmail.com		
GERT FABER	"	gert@glenross.co.za	Faber	
FRANCOIS ALSTON	"	082 611 639		
Kenny S. How	Bang Agre o/varsity Ho	082 5611 933		
A.J. FORD.	GHAAP Voorsitter/Farm	fordforming@nashua.isp.co.za 082 809 0484		
HANNES De Wet	AGRI N.K. WATERSAKE	082 509 0484		
Francis Schep	Business Community	083 419 2880	Schep	
George Damsch	Business	063 434 4073		



ANNEXURE B:

PRESENTATIONS



**REVIEW OF DRAFT BASIC ASSESSMENT REPORT (BAR): UPGRADING OF
THE VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME (VGRWSS)
PHASE 2**

PUBLIC MEETING DETAILS

Purpose of the Meeting: Review of Draft BAR
Date of the Meeting: 03 September 2019
Time: 14H30 – 17H00
Venue: Postmasburg NG Church, 22 Duiker Street, Postmasburg

ATTENDEES

- Nemaï Consulting
- Pro-Plan
- King and Associates
- NM Environmental
- VGRWSS-II: Affected landowners and community members

Please refer to **Annexure A** for a copy of the Attendance Register.

APOLOGIES

Apologies from the following people were noted:

- Mr J. Olivier
- Mr M. Goosen
- Mr I. van Niekerk
- Mr J. van Zyl
- Mr J. Viljoen
- Mr C. Kotze
- Mr H. de Wet



AGENDA

1. Welcome and Introduction

D. Henning of Nemai Consulting welcomed everyone to the public meeting and introduced the members of the project team.

2. Attendance Register

The attendance register was circulated among the attendees and signed. Please refer to **Annexure A** for a copy of the Attendance Register.

3. Purpose and Rules of the Meeting

The purpose and rules of the meeting were presented by D. Henning.

It was explained that the aims of the meeting included the following:

- To provide an overview of the proposed project.
- To present the status of the Basic Assessment (BA) Process.
- To provide an overview of the Draft Basic Assessment Report (BAR) for the proposed **VGRWSS-II: Upgrading of the Existing Scheme**.
- To provide a platform for project-related discussions

D. Henning indicated that a separate BA Process is underway for the proposed groundwater abstraction at Source Development Area (SD) 1 in the Danielskuil area and SD2 in the Postmasburg area.

4. Overview of VGRWSS- Phase 2

- The background to the project was presented by Mr. J. Botha of Pro-Plan Engineering.
- An overview of the Draft BAR for the proposed **VGRWSS-II: Upgrading of the Existing Scheme** was presented by Mr. C. van der Hoven of Nemai Consulting.



5. Discussion

No.	Comment/ Query/ Issue	Raised by	Response
1.	Who is the assigned groundwater specialist for the project?	J. Gous	D. Henning indicated that the groundwater specialist is from Golder.
2.	The concern is that the previous groundwater study was done by Golder. How will the specialist be objective with this study? It was recommended that an independent specialist be appointed to oversee the work done by Golder.	W. Uys	D. Henning stated that they are currently looking to appoint an external groundwater specialist to review the groundwater study, due to the concerns raised and the sensitivity of the project.
3.	The boreholes need to be measured and monitored in order to have baseline data of the water levels, in order to determine impacts.	J. Lambrechts	D. Henning stated that the monitoring of the boreholes is critical and will form part of the Groundwater Management Programme that is being compiled by Golder.
4.	Can the landowners provide the groundwater specialist with their own baseline data of their boreholes on their properties?	H. Vlok	D. Henning indicated that this will be discussed with the groundwater specialist.
5.	Will the groundwater concerns not be discussed at these meetings?	W. Uys	D. Henning indicated that the meetings have been scheduled for the Upgrading of the Existing Scheme, and that the SD1 and SD2 have not been applied for yet. He added that all concerns raised previously by Interested and Affected Parties (IAPs) regarding the proposed groundwater abstraction have been incorporated into the Comments and Responses Report (CRR) and feedback has been provided by the project team. The CRR will be appended to the Draft BAR for SD1 and SD2 groundwater abstraction.
6.	It was previously mentioned to consider transferring the water from Douglas, from the Orange River, as the water quality of the Vaal River is very poor.	J. Gous	D. Henning indicated that during the pre-feasibility and feasibility studies, alternative water sources and options were looked at, and from those studies the most feasible option was identified and then taken forward.
7.	Are you planning to install a larger pipe or three small ones?	J. Gous	J. Botha indicated that the plan for the upgrading of the existing scheme is for the old pipe to be taken out and then to use the trench of the old pipe. Furthermore, the old pipe will be replaced with a larger pipe. Then we will look at replacing the pipe between Delpportshoop and Clifton Reservoir with an 800 mm steel pipe, then from Clifton Reservoir a 900 mm steel pipe. The reason for the 800 mm pipe is due to our analysis of what the cost implications of pumping water over a period of 50 years. The analysis shows that it will be more affordable to get an 800mm or a 900mm pipe after 50 years. But the pipe to Olifantshoek will be 23 km, with a 250 mm plastic pipe. The construction servitude will include a temporary widening of the permanent servitude by 15m from Delpportshoop to Olifantshoek.
8.	Is the capacity of the old and new pipe the same?	H. Vlok	J. Botha stated that the supply between Delpportshoop and Trewill pump station, based on the current design and previous recommendations from the feasibility studies and water demand study, is the same. The capacity



No.	Comment/ Query/ Issue	Raised by	Response
			of the new pipeline will depend on how much water will need to be pumped. The volume of water available in the Vaal River for this scheme is 13.27 million cubic meters per annum. At the moment additional water is not available in the river, as Phase 2 of the Lesotho Highlands project has not been implemented yet, which is anticipated in 2025. The volume is 13.27 million cubic meters per annum up to Trewill Pump Station, because thereafter the SD1 groundwater will then tie into the main pipeline and thus a higher capacity is required for the pipe.
9.	Will the pipeline be installed in the existing servitude, and what depth is required for the installation of the pipeline?	W. Uys	J. Botha indicated that the proposed pipeline will fall within the existing servitude. J. Botha indicated that they do not want the pipeline depth to be shallow, as the existing pipe was at a depth of 900mm. With this new pipeline the minimum cover will be around 1.2 m.
10.	The reality is that we don't have enough water for the pipeline. The splitting of the components is yet again an example that this process is just a tick-box exercise. The Lesotho project hasn't been completed yet and will take 15 years before the water reaches Delportshoop. Where will the water come from in the future?	J. Bredenkamp	D. Henning stated that the applications for the project components were split, as the SD1 and SD2 groundwater abstraction component is far more sensitive than the upgrading of the existing scheme. Sedibeng Water must first prove that they'll be able to abstract the water without impacting on the existing water users. With SD1 and SD2, the relevant authorisations (Environmental Authorisation and Water Use Licence) will first need to be issued before groundwater can be abstracted. D. Henning explained, by way of an example, that a project will not just receive authorisation, regardless of its strategic importance. The EIA needs to adequately address potentially significant environmental impacts. J. Botha added that the current pipeline is old and needs to be replaced.
11.	To add on to what J. Bredenkamp said, if the pipe was made larger from Delportshoop to Postmasburg, then we would know that the supply isn't only reliant on groundwater.	H. Vlok	D. Henning noted that the upgrading of the existing scheme can be regarded as a standalone project, which is not necessarily reliant on the proposed groundwater abstraction.
12.	What is the lifespan of the pipeline, once installed? There are already water issues in the area and you won't abstract groundwater here, forget it. No one here will support you. However, the existing pipeline needs to be replaced.	N. De Ath	J. Botha stated that the lifespan of the pipe is approximately 50 years.
13.	We have had prior issues with the mines. When Kolomela started with their own environmental impact study, we had a similar experience. They also conducted public participation and had public meetings. By the time the second meetings were held, we were too late because they had already acquired authorisation and we could not do anything about it. Will the public have a say in who the	C. Viljoen	D. Henning stated that that the project team will go back to Sedibeng Water in order to discuss the appointment of an external independent groundwater specialist. He requested that the attendees identify and provide details of an external specialist to review the groundwater studies. He also added that the intention was to convene a focus group meeting with representatives



No.	Comment/ Query/ Issue	Raised by	Response
	<p>external independent groundwater specialist will be that will review Golder's study?</p> <p>W. Uys added that the specialist, D. Vermeulen from the University of Free State, could be used.</p>		<p>from formal agricultural groups and the external specialist to discuss the groundwater concerns.</p>
14.	<p>The concerns are not related to the upgrading of the existing scheme, but with the groundwater abstraction.</p>	J. Gous	<p>D. Henning stated that the environmental assessment process will need to demonstrate that the project is sustainable and does not affect the existing water users.</p>
15.	<p>How will the pumping of the boreholes be monitored? He doubted whether the project will be stopped if one farmer is impacted.</p>	W. Uys	<p>D. Henning stated that as part of the appointment of the groundwater specialist to compile the Groundwater Management Programme, targets will need to be set to indicate when the pumping needs to stop once a specific level is reached.</p>
16.	<p>Groundwater is very important and every water user in this area is dependent on this water. Currently there is no water in the reservoir and the water supplied from Sedibeng is too expensive. There have been times where there is no water in the town. The concerns relate to the sustainable abstraction of groundwater. If those concerns are not addressed, then the whole process is flawed.</p>	M. Swart	<p>D. Henning stated that the environmental assessment process will need to demonstrate that the project is sustainable.</p>
17.	<p>What is the volume of water required for the project?</p>	N. De Ath	<p>J. Botha stated that the entire scheme has been designed to supply 28 million cubic meters per year.</p>
18.	<ol style="list-style-type: none"> 1. The gravity fed pipeline and the Beeshoek pipeline can't be pumped at the same time. Will this issue be addressed with this design? 2. The pipeline proposed for the upgrade of the existing scheme must be designed to have sufficient capacity to be able to abstract the full supply of 28 million cubic meters from the Vaal River. 	J. Kotze	<ol style="list-style-type: none"> 1. J. Botha indicated that the plan is to assess the pipeline from Postmasburg to Gloucester Reservoir, because if the pipelines are proficient enough then the pipelines can be operated in parallel. 2. D. Henning indicated that this concern will need to be discussed with the project team, and feedback will be provided.
19.	<p>What is the progress of the negotiations with Sedibeng Water and the end users, as well as with the funding of the project?</p>	A. Viljoen	<p>J. Botha stated that based on the monthly progress meetings with Sedibeng Water, it was indicated that the negotiations haven't been finalised as of yet, but there has been progress with the mines. He added that in terms of the financial aspects, Sedibeng Water is a state owned company and is dependent on funding from Treasury. It is approximately a 45% - 65% split between funding provided from the State and the mines.</p>
20.	<p>The concern is that in this area they have had droughts before, but have never had the water issues that they sit with today. Everyone comes here and pumps all the water they need and then leave, and then those of us who live here are left with nothing.</p>	J. Bredenkamp	<p>D. Henning indicated that the concern was noted and needs to be attended to as part of the BA Process for SD1 and SD2.</p>



No.	Comment/ Query/ Issue	Raised by	Response
21.	If the pipe was coming from Douglas, it is more cost effective and an easier task as there is water in the Orange River, unlike the dirty water from the Vaal River.	W. Uys	D. Henning indicated that during the pre-feasibility and feasibility stage, they would have looked at alternative sources. D. Henning added that the pre-feasibility and feasibility studies will be made available to the public. He indicated that a write-up on the previous alternative options investigated will also be provided in the Draft BAR to be provided to the public for review.
22.	Groundwater levels and the volume of water that can be abstracted is all based on assumptions. When the groundwater is pumped, we do not know how long it will take before we run out of water. We have heard from specialists that at Sishen by 2030 they will no longer be able to dewater from the mines, as there will be no groundwater left.	W. Uys	D. Henning indicated that as part of scope of the groundwater study, the specialist will need to indicate an area of influence showing all boreholes affected and what the drawdown levels will be.
23.	Will offtake points be available to the farmers directly affected by the pipeline?	H. Bredenkamp	J. Botha indicated that provision is made for the existing offtake points. D. Henning added that new offtake points will need to be registered.



6. Way Forward

Attendees were requested to submit any additional concerns or comments during the review period for the Draft BAR.

7. Closure

The meeting was closed at approximately 16H30.

Annexures:

1. Attendance Register
2. Presentations



ANNEXURE A:

ATTENDANCE REGISTER



	ATTENDANCE REGISTER Review of Draft Basic Assessment Report Public Meeting	Queries:	Donovan Henning ☎ 011 781 1730 ☎ 011 781 1731 ✉ donavanh@nemai.co.za
Applicant:		Project Name: Date: Time: Venue:	Vaal Gamagara Regional Water Supply Scheme Phase 2: Upgrading of the Existing Scheme 3 September 2019 14:30 – 17:00 Postmasburg NG Church, 22 Duiker Street, Postmasburg

Representative Name and Surname	Name of Organisation	Contact Details	Sign	Apologies
Walther van der Westhuizen	Pro-Plan	☎: 011 954 4441 ☎: 082 807 3527 ✉ wvdwesthuizen@proplansa.co.za		
Japie Botha	Pro-Plan	☎: 011 954 4441 ☎: 082 832 5897 ✉ jbotha@proplansa.co.za		
Desire Sibanda	King & Associates	☎: 018 464 4482 ✉ sibanda.desire@outlook.com		
Tekani Maswanganyi	King & Associates	☎: 018 464 4482 ☎: 078 120 1549 ✉ tekani@kinga.co.za		
Danford Rwazemba	King & Associates	☎: 018 464 4482 ☎: 074 026 7525 ✉ danford@kinga.co.za		
Donavan Henning	Nemai Consulting	☎: 011 781 1730 ☎: 082 891 0604 ✉ donavanh@nemai.co.za		
Christian Van Der Hoven	Nemai Consulting	☎: 011 781 1730 ✉ ChristianVdH@nemai.co.za		
Njabulo Mkhosana	NM Environmental	☎: 065 921 9371 ✉ nmkhosana@nmenvironmental.co.za		
WILLEM BRITZ	PRIVAAT	☎: 083 768 1291 ✉ willem.elna3@gmail.com		



Representative Name and Surname	Name of Organisation	Contact Details	Sign	Apologies
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Representative Name and Surname	Name of Organisation	Contact Details	Sign	Apologies
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Hannes de Wet	Agri NK	082 926 3406		✓
Mimi Swart	i Belastingbetalers vereniging. ii Raadslede	Swami5353@gmail.com 083 292 2540		



Representative Name and Surname	Name of Organisation	Contact Details	Sign	Apologies
Delecia Phete	PMG Mining	053 - 7236521 0823083187 delecia@pmgmining.co.za		
Johan Kotzé	Floradale	0829256032 johan.kotze@floradaleberdy.co.za		
Coenraad Kotzé	"	"	"	✓
Willie Uys	Lomateng	willie.uys66@gmail.com		



ANNEXURE B:

PRESENTATIONS



**REVIEW OF THE DRAFT BASIC ASSESSMENT REPORT (BAR): UPGRADING
OF THE VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME (VGRWSS)
PHASE 2**

PUBLIC MEETING DETAILS

Purpose of the Meeting: Review of the Draft BAR
Date of the Meeting: 04 September 2019
Time: 09H30 – 11H30
Venue: Diepkloof Community Hall, Cnr of Ipeleng & Ikanyeng Street,
Olifantshoek

ATTENDEES

- Nema Consulting
- Pro-Plan
- NM Environmental
- King and Associates
- VGRWSS-II: Affected landowners and community members

Please refer to **Annexure A** for a copy of the Attendance Register.

APOLOGIES

There were no apologies noted.



AGENDA

1. Welcome and Introduction

Mr. D. Henning of Nemaï Consulting welcomed everyone to the public meeting and introduced the members of the project team.

2. Attendance Register

The attendance register was circulated among the attendees and signed. Please refer to **Annexure A** for a copy of the Attendance Register.

3. Purpose and Rules of the Meeting

The purpose and rules of the meeting were presented by Mr. D. Henning.

It was explained that the aims of the meeting included the following:

- To provide an overview of the proposed project.
- To present the status of the Basic Assessment (BA) Process.
- To provide an overview of the Draft Basic Assessment Report (BAR) for the proposed **VGRWSS-II: Upgrading of the Existing Scheme**.
- To provide a platform for project-related discussions

D. Henning indicated that a separate BA Process is underway for the proposed groundwater abstraction at Source Development Area (SD) 1 in the Danielskuil area and SD2 in the Postmasburg area.

4. Overview of VGRWSS-Phase 2

- The background to the proposed project was presented by Mr. J. Botha of Pro-Plan Engineering.
- An overview of the Draft BAR for the proposed **VGRWSS-II: Upgrading of the Existing Scheme** was presented by Mr. C. van der Hoven of Nemaï Consulting.



5. Discussion

No.	Comment/ Query/ Issue	Raised by	Response
1.	Requested a copy of the public meeting presentation.	E. Mphatoe (Gamagara Local Municipality)	D. Henning indicated that a copy of the presentations will be provided.
2.	<ol style="list-style-type: none"> 1. In the presentation a servitude is mentioned. Who qualifies for that servitude, because there are a lot of farms traversed by the pipeline? Will it only be those parties who have the pipeline on their land? 2. You mentioned that you will return in February to tell us if the project will proceed or not. 3. When is it intended for the project to commence, should it be authorised? 	M. Selao (Water Forum)	<ol style="list-style-type: none"> 1. D. Henning stated the people who qualify are those who are directly affected by the pipeline servitude. There are specific regulations for the land acquisition process and the regulations make provision for the compensation of affected parties. Compensation will only apply to those parties directly affected by the construction of the pipeline. 2. D. Henning indicated that in terms of the Basic Assessment Process, once the Final BAR is submitted to the Department of Environment, Forestry and Fisheries, they will then review and make a decision. Everyone will be notified of the decision, and Interested and Affected Parties (I&APs) will have an opportunity to appeal. The appeal process will be explained as part of the notification. 3. D. Henning stated that if the Environmental Authorisation is granted and any appeals are lodged, then construction may not commence. The Environmental Authorisation will stipulate a validity period, which is normally a period of 5 years. If construction does not commence within that period, then an extension can be requested, and if not then they will need to start the entire process again. <p>J. Botha stated that construction should start within the following year. Due to the extent of the project, the construction period could take up to 10 years.</p>
4.	Given the capacity of the pipeline, what impact does the project have on Sedibeng Water's clients?	M. Selao (Water Forum)	J. Botha stated they are currently looking at a capacity of 22-28 million cubic meters per year, based on water demands. The volume of water abstracted from the Vaal River will also have an influence on size of the pipe, which is a risk for Sedibeng Water. If a smaller pipe is installed then years down the line there might be a demand for a bigger pipe.
5.	When are you scheduled to convene the public meetings for the proposed SD1 and SD2 groundwater abstraction project in Danielskuil and Postmasburg?	D. Rooi (Kathu Gazette/ Community Member)	D. Henning indicated that the meetings will probably be scheduled in October, 2019 and notifications will be provided to all registered I&APs.



6. Way Forward

Attendees were requested to submit any additional concerns or comments during the review period for the Draft BAR.

7. Closure

The meeting was closed at approximately 11H00.

Annexures:

1. Attendance Register
2. Presentation



ANNEXURE A:




ATTENDANCE REGISTER



	ATTENDANCE REGISTER Review of Draft Basic Assessment Report Public Meeting	Queries:	Donovan Henning ☎ 011 781 1730 ☎ 011 781 1731 ✉ donavanh@nema.co.za
Applicant:		Project Name:	Vaal Gamagara Regional Water Supply Scheme Phase 2: Upgrading of the Existing Scheme
		Date:	4 September 2019
		Time:	09:30 – 11:30
		Venue:	Diepkloof Community Hall, Cnr of Ipeleng & Ikanyeng Street, Olifantshoek

Representative Name and Surname	Name of Organisation	Contact Details	Sign	Apologies
Walther van der Westhuizen	Pro-Plan	☎ 011 954 4441 ☎ 082 807 3527 ✉ wvdwesthuizen@proplansa.co.za		
Japie Botha	Pro-Plan	☎ 011 954 4441 ☎ 082 832 5897 ✉ jbotha@proplansa.co.za		
Desire Sibanda	King & Associates	☎ 018 464 4482 ✉ sibanda.desire@outlook.com		
Tekani Maswanganyi	King & Associates	☎ 018 464 4482 ☎ 078 120 1549 ✉ tekani@kinga.co.za		
Danford Rwazemba	King & Associates	☎ 018 464 4482 ☎ 074 026 7525 ✉ danford@kinga.co.za		
Donavan Henning	Nemai Consulting	☎ 011 781 1730 ☎ 082 891 0604 ✉ donavanh@nema.co.za		
Christian Van Der Hoven	Nemai Consulting	☎ 011 781 1730 ✉ ChristianVdH@nema.co.za		
Njabulo Mkhosana	NM Environmental	☎ 065 921 9371 ✉ nmkhosana@nmenvironmental.co.za		
		☎ ☎ ☎		



Representative Name and Surname	Name of Organisation	Contact Details	Sign	Apologies
DEVINE KOOI	Kathu Gazette / Community Member	☎ 053 723 2000 ✉ 063559 9994 ✉ 100devine@gmail.com		
Emmanuel Mphahle	Gamaqira	☎ 053 723 6000 ✉ 083 6252621 ✉ mphulem@gamaqira.co.za		
Mphahle Soloo	Water Forum	☎ 053 3210 0002 ✉ 0761760102 ✉ mphahle@waterforum.co.za		
Victor Mulangisi	Kathu Gazette	☎ 078 245 4857 / 073 0979000 ✉ vicmulangisi@gmail.com		<input checked="" type="checkbox"/>
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ANNEXURE B:

PRESENTATIONS



**REVIEW OF DRAFT BASIC ASSESSMENT REPORT (BAR): UPGRADING OF
THE VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME (VGRWSS)
PHASE 2**

PUBLIC MEETING DETAILS

Purpose of the Meeting: Review of the Draft BAR
Date of the Meeting: 04 September 2019
Time: 14H00 – 16H30
Venue: Kgatelopele Municipal Town Hall, 222 Barker Street, Danielskuil

ATTENDEES

- Nema Consulting
- Pro-Plan
- King and Associates
- NM Environmental
- VGRWSS-II: Affected landowners and community members

Please refer to **Annexure A** for a copy of the Attendance Register.

APOLOGIES

An apology was noted for:

- Mr. J. Joubert



AGENDA

1. Welcome and Introduction

Mr. D. Henning of Nemaï Consulting welcomed everyone to the public meeting and introduced the members of the project team.

2. Attendance Register

The attendance register was circulated among the attendees and signed. Please refer to **Annexure A** for a copy of the Attendance Register.

3. Purpose and Rules of the Meeting

The purpose and rules of the meeting were presented by Mr. D. Henning.

It was explained that the aims of the meeting included the following:

- To provide an overview of the proposed project.
- To present the status of the Basic Assessment (BA) Process.
- To provide an overview of the Draft Basic Assessment Report (BAR) for the proposed **VGRWSS-II: Upgrading of the Existing Scheme**.
- To provide a platform for project-related discussions

D. Henning indicated that a separate BA Process is underway for the proposed groundwater abstraction at Source Development Area (SD) 1 in the Danielskuil area and SD2 in the Postmasburg area.

4. Overview of VGRWSS-Phase 2

- The background to the proposed project was presented by Mr. J. Botha of Pro-Plan Engineering.
- An overview of the Draft BAR for the proposed **VGRWSS-II: Upgrading of the Existing Scheme** was presented by Mr. C. van der Hoven of Nemaï Consulting.



5. Discussion

No.	Comment/ Query/ Issue	Raised by	Response
1.	1. Our experience with groundwater monitoring by Sedibeng Water in the area has not been reliable. They were supposed to monitor the project over 6 months, which was not done. The University of Free State is also undertaking a study on the groundwater, and they should be included in this project. 2. Will our farm roads be used for gaining access?	K. York (Papkuil Boerevereniging)	1. D. Henning explained that monitoring is a critical component of the Groundwater Management Programme. Consideration will be given to appointing an external independent specialist to review Golder's groundwater study. 2. J. Botha stated that existing roads will be used, as far as possible.
2.	1. Is the diameter of the pipe that will be installed larger than the existing pipe? 2. Security is crucial in this area. There is no problem with the upgrading of the existing pipeline. It needs to be maintained and the access routes to the pipeline must be supervised. Looking at the farms where Eskom powerlines and the railway runs through, their property values have reduced. That's the risk that the farmers face and no one wants that. 3. Noted that previous floods had damaged Eskom's powerlines and the poles needed to be moved. 4. The spoil from the project be reused to fill old quarries. You need to make sure that the environment is properly rehabilitated, because in the past no rehabilitation was done for other projects.	K. York (Papkuil Boerevereniging)	1. J. Botha indicated that the existing pipe is 680 mm and that the new proposed pipe is 800mm. 2. The socio-economic specialist will need to assess impacts to property values. 3. Noted. 4. To be considered further.
3.	Maintenance of the fences is important. The fences should always be closed. If left open, it becomes a problem as the jackals or caracals will enter the farm and kill the livestock, and you will struggle for months to get rid of them.	K. York (Papkuil Boerevereniging)	C. van der Hoven indicated that the Environmental Management Programme (EMPr) contains mitigation measures for impacts on the receiving environment during the pre-construction, construction and operational phases of the project. D. Henning added that K. York must download and review the EMPr and have a look at the measures provided, as it is an important document. It is a legally binding document for the contractor, and if not complied with, parties can speak to the Environmental Control Officer (ECO) who reports to the mandated authorities.
4.	Wetlands and Olive Trees are very important in our area.	K. York (Papkuil Boerevereniging)	D. Henning provided an overview of the wetland specialist study. The terrestrial ecological specialist accessed the impacts on the



No.	Comment/ Query/ Issue	Raised by	Response
			Olive Trees, which is provided in the Draft BAR and Terrestrial Ecological Impact Assessment Report.
5.	<ol style="list-style-type: none"> 1. The Municipality must be present at the focus group meeting, since municipal water will be utilised. 2. It might be beneficial if a representative from the PPC Mine at Lime Acres is invited to the meeting, because they also use groundwater as a source and not the water from the Vaal Gamagara Scheme. Finsch Mine makes use of water from the pipeline. 	K. York (Papkuil Boerevereniging)	<ol style="list-style-type: none"> 1. The Tsantsabane Municipality and Kgatelopele Municipality have been engaged with and will be kept informed. 2. The aim of the intended focus group meeting will be to discuss concerns of existing water users with regards to the proposed groundwater abstraction.
6.	Requested a link to download the electronic version of the Draft BAR, as well as a copy of the public meeting presentation.	K. York (Papkuil Boerevereniging)	C. van der Hoven indicated that an electronic link to the Draft BAR and copy of presentations will be provided.



6. Way Forward

Attendees were requested to submit any additional concerns or comments during the review period for the Draft BAR.

7. Closure

The meeting was closed at approximately 16H00.

Annexures:

1. Attendance Register
2. Presentations



ANNEXURE A:

ATTENDANCE REGISTER



	ATTENDANCE REGISTER Review of Draft Basic Assessment Report Public Meeting	Queries:	Donovan Henning ☎ 011 781 1730 ☎ 011 781 1731 ✉ donavanh@nemui.co.za
		Applicant:	

Representative Name and Surname	Name of Organisation	Contact Details	Sign	Apologies
Walther van der Westhuizen	Pro-Plan	☎ 011 954 4441 ☎ 082 807 3527 ✉ wvdwesthuizen@proplansa.co.za		
Japie Botha	Pro-Plan	☎ 011 954 4441 ☎ 082 832 5897 ✉ jbotha@proplansa.co.za		
Desire Sibanda	King & Associates	☎ 018 464 4482 ✉ sibanda.desire@outlook.com		
Tekani Maswanganyi	King & Associates	☎ 018 464 4482 ☎ 078 120 1549 ✉ tekani@kinga.co.za		
Danford Rwazemba	King & Associates	☎ 018 464 4482 ☎ 074 026 7525 ✉ danford@kinga.co.za		
Donavan Henning	Nemai Consulting	☎ 011 781 1730 ☎ 082 891 0604 ✉ donavanh@nemui.co.za		
Christian Van Der Hoven	Nemai Consulting	☎ 011 781 1730 ✉ ChristianVdH@nemui.co.za		
Njabulo Mkhosana	NM Environmental	☎ 065 921 9371 ✉ nmkhosana@nmenvironmental.co.za		
		☎ ☎ ✉		



Representative Name and Surname	Name of Organisation	Contact Details	Sign	Apologies
Katie York	Baptist/Deervang	072 306 9992 kyork@vodamail.co.za	[Signature]	
Jan Joubert	Privaat (KbV)	073 303 6786	[Signature]	X



ANNEXURE B:

PRESENTATIONS



**REVIEW OF THE DRAFT BASIC ASSESSMENT REPORT (BAR): UPGRADING
OF THE VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME (VGRWSS)
PHASE 2**

AUTHORITY MEETING DETAILS

Purpose of the Meeting: Review of Draft BAR
Date of the Meeting: 05 September 2019
Time: 10H00 – 12H30
Venue: Kgatelopele Municipal Town Hall, 222 Main Road, Danielskuil

ATTENDEES

- Nema Consulting
- Pro-Plan
- King and Associates
- NM Environmental
- Authorities

Please refer to **Annexure A** for a copy of the Attendance Register.

APOLOGIES

There were no apologies noted.



AGENDA

1. Welcome and Introduction

Mr. D. Henning of Nemaï Consulting welcomed everyone to the authorities meeting and introduced the members of the project team.

2. Attendance Register

The attendance register was circulated among the attendees and signed. Please refer to **Annexure A** for a copy of the Attendance Register.

3. Purpose and Rules of the Meeting

The purpose and rules of the meeting were presented by Mr. D. Henning.

It was explained that the aims of the meeting included the following:

- To provide an overview of the proposed project.
- To present the status of the Basic Assessment (BA) Process.
- To provide an overview of the Draft Basic Assessment Report (BAR) for the proposed **VGRWSS-II: Upgrading of the Existing Scheme**.
- To provide a platform for project-related discussions

D. Henning indicated that a separate BA Process is underway for the proposed groundwater abstraction at Source Development Area (SD) 1 in the Danielskuil area and SD2 in the Postmasburg area.

4. Overview of VGRWSS- Phase 2

- The background of the proposed project was presented by Mr. J. Botha of Pro-Plan Engineering.
- An overview of the Draft BAR for the proposed **VGRWSS-II: Upgrading of the Existing Scheme** was presented by Mr. C. van der Hoven of Nemaï Consulting.



5. Discussion

No.	Comment/ Query/ Issue	Raised by	Response
1.	T. Moleleki indicated that he is a representative from the Department of Rural Development and Land Reform. He indicated that their Department's main focus is to ensure that communities have access to basic services.	T. Moleleki (Department of Rural Development & Land Reform)	D. Henning explained the various project components. He noted that the majority of the concerns expressed to date relate to the proposed groundwater abstraction at SD1 and SD2.
2.	T. Moleleki asked whether the impacts on agricultural infrastructure has been assessed.	T. Moleleki (Department of Rural Development & Land Reform)	C. van der Hoven indicated that an Agricultural Impact Assessment was undertaken, which identified major agricultural practices in the area. D. Henning added that the Environmental Management Programme (EMPr) makes provision for managing impacts to agricultural activities during the pre-construction, construction and operational phases of the project. The construction servitude will be fenced off prior to construction. This serves to keep all construction activities in a defined area, within the construction servitude.
3.	Requested a link to the electronic version of the Draft BAR.	T. Moleleki (Department of Rural Development & Land Reform)	C. van der Hoven indicated that a link will be provided.



6. Way Forward

Attendees were requested to submit any additional concerns or comments during the review period for the Draft BAR.

7. Closure

The meeting was closed at approximately 11H10.

Annexures:



1. Attendance Register
2. Presentations



ANNEXURE A:

ATTENDANCE REGISTER



	ATTENDANCE REGISTER Review of Draft Basic Assessment Report Authority Meeting	Queries:	Donovan Henning ☎ 011 781 1730 ☎ 011 781 1731 ✉ donavanh@nemui.co.za
Applicant:		Project Name:	Vaal Gamagara Regional Water Supply Scheme Phase 2: Upgrading of the Existing Scheme
		Date:	5 September 2019
		Time:	09:30 – 12:00
		Venue:	Kgatelopele Municipal Town Hall, 222 Barker Street, Danielskuil

Representative Name and Surname	Name of Organisation	Contact Details	Sign	Apologies
Walther van der Westhuizen	Pro-Plan	☎ 011 954 4441 ☎ 082 807 3527 ✉ wvdwesthuizen@proplansa.co.za		
Japie Botha	Pro-Plan	☎ 011 954 4441 ☎ 082 832 5897 ✉ jbotha@proplansa.co.za		
Desire Sibanda	King & Associates	☎ 018 464 4482 ✉ sibanda.desire@outlook.com		
Tekani Maswanganyi	King & Associates	☎ 018 464 4482 ☎ 078 120 1549 ✉ tekani@kinga.co.za		
Danford Rwazemba	King & Associates	☎ 018 464 4482 ☎ 074 026 7525 ✉ danford@kinga.co.za		
Donavan Henning	Nemai Consulting	☎ 011 781 1730 ☎ 082 891 0604 ✉ donavanh@nemui.co.za		
Christian Van Der Hoven	Nemai Consulting	☎ 011 781 1730 ✉ ChristianVdH@nemui.co.za		
Njabulo Mkhosana	NM Environmental	☎ 065 921 9371 ✉ nmkhosana@nmenvironmental.co.za		
		☎ ☎ ✉		



ANNEXURE B:

PRESENTATIONS



VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME PHASE 2 (VGRWSS-II)

Public Meetings: 3 – 4 September 2019



1) OPENING AND WELCOME








AGENDA

No.	Agenda Items	Speaker
1	OPENING AND WELCOME	
2	ATTENDANCE AND APOLOGIES	Chairperson
3	PURPOSE OF AND RULES FOR THE MEETING	
4	PROJECT OVERVIEW	
4.1	<i>Background and Motivation</i>	Pro-Plan
4.2	<i>Project Description</i>	
5	OVERVIEW OF DRAFT BASIC ASSESSMENT REPORT	Nemai Consulting
6	DISCUSSION	All
7	CLOSURE	Chairperson

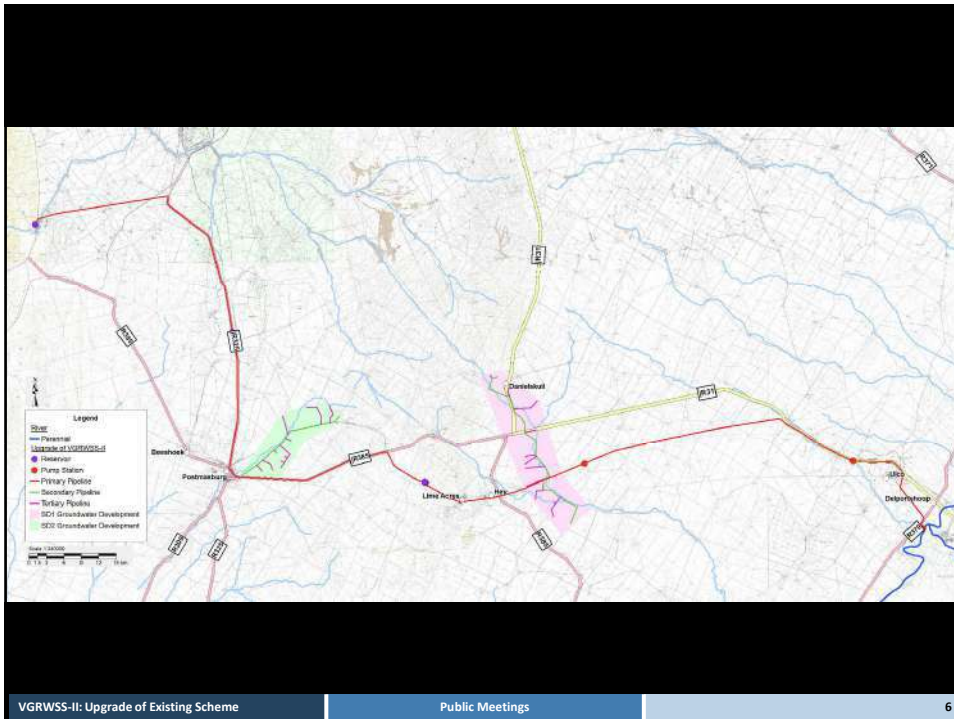
Please complete & sign the Attendance Register (provide email address)

PROJECT TEAM

Project Role	Affiliation	Representatives
Applicant	Sedibeng Water	➤ Ian Hasenjager 
Technical Team	Pro-Plan	➤ Walther van der Westhuizen ➤ Japie Botha 
	King & Associates	➤ Desire Sibanda ➤ Danford Rwazemba ➤ Tekani Maswangany 
EAP	Nemai Consulting	➤ Donovan Henning ➤ Christian van der Hoven 
Environmental Partner	NM Environmental	➤ Njabulo Mkhosana 

PURPOSE OF THE MEETING

- ❖ To provide an overview of the proposed project.
- ❖ To present the status of the Basic Assessment (BA) Process.
- ❖ To provide an overview of the Draft BA Report for the proposed **VGRWSS-II: Upgrading of the Existing Scheme**.
- ❖ To provide a platform for project-related discussions.



STATUS OF SD1 & SD2 GROUNDWATER ABSTRACTION

- ❖ Comments from IAPs – Separate CRR
- ❖ Groundwater Specialist
- ❖ Timeframe = September – October
- ❖ Groundwater management programme
 - ❖ Operating rules
 - ❖ Management requirements
 - ❖ Monitoring
 - ❖ Roles and responsibilities

RULES FOR THE MEETING

- ❖ Questions to relate to project at hand
- ❖ Opportunities for seeking clarification at end of presentations
- ❖ Address project team through facilitator
- ❖ Identify yourself before asking a question
- ❖ Meeting closing time
- ❖ Cell phones off, please

4) PROJECT OVERVIEW

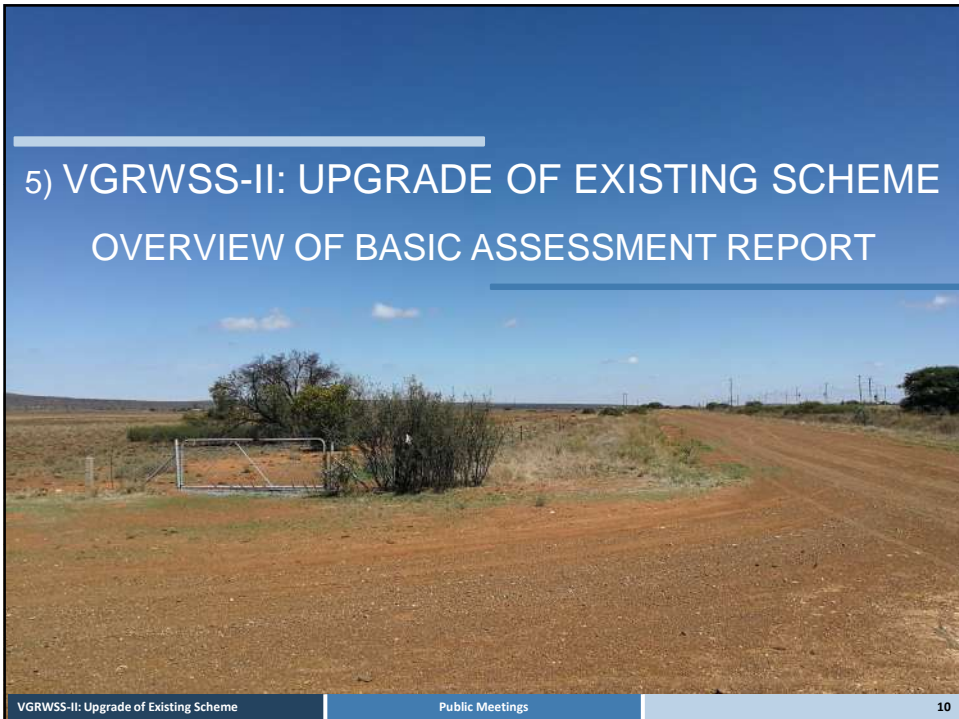


VGRWSS-II: Upgrade of Existing Scheme

Public Meetings

9

5) VGRWSS-II: UPGRADE OF EXISTING SCHEME OVERVIEW OF BASIC ASSESSMENT REPORT



VGRWSS-II: Upgrade of Existing Scheme

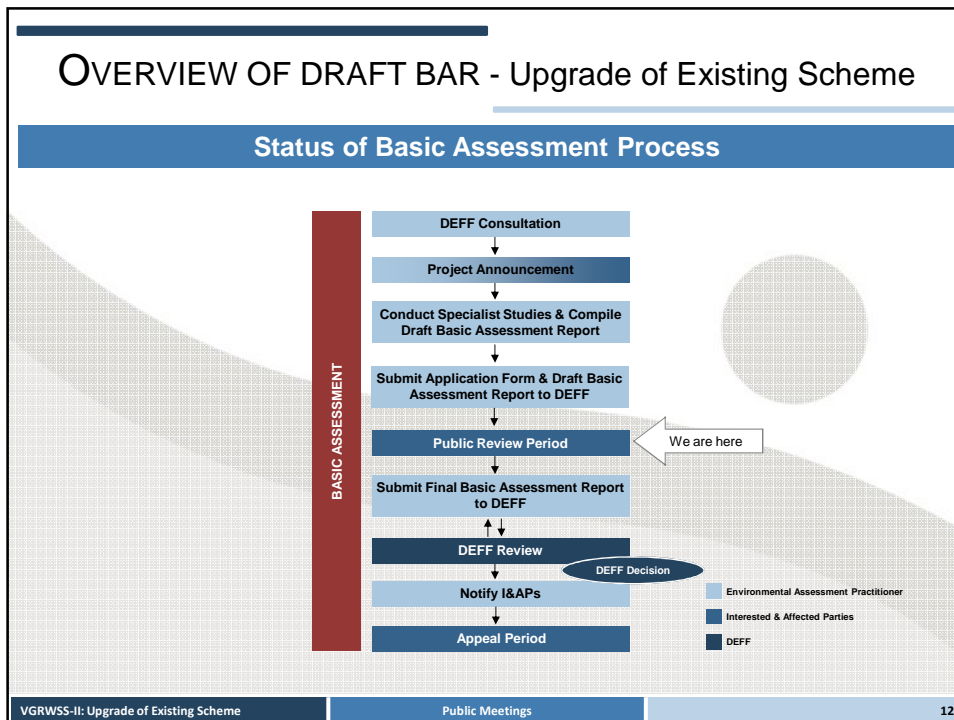
Public Meetings

10

ENVIRONMENTAL ASSESSMENTS

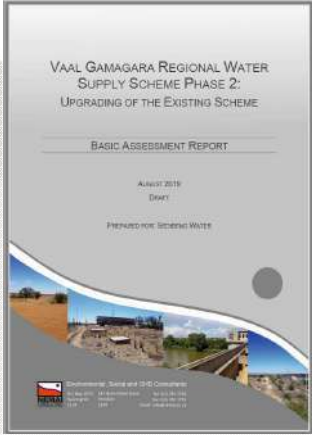
Project Component	NEMA	MPRDA	NWA
1 VGRWSS-II: Upgrade of Existing Scheme (Focus of this BAR)	Basic Assessment – application to Department of Environment, Forestry and Fisheries (DEFF)		Water Use Authorisation Process – application to Department of Human Settlements, Water and Sanitation (DHSWS)
2 SD1 & SD2 Groundwater Abstraction	Basic Assessment – application to DEFF		
3 Borrow Pits	Scoping & EIA – application to Department of Mineral Resources and Energy (DMRE)		

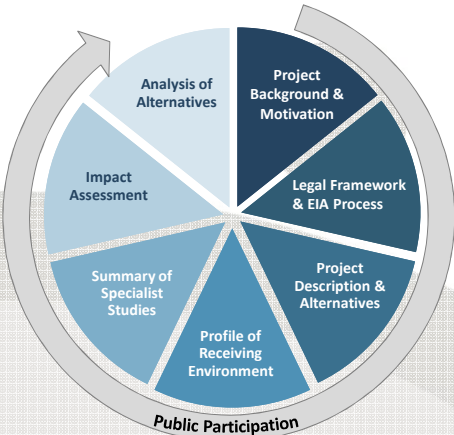
VGRWSS-II: Upgrade of Existing Scheme Public Meetings 11



OVERVIEW OF DRAFT BAR - Upgrade of Existing Scheme

Content of Basic Assessment Report





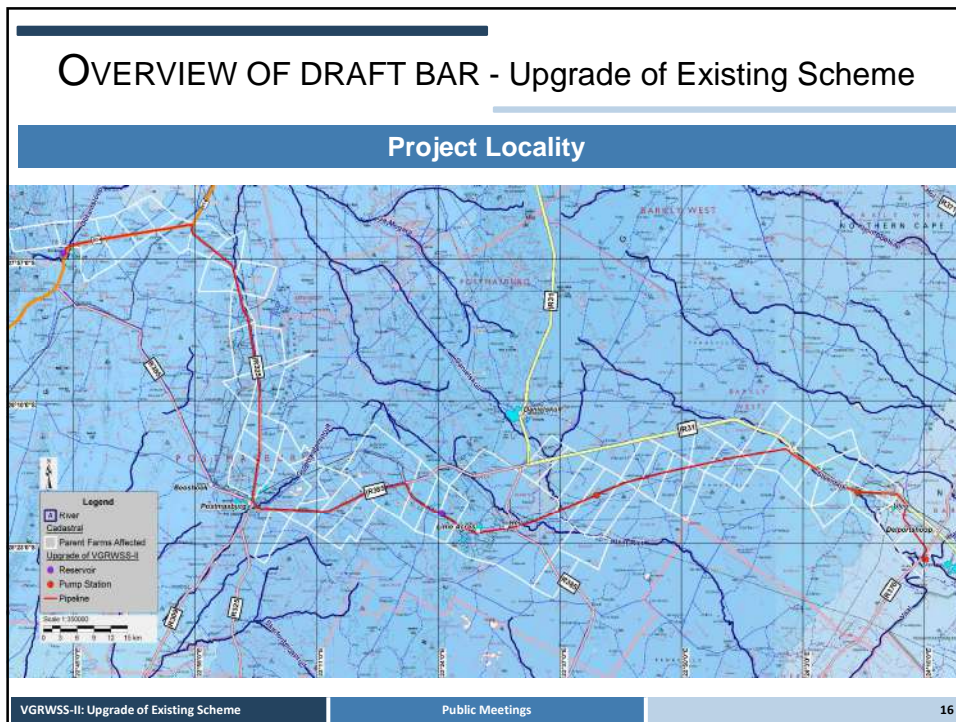
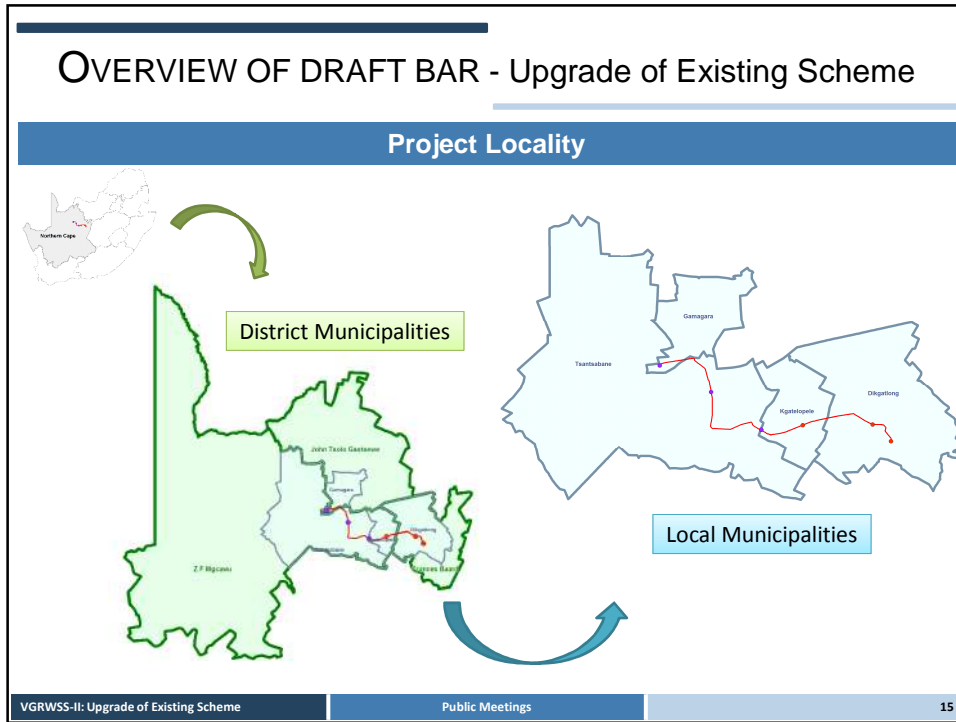
VGRWSS-II: Upgrade of Existing Scheme
Public Meetings
13

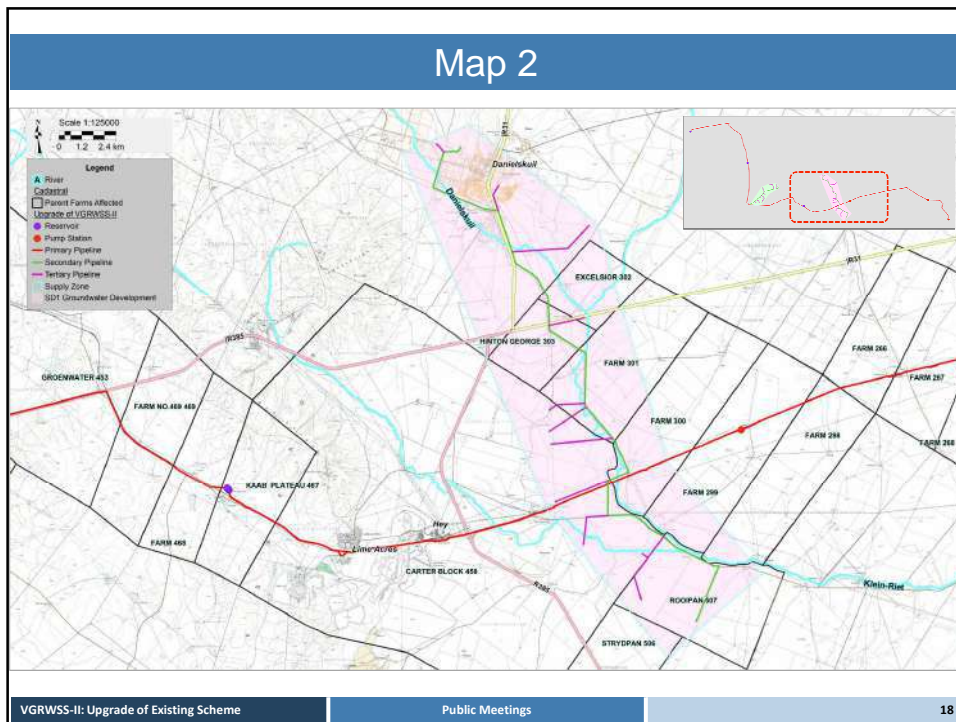
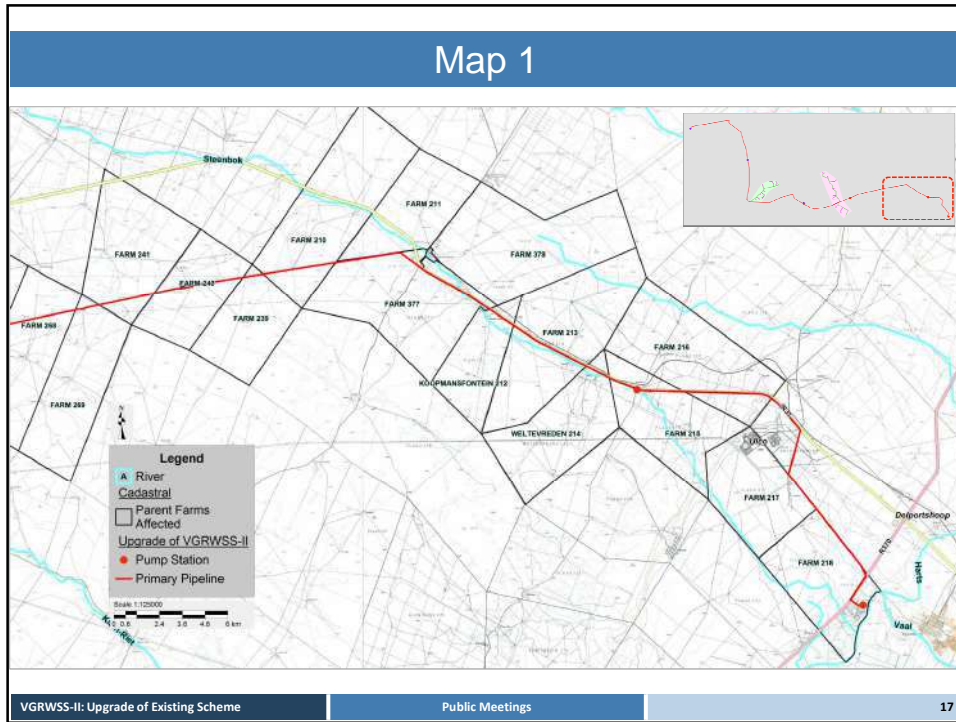
OVERVIEW OF DRAFT BAR - Upgrade of Existing Scheme

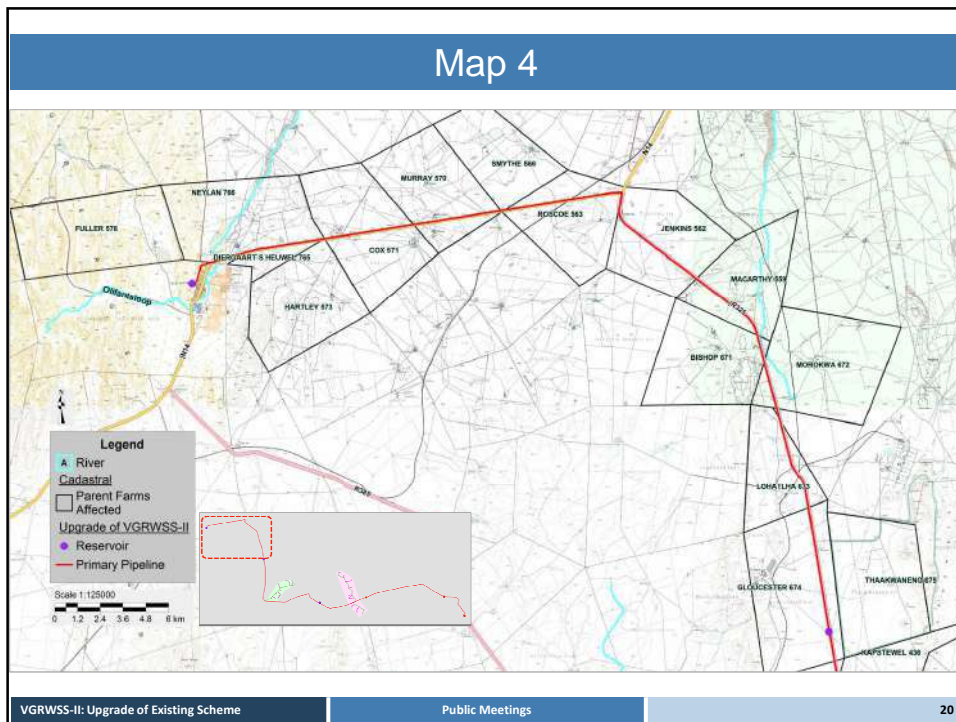
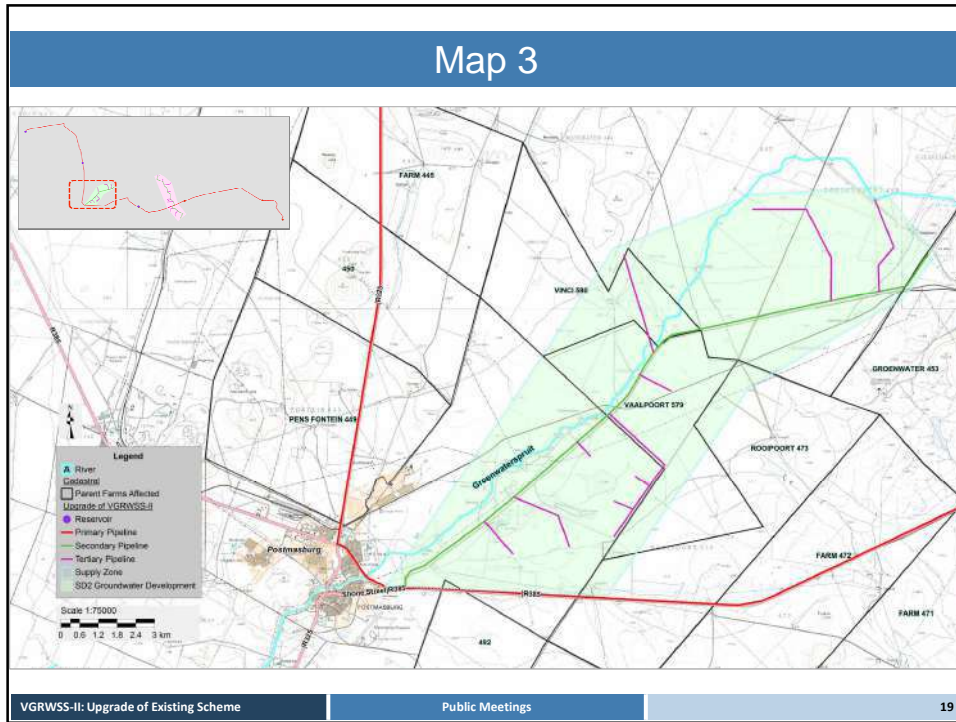
Environmental Legal Framework

Constitution of the Republic of South Africa, (No. 108 of 1996)		
National Environmental Management Act (No. 107 of 1998)		
<input checked="" type="checkbox"/>	EIA Regulations (as amended):	DEFF
<input checked="" type="checkbox"/>	• GN No. 982 of 4 December 2014	
<input checked="" type="checkbox"/>	• GN No. 983 of 4 December 2014	
<input checked="" type="checkbox"/>	• GN No. 984 of 4 December 2014	
<input checked="" type="checkbox"/>	• GN No. 985 of 4 December 2014	
<input checked="" type="checkbox"/>	Mineral and Petroleum Resources Development Act (Act No. 28 of 2002)	DMRE
<input checked="" type="checkbox"/>	National Water Act (Act No. 36 of 1998)	DHSWS
	National Environmental Management Air Quality Act (Act No. 39 of 2004)	
	National Environmental Management: Biodiversity Act, 2004 (Act No. 10 of 2004)	
	National Environmental Management: Waste Act (Act No. 59 of 2008)	
	National Forests Act (No. 84 of 1998)	
	Occupational Health & Safety Act (Act No. 85 of 1993)	
	National Heritage Resources Act (Act No. 25 of 1999)	
	Other...	

VGRWSS-II: Upgrade of Existing Scheme
Public Meetings
14







OVERVIEW OF DRAFT BAR - Upgrade of Existing Scheme

Timeframes

Task Name	Timeframes
Project Announcement	29 March – 06 May 2019
Specialist Studies	April – May 2019
Draft BAR - Public Review Period	Aug – Sep 2019
Finalise & Submit BAR to DEFF	Oct 2019
DEFF Review & Decision on BAR	November 2019
Notification of Decision	February 2020

OVERVIEW OF DRAFT BAR - Upgrade of Existing Scheme

Public Participation

❖ Announcement (01 April – 06 May 2019):

- Onsite Notices
- Newspaper Notices
- Background Information Documents & Reply Forms
- Registration of I&APs



OVERVIEW OF DRAFT BAR - Upgrade of Existing Scheme

Public Meetings (9-10 April 2019)



Date	9 April 2019		10 April 2019	
Area	Delportshoop	Lime Acres	Postmasburg	Olifantshoek
Time	09h30 – 12h00	14h30 – 17h00	09h00 - 11h30	14h00 - 16h30
Venue	Tsholofelo Hall, Tidimalo, Delportshoop	Kgatelopele Municipal Town Hall, 222 Barker Street, Danielskuil	Postmasburg NG Kerk Church Centre, 12 Duiker Street, Postmasburg	Diepkloof Community Hall, Kagiso Street/Toto Street, Olifantshoek

OVERVIEW OF DRAFT BAR - Upgrade of Existing Scheme

Public Participation

❖ Review of Draft BAR (27 August – 30 September 2019):

- Onsite Notices
- Newspaper Notices
- Emails and SMS's
- Public Meetings

Newspaper Notices

- DFA
- Kathu Gazette
- Noordkaap

Copies of Draft BAR - Locations

- Delportshoop Library
- Kgatelopele Library
- Postmasburg Public Library
- Olifantshoek Public Library
- Lime Acres Public Library

Date	3 September 2019 (Tuesday)		4 September 2019 (Wednesday)	
Area	Ulco (Dikgatlong LM)	Postmasburg (Tsantsabane LM)	Olifantshoek (Gamagara LM)	Danielskuil (Kgatelopele LM)
Time	09h30 – 12h00	14h30 - 17h00	09h30 - 11h30	14h00 – 16h30
Venue	Richetts Hall (Boere Saal), Club Circle, Ulco	Postmasburg NG Church, 22 Duiker Street, Postmasburg	Diepkloof Community Hall, Cnr of Ipeleng & Ikanyeng Street, Olifantshoek	Kgatelopele Municipal Town Hall, 222 Barker Street, Danielskuil

OVERVIEW OF DRAFT BAR - Upgrade of Existing Scheme

Public Participation

❖ Website:

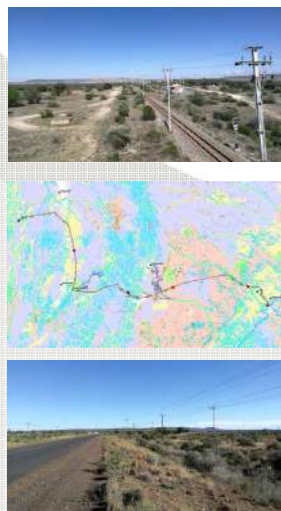
The screenshot shows the NEMAI CONSULTING website. At the top is a navigation menu with links for HOME, ABOUT US, ENVIRONMENTAL, SOCIAL, OCCUPATIONAL HEALTH & SAFETY, CERTIFICATION, and CONTACT. Below the menu is a section titled "DOCUMENTS AVAILABLE FOR DOWNLOAD" with the following list:

- ▣ Proposed Roads and Stormwater Infrastructure for Soshanguve Block L In City of Tshwane Municipality Draft WULA
- ▣ Proposed Vaal Gamagara Regional Water Supply Scheme Phase 2 (VGRWSS-II)
 - VGRWSS-II: Upgrading of the Existing Scheme – Draft Basic Assessment Report
 - Appendix A
 - Appendix B
 - Appendix C
 - Appendix D
 - Appendix E
 - Appendix F
 - Appendix G
 - Appendix H
 - Appendix I

At the bottom of the screenshot is the URL: <http://www.nemai.co.za/environmental.html>

OVERVIEW OF DRAFT BAR - Upgrade of Existing Scheme

Profile of the receiving environment



- Land Use & Land Cover
- Climate
- Geology
- Geohydrology
- Soils
- Topography
- Surface Water
- Flora
- Fauna
- Socio-Economic Environment
- Agriculture
- Air quality
- Noise
- Historical and Cultural Features
- Planning
- Existing Structures & Infrastructure
- Transportation
- Aesthetic Qualities




OVERVIEW OF DRAFT BAR - Upgrade of Existing Scheme

Specialist Studies

- ❖ Terrestrial Ecological Impact Assessment
- ❖ Wetland and Aquatic Assessment
- ❖ Heritage Impact Assessment
- ❖ Palaeontological Impact Assessment
- ❖ Agricultural Impact Assessment
- ❖ Socio-Economic Impact Assessment

Key findings of specialist studies follow



VGRWSS-II: Upgrade of Existing Scheme
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OVERVIEW OF DRAFT BAR - Upgrade of Existing Scheme

Terrestrial Ecological Impact Assessment

- ❖ **Flora** –
 - ❑ Encroachment into Northern Cape Conservation Plan (e.g. CBA 1 & 2 regions, ESA regions, and Other Natural Areas)
 - ❑ Protected plants (e.g. *Olea europaea subsp. Africana*)
 - ❑ Protected trees (e.g. *Vachellia (Acacia) erioloba*)
- ❖ **Fauna** –
 - ❑ Protected species
- ❖ **Mitigation measures**, e.g. –
 - ❑ **Permits** required from DAFF and DENC
 - ❑ Sensitivity **walk down survey** prior to construction






VGRWSS-II: Upgrade of Existing Scheme
Public Meetings
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OVERVIEW OF DRAFT BAR - Upgrade of Existing Scheme

Wetland and Aquatic Assessment

- ❖ Key findings –
 - ❑ Total of **61 individual HGM units** were identified within the study area, were grouped into **12 wetland groups**
 - ❑ Wetland Groups 3, 4, 9, 11 and 12 are the most intact and are in a largely natural state
 - ❑ Wetland Groups 4, 5, 6, 10, 11 and 12 are considered to be the most ecologically important and sensitive
 - ❑ Aquatic habitat is limited on site and the risks = **low**
- ❖ Buffer – 32m
- ❖ DWS Risk Matrix – Low = General Authorisation
- ❖ Mitigation measures
- ❖ No fatal flaws identified

VGRWSS-II: Upgrade of Existing Scheme
Public Meetings
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OVERVIEW OF DRAFT BAR - Upgrade of Existing Scheme

Heritage Impact Assessment

- ❖ Key findings –
 - ❑ **Minimal traces** of in-situ archaeological materials
 - ❑ Significance of impact = **low**
 - ❑ Graves were found at **two localities** within the proposed route.
- ❖ Mitigation measures –
 - ❑ Chance finds





VGRWSS-II: Upgrade of Existing Scheme
Public Meetings
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OVERVIEW OF DRAFT BAR - Upgrade of Existing Scheme

Palaeontological Impact Assessment

❖ Key findings –

- ❑ Kalahari Group (**High Sensitivity**);
- ❑ Dwyka Group, Karoo Supergroup. (Low Sensitivity);
- ❑ Matsap Subgroup, Volop Group, Olifantshoek Supergroup (Low Sensitivity);
- ❑ Gamagara Fm, Olifantshoek Supergroup (Low Sensitivity);
- ❑ Ongeluk Fm, Postmasburg Group Transvaal Supergroup (Moderate Sensitivity);
- ❑ Asbestos Hills, and Campbell Rand Subgroup, Ghaap Group, Transvaal Supergroup (Moderate Sensitivity); and
- ❑ Vryburg Fm, Transvaal Supergroup (**Moderate to High Sensitivity**).

❖ Mitigation measures –

- ❑ A **Phase 1 PIA** document of the Kalahari and Vryburg Formations must be conducted
- ❑ “**Chance Find Protocol**” must be completed during the first month of excavation.

OVERVIEW OF DRAFT BAR - Upgrade of Existing Scheme

Agricultural Impact Assessment

❖ Land Uses –

- ❑ Grazing is dominant: 2 033 ha
- ❑ Infrastructure and mining: 235 ha
- ❑ Irrigated land:
 - Ulco: maximum of 1,3 ha



❖ Impacts –

- ❑ No permanent loss of **high potential land**
- ❑ Significance and magnitude of the loss of grazing land = **low / temporary**
- ❑ **Entrances** to some farms will be affected and needs to be managed
- ❑ Some farm infrastructure will be lost and has to be replaced
- ❑ Fencing of farms needs to be **maintained** where construction is taking place

OVERVIEW OF DRAFT BAR - Upgrade of Existing Scheme

Socio-Economic Impact Assessment

- ❖ **Situational analysis** describing the socio-economic status of the study area
- ❖ Targeted **stakeholder engagement**
- ❖ Impact assessment and recommended mitigation measures
- ❖ **Potential impacts** –
 - Providing additional, secured water supply
 - Land acquisition and servitude rights acquisition
 - Impacts during the construction phase, e.g. –
 - Economic opportunity (SMME, job creation and skills development)
 - Noise and dust
 - Health and safety
 - Damage to property
 - Local road condition and traffic impacts
- ❖ **No socio-economic fatal flaws were identified**



OVERVIEW OF DRAFT BAR - Upgrade of Existing Scheme

Impact Assessment

- ❖ **Identification of Impacts** –
 - An appraisal of the **project activities and components**
 - Impacts associated with **listed activities** contained in GN No. R. 983, R. 984 and R. 985 of 4 December 2014, as amended
 - An assessment of the receiving biophysical, social, economic and built environment
 - Findings from **specialist studies**
 - Issues highlighted by **environmental authorities**
 - Comments received during **public participation** from IAPs.

OVERVIEW OF DRAFT BAR - Upgrade of Existing Scheme

Impact Assessment & Mitigation Measures

1. Land Use & Land Cover
2. Climate
3. Geology
4. Geohydrology
5. Soils
6. Topography
7. Surface Water
8. Flora
9. Fauna
10. Socio-Economic Environment
11. Agriculture
12. Air quality
13. Noise
14. Historical and Cultural Features
15. Planning
16. Existing Structures & Infrastructure
17. Transportation
18. Waste Disposal Facilities
19. Aesthetic Qualities
20. Tourism

EMPr

VGRWSS-II: Upgrade of Existing SchemePublic Meetings35

OVERVIEW OF DRAFT BAR - Upgrade of Existing Scheme


Impact Assessment & Mitigation Measures

Examples of Potential Impacts follow

Note the following:

- Details of impact assessment included in the BAR
- Comprehensive list of mitigation measures included in the EMPr




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Examples of Potential Impacts	Feature	Impact
	Geology and Soil	<ul style="list-style-type: none"> Impacts associated with the sourcing of construction material and loss of topsoil Soil erosion (land clearance and construction activities) Soil pollution e.g. hydrocarbon and cement spillages Compaction and erosion of removed and stockpiled soils Soil contamination from incorrect storage/handling/disposal of hazardous waste Soil contamination through spillages and leakages Soil contamination due to mismanagement and/or incorrect storage of hazardous chemicals Poor stormwater management during construction
	Flora	<ul style="list-style-type: none"> Loss of sensitive vegetation and habitat Damage and loss of vegetation of conservation significance Proliferation of exotic vegetation in disturbed areas Damage to vegetation in surrounding areas Destruction of potential Red Data Listed and protected flora species during site clearing and construction Disturbance of sensitive plant species if relocated
	Fauna	<ul style="list-style-type: none"> Loss of habitat through site clearing and construction Illegal killing or hunting of mammals Killing of snakes during construction phase due to poor environmental education procedures Potential harm to and/or death of fauna due to pollution, littering and/or vehicle movement on site. Damage / clearance of habitat of conservation importance Loss of fauna species of conservation significance Obstruction to animal movement corridors
		
VGRWSS-II: Upgrade of Existing Scheme		Public Meetings
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Examples of Potential Impacts	Feature	Impact
	Air Quality	<ul style="list-style-type: none"> Excessive dust levels. Greenhouse gas emissions (use of construction vehicles, machinery/equipment, and diesel generators)
	Transportation	<ul style="list-style-type: none"> Construction-related traffic Increase in traffic on the local road network Damage to roads by heavy construction vehicles Risks to road users
	Noise	<ul style="list-style-type: none"> Localised noise increase Noise nuisance
	Aesthetics	<ul style="list-style-type: none"> Reduction in visual quality of area
	Safety and Security	<ul style="list-style-type: none"> Safety risk to landowners and surrounding communities
	Waste Management	<ul style="list-style-type: none"> Waste generated from site preparations (e.g. plant material) Domestic waste Surplus and used building material Hazardous waste (e.g. chemicals, oils, soil contaminated by spillages, diesel rags) Disposal of excess spoil material (soil and rock) generated as part of the bulk earthworks Land, air and water pollution through poor waste management practices
		
VGRWSS-II: Upgrade of Existing Scheme		Public Meetings
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Examples of Potential Impacts

Feature	Impact
Socio – Economic	<ul style="list-style-type: none"> • Generation of employment opportunities for local people and SMME's (positive). • Contribution to local economy (positive). • Conflicted land uses. • Nuisance from noise, dust and increased traffic. • Safety and security. • Damage to property or equipment
Heritage Resources	<ul style="list-style-type: none"> • Damage to heritage resources.
Watercourses	<ul style="list-style-type: none"> • Damage to the structure and functioning of watercourses due to construction activities • Direct loss, disturbance and degradation of wetlands • Increased bare surfaces, runoff and potential for erosion • Degradation of wetland and riparian zone vegetation and the introduction and spread of alien and invasive vegetation • Increased sediment loads to downstream reaches • Contamination of watercourses with hydrocarbons due to leaks and spillages from machinery, equipment & vehicles • Disruption of wetland soil profile and alteration of hydrological regime

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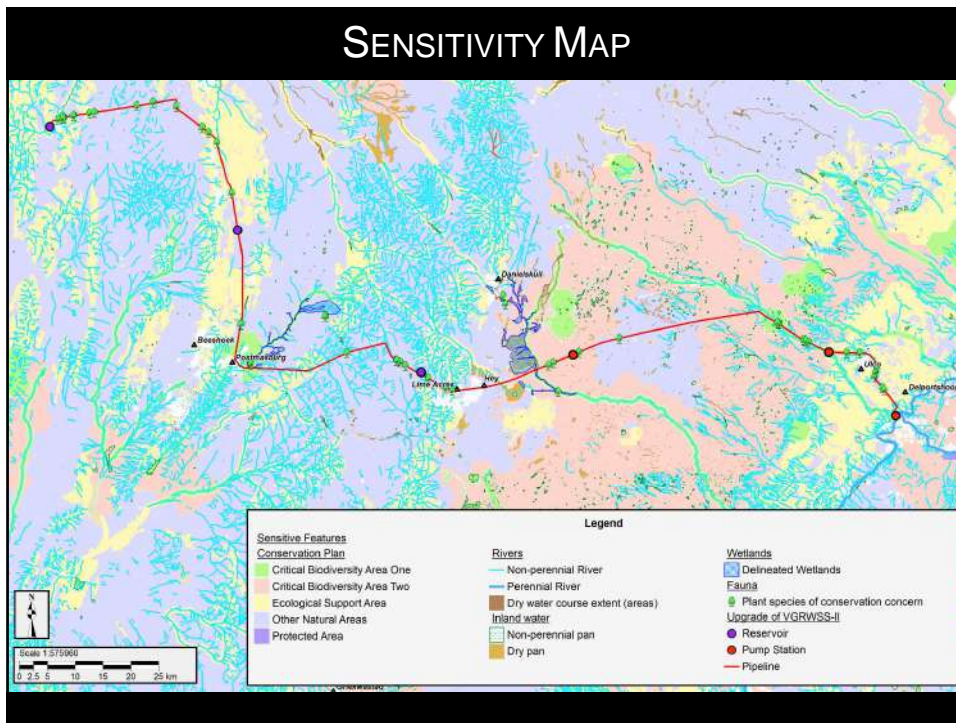
OVERVIEW OF DRAFT BAR - Upgrade of Existing Scheme

Conclusions and Recommendations

❖ Sensitive Features –

- ❑ Watercourses (non-perennial rivers, drainage lines, wetlands)
- ❑ Heritage and archaeological sites
- ❑ Sensitive fauna and flora species
- ❑ CBA 1, CBA 2, ESAs and other natural areas.
- ❑ Existing infrastructure and structures
- ❑ Safety and security
- ❑ Traffic on public and private roads

VGRWSS-II: Upgrade of Existing Scheme Public Meetings 40



OVERVIEW OF DRAFT BAR - Upgrade of Existing Scheme

Conclusions and Recommendations

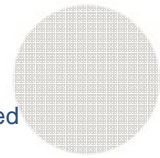
- ❖ Sensitive environmental features
- ❖ Environmental Impact Statement:
 - Key mitigation measures
 - Engagement with I&APs
 - Critical environmental activities - project life-cycle

VGRWSS-II: Upgrade of Existing Scheme
Public Meetings
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OVERVIEW OF DRAFT BAR - Upgrade of Existing Scheme


Conclusions and Recommendations

- ❖ Sensitive environmental features
- ❖ Environmental Impact Statement
- ❖ Recommendations:
 - ❑ Environmental sensitivity walk through survey
 - ❑ Traffic monitoring programme and roads to be maintained
 - ❑ Land acquisition and compensation process
 - ❑ Recommendations from Environmental Specialists
 - ❑ Monitoring –
 - Baseline Monitoring
 - Environmental Monitoring
 - Compliance Monitoring and Auditing





6) DISCUSSION





Thank you









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EIA MATTERS

Listed Activities - Listing Notice 1

<p>GN983 Activity 9</p>	<p>The development of infrastructure exceeding 1000 metres in length for the bulk transportation of water or storm water-</p> <p>(i) with an internal diameter of 0,36 metres or more; or</p> <p>(ii) with a peak throughput of 120 litres per second or more; excluding where-</p> <p>(a) such infrastructure is for bulk transportation of water or storm water or storm water drainage inside a road reserve or railway line reserve; or</p> <p>(b) where such development will occur within an urban area.</p>	<p>The project entails the transportation of water in pipelines exceeding 1000m in length and 0.36m in internal diameter.</p> <ul style="list-style-type: none"> Replacing of Pipeline from Beeshoek Connection to Roscoe; Replacing of Pipeline between Clifton and Beeshoek Connection; Replacing of the Rising Main from Delpportshoop to Kneukel; Replacing of the Rising Main from Kneukel to Trewill; Replacing of the Rising Main from Trewill to Clifton; and Refurbishment of Gravity Main from Roscoe to Olifantshoek.
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VGRWSS-II: Upgrade of Existing Scheme
Public Meetings
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EIA MATTERS

Listed Activities - Listing Notice 1

GN983 Activity 12	The development of - (i) dams or weirs, where the dam or weir, including infrastructure and water surface area, exceeds 100 square metres; or (ii) infrastructure or structures with a physical footprint of 100 square metres or more; where such development occurs - (a) within a watercourse; (c) if no development setback exists, within 32 metres of a watercourse, measured from the edge of a watercourse	Various infrastructure and structures with a physical footprint of 100 square metres or more within watercourse(s) / within 32 m from watercourse(s), including: <ul style="list-style-type: none"> Pipeline crossings; Access roads' crossings; and Encroachments by other project infrastructure (to be confirmed).
GN983 Activity 19	The infilling or depositing of any material of more than 10 cubic metres into, or the dredging, excavation, removal or moving of soil, sand, shells, shell grit, pebbles or rock of more than 10 cubic metres from a watercourse;	








VGRWSS-II: Upgrade of Existing Scheme
Public Meetings
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EIA MATTERS

Listed Activities - Listing Notice 1

GN983 Activity 13	The development of facilities or infrastructure for the off-stream storage of water, including dams and reservoirs, with a combined capacity of 50 000 cubic metres or more, unless such storage falls within the ambit of activity 16 in Listing Notice 2 of 2014.	Current storage for VGG Delpportshoop, Kneukel, Trewill, Clifton and Gloucester is $10+0.9+0.9+27+6.75 = 45.55$ MI (50 000 cubic metres = 50 MI) Possibility to develop new storage at Kneukel, Trewill, Clifton and Gloucester with capacity of $8+10+90+14 = 122$ MI
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VGRWSS-II: Upgrade of Existing Scheme
Public Meetings
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EIA MATTERS

Listed Activities - Listing Notice 1

GN983 Activity 14	The development and related operation of facilities or infrastructure, for the storage, or for the storage and handling, of a dangerous good, where such storage occurs in containers with a combined capacity of 80 cubic metres or more but not exceeding 500 cubic metres.	“Dangerous goods” that are likely to be associated with the greater project, are fuel stores, as well as any dangerous goods to be used during the construction phase. Threshold of 80 m ³ is expected to be exceeded. Fuel and other dangerous goods will be stored at all site establishments.
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VGRWSS-II: Upgrade of Existing Scheme
Public Meetings
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EIA MATTERS

Listed Activities - Listing Notice 1




GN983 Activity 31	The decommissioning of existing facilities, structures or infrastructure for - (i) any development and related operation activity or activities listed in this Notice, Listing Notice 2 of 2014 or Listing Notice 3 of 2014; (ii) any expansion and related operation activity or activities listed in this Notice, Listing Notice 2 of 2014 or Listing Notice 3 of 2014; (iii) (iv) any phased activity or activities for development and related operation activity or expansion or related operation activities listed in this Notice or Listing Notice 3 of 2014; or (v) any activity regardless the time the activity was commenced with, where such activity: (a) is similarly listed to an activity in (i) or (ii) above; and (b) is still in operation or development is still in progress;	The replacement of the existing sections of pipeline will take place within the exiting servitude. The intention is for the existing pipelines to be decommissioned. Confirmation will be provided whether these pipelines will remain in situ (to be confirmed based on geotechnical investigations). Decommissioning of fuel storage areas after construction.
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VGRWSS-II: Upgrade of Existing Scheme
Public Meetings
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EIA MATTERS

Listed Activities - Listing Notice 1

<p>GN983 Activity 24</p>	<p>The development of a road - (i) for which an environmental authorisation was obtained for the route determination in terms of activity 5 in Government Notice 387 of 2006 or activity 18 in Government Notice 545 of 2010; or (ii) with a reserve wider than 13,5 meters, or where no reserve exists where the road is wider than 8 metres; but excluding a road - (a) which is identified and included in activity 27 in Listing Notice 2 of 2014; (b) where the entire road falls within an urban area; or (c) which is 1 kilometre or shorter.</p>	<p>Access roads to the various sites (construction and operational phases) are expected to exceed thresholds. Dimensions to be confirmed.</p>
<p>GN983 Activity 56</p>	<p>The widening of a road by more than 6 metres, or the lengthening of a road by more than 1 kilometre - (i) where the existing reserve is wider than 13,5 meters; or (ii) where no reserve exists, where the existing road is wider than 8 metres; excluding where widening or lengthening occur inside urban areas.</p>	<p>Access roads to the various sites (construction and operational phases). Dimensions to be confirmed.</p>

EIA MATTERS

Listed Activities - Listing Notice 1

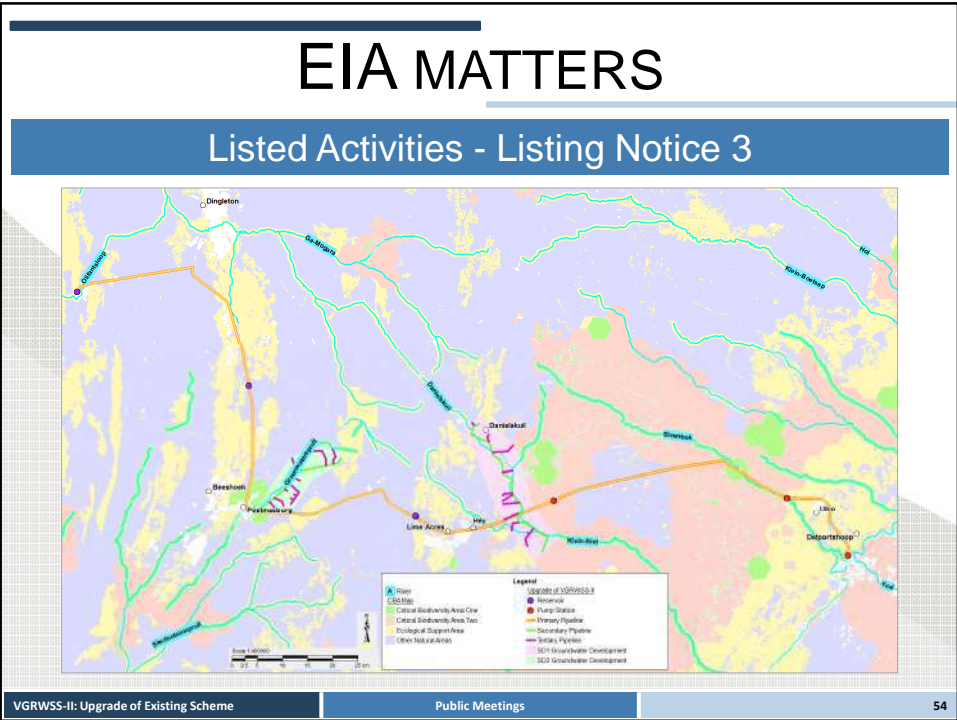
<p>GN983 Activity 27</p>	<p>The clearance of an area of 1 hectares or more, but less than 20 hectares of indigenous vegetation, except where such clearance of indigenous vegetation is required for - (i) the undertaking of a linear activity; or (ii) maintenance purposes undertaken in accordance with a maintenance management plan.</p>	<p>Clearance of areas associated with the construction footprint, such as laydown areas, general site establishment and spoil sites. Status of vegetation to be confirmed as part of the Terrestrial Ecological Study.</p>
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VGRWSS-II: Upgrade of Existing Scheme
Public Meetings
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EIA MATTERS

Listed Activities - Listing Notice 1

GN983 Activity 45	The expansion of infrastructure for the bulk transportation of water or storm water where the existing infrastructure - (i) has an internal diameter of 0,36 metres or more; or (ii) has a peak throughput of 120 litres per second or more; and (a) where the facility or infrastructure is expanded by more than 1 000 metres in length; or (b) where the throughput capacity of the facility or infrastructure will be increased by 10% or more; excluding where such expansion - (aa) relates to transportation of water or storm water within a road reserve or railway line reserve; or (bb) will occur within an urban area.	Clarification required whether the replacement or refurbishment of the existing pipeline sections is regarded as "expansion".
GN983 Activity 48	The expansion of— (i) infrastructure or structures where the physical footprint is expanded by 100 square metres or more; or (ii) dams or weirs, where the dam or weir, including infrastructure and water surface area, is expanded by 100 square metres or more; where such expansion occurs— (a) within a watercourse; (b) in front of a development setback; or (c) if no development setback exists, within 32 metres of a watercourse, measured from the edge of a watercourse;	Clarification required whether the replacement or refurbishment of the existing pipeline (at watercourse crossings / within 32m of a watercourse) is regarded as "expansion".
GN983 Activity 50	The expansion of facilities or infrastructure for the off-stream storage of water, including dams and reservoirs, where the combined capacity will be increased by 50 000 cubic metres or more.	Clarification required.
GN983 Activity 63	The expansion of facilities or infrastructure for the transfer of water from and to or between any combination of the following— (i) water catchments; (ii) water treatment works; or (iii) impoundments; where the capacity will be increased by 50 000 cubic metres or more per day, but excluding water treatment works where water is treated for drinking purposes.	The expansion/upgrade is equal to 15.09Mm³/a or 41 342 m³/day. Clarification required.



<h1>EIA MATTERS</h1>		
<h2>Listed Activities - Listing Notice 3</h2>		
GN985 Activity 4(g)(ii)	The development of a road wider than 4 metres with a reserve less than 13,5 metres. g. Northern Cape ii. Outside urban areas: (ee) Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans.	
GN985 Activity 10(g)(iii)	The development and related operation of facilities or infrastructure for the storage, or storage and handling of a dangerous good, where such storage occurs in containers with a combined capacity of 30 but not exceeding 80 cubic metres. g. Northern Cape iii. Outside urban areas: (ee) Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans.	
GN985 Activity 12(g)(ii)	The clearance of an area of 300 square metres or more of indigenous vegetation except where such clearance of indigenous vegetation is required for maintenance purposes undertaken in accordance with a maintenance management plan. g. Northern Cape ii. Within critical biodiversity areas identified in bioregional plans.	
GN985 Activity 14(g)(ii)	The development of - (i) dams or weirs, where the dam or weir, including infrastructure and water surface area exceeds 10 square metres; or (ii) infrastructure or structures with a physical footprint of 10 square metres or more; where such development occurs - (a) within a watercourse; (b) in front of a development setback; or (c) if no development setback has been adopted, within 32 metres of a watercourse, measured from the edge of a watercourse; g. Northern Cape ii. Outside urban areas: (ff) Critical biodiversity areas or ecosystem service areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans;	
VGRWSS-II: Upgrade of Existing Scheme	Public Meetings	55

<h1>EIA MATTERS</h1>		
<h2>Listed Activities - Listing Notice 3</h2>		
GN985 Activity 18(g)(ii)	The widening of a road by more than 4 metres, or the lengthening of a road by more than 1 kilometre. g. Northern Cape ii. Outside urban areas: (ee) Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans; (ii) Areas within a watercourse or wetland; or within 100 metres from the edge of a watercourse or wetland.	
GN985 Activity 23(g)(ii)	The expansion of - (i) dams or weirs where the dam or weir is expanded by 10 square metres or more; or (ii) infrastructure or structures where the physical footprint is expanded by 10 square metres or more; where such expansion occurs - (a) within a watercourse; (b) in front of a development setback adopted in the prescribed manner; or (c) if no development setback has been adopted, within 32 metres of a watercourse, measured from the edge of a watercourse; g. Northern Cape ii. Outside urban areas: (ee) Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans.	
VGRWSS-II: Upgrade of Existing Scheme	Public Meetings	56

VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME UPGRADING (PHASE 2)




Content of Presentation

- Project Background
- Project Layout
- Technical Details



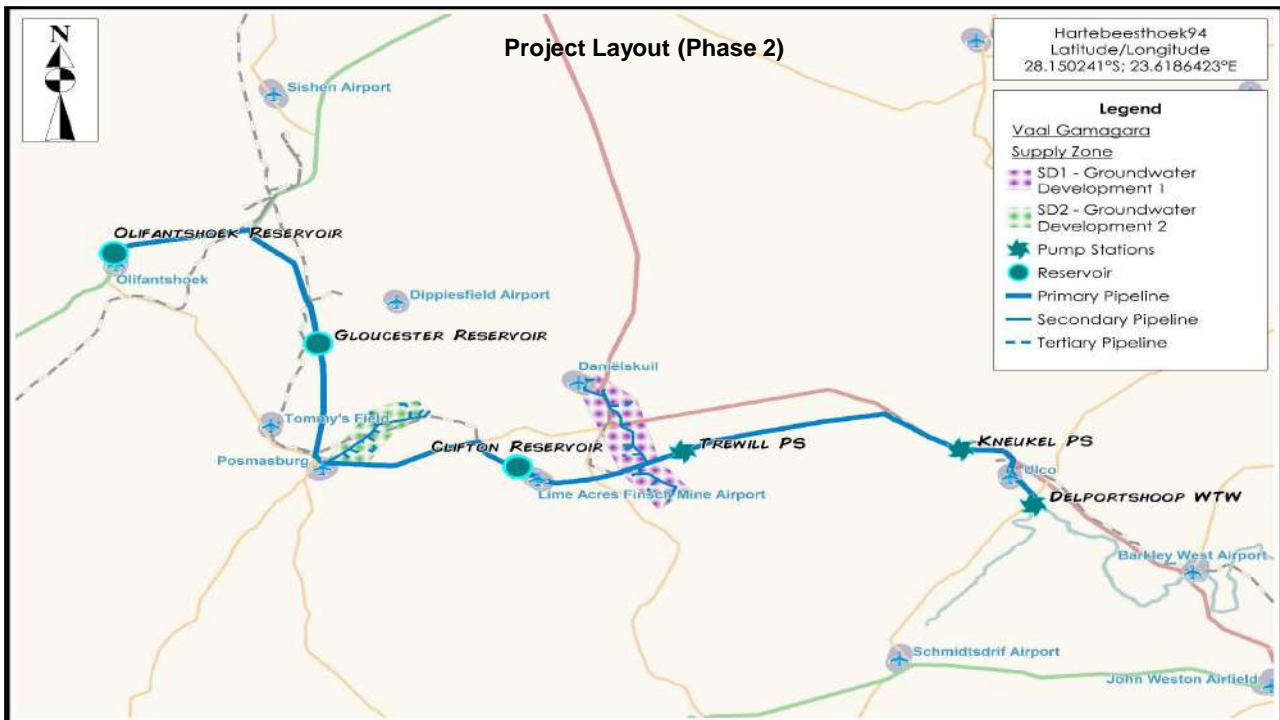
Background:

- The Vaal Gamagara Scheme was completed in 1968 by the Department of Water and Sanitation. It runs from Delpportshoop on the Vaal River (60 km to the north west of Kimberley) via Postmasburg to the iron ore mines at Kathu. From Kathu the line continues to the manganese mines at Hotazel and finally terminates at Black Rock. In 2008 the scheme was handed over to Sedibeng Water by the Department of Water and Sanitation. The Scheme currently supplies approximately 22 million m³/a to domestic consumers, mines and farmers.
- The existing Vaal Gamagara Scheme consists of an abstraction works on the Vaal River at Delpportshoop, a water treatment works with a capacity of 13.27 million m³/a, three high lift pump stations (Delpportshoop, Kneukel and Trewill), 11 reservoirs and 370 km of pipes.
- Due to the condition of the pipelines, the full design capacity can no longer be supplied through this infrastructure. Total collapse in water supply estimated at 2023.
- Feasibility studies were undertaken to determine the best option to rehabilitate and increase the capacity of the scheme to cater for future water demands.



Background Continued:

- The upgrading of the scheme was divided in two phases.
- Phase I is already in the construction phase.
- Pro-Plan Consulting Engineers was appointed to design phase II.
- A study was undertaken to confirm the water demands since feasibility.
- Currently busy with the preliminary design.
- Environmental Authorization divided into 3 applications
 - **Upgrade of the existing scheme** (Basic assessment)
 - Groundwater developments (separate assessment)
 - Borrow pits (separate assessment)

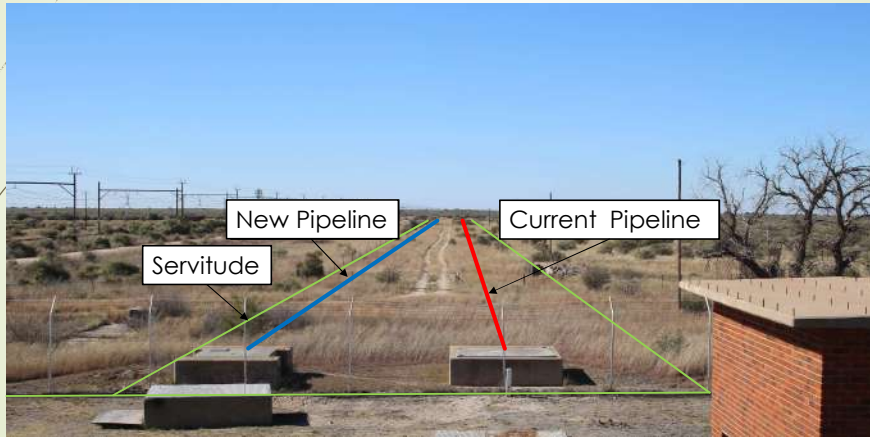


Technical (Phase II only):

- The outcome of the Feasibility study and Water Demand study indicated/confirmed that:
 - The existing pipelines must be replaced
 - Pump stations to be refurbished
 - The Water Treatment Works to be refurbished
 - Upgrading of Clifton and Gloucester Reservoirs
- The new pipelines will be constructed within the current pipeline servitude
- Servitudes may need to be increased temporary for construction purposes
- Servitudes are not exclusive and can be used for farming activities

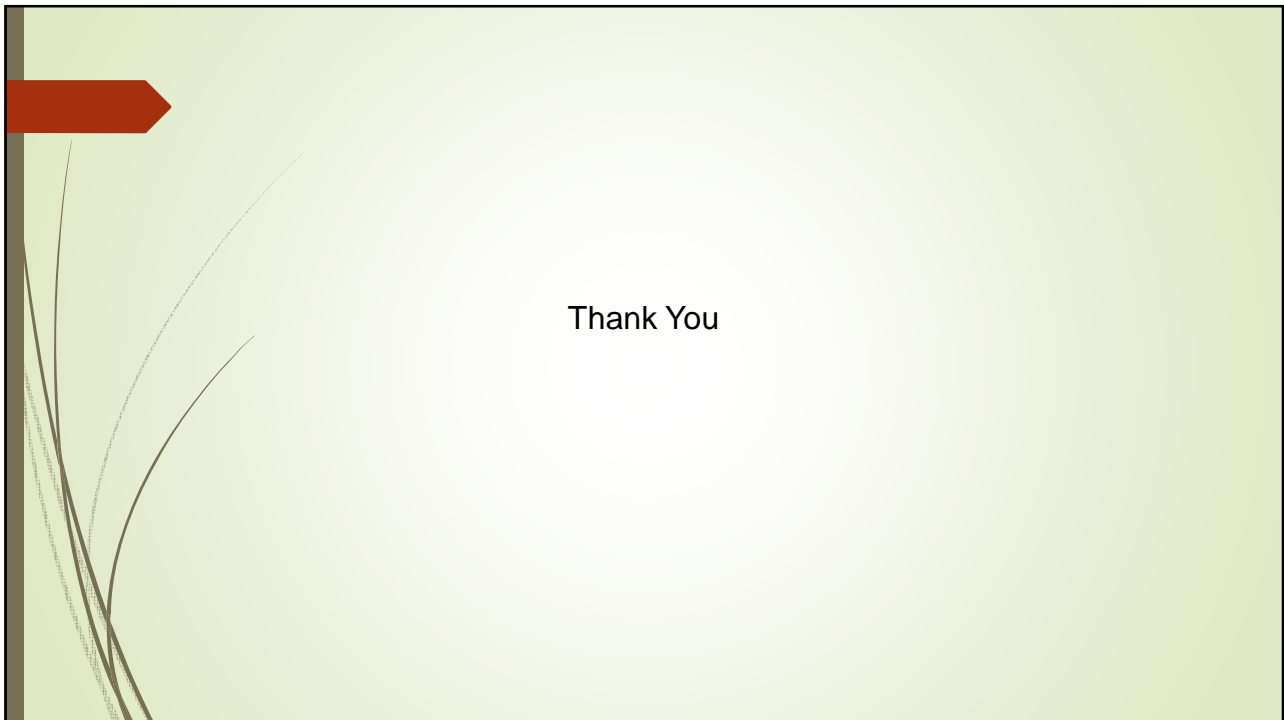
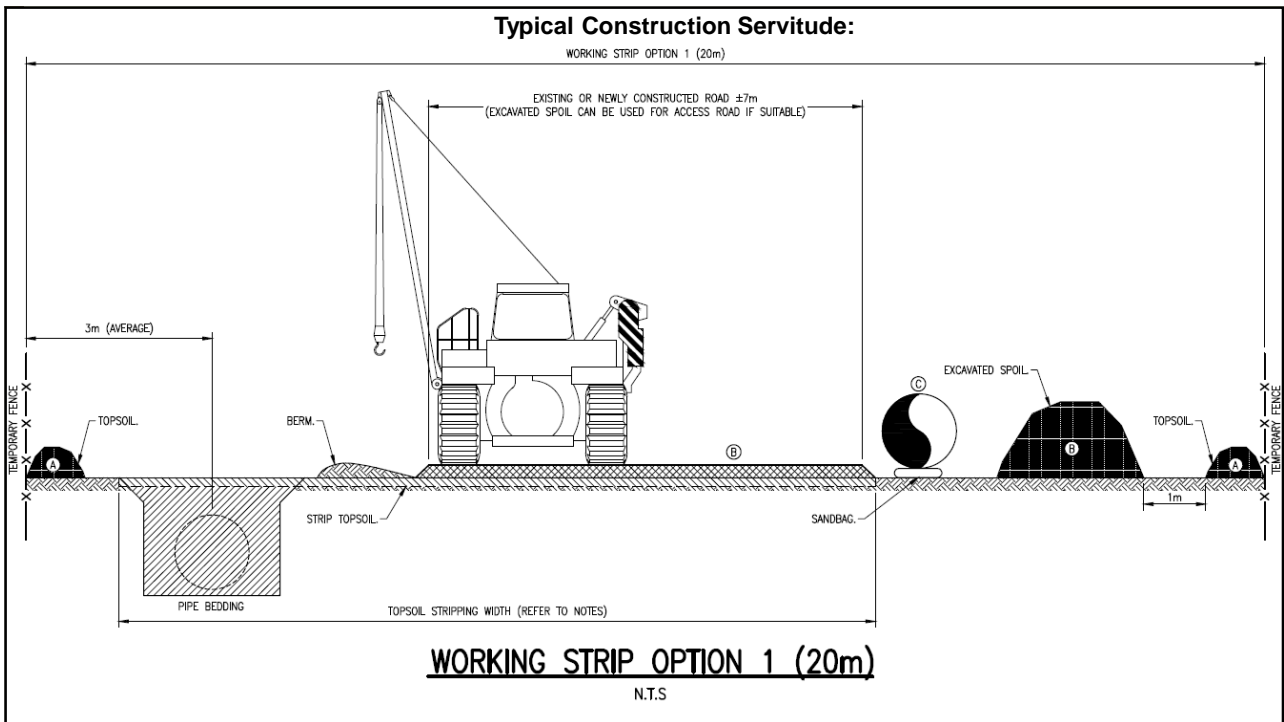
Technical Continued:

- Pipeline servitude



Technical Continued:

- Environmental Management Programme
- Construction Phase
 - Security
 - Fencing
 - Camps
 - Water
 - Topsoil
 - Excavations
 - Material storage and handling
 - Fauna and flora
 - Heritage
 - Health and safety
 - Rehabilitation
- Operational Phase
 - Access
 - Leaks
 - Fauna and flora
 - Affected parties



APPENDIX F7

COMMENTS AND RESPONSES REPORT



***PROPOSED UPGRADING OF THE VAAL GAMAGARA
REGIONAL WATER SUPPLY SCHEME PHASE 2:
Upgrading of the Existing Scheme***

Comments and Response Reports (Draft)



A. INTRODUCTION

The Vaal Gamagara Regional Water Supply Scheme (VGRWSS) is located in the Northern Cape Province and was completed in 1968. The existing scheme transfers water from Delportshoop on the Vaal River (60km to the north west of Kimberley) via Postmasburg to the iron ore mines at Kathu. From Kathu, a pipeline continues to the manganese mines at Hotazel and finally terminates at Black Rock.

The current scheme is operating at capacity and is not able to supply the increasing future water demands, and deal with the increasing water supply interruptions. In addition, the infrastructure is nearing the end of its useful life.

Sedibeng Water has thus proposed the upgrading of the VGRWSS. Phase II of the project consists of the following:

- Upgrading of the existing VGRWSS; and
- Source Development Area (SD) 1 and SD2 groundwater abstraction.

This Comments and Responses Report (CRR) records the comments expressed by Interested and Affected Parties (I&APs) during the Public Participation process followed as part of the Environmental Impact Assessment (EIA) for the proposed Upgrading of the VGRWSS Phase II. The CRR also aims to address the comments through responses and input provided by the relevant members of the project team (including the Applicant, engineers, Nemaï Consulting, and specialists). Comments were received in writing (reply forms, letters, emails, faxes and minutes), as well as verbally, during telephonic communication and at the public meetings.

This CRR does not necessarily provide verbatim comments from public meetings but rather reflects the essence of the discussions held with I&APs. Written comments were included as received. Comments raised during public meetings associated with the VGRWSS-II: Upgrade of the Existing Scheme have been incorporated into this CRR. Comments raised during public meetings pertaining to the SD1 and SD2 component, will be incorporated into a separate CRR. Minutes of meetings from the announcement phase are included in Appendix E5 and minutes of meetings from the review period are included in Appendix F6 of the Draft Basic Assessment Report (BAR), respectively.

When reviewing the CRR, please take cognisance of the following:

1. **This CRR only contains comments and responses associated with the upgrading of the existing VGRWSS component.** A separate CRR contains the comments and responses associated with the SD1 and SD2 component.
2. A large portion of the comments received were translated from Afrikaans.

B. COMMENTS AND RESPONSES – PROJECT ACCOUNCEMENT PHASE

Note that the Announcement Phase of the EIA process refers to the period prior to the submission of the Application Form to the Department of Environment, Forestry and Fisheries (DEFF).

NO.	COMMENT/ QUERY/ ISSUE	RAISED BY	SOURCE & DATE	RESPONSE FROM	RESPONSE
1.	<p>1. Please note that all development applications are processed via our online portal, the South African Heritage Resources Information System (SAHRIS) found at the following link: http://sahra.org.za/sahris/. We do not accept emailed, posted, hardcopy, faxed, website links or DropBox links as official submissions.</p> <p>2. Please create an application on SAHRIS and upload all documents pertaining to the Environmental Authorisation Application Process. As per section 38(8) of the National Heritage Resources Act, Act 25 of 1999 (NHRA), an assessment of heritage resources must form part of the process and the assessment must comply with section 38(3) of the NHRA.</p> <p>3. Once all documents including all appendices are uploaded to the case application, please ensure that the status of the case is changed from DRAFT to SUBMITTED. Please ensure that all documents produced as part of the EA process are submitted as part of the application, and are submitted to SAHRA at the beginning of the Public Review periods. Once all these documents have been uploaded, I will be able to issue an informed comment as per section 38(4) and 38(8) of the NHRA.</p>	Natasha Higgitt (<i>South African Heritage Resources Agency (SAHRA)</i>)	Email (01-04-2019)	Nemai Consulting	All relevant EIA documentation, including the Heritage Impact Assessment and Palaeontological Desktop Assessment, will be uploaded to SAHRIS.
2.	<p>The Directorate: Forestry Management (Other Regions) in the Department of Agriculture Forestry and Fisheries (DAFF), is responsible for administration of the National Forestry Act, Act 84 of 1998 (NFA) and the National Veld and Forest Fires Act, Act 101 of 1998 as amended. The developer must take note of the following sections of the NFA:</p> <p>1.1 Section 12(1): "The Minister may declare-</p> <p>(a) a particular tree, (b) a particular group of trees, (c) a particular woodland; or</p>	J. Mans (<i>Department of Agriculture, Forestry and Fisheries (DAFF)</i>)	Letter (05-04-2019)	1. Nemai Consulting & Terrestrial Ecologist	1. Protected trees were identified as part of the Terrestrial Ecological Impact Assessment (see Section 10.1.4 of this specialist's report). The distribution of these plant species along the study area are shown in Figure 29 of the Terrestrial Ecological Impact Assessment Report. Mitigation measures are listed in Table 14 of the aforementioned report. The Terrestrial Ecological Impact Assessment Report is contained as Appendix G5 of the Draft BAR.

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	<p>(d) trees belonging to a particular species, to be a protected tree, group of woodland or species.</p> <p>1.2 Section 15 (1): "No person may-</p> <p>(a) Cut, disturb, damage or destroy and protected tree; or</p> <p>(b) Posses, collect, remove, transport, export, purchase, sell, donate or in any other manner acquire or dispose of any protected tree, or any forest product derived from a protected tree, except-</p> <p>(i) under a license granted by the Minister; or</p> <p>(ii) in terms of an exemption from the provision of this subsection published by the Minister in the Gazette on the advice of the Council.</p> <p>1.3 "Any person who contravenes the prohibition on-</p> <p>(i) The cutting, disturbance, damage or destruction of temporarily protected trees or groups of trees referred to in section 14 (2) or protected tress referred to in section 15 (1); or</p> <p>(ii) The possession, collection, removal, transport, export, purchase or sale of temporarily protected trees or groups of trees referred to in section 14 (2) or protected trees referred to in section 15 (1)(b), or any forest product derived from temporarily protected trees, group of tree or protected tree, is guilty of a first category offence.</p> <p>1.4 Section 58 (1): "Any person who is guilty of a category offence referred to in sections 62 and 63 may be sentenced to a fine or imprisonment for a period of up to three years, or to both a fine and such imprisonment."</p> <p>1.5 The list of protected tree species under section 12 (1) (d) of the National Forest Act, 1998 (Act No. 84 of 1998) is published annually; the most recent publication was in GN536 of 7 September 2018.</p> <p>2. Comments on Background Information Document</p> <p>2.1 The developer must overlay the 210 km pipeline route and water obstruction points on the Northern Cape Critical Biodiversity Area (CBA) map. Protected trees such as <i>acacia</i>, <i>erioloba</i>, <i>acacia hamatoxylon</i> and <i>Boscia albitrunca</i> can be encountered, as well as the provincially protected wild olive (<i>Olia europaea subsp. Africana</i>). CBA's and Ecological Support Areas (ESA) must be</p>			<p></p> <p>2. Terrestrial Ecologist</p>	<p>Provision is made in the Environmental Management Programme (EMPr) for the safeguarding of protected trees, as well as for seeking the relevant permits from DAFF for cutting, disturbing, damaging or destroying protected trees, as relevant. Refer to Appendix H of the Draft BAR.</p> <p>2.1 The Northern Cape Critical Biodiversity Areas are shown in Chapter 7, Figure 6 of the Terrestrial Ecological Impact Assessment Report (contained as Appendix G5 of the Draft BAR). Mitigation measures regarding the pipeline traversing the CBA and ESA are contained in Table 14 of the aforementioned report. The distribution of national protected trees and provincially protected plant species are shown in Figure 29 and the sensitivity map is shown in Figure 55 of the aforementioned.</p> <p>2.2. An estimated number of protected trees is shown in Figure 29 of the Terrestrial Ecological Impact Assessment Report.</p> <p>2.3. Although it is unavoidable that sections of the project infrastructure will need to traverse areas of potential high sensitivity (including protected trees), the clearing of vegetation must be limited to the servitude area acquired and approved for the project.</p> <p>2.4. As part of the mitigation measures (Table 14 of the Terrestrial Ecological Impact Assessment Report), the plant material to be used for rehabilitation should be similar to what is found in the surrounding area. As much vegetation growth as possible should be promoted within the servitude in order to protect soils and to reduce the percentage of the surface area which is left as bare ground. In this regard, special mention is made of the need to use same species of indigenous plants and trees which were destroyed (in the</p>

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	<p>avoided. Riparian vegetation is sensitive and must be avoided as far as possible.</p> <p>2.2 An accurate estimation is required of the number and species of protected trees to be destroyed per activity. For removal of protected trees in the borrow pits, the DAFF would require the DMR approvals per borrow pit.</p> <p>2.3 Although sections of the pipeline will be replaced in the existing servitude, the whole servitude width of 40m may not be cleared of protected trees. For linear infrastructure, the department normally permits clearing the footprint plus a buffer area of 4m on either side from the centreline. Clearance of 40 m can result in unwanted negative impacts such as wind and soil erosion.</p> <p>2.4 After construction of pipeline (If authorized), the pipeline servitude must be rehabilitated, with the same species of indigenous plants and trees destroyed and in the same densities to resemble preconstruction conditions. Efforts must be made to avoid protected trees.</p> <p>2.5 Trees with bird nests may not be disturbed without a valid Fauna permit from Nature Conservation under the Northern Cape Nature Conservation Act, Act 9 of 2009 (NCNCA), if affected.</p> <p>2.6 Getting Forest Act Licence can take up to 30 days. License application forms are available on the department website or at the Forestry office in Upington. The Department may as supporting documents when assessing an application. For construction activities of this nature, the following supporting documents are requested:</p> <ul style="list-style-type: none"> - Completed license application form - Accurate estimation of the number of trees to be felled per species - Copy of the I.D of the applicant (Developer's representative) 				<p>same densities) during construction activities as the first choice during landscaping.</p> <p>2.5. Should there be a need to disturb trees with bird nests, a valid Fauna permit from Nature Conservation, under the Northern Cape Nature Conservation Act (Act No. 9 of 2009) will need to be obtained, if relevant.</p> <p>2.6. All the appropriate and necessary permits will be obtained from the relevant authorities before construction commences (Table 14 of the Terrestrial Ecological Impact Assessment Report 2).</p>
3.	Can you please send me KMZ files of the routes where the pipe line will be replaced / installed so I can check against our servitudes and powerlines.	J. Geeringh (Eskom)	Email (10-04-2019)	Nemai Consulting	Spatial data provided to Eskom.
4.	I'm not currently located in the project area - Farm Werda 501 and Farm Jacobsfontein 503.	J.J. Oosthutzen	Reply Form (10-04-2019)	Nemai Consulting	It is confirmed that the Farms Werda 501 and Jacobsfontein 503 are not directly affected or adjacent to the proposed infrastructure.

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5.	We want to apply for a larger connection from the Sedibeng waterline - current one is 20 mm (Farm offtake).	Willem Fourie (<i>WeGo Africa PTY LTD</i>)	Reply Form (12-04-2019)	Sedibeng Water	Sedibeng Water to get full details of the pipeline enlargement.
6.	<ol style="list-style-type: none"> 1. While upgrading the total line why not make sure the extra water needed for this area can be pumped from the Vaal River? 2. Was a wetland study done? 3. Was a proper dolomite study done and a report compiled? 4. Was a study done to see if more water can be brought in from the Vaal River? 	S. Van Niekerk	Email (18-04-2019)	Pro-Plan	1. The project team is making an effort to increase the pipeline capacity from the Vaal River. Project team obtained approval to increase 1 of 3 pump lines from the river. The other 2 are subject to re-evaluation at a later stage.
				Nemai Consulting	2. A Wetland and Aquatic Study was conducted and is contained in Appendix G2 of the Draft BAR.
				Nemai Consulting	3. A geotechnical investigation is underway for the upgrading of the existing scheme.
				Pro-Plan	4. Sedibeng Water can make water available from unused allocations upstream in the Vaal River.
7.	<p>Our client (Openserve)'s infrastructure is affected by this proposal and the route is marked in Black and highlighted in Pink on attached (M. Martins Telkom 2B) accurately as possible. We did our utmost to ensure that we indicate our route as accurate as possible and should you discover any of our cables that is not on the sketch please stop and contact us immediately to arrange a site meeting. In the event that our cables are exposed and damaged/ stolen by the third party, the damage will be repaired at the customer's account. Please make use of pilot holes in order not to damage our infrastructure. Therefore any damages occurred during construction of work will be repaired at the customer's account.</p> <p>On completion of this project, please certify that all requirements as stipulated in this letter have been met. Please note that should any of the client (Openserve) infrastructure has to be relocated or altered as a result of your activities the cost for such alteration or relocation will be for your account in terms of Section 25 of the Electronic Communications Act.</p> <p>Mr Vivian Groenewald must be contacted at Telephone number 054 338 6501/081 362 6738 2 (Two) weeks prior to commencement of proposed work. It is important that</p>	M. Martins (<i>Mvelaphande Trading</i>)	Letter (23-04-2019)	Pro-Plan	Openserve infrastructure marked as "overhead route". It should not be a problem to cross overhead lines with the proposed below ground pipeline(s).
				Nemai Consulting	Provision is made in the EMPr for safeguarding existing services and infrastructure.

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	<p>all services are shown on the site before construction starts.</p> <p>Approval of the proposed route is valid for six months, if construction has not yet commenced within this period, then the file must be resubmitted for approval. Any changes / deviations from the original planning during or prior to construction must immediately be communicated to this office.</p> <p>Please notify this office and forward us a built plan within 30 days of completion of construction.</p> <p>Mr Vivian Groenewald must be contacted at Telephone number 054 338 6501/081 362 6738 2 (Two) weeks prior to commencement of proposed work from our Client (Openserve) Network Fields Services.</p>				

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8.	<p>Pipe design</p> <ol style="list-style-type: none"> 1. The pipeline should be planned to deliver and handle the full supply from Delportshoop. 2. When and as long as water is available from the mines (ONLY so that they can safely mine) and as long as the SD sites (when authorisation is granted to develop them) have not yet reached the predetermined drawdown levels in the future (also without any undesirable reactions to the groundwater being noticed) the water can be pumped at specific locations into the pipeline. 3. As soon as it is no longer necessary to pump water for safe mining, the required water needs to be pumped from the Vaal River. 4. As soon as the SD areas become adversely affected by the pumping of the water (aspects not anticipated with the design of the system), the volume of water must also be supplied from the Vaal River. 5. If Sedibeng Water has entered into contracts to supply more water from the pipeline (including basic human use) than what is available from the Vaal River, the contracts must be reduced accordingly. 6. Contracts with mines and other users must also state that water can only be provided as long as the Vaal River can supply it (water from the mines and SD areas cannot be included in the contracts). 7. How are local businesses involved and benefitting from the project? I'm talking about all businesses, not just black businesses. 	J. Kotze (Floradale Boerdery)	Reply Form (26-04-2019)	<p>Pro-Plan / Groundwater Specialist</p> <p>Sedibeng Water</p> <p>Pro-Plan</p>	<ol style="list-style-type: none"> 1. The project team is making an effort to increase the pipeline capacity from the Vaal River. Project team obtained approval to increase 1 of 3 pump lines from the river. The other 2 are subject to re-evaluation at a later stage. 2. Groundwater will be delivered to the VG-Pipeline per production borehole, groups of boreholes, or total well field supply. This aspect will be driven by the geometry of each well field area. 3. Full capacity from the Vaal River was not a feasible option as it is not a feasible option. Once deep mine dewatering commences, the scheme will require adjustments to balance the available resources to the best practical economic and environmental options. 4. Refer to response to first bullet above. 5. There is enough water from Balkfontein Treatment plant. 5. Groundwater will firstly be allocated to/used for basic human needs. Water demand exceeds the water available from the Vaal River. Therefor the need to develop alternative sources. 6. This is not possible. Water demand exceeds the water available from the Vaal River. 7. Supplying water to mines, farmers and municipalities are contributing to the economy of the Northern Cape. Local

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					businesses benefit from the economy that the mines create. Local businesses can also benefit during the construction period depending on their line of business.
9.	I have managed to get kmz files showing where Eskom corridors are along your Area of interest	K. Gaongalelwe <i>Eskom</i>	Email (14-05-19)	Nemai Consulting	Noted. Spatial data provided to Eskom for the project's footprint.

C. COMMENTS AND RESPONSES – REVIEW PERIOD OF DRAFT BASIC ASSESSMENT REPORT

The 30-day public review period of the Draft BAR commenced from **27 August 2019 – 30 September 2019**. The Draft CRR was continuously updated to include all comments/concerns received during the review period.

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1.	<p>Please note that all development applications are processed via our online portal, the South African Heritage Resources Information System (SAHRIS) found at the following link: http://sahra.org.za/sahris/. We do not accept emailed, posted, hardcopy, faxed, website links or DropBox links as official submissions.</p> <p>Please create an application on SAHRIS and upload all documents pertaining to the Environmental Authorisation Application Process. As per section 38(8) of the National Heritage Resources Act, Act 25 of 1999 (NHRA), an assessment of heritage resources must form part of the process and the assessment must comply with section 38(3) of the NHRA.</p> <p>Once all documents including all appendices are uploaded to the case application, please ensure that the status of the case is changed from DRAFT to SUBMITTED. Please ensure that all documents produced as part of the EA process are submitted as part of the application and are submitted to SAHRA at the beginning of the Public Review periods. Once all these documents have been uploaded, I will be able to issue an informed comment as per section 38(4) and 38(8) of the NHRA.</p>	N. Higgitt: (SAHRA)	Email (26-08-2019)	Nemai Consulting	An application on SAHRIS was created and all documents pertaining to the EIA Process (i.e. the Draft BAR and Appendices, Heritage Impact Assessment and Palaeontological Impact Assessment) were uploaded and submitted on SAHRIS.
2.	Thank you, Donovan for the notification. Don't you perhaps have a map of the relevant area.	Willem (AMG Group)	Email (26-08-2019)	Nemai Consulting	A locality map was provided to the IAP.
3.	There's a second meeting being planned already, I am still waiting for response to my queries from the first meeting. Can you please give feedback.	S. Van Niekerk	Email (27-08-2019)	Nemai Consulting	<p>The meetings planned for next week only pertain to the proposed upgrading of the existing scheme, not to the proposed groundwater abstraction.</p> <p>The EIA for the proposed groundwater abstraction at SD1 and SD2 is being undertaken separately, and we are still in the process of addressing all the concerns raised during our engagements in the Announcement Phase. These concerns and the responses from the</p>

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					relevant members of the project team will be captured in a Comments and Responses Report, which will be appended to the Basic Assessment Report for SD1 and SD2. We will also notify you when the draft of the aforementioned report has been lodged for public review and the dates of the related public meetings.
4.	<p>RE: NOTIFICATION LETTER AND BACKGROUND INFORMATION DOCUMENT FOR PROPOSED UPGRADE OF THE VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME ON VARIOUS PROPERTIES, IN THE LOWER VAAL BUSINESS UNIT OF THE VAAL PROTO-CATCHMENT MANAGEMENT AGENCY, NORTHERN CAPE PROVINCE</p> <p><u>1. BACKGROUND</u> The Department of Water and Sanitation (from herein referred to as the Department or DWS) received a notification email for the proposed upgrading of the Vaal Gamagara Water Supply Scheme Phase 2, requesting comment. The activity is to take place on the various properties, from Delpoortshoop to Olifantshoek, Danielskuil and Postmasburg. The document was then reviewed with reference to the National Water Act (Act No. 36 of 1998) and the following are the comments;</p> <p>As mentioned in the report, the Department takes note that the proposed activity at the above mentioned locations will include:</p> <ol style="list-style-type: none"> 1. Mechanical and electrical upgrading of the abstraction works at Delpoortshoop; 2. Refurbishment on pipe work and repairs to buildings at the Delpoortshoop water treatment works; 3. Replacing / refurbishing approximately 210km of the existing pipeline from Delpoortshoop to Olifantshoek; 4. Mechanical and electrical upgrading of the pump stations at Delpoortshoop, Kneukel and Trewill; 5. Upgrading of the Clifton and Gloucester Reservoirs, as well as the Trewill and Kneukel Sumps; 6. Burrow pits located at 10km intervals along the pipeline; 7. Additional groundwater abstraction <p>Kindly take note that there is no record of a water use licence application submitted to the Department however, a pre-consultation session held with the Department. It is</p>	P. Msimango (Department of Water and Sanitation)	Letter (27-08-2019)	Nemai Consulting	<ol style="list-style-type: none"> 1. A Water Use Licence Application (WULA) will be submitted on the online Electronic Water Use Licence Application and Authorisation System (EWULAAS). 2. A Wetland and Aquatic Assessment was conducted. Refer to Appendix G2 of the Draft BAR. 3. Stormwater management measures have been provided in the Environmental Management Programme (EMPr) in <i>Section 12.4.11 Management of Water</i>; and <i>12.4.22 Management of Watercourses</i> (Appendix H of the Draft BAR). 4. Measures to control alien plants are included in the EMPr, in <i>Section 12.4.20 Management of Flora</i> (Appendix H of the Draft BAR). 5. A locality map is provided in Appendix A of the Draft BAR. 6. Provision is made in the EMPr to manage the storage of non-hazardous material, hazardous material and waste. Refer to the following sections in the EMPr (Appendix H of the Draft BAR): <ul style="list-style-type: none"> • <i>Section 12.2.14 Management of Storage and Handling of Non-Hazardous Material</i>; • <i>Section 12.2.15 Management of Storage and Handling of Hazardous Material</i>; • <i>Section 12.4.16 Management of Waste</i>; and • <i>Section 12.4.19 Management of Pollution Generation Potential</i>. 7. Refer to response to bullet 6 above. 8. Provision for rehabilitation have been included in the EMPr, in <i>Section 12.4.26</i>

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	<p>important to note that the burrow pits was never mentioned as part of the pre-consultation session.</p> <p><u>2. Distance from watercourse</u> Please note that our Department rates all perennial and non-perennial rivers together with all dry river beds and natural drainage and associated riparian areas extremely sensitive to development. An option of developing furthest away from the all water course would be the preferred option. Please note that no development should be done within 100 m or 1:100 year flood line of any water course and 500m of wetlands without authorisation from our Department. The water courses should be delineated in order to provide appropriate buffer to maintain such water course. The delineation should be done according to the appropriate Department of Water and Sanitation's delineation document. The construction camp shall not be located within the 1:100 year flood line or within 100 meters whatever is the greatest from any watercourse. Operation and storage of equipment within the riparian zone must be limited as far as possible. Vehicles and other machinery must be serviced well above the 1:100 year flood line or within a horizontal distance of 100 meters from any watercourse or estuary. Oils and other potential pollutants must be disposed off at an appropriate licensed site, with the necessary agreement from the owner of such a site.</p> <p><u>3. Stormwater management</u> Any storm water must be diverted from the construction works and roads and must be managed in such a manner as to disperse runoff and to prevent the concentration of storm water flow. Where necessary, works must be constructed to attenuate the velocity of the storm water discharge and to protect the banks of the watercourse. Storm water control works must be constructed, operated and maintained in a sustainable manner throughout the project. Increased runoff due to vegetation clearance and/or soil compaction must be managed, and steps must be taken to ensure that storm water does not lead to bank instability and must in no way be contaminated by any substance, whether such substance is a solid, liquid, vapour or gas or a combination thereof which is produced, used, stored, dumped or spilled on the premises.</p>				<p><i>Management of Reinstatement and Rehabilitation.</i></p> <p>9. Refer to response to bullet 1 above.</p> <p>10. Refer to response to item 1 above.</p> <p>a. This will be included in the WULA to be submitted to DWS;</p> <p>b. Refer to Section 21.1, Figures 61-65 for a sensitivity map, indicating the rivers and wetlands in the study area.</p> <p>c. Refer to response to bullet 6 above.</p> <p>d. All impacts to watercourses were assessed in the Draft BAR. Refer to Section 19.7 for the watercourses impact assessment and risk matrix. Measures provided in the Wetland and Aquatic Impact Assessment (contained in Appendix G2 of the Draft BAR) were incorporated into the EMPr, in Section 12.4.22 <i>Management of Watercourses.</i></p> <p>e. The roles and responsibilities are provided in Section 6 of the EMPr.</p> <p>f. The Contractor will be contractually bound to comply with the conditions of the Environmental Authorisation (if granted), as well as the requirements of the EMPr.</p> <p>g. The following provision (amongst others) is made in Section 6 of the EMPr (Roles and Responsibilities) for addressing non-compliance:</p> <ul style="list-style-type: none"> • The Contractor must report any non-compliance to the Chief Resident Engineer; • The Environmental Control Officer (ECO) will submit monitoring reports DEFF (amongst others), which will highlight non-compliance; • After consultation with the proponent and the EMC (if established), the ECO will inform DEFF when there is non-compliance with conditions of approval; • The Environmental Monitor must maintain a non-conformance register. <p>Section 7.3 of the EMPr explains the compliance monitoring and auditing that will</p>

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	<p><u>4. Invasive Alien Vegetation</u> Vegetation must be monitored and managed on an on-going basis during construction and operation. Alien vegetation must not be allowed to further colonise the area, and all new alien vegetation recruitment must be eradicated or controlled, using standard methods approved by the Department.</p> <p><u>5. Design and layout</u> A detailed layout plan needs to be submitted to our Department showing all the facilities in the proposed development, distance from the any watercourses and bathroom facilities. Details of the final design must also be supplied as soon as a decision has been made, as the details of this factor may influence the environmental impact both during the construction and operational phases of the project.</p> <p><u>6. Construction</u> Material with pollution generating potential must be limited in any construction activities. Any hazardous substances must be handled according to the relevant legislation relating to transport, storage and use of the substance. Any spillage of any hazardous materials including diesel that may occur during construction and operation must be reported immediately to our Department.</p> <p><u>7. Waste Management</u> Rubbish bins and Enviro loose/mobile toilets must be there and enough for the people on site during construction. A letter of consent from a registered waste facility to allow contractor to empty the toilet facility at their sewer system should be submitted to our department. All sewage, grey and wash water, as well as any waste generated during the construction phase of the facilities will be collected, contained and disposed of at the permitted and / or licensed facilities of the Local Authority and this must please be confirmed in writing by the local authority.</p> <p><u>8. Rehabilitation</u> Soils that have become compacted through the activities of the development must be loosened to an appropriate depth to allow seed germination. The necessary erosion prevention mechanisms must be employed to ensure the sustainability of all structures and</p>				<p>take place with regards to the Environmental Authorisation and EMP, in accordance with Regulation 34 of GN No. R 982 (4 December 2014).</p> <p>11. Acknowledged.</p>

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	<p><u>9. Water Use Entitlement</u> The Department notes that the applicant has not submitted a request for a water use authorisation from our Department. There has however a consultation session where the applicant was notified of the process to be followed and specialist reports requirements. Please be informed that engaging in water use activities (which includes the abstraction of water, disposal of sewage, construction activities within the riparian habitat or within the watercourse, etc) is unlawful without necessary authorisation from our Department. There is no indication as to how water services will be met.</p> <p><u>10. Issues to take into consideration</u> The applicant is to submit an Environmental Impact Assessment and it should take the following issues into consideration:</p> <p>a) Should the project continue; a site visit and pre consultation meeting must be conducted by a DWS official with the applicant, which will be followed by an application for Water Use Authorisation (proof of consultation and submission of an application). This must be submitted to DWS in terms of the National Water Act, 1998 (Act 36 of 1998) before any construction activities take place. The water use licence application should include the following (amongst other things):</p> <ul style="list-style-type: none"> i. Fully completed application forms. The water uses that will possibly be triggered are section 21 (a), (b), (c) and (i) in terms of the National Water Act (Act 36 of 1998). These forms for the various water uses are available on the Department of water and Sanitation's website (https://www.dws.gov.za/Projects/WARMS/Licensing/licensing1.aspx) or upon request; ii. Registration fee (R115) and proof of payment; iii. Certified copy of the representative's id, company registration information; iv. Copy of the property title deed; v. Copy of the property zoning document; vi. Letter of consent from land owner if the applicant is not the land owner; 				

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	<p>vii. A copy of 1:50 000 topographic map / 1:10 000 indicating map name number of farm boundaries including subdivision;</p> <p>viii. Approved EMP, Water Quality Management Report, Geohydrological Report; with Overall Water Balance;</p> <p>ix. Wetland Delineation Report, assessment of 1:100 year floodline, Stormwater management;</p> <p>x. A scientifically determined buffer would need to be determined between the development and the wetland;</p> <p>xi. Signed Design Drawings and Engineer Report (storm water trenches, wastewater treatment facility, onsite sanitation etc), designed by ECSA registered Engineer;</p> <p>xii. Environmental Impact Assessment Report and Environmental Authorisation/RoD From Environmental Affairs;</p> <p>xiii. Public Participation Correspondence (notice proof and minutes from meeting);</p> <p>xiv. Section 27 (1) of NWA of 1998 No. 36 and proof of BBBEE status;</p> <p>xv. Service level agreement with waste collector (sewage, domestic and oil) and water services provider during construction;</p> <p>xvi. Water Supply and water demand analysis; and</p> <p>xvii. Clearance Letter from Land Claim</p> <p>b) The Environmental Management Programme (EMP)/EIA must clearly show all water courses as defined in the National Water Act, 1998 (Act 36 of 1998) as well as the delineation 1:100 year flood lines. No activity may occur within the 1:100 year flood line of a river/drainage lines without authorisation. No activity may occur within the 500 metres of a pan/wetland (perennial/non perennial) without authorisation.</p> <p>c) The EMP/EIA must clearly show the methods for collecting, storing, transporting and finally disposing of all waste products produced as well as the responsible and accountable persons. This includes written consent from the relevant accredited waste disposal site/ sewage disposal/ oil disposal in handling the waste. All applicable sections of the National Environmental Management: Waste Act 59 of 2008 should be strictly adhered to.</p>				

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	<p>d) The EMP/EIA must clearly identify all risks that are associated with the project that can affect the water resources in and around the project area and state all implementable measures to prevent and respond to accidents and abnormal events that may occur.</p> <p>e) The EMP/EIA must clearly show through a responsibility matrix and organogram the responsible persons for implementing the mitigation measures and reporting lines, in the event of an accident.</p> <p>f) The EMP/EIA must show in written form that the developer has made a legally binding commitment to implement the proposed mitigation measures and that these measures are not only suggestions and recommendations.</p> <p>g) The EMP/EIA must clearly show the process followed if the developer does not comply with the legal requirements of the EMP and National Water Act, 1998 (Act No 36 of 1998).</p> <p><u>11. Conclusion</u> The Department has no objections to this activity, provided the applicant has provided proof of adherence to the above-mentioned recommendations and addressed all issues contained in this letter. Please also take note that additional water uses may be triggered because of the burrow pits excavations. This reply does not grant any exemption from the requirements of any applicable Act, Ordinance, Regulation or By-law.</p>				
5.	<p>1. The proposed development footprint is traversing Critical Biodiversity Areas (CBA) and Ecological Support Areas (ESA's). The Department issued licenses for Phase 1 (upgrading from Roscoe Reservoir to Black Rock) and is assessing cumulative impacts on protected trees. Clearing and trench excavation is likely to have additional impacts on protected trees that cannot be avoided during phase. The previous licenses issued for phase 1 must be fully complied with, before new licenses can be granted.</p> <p>2. Phase 2 will consist of a 210 km pipeline construction from Delpportshoop via Postmasburg to Olifantshoek,</p>	J. Mans: (Department of Agriculture Forestry and Fisheries)	Letter (27-08-2019)	Nemai Consulting Nemai Consulting	<p>1. Noted.</p> <p>2. The replacement of the pipeline will take place within the existing servitude (approximately 10 m – 15 m wide). It is anticipated that the construction servitude will be 40 m wide (refer to Figure 9 in the Draft BAR).</p>

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	<p>traversing numerous vegetation types. The EIA study area included 80-meter corridor (40 m on either side of the centre line) for the pipeline. It should be noted that the DAFF will not permit clearance of the full 80-meter corridor. Page 144 (Wetland Assessment specialist) recommended under control measures for site clearing and preparation that the disturbance footprint be restricted to 25 m on either side of the proposed pipeline route, but in arid regions clearance of 1050 ha (50 m x 210 km) is significant and can contribute to environmental degradation and desertification. The DAFF internal guidelines on issuing of licenses for construction of linear infrastructure, restrict vegetation clearance to a maximum of 4 meters on either side of the centre line. Therefore, when applying for a license please indicate the minimum width of clearance required to facilitate construction, as the Department cannot grant a license for clearance of 50 meters, if less is required for construction purposes.</p> <p>3. The report stated that permanent as well as temporary (construction period) access roads are required for the project. All possible efforts must be made to avoid slow growing protected trees for construction of temporary facilities, especially large <i>Boscia albitrunca</i> trees known to be hundreds of years old in the Lime Acres and Postmasburg districts, in the Ghaap Plateau vegetation type. Impacts on the woodland of provincially protected Wild Olive <i>Olea europaea</i> subsp. <i>africana</i> trees must be avoided/minimised as far as possible.</p> <p>4. Phase 2 will be divided into ten sub-projects. The Department recommends that license applications be submitted per sub-project, to avoid under-estimation of impacts on protected trees. Forest Act Licenses are issued for a maximum period of validity of 2 years. The expected completion date of the project is in February</p>			Nemai Consulting	3. These measures have been incorporated into the EMPr, refer to Section 12.4.5 <i>Management of Access and Traffic</i> and Section 12.4. <i>Management of Flora</i> .
				Nemai Consulting	4. Measures for licencing have been provided in the EMPr, in Section 12.3.2 <i>Approvals, Permits and Licencing Requirements</i> .
				Pro-Plan	5. Noted. This will be investigated.
				Terrestrial Specialist	6. Provincially protected plant species such as <i>Lithops spp.</i> , and <i>Nymanina capensis</i> (Chinese lanterns) have been incorporated into the Terrestrial Ecological Impact Assessment Report. During the walk-down survey, all provincially protected plant species will be identified and marked and then translocated after construction activities.
				Nemai Consulting	7. Measures are provided in the EMPr (Appendix H of the Draft BAR) for site clearing (Section 12.4.2), site establishment (Section 12.4.3) and fencing arrangements (Section 12.4.6).

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	<p>2024 and the Department cannot issue a license for a 5-year period, therefore a phased approach would be better. It can take up to 30 days to get a Forest Act License, therefore applications must be submitted at least 2 months prior to construction to allow sufficient time for the processing of such applications.</p> <p>5. Page 148 of the draft BAR stated that establishment of trees within the pipeline servitude will not be allowed as roots may compromise the stability of the pipeline. As already mentioned, the Department cannot permit removal of all trees in the corridor/servitude, especially in CBA's, ESA's, river crossings and rocky outcrops which are regarded as sensitive areas, as it may cause severe soil erosion and other problems. The Department therefore recommends that a product such as bio-barrier be installed with the pipeline. A one-time installation of bio-barrier root control system means years of security from roots growing where they're not wanted and protecting the pipeline from any tree roots</p> <p>6. New plant species were recently discovered in the Groenwaterspruit area; in the rocky outcrops of Postmasburg there are many provincially protected plant species not mentioned in the Terrestrial Ecological Impact Assessment Report, species that may be encountered such as <i>Lithops</i> spp. and <i>Nymania capensis</i> to name but a few. Extra care should be taken in these areas and search and rescue should not be restricted to <i>Boophone disticha</i>, but all species that are protected and can be easily and successfully relocated.</p> <p>7. The development footprint must be clearly demarcated, and vegetation removal must be restricted to areas permitted in terms of licenses and permits issued by regulating authorities.</p> <p>8. No indication was given of the anticipated impacts on NFA listed protected tree species (numbers of trees per species). One species known to occur in the study site is Grey Camel thorn, <i>Vachellia haematoxylon</i>. The chances are very good that some Grey Camel thorn trees may be encountered, but it was not mentioned.</p>			Terrestrial Specialist	8. During the field surveys, <i>Vachellia haematoxylon</i> (Grey Camel thorn) was mostly found near Danielskuil area. However, possibility exists that it is also found within the study area and during the walk-down survey, these protected tree species will be marked and permit will be sought from DENC. Impacts and mitigation measures were provided for any Protected Trees which will be affected by the project. Refer to Table 13 of the Terrestrial Ecological Impact Assessment Report, in Appendix G5 of the Draft BAR.
6.	ACKNOWLEDGEMENT OF RECEIPT OF THE NEW APPLICATION FOR ENVIRONMENTAL AUTHORISATION (BASIC ASSESSMENT PROCESS) AND BASIC ASSESSMENT REPORT FOR THE PROPOSED VAAL GAMAGARA REGIONAL WATER	B. Mtyana (Department of Environment, Forestry and Fisheries)	Letter (28-08-2019)	Nemai Consulting	Acknowledgement received.

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	<p>SUPPLY SCHEME PHASE 2: UPGRADING OF THE EXISTING SCHEME, NORTHERN CAPE PROVINCE.</p> <p>The Department confirms having received the Application for Environmental Authorisation and Draft Basic Assessment Report for the abovementioned project on 26 August 2019. You have submitted these documents to comply with the Environmental Impact Assessment (EIA) Regulations, 2014, as amended.</p> <p>Please take note of Regulation 40(3) of the EIA Regulations, 2014, as amended, which states that potential Interested & Affected Parties, including the Competent Authority, may be provided with an opportunity to comment on reports and plans contemplated in Regulation 40(1) of the EIA Regulations, 2014, as amended, prior to the submission of an application but must be provided the opportunity to comment on such reports once an application has been submitted to the Competent Authority.</p> <p>Note that in terms of Regulations 45 of the EIA Regulations, 2014, as amended, this application will lapse if the applicant fails to meet any of the time-frames prescribed in terms of these Regulations, unless an extension has been granted by the Department in terms of Regulation 3(7) of the EIA Regulations, 2014, as amended.</p> <p>You are hereby reminded of Section 24F of the National Environmental Management Act, Act No. 107 of 1998, as amended, that no activity may commence prior to an Environmental Authorisation being granted by the Department.</p>				
7.	<p>According to the documents sent, there are places where the pipe runs very close to Transnet boundaries and where it's actually crossing Transnet land.</p> <p>Can you please send me a KML file of where this water pipe is running to enable me to accurately trace it against Transnet boundaries to make an informed decision.</p> <p>Can you please also send me the KML file where the boreholes are going to be installed?</p> <p>N.B. shapefiles and .dwg file are also welcomed.</p>	K. Mabe (<i>Transnet</i>)	Email (29-08-2019)	Nemai Consulting	Spatial data was provided to the IAP.

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8.	<p>Please find my comments I have given you, with acknowledgment of receipt, which is not included in the comments. How many more people's information is knowingly or unknowingly excluded, how will we know? It makes me even more concerned about the handling of the process and how much attention is really paid to the environmental aspects.</p> <p>1. In the relevant "Draft BAR", the abstraction of water at SD1 & SD2 is specifically excluded, as it will be dealt with in a next "BAR", please make it clear in the new comments.</p> <p>2. In Appendix E - Background Information Document, it indicates on page 7 where you are going with the process. In my opinion, this implies that Nemaï is already moving along with the SD1 and SD2 developments as well, please correct the uncertainty in the comments.</p> <p>3. In Appendix E (last page) - Please can you fix my surname as well as Conrad's surname on the IAP list. It is currently reading Kstes, it should read Kotze.</p> <p>4. A point that must still be included when starting to work with SD1 and SD2 as a request from me as an IAP, is that a specialist study on the groundwater balance should be done for each of the catchments, the results posted on the requested public website and updated at least twice a year during the operation of the system.</p> <p>5. In the DEA application, you mention that the pipeline can only take 15 million m³ per annum and Sedibeng supply 28 million m³ per annum, which I suppose corresponds with the demand. The pipe design can only be accepted if it is designed to accommodate the 28 million m³ per annum, otherwise it is lip service to stop an SD site when the water level drops below the intent, or Kolomela and Sishen stop mining operations after Life of Mine (because they can only supply water according to their license for safe mining) No SD site can be considered for approval if this design capacity of the pipeline is not met with this upgrade.</p>	J. Kotze (Floradale Boerdery)	Email (29-08-2019)	Nemaï Consulting	1. The separation of the applications for the upgrading of the existing scheme and groundwater abstraction was clearly mentioned in the notifications and during the public meetings, and it is also explained in the BAR.
				Nemaï Consulting	2. The Background Information Document was compiled during the announcement phase, early on in the process. It shows that separate processes will be undertaken for the project components. The initial intention was to run the process in parallel, however, the Basic Assessment process for the proposed groundwater abstraction was placed on hold in order to undertake additional investigations to address concerns raised by IAPs.
				Nemaï Consulting	3. The IAP database is included in Appendix F8 of the Draft BAR.
				Nemaï Consulting	4. Comment pertains to SD1 and SD2 and will be addressed as part of the separate EIA process.
				Pro-Plan	5. The project team is making an effort to increase the pipeline capacity from the Vaal River. The project team obtained approval to increase 1 of 3 pump lines from the river. The other 2 are subject to re-evaluation at a later stage.
				Sedibeng Water	5. Yes, the pipeline is designed to accommodate the 28 million m ³ per annum taking into account the different water sources.
9.	With reference to your above- mentioned application, I hereby confirm that the proposed work installation is approved by our Client (Open serve) in terms of Section 29 of the Electronic Communications Act No. 36 of 2005 as amended.	C. Schutte (Mvelaphande Trading)	Email (30-08-2019)	Pro-plan	Noted. Most of the construction of the main pipeline will be within the Sedibeng Water Servitude.

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	<p>Our Client (Open serve)'s infrastructure is affected by this proposal and the route is marked in Green on attached sketch as accurately as possible. We did our utmost to ensure that we indicate our route as accurate as possible and should you discover any of our cables that is not on the sketch please stop and contact us immediately to arrange a site meeting. In the event that our cables are exposed and damaged/stolen by a third party the damages will be repaired at the customer's account. Please make use of pilot holes in order not too damage our infrastructure. Therefore, any damages occurred during construction of work will be repaired at the customer's account.</p> <p>On completion of this project, please certify that all requirements as stipulated in this letter have been met. Please note that should any of our Client (Open serve) infrastructure has to be relocated or altered as a result of your activities the cost for such alterations or relocation will be for your account in terms of section 25 of the Electronic Communications Act.</p> <p>Mr Vivian Groenewald at telephone number 081 362 6738. Two (2) weeks prior to commencement of proposed work. It's important that all services are shown on site before construction starts.</p>				
10.	<p>PROPOSED UPGRADING OF THE VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME PHASE 2 Comment Sheet – Draft Basic Assessment Report (BAR)</p> <p>As a member of the Northern Cape Mines Leadership Forum (MLF) and being familiar with the extended Phase 1 VGGWSS work at hand, inclusive of its augmentation from mine water (dewatering by Sishen) and the proposed SD4 well field development, a number of observations are</p>	M. Brasler (ARM Ferrous)	Comment Sheet (02-09-2019)	<p>Nemai Consulting</p> <p>Nemai Consulting</p> <p>Pro-Plan</p>	<p>1. Reference is made to “million m³/a”. No responses required for remaining statements.</p> <p>2. The recommendations for the access to mine properties have been incorporated into the EMPr in <i>Section 12.3.4 Construction Site Planning and Layout</i></p> <p>3. A review of the water demands was conducted.</p>

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	<p>offered on the Phase 2 BAR with reference to the applicable page (s):</p> <p><u>1. Executive Summary Page i</u> The reference to m³/a is incorrect as this should be Mm³/a or Mkl/a.</p> <p>The current annual water supply from the VGRWSS is reported as 22 Mm³/a, whereas Sedibeng Water have publicly stated this as 26 Mm³/a.</p> <p>The above water supply is made up of the licensed volumes of 13Mm³/a from the Vaal River with the balance made up by mine ground water (dewatering) and the proposed SD1 & SD2 wellfield developments. A separate BAR process is to cover the SD wellfield developments.</p> <p>The water demand from the VGRWSS is driven by a combination of Mine water demands estimated at 56% and the Social requirements preliminarily assessed at the balance of 44%.</p> <p>Reference is perhaps incorrectly made to the made to the "Phase 2 Upgrading" of the VGGWSS (which may have been applicable based on the initial demands inclusive of the Botswana supply of 5Mm³/a) rather than the "Phase 2 Replacement" of the 50-year old scheme to sustain the current water demands for the next 25 years.</p> <p><u>2. Executive Summary Page xi & Page 41</u> Access to mine properties should be approached under the Mine Health & Safety Act / MPRDA. It is recommended engagement with individual mine sites be at the earliest opportunity where construction is required on mine premises so that site specific access requirements, in compliance to prevailing mines safety requirements, may be established and adhered to from the outset (thereby avoiding unnecessary frustrations in delayed access to sites as was experienced at some mines in Phase 1).</p> <p><u>3. Page 11</u></p>			<p>Pro-Plan</p> <p>Sedibeng Water</p> <p>Nemai Consulting</p> <p>Socio-Economic Specialist</p>	<p>4. Rising mains from Delpportshoop were optimised to transfer +-13.27 Mm³/a from Delpportshoop to Trewill. At Trewill the flowrate increase but the static head to Clifton is less than the first two rising mains. Pipelines were sized to be 800 mm steel pipes. The pipeline from Trewill to Clifton are estimated to be a 1000 mm steel pipe. This was decided based on the risk of the groundwater development and the possible need to transfer more water from the Vaal River.</p> <p>5. The implementation will be on a risk-based approach.</p> <p>6. The latest Water Demand Study (2019) assessed the demographics and water balance to 2043, which was based on quantitative and qualitative data obtained from secondary and primary sources. Secondary sources include published reports from Statistics South Africa, Department of Water and Sanitation, the relevant local and district municipalities, and others as referenced. Information received from Sedibeng Water regarding water sales and demand volumes of mines and solar plants was also sourced. Primary information was obtained from meetings held with municipalities and field visits conducted.</p> <p>6. Section 4.3 of the report acknowledges the limitations that underlie the SEIA. The updated SEIA will include the latest and most comprehensive data available to the specialist in addition to the existing primary data used.</p>

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	<p>The 40Mm³/a demand in 2030 was reduced back to the current offtake levels of 26Mm³/a in 2017 through the exclusion of the Botswana supply of 5Mm³/a and a detailed review of the mine water demand forecasts that were assessed to remain at 15Mm³/a (56% of the demand from the VGGWSS). The remaining 44% Social component remains to be reassessed. The current supply of 26 Mm³/a was anticipated to prevail for 25 years (to 2043).</p> <p><u>4. Page 15</u> Pipe diameters need to be sized to sustain the current and future demand (to 2043) of 26Mm³/a. It is believed that the pipe sizes indicated in the BAR may still relate to the prior 2030 demand forecast of 40Mm³/a.</p> <p><u>5. Page 28</u> Acknowledging the likely funding constraints, the Phase 2 program needs to be prioritized to address those sections of the pipeline most at risk, alternatively those sections bottlenecking the current delivery from the VGGWSS. The indicated 5-year program may be optimistic considering the current performance on Phase 1.</p> <p><u>6. Page 94</u> The population data relates to 2011 and previously 2001. It is believed that data is outdated, and any trends inferred from prior data may be incorrect. The population forecasts need to be critically assessed (in line with the 2017 review of the mining water demand forecasts) to support the 44% Social Component of the project.</p> <p><u>7. Conclusion</u> The materials provided were seen to be comprehensive and availed in detail.</p>			Nemai Consulting	7. Acknowledged.
11.	<p><u>1. Background</u> The Department of Water and Sanitation (from herein referred to as the Department or DWS) received a draft Basic Assessment Report for the proposed upgrading of the Vaal Gamagara Water Supply Scheme Phase 2, requesting comment. The activity is to take place on various properties, from Delportshoop to Olifantshoek, Danielskuil and Postmasburg. The document was then reviewed with reference to the National Water Act (Act No. 36 of 1998) and following are the comments;</p>	K. Masindi (<i>Department of Water and Sanitation</i>)	Letter (03-09-2019)	Nemai Consulting	Same comments as received previously. Refer to response to Section C, row no. 4 above.

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	<p>As mentioned in the report, the Department takes note that the proposed activity at the above mentioned locations will include:</p> <ol style="list-style-type: none"> 1. Mechanical and electrical upgrading of the abstraction works at Delpportshoop; 2. Refurbishment on pipe work and repairs to the buildings at Delpportshoop water treatment works; 3. Replacing/refurbishing approximately 210km of the existing pipeline from Delpportshoop to Olifantshoek; 4. Mechanical and electrical upgrading of the pump stations at Delpportshoop, Kneukel and Trewill; 5. Upgrading of the Clifton and Gloucester Reservoirs, as well as the Trewill and Kneukel Sumps; 6. Burrow pits located at 10km intervals Along the pipeline 7. Additional groundwater abstraction <p>Kindly take note that there is no record of a water use licence application submitted to the Department however, a pre-consultation was held with the Department. It is important to note that burrow pits was never mentioned a part of the pre-consultation session.</p> <p><u>2. Distance from the water course</u> Please note that our department rates all perennial and non-perennial rivers together with all dry river beds and natural drainage and associated riparian areas extremely sensitive to development. An option of developing furthest away from all the water courses would be the preferred option. Please note that no development should be done within 100m or 1:100 year flood line of any water course and 500m of wetlands without authorisation from our Department. The water courses should be delineated in order to provide appropriate buffer to maintain such water course. The delineation should be done according to the appropriate Department of Water and Sanitation's delineation document. The construction camp shall not be located within the 1:100 year flood line or within 100 meters whatever is the greatest from any watercourse. Operation and storage of equipment within the riparian zone must be limited as far as possible. Vehicles and other machinery must be serviced well above the 1:100 year flood line or within a horizontal distance of 100 meters form any</p>				

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	<p>watercourse or estuary. Oils and other potential pollutants must be disposed of at an appropriate licensed site, with the necessary agreement from the owner of such a site.</p> <p><u>3. Storm Water management</u> Any storm water must be diverted from the construction works and roads and must be managed in such a manner as to disperse runoff and to prevent concentration of storm water flow. Where necessary, works must be constructed to attenuate the velocity of the storm water discharge and to protect the banks of the watercourse. Storm water control works must be constructed, operated and maintained in a sustainable manner throughout the project. Increased runoff due to vegetation clearance and/or soil compaction must be managed, and steps must be taken to ensure that storm water does not lead to bank instability and excessive levels</p> <p><u>4. Invasive alien vegetation</u> Vegetation must be monitored and managed on an on-going basis during construction and operation. Alien vegetation must not be allowed to further colonise the area, and all new alien vegetation recruitment must be eradicated or controlled, using standard methods approved by the Department.</p> <p><u>5. Design and layout</u> A detailed layout plan needs to be submitted to our Department showing all the facilities in the proposed development, distance from the any watercourse and bathroom facilities. Details of the final design must also be supplied as soon as a decision has been made, as the details of this factor may influence the environmental impact both during construction and operational phases of the project.</p> <p><u>6. Construction</u> Material with pollution generating potential must be limited in any construction activities. Any hazardous substances must be handled according to the relevant legislation relating to transport, storage and use of substance. Any spillage of any hazardous materials including diesel that</p>				

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	<p>may occur during the construction and operation must be reported immediately to our Department.</p> <p><u>7. Waste Management</u></p> <p>Rubbish bins and Enviro loose/mobile toilets must be there and enough for the people on site during construction. A letter of consent from a registered waste facility to allow contractor to empty the toilet facility at their sewer system should be submitted to our department. All sewage, grey and wash water, as well as any waste generated during the construction phase of the facilities will be collected, contained and disposed of at the permitted and / or licensed facilities of the Local Authority and this must please be confirmed in writing by the local authority.</p> <p><u>8. Rehabilitation</u></p> <p>Soils that have become compacted through the activities of the development must be loosened to an appropriate depth to allow seed germination. The necessary erosion prevention mechanisms must be employed to ensure the sustainability of all structures and</p> <p><u>9. Water Use Entitlement</u></p> <p>The Department notes that the applicant has not submitted a request for a water use authorisation from our Department. There has however a consultation session where the applicant was notified of the process to be followed and specialist reports requirements. Please be informed that engaging in water use activities (which includes the abstraction of water, disposal of sewage, construction activities within the riparian habitat or within the watercourse, etc) is unlawful without necessary authorisation from our Department. There is no indication as to how water services will be met.</p> <p><u>10. Issues to take into consideration</u></p> <p>The applicant is to submit an Environmental Impact Assessment and it should take the following issues into consideration:</p> <p>a) Should the project continue; a site visit and pre consultation meeting must be conducted by a DWS official with the applicant, which will be followed by an application for Water Use Authorisation (proof of</p>				

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	<p>consultation and submission of an application). This must be submitted to DWS in terms of the National Water Act, 1998 (Act 36 of 1998) before any construction activities take place. The water use licence application should include the following (amongst other things):</p> <ol style="list-style-type: none"> i. Fully completed application forms. The water uses that will possibly be triggered are section 21 (a), (b), (c) and (i) in terms of the National Water Act (Act 36 of 1998). These forms for the various water uses are available on the Department of water and Sanitation's website (https://www.dws.gov.za/Projects/WARMS/Licensing/licensing1.aspx) or upon request; ii. Registration fee (R115) and proof of payment; iii. Certified copy of the representative's id, company registration information; iv. Copy of the property title deed; v. Copy of the property zoning document; vi. Letter of consent from land owner if the applicant is not the land owner; vii. A copy of 1:50 000 topographic map / 1:10 000 indicating map name number of farm boundaries including subdivision; viii. Approved EMP, Water Quality Management Report, Geohydrological Report; with Overall Water Balance; ix. Wetland Delineation Report, assessment of 1:100 year floodline, Stormwater management; x. A scientifically determined buffer would need to be determined between the development and the wetland; xi. Signed Design Drawings and Engineer Report (storm water trenches, wastewater treatment facility, onsite sanitation etc), designed by ECSA registered Engineer; xii. Environmental Impact Assessment Report and Environmental Authorisation/RoD From Environmental Affairs; xiii. Public Participation Correspondence (notice proof and minutes from meeting); xiv. Section 27 (1) of NWA of 1998 No. 36 and proof of BBBEE status; 				

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	<p>xv. Service level agreement with waste collector (sewage, domestic and oil) and water services provider during construction;</p> <p>xvi. Water Supply and water demand analysis; and</p> <p>xvii. Clearance Letter from Land Claim.</p> <p>b) The Environmental Management Programme (EMP)/EIA must clearly show all water courses as defined in the National Water Act, 1998 (Act 36 of 1998) as well as the delineation 1:100 year flood lines. No activity may occur within the 1:100 year flood line of a river/drainage lines without authorisation. No activity may occur within the 500 metres of a pan/wetland (perennial/non perennial) without authorisation.</p> <p>c) The EMP/EIA must clearly show the methods for collecting, storing, transporting and finally disposing of all waste products produced as well as the responsible and accountable persons. This includes written consent from the relevant accredited waste disposal site/ sewage disposal/ oil disposal in handling the waste. All applicable sections of the National Environmental Management: Waste Act 59 of 2008 should be strictly adhered to.</p> <p>d) The EMP/EIA must clearly identify all risks that are associated with the project that can affect the water resources in and around the project area and state all implementable measures to prevent and respond to accidents and abnormal events that may occur.</p> <p>e) The EMP/EIA must clearly show through a responsibility matrix and organogram the responsible persons for implementing the mitigation measures and reporting lines, in the event of an accident.</p> <p>f) The EMP/EIA must show in written form that the developer has made a legally binding commitment to implement the proposed mitigation measures and that these measures are not only suggestions and recommendations.</p> <p>g) The EMP/EIA must clearly show the process followed if the developer does not comply with the legal requirements of the EMP and National Water Act, 1998 (Act No 36 of 1998).</p> <p>11. Conclusion</p>				

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	The Department has no objections to this activity, provided the applicant has provided proof of adherence to the above-mentioned recommendations and addressed all issues contained in this letter. Please also take note that additional water uses may be triggered because of the burrow pits excavations. This reply does not grant any exemption from the requirements of any applicable Act, Ordinance, Regulation or By-law.				
12.	<ol style="list-style-type: none"> 1. What impact will the project have on the municipal bulk infrastructure? 2. What is the municipal involvement on the project? 3. How will the project impact on the water infrastructure, w. r. t the pressure? 4. What economic opportunities will be available for local SMME's? 5. Will the groundwater option be sustainable and how will it impact on the farmers? 	G. Damoense	Comment Sheet (03-09-2019)	<p>Pro-Plan</p> <p>Nemai Consulting</p> <p>Pro-Plan</p> <p>Pro-Plan</p> <p>Nemai Consulting</p> <p>Nemai Consulting</p>	<ol style="list-style-type: none"> 1. Replacement of pipeline through Postmasburg will cross municipal infrastructure. 2. District municipalities (DM) and Local Municipalities (LM) within the study area have been identified and included in the database, contained in Appendix F8 of the Draft BAR. All affected District and local municipalities have been notified of the project and have been continually kept informed as the Environmental Assessment Process progresses. The DM and LM were provided with a copy of the Draft BAR. 3. Pressure on Sedibeng Water Pipeline will remain the same because Clifton Reservoir drives pressure in pipeline up to Gloucester break pressure reservoir. Water pressure in town is a function of municipal storage capacities and condition and management of municipal infrastructure. Project will therefore not impact municipal water infrastructure w.r.t. pressure. 4. SMME's can benefit from the project during construction depending on their line of business. 4. EMPr provides provision for the involvement of local labour and benefits to SMME's. Refer to Section 12.4.7 <i>Management of Labour Force</i>. 5. Comment pertains to SD1 and SD2 and will be addressed as part of the separate EIA process.

NO.	COMMENT/ QUERY/ ISSUE	RAISED BY	SOURCE & DATE	RESPONSE FROM	RESPONSE
13.	I could not make yesterday's meeting. I am worried about the fact that it was mentioned in the meeting that they will replace the pipe from the river with a similar pipe. Previous studies showed the cost of upgrading to be the biggest concern and not the water in the river. On the previous meeting you mentioned that to extract more water from the river was not investigated. This should be done properly to make sure about the size of the pipe. With the current scenario it is clear that the decision was made long ago to extract the groundwater and not to try and bring more water from the river. With the amount of money already spent on the boreholes and specific designed upgrade on the line to accommodate the borehole pumping I believe the writing is on the wall and you quickly run through the normal legalities. I will have a bit more trust in the project if it allows for more water from the river.	S. Van Niekerk	Email (04-09-2019)	Pro-Plan	The project team is making an effort to increase the pipeline capacity from the Vaal River. The project team obtained approval to increase 1 of 3 pump lines from the river. The other 2 are subject to re-evaluation at a later stage.
14.	Can you please provide this to Donovan as discussed with him yesterday at Ulco. <i>Climate Change Projections and Vulnerability Assessment for the Northern Cape Province Report</i> and a <i>Vulnerability Index for the Northern Cape Province</i> , was provided to Nemaï.	G. Faber	Email (04-09-2019)	Nemaï Consulting	Nemaï Consulting acknowledges receipt of the documents provided by the IAP.
15.	<p><u>Interim Comment</u> The SAHRA Archaeology, Palaeontology and Meteorites (APM) Unit requests that the submitted HIA be revised to include adequate descriptions of heritage resources identified. Photographs must be provided of each site including landscape shots showing where the site is located within the context of the area. Additionally, GPS coordinates provided in the table on page 9 and 10 of the HIA must not include non-heritage sites i.e. "No access gate locked".</p> <p>Terms such as "Farm" or "Flakes" are not acceptable descriptions of heritage resources. The impact to each site must be noted as per section 38(3)c of the NHRA and it must be stated if any heritage site will be impact and how they will be impacted by the proposed development. Relevant mitigation measures must be provided to ensure there will be no negative impacts to the identified heritage resources as per section 38(3)g of the NHRA.</p> <p>Additionally, a Phase 1 PIA inclusive of a site visit of the sections of the proposed project area that are located in the Kalahari and Vryburg Formations must be conducted</p>	N. Higgitt SAHRA	Letter (16-09-2019)	Nemaï Consulting	<p>The Heritage Impact Assessment (HIA) Report was revised to incorporate the comments provided by SAHRA. The revised report is included in Appendix G3 of the Draft BAR.</p> <p>A Phase 1 PIA inclusive of a site visit of the sections of the proposed project area that are located in the Kalahari and Vryburg Formations was conducted and have been included in Appendix G4 of the Draft BAR.</p> <p>The revised HIA and Phase 1 PIA will be submitted to SAHRA on SAHRIS for review.</p>

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	<p>as part of the EA application i.e. before the Final BAR is submitted to the competent authority for review.</p> <p>SAHRA will provide further comments upon receipt of a revised HIA and the requested field PIA.</p> <p>SAHRA advises the applicant to extend the EA application process in terms of section 19(1)b of the NEMA Regulations in order to comply with this comment.</p>				
16.	<p>COMMENTS ON THE DRAFT BASIC ASSESSMENT REPORT FOR THE PROPOSED VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME PHASE 2: UPGRADING OF THE EXISTING SCHEME IN THE NORTHERN CAPE PROVINCE</p> <p>The Application for Environmental Authorisation and Draft Basic Assessment Report (BAR) dated August 2019, received by the Department on 26 August 2019 and acknowledged on 28 August 2019, refer.</p> <p>The letter serves to inform you that the following information must be included in the Final BAR.</p> <p><u>a) Specialist Studies</u> The terrestrial and socio-economic impact assessment specialist studies must be peer reviewed since they were conducted by an in-house specialist and all maps must be presented in colour, not in black and white. Please note that the peer reviewed studies would constitute new information and must be provided to the interested and affected parties as part of the consultation Basic Assessment Report. In this regard, your attention is drawn to Regulation 19(b) of GN R.982 discusses in the "General" comments hereunder.</p> <p><u>b) Coordinates</u> Please indicate whether the coordinates provided in Appendix D represent the bend points of the proposed pipeline, or if they were measured at set intervals. Please also indicate, in that table, which of the coordinates best represents the start, middle and end point of the pipelines.</p> <p><u>General</u> Please ensure the BAR, specialist studies and EMPr comply with requirements of the relevant appendices in the</p>	B. Mtyana (<i>Department of Environment, Forestry and Fisheries</i>)	Letter (20-09-2019)	Nemai Consulting	<p>a. The Terrestrial and Socio-Economic Impact Assessment Specialist Studies were peer reviewed. The peer review report and the amended studies are included in Appendix G5 and G6 of the Draft BAR. As the peer reviewed studies constitute new information, the Draft BAR, inclusive of the peer reviewed studies, will be lodged for a second 30-day review period which will commence from 04 December 2019 to 27 January 2020.</p> <p>b. The coordinates provided in Appendix D of the Draft BAR, represent the bend points of the proposed pipeline. The coordinates, which best represent the start, middle and end point of the pipelines, have been included in Appendix D of the Draft BAR.</p> <p>The BAR complies with the requirements as stipulated in Appendix 1 of Government Notice (GN) No. 982 of the 2014 EIA Regulations, as amended. Refer to the Document Roadmap in Section 2 of the Draft BAR.</p> <p>The specialist studies comply with the requirements as stipulated in Appendix 6 of GN. No. 982 of the 2014 EIA Regulations, as amended.</p> <p>The EMPr complies with the requirements as stipulated in Appendix 4 of GN. No. 982 of the 2014 EIA Regulations, as amended. Refer to the Document Roadmap provided in Section 2 in the EMPr (contained in Appendix H of the Draft BAR).</p>

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	<p>EIA Regulations, 2014 as amended. You are reminded to ensure that EMPr distinguishes between impact management outcomes and impact management actions (the manner in which the impact management outcomes will be achieved) per Appendix 4 1(1)(d) and (f) of GN R. 982 (as amended).</p> <p>You are further reminded to comply with Regulation 19(1)(a) of the NEMA EIA Regulations, 2014, as amended, which states that: <i>“Where basic assessment must be applied to an application, the applicant must within 90 days of receipt of the application by the competent authority, submit to the competent authority –</i> <i>(a) a basic assessment report, inclusive of specialist reports, and EMPr, and where applicable a closure plan, which have been subjected to a public participation process of at least 30 days and which reflects the incorporation of comments received, including any comments of the competent authority.”</i></p> <p>Should there be significant changes or new information that has been added to the BAR or EMPr which changes or information was not contained in the reports or plans consulted on during the initial public participation process, you are therefore required to comply with Regulation 19(b) of the NEMA EIA Regulations, 2014, as amended, which states: <i>“the applicant must, within 90 days of receipt of the application by the competent authority, submit to the competent authority- (b) a notification in writing that the basic assessment report, inclusive of specialist reports an EMPr, and where applicable, a closure plan, will be submitted within 140 days of receipt of the application by the competent authority, as significant changes have been made or significant new information has been added to the basic assessment report or EMPr or, where applicable, a closure plan, which changes or information was not contained in the reports or plans consulted on during the initial public participation process contemplated in subregulation (1)(a) and that the revised reports or, EMPr or, where applicable, a closure plan will be subjected to another public participation process of at least 30 days”</i></p>				<p>Provision is made in the EMPr for impact management outcomes and impact management actions as per Appendix 4 1(1)(d) and (f) of GN R. 982 (as amended).</p> <p>A notification in writing was provided to the DEFF in terms of Regulation 19(1)(b) of the EIA Regulations, 2014, as amended, that the Final BAR, inclusive of specialist reports and the EMPr, will be submitted to the Department within 140 days of receipt of the application by DEFF.</p>

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	<p>Should you fail to meet any of the timeframes stipulated in Regulation 19 of NEMA EIA Regulations, 2014 as amended, your application will lapse.</p> <p>You are requested to submit one (1) hardcopy of the Basic Assessment Report (BAR) to the Department and atleast one (1) electronic copy (USB/CD) of thr complete final report with the hard copy document.</p> <p>You are hereby reminded of Section 24F of the National Environmental Management Act, Act No. 107 of 1998, as amended, that no activity may commence prior to an Environmental Authorisation being granted by the Department.</p>				
17.	<p>We refer to the above-mentioned matter and writer's telephonic conversation with Ms. Rozelda Mlozana with regard to the construction of a new pipeline on the above mentioned property from the Vaal Gamagara Pump Station (Sedibeng Water) to Kathu and others.</p> <p>Attached is a letter which our Partnership (who operates the farming business on the property) addressed to Sedibeng Water, the content that speaks for itself.</p> <p>You will note this letter was addressed years ago and we have not yet received an answer to it.</p> <p>We were later requested to reapply at the Sedibeng offices in Vaal Gamagara, where we were requested to consent that Sedibeng Water build a road over our property from the adjacent tar road for the transport of dangerous chemicals.</p> <p>At that meeting, we had already given notice that we do not support it because our past experience with Sedibeng Water and Vaal Gamagara was extremely problematic.</p> <p>The predecessor and legal title and interest of the property agreed that the servitude of water pipeline over farm 218 be registered subject to certain conditions. None of these conditions were met. This resulted in that we were obliged to remove the access gate and close it for reasons as set out in this letter.</p>	J. Botma (<i>Broekskeur Boerdery</i>)	Letter (07-10-2019)	Sedibeng Water	This issue does not affect the progress on the project (the matter was shelved).

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	<p>Sedibeng / Vaal Gamagara now requests access to our property for laying a further pipeline in spite of Sedibeng / Vaal Gamagara's neglect to resolve the problems we have as an adjacent owner to Vaal Gamagara as set out in our aforementioned letter, Vaal Gamagara remains failing to implement the terms and conditions of the agreement.</p> <p>As the questions outlined above have not yet been answered, we are thus not prepared to hold any discussions with you regarding the request.</p> <p>We reserve all our rights in this regard and suggest that you make an appointment in Kimberley to discuss the matter with us.</p>				

MINUTES OF PUBLIC MEETINGS (3-5 SEPTEMBER 2019) – REVIEW PERIOD OF DRAFT BAR

Comments raised during the public meetings associated with the VGRWSS-II: Upgrade of the Existing Scheme have been incorporated into this section of the CRR. However, comments raised during public meetings pertaining to the SD1 and SD2 component are not included in this section and will be incorporated into a separate CRR. Minutes of meetings from the review period of the Draft BAR are included in Appendix F6 of the Draft BAR.

NO.	COMMENT/ QUERY/ ISSUE	RAISED BY	SOURCE & DATE	RESPONSE FROM	RESPONSE
1.	The Vaal River does not have enough water to sustain the scheme. Why can't you explore other water resources? The same problem lies with the groundwater.	A. J. Ford	Public Meeting (03-09-2019)	Nemai Consulting	D. Henning stated that in the Draft BAR, a write-up on the alternative options previously investigated is provided, including why more water cannot be abstracted from the Vaal River. D. Henning also indicated that the pre-feasibility and feasibility studies are available on the DWS website. D. Henning added that the previous groundwater studies conducted will be made available to A.J. Ford.
2.	The municipalities need to be involved with the project.	G. Damoense	Public Meeting (03-09-2019)	Nemai Consulting	Prior to the BA Process, the District and Local Municipalities were engaged with as part of the Feasibility Study to understand the water demands, which is written up in the latest Water Demand Study. As part of the BA Process, we must engage with all Interested and Affected Parties (IAPs), which include the District and Local Municipalities. All the information being sent out has also been forwarded to all the affected municipalities and Councillors.
3.	Can we not explore taking water from the sea (desalination), which is about 208km away? From a long term perspective it might be beneficial.	A. Ford	Public Meeting (03-09-2019)	Nemai Consulting	D. Henning stated that the operation of a desalination plant is expensive, and the energy spent to pump water from sea level to the area in question will be too expensive. However, the principle is that during the pre-feasibility stages of the project, all alternative options were investigated and screened. Only those options that were feasible were considered further in the process.
4.	<ol style="list-style-type: none"> 1. Want to see an integrated approach from the company dealing with the bulk infrastructure for Sedibeng Water with the Dikgatlong Municipality. Infrastructure in the municipality will also need to be upgraded to decrease leakages and water losses. 2. With regards to fauna and flora, how will snakes be managed during the construction of the pipeline? 	G. Damoense	Public Meeting (03-09-2019)	Nemai Consulting	<ol style="list-style-type: none"> 1. D. Henning indicated that the municipality's demands have been incorporated into the Feasibility Study for the project and he noted that the municipalities are well aware of the project. 2. D. Henning stated that the Environmental Management Programme (EMPr), which is an appendix of the Draft BAR, contains specific measures for managing impacts

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					related to fauna and flora. The contractor must comply with the EMPr during the construction phase.
5.	Have the water users considered ways to recycle and re-use water?	F. Scheper	Public Meeting (03-09-2019)	Nemai Consulting	D. Henning indicated that during the pre-feasibility stage of the project, they looked at and considered all possible sources to see if the demand could be met and what will be the best option.
6.	During the construction of the initial pipeline, heaps of spoil were left next to the servitude. Is there a possibility that the old spoil material can be removed?	D. Doman	Public Meeting (03-09-2019)	Nemai Consulting	D. Henning stated that spoil is classified as inert waste. It was not properly managed during the previous construction process. D. Henning indicated that this will be discussed with Sedibeng Water.
				Pro-Plan	J. Botha added that he has recently seen mines removing the old spoil to rehabilitate existing mines.
7.	How will directly affected communities be involved and how will they benefit from this project?	F. Scheper	Public Meeting (03-09-2019)	Nemai Consulting	D. Henning indicated that the EMPr provides provision for the involvement of local labour and benefits to SMME's.
8.	It was previously mentioned to consider transferring the water from Douglas, from the Orange River, as the water quality of the Vaal River is very poor.	J. Gous	Public Meeting (03-09-2019)	Nemai Consulting	D. Henning indicated that during the pre-feasibility and feasibility studies, alternative water sources and options were looked at, and from those studies the most feasible option was identified and then taken forward.
9.	Are you planning to install a larger pipe or three small ones?	J. Gous	Public Meeting (03-09-2019)	Pro-Plan	J. Botha indicated that the plan for the upgrading of the existing scheme is for the old pipe to be taken out and then to use the trench of the old pipe. Furthermore, the old pipe will be replaced with a larger pipe. Then we will look at replacing the pipe between Delpportshoop and Clifton Reservoir with an 800 mm steel pipe, then from Clifton Reservoir a 900 mm steel pipe. The reason for the 800 mm pipe is due to our analysis of what the cost implications of pumping water over a period of 50 years. The analysis shows that it will be more affordable to get an 800mm or a 900mm pipe after 50 years. But the pipe to Olifantshoek will be 23 km, with a 250 mm plastic pipe. The construction servitude will include a temporary widening of the permanent servitude by 15m from Delpportshoop to Olifantshoek.
10.	Is the capacity of the old and new pipe the same?	H. Vlok	Public Meeting (03-09-2019)	Pro-Plan	J. Botha stated that the supply between Delpportshoop and Trewill pump station, based on the current design and previous

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					recommendations from the feasibility studies and water demand study, is the same. The capacity of the new pipeline will depend on how much water will need to be pumped. The volume of water available in the Vaal River for this scheme is 13.27 million cubic meters per annum. At the moment additional water is not available in the river, as Phase 2 of the Lesotho Highlands project has not been implemented yet, which is anticipated in 2025. The volume is 13.27 million cubic meters per annum up to Trewill Pump Station, because thereafter the SD1 groundwater will then tie into the main pipeline and thus a higher capacity is required for the pipe.
11.	Will the pipeline be installed in the existing servitude, and what depth is required for the installation of the pipeline?	W. Uys	Public Meeting (03-09-2019)	Pro-Plan	J. Botha indicated that the proposed pipeline will fall within the existing servitude. J. Botha indicated that they do not want the pipeline depth to be shallow, as the existing pipe was at a depth of 900mm. With this new pipeline the minimum cover will be around 1.2 m.
12.	The reality is that we don't have enough water for the pipeline. The splitting of the components is yet again an example that this process is just a tick-box exercise. The Lesotho project hasn't been completed yet and will take 15 years before the water reaches Delportshoop. Where will the water come from in the future?	J. Bredenkamp	Public Meeting (03-09-2019)	Nemai Consulting	D. Henning stated that the applications for the project components were split, as the SD1 and SD2 groundwater abstraction component is far more sensitive than the upgrading of the existing scheme. Sedibeng Water must first prove that they'll be able to abstract the water without impacting on the existing water users. With SD1 and SD2, the relevant authorisations (Environmental Authorisation and Water Use Licence) will first need to be issued before groundwater can be abstracted. D. Henning explained, by way of an example, that a project will not just receive authorisation, regardless of its strategic importance. The EIA needs to adequately address potentially significant environmental impacts.
				Pro-Plan	J. Botha added that the current pipeline is old and needs to be replaced.
13.	To add on to what J. Bredenkamp said, if the pipe was made larger from Delportshoop to Postmasburg, then we would know that the supply isn't only reliant on groundwater.	H. Vlok	Public Meeting (03-09-2019)	Nemai Consulting	D. Henning noted that the upgrading of the existing scheme can be regarded as a standalone project, which is not necessarily reliant on the proposed groundwater abstraction.

NO.	COMMENT/ QUERY/ ISSUE	RAISED BY	SOURCE & DATE	RESPONSE FROM	RESPONSE
14.	What is the lifespan of the pipeline, once installed? There are already water issues in the area and you won't abstract groundwater here, forget it. No one here will support you. However, the existing pipeline needs to be replaced.	N. De Ath	Public Meeting (03-09-2019)	Pro-Plan	J. Botha stated that the lifespan of the pipe is approximately 50 years.
15.	What is the volume of water required for the project?	N. De Ath	Public Meeting (03-09-2019)	Pro-Plan	J. Botha stated that the entire scheme has been designed to supply 28 million cubic meters per year.
16.	1. The gravity fed pipeline and the Beeshoek pipeline can't be pumped at the same time. Will this issue be addressed with this design? 2. The pipeline proposed for the upgrade of the existing scheme must be designed to have sufficient capacity to be able to abstract the full supply of 28 million cubic meters from the Vaal River.	J. Kotze	Public Meeting (03-09-2019)	Pro-Plan	1. J. Botha indicated that the plan is to assess the pipeline from Postmasburg to Gloucester Reservoir, because if the pipelines are proficient enough then the pipelines can be operated in parallel.
				Nemai Consulting	2. D. Henning indicated that this concern will need to be discussed with the project team, and feedback will be provided.
17.	What is the progress of the negotiations with Sedibeng Water and the end users, as well as with the funding of the project?	A. Viljoen	Public Meeting (03-09-2019)	Pro-Plan	J. Botha stated that based on the monthly progress meetings with Sedibeng Water, it was indicated that the negotiations haven't been finalised as of yet, but there has been progress with the mines. He added that in terms of the financial aspects, Sedibeng Water is a state owned company and is dependent on funding from Treasury. It is approximately a 45% - 65% split between funding provided from the State and the mines.
18.	If the pipe was coming from Douglas, it is more cost effective and an easier task as there is water in the Orange River, unlike the dirty water from the Vaal River.	W. Uys	Public Meeting (03-09-2019)	Nemai Consulting	D. Henning indicated that during the pre-feasibility and feasibility stage, they would have looked at alternative sources. D. Henning added that the pre-feasibility and feasibility studies will be made available to the public. He indicated that a write-up on the previous alternative options investigated will also be provided in the Draft BAR to be provided to the public for review.
19.	Will offtake points be available to the farmers directly affected by the pipeline?	H. Bredenkamp	Public Meeting (03-09-2019)	Pro-Plan	J. Botha indicated that provision is made for the existing offtake points.
				Nemai Consulting	D. Henning added that new offtake points will need to be registered.
20.	Requested a copy of the public meeting presentation.	E. Mphatoe (Gamagara Municipality) Local	Public Meeting (04-09-2019)	Nemai Consulting	D. Henning indicated that a copy of the presentations will be provided.
21.	1. In the presentation a servitude is mentioned. Who qualifies for that servitude, because there are a lot of farms traversed by the pipeline? Will it only be those parties who have the pipeline on their land?	M. Selao (Water Forum)	Public Meeting (04-09-2019)	Nemai Consulting	1. D. Henning stated the people who qualify are those who are directly affected by the pipeline servitude. There are specific regulations for the land acquisition process

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	<p>2. You mentioned that you will return in February to tell us if the project will proceed or not.</p> <p>3. When is it intended for the project to commence, should it be authorised?</p>				<p>and the regulations make provision for the compensation of affected parties. Compensation will only apply to those parties directly affected by the construction of the pipeline.</p> <p>2. D. Henning indicated that in terms of the Basic Assessment Process, once the Final BAR is submitted to the Department of Environment, Forestry and Fisheries, they will then review and make a decision. Everyone will be notified of the decision, and Interested and Affected Parties (I&APs) will have an opportunity to appeal. The appeal process will be explained as part of the notification.</p> <p>3. D. Henning stated that if the Environmental Authorisation is granted and any appeals are lodged, then construction may not commence. The Environmental Authorisation will stipulate a validity period, which is normally a period of 5 years. If construction does not commence within that period, then an extension can be requested, and if not then they will need to start the entire process again. J. Botha stated that construction should start within the following year. Due to the extent of the project, the construction period could take up to 10 years.</p>
22.	Given the capacity of the pipeline, what impact does the project have on Sedibeng Water's clients?	M. Selao (Water Forum)	Public Meeting (04-09-2019)	Pro-Plan	J. Botha stated they are currently looking at a capacity of 22-28 million cubic meters per year, based on water demands. The volume of water abstracted from the Vaal River will also have an influence on size of the pipe, which is a risk for Sedibeng Water. If a smaller pipe is installed then years down the line there might be a demand for a bigger pipe.
23.	When are you scheduled to convene the public meetings for the proposed SD1 and SD2 groundwater abstraction project in Danielskuil and Postmasburg?	D. Rooi (Kathu Gazette/ Community Member)	Public Meeting (04-09-2019)	Nemai Consulting	D. Henning indicated that the meetings will probably be scheduled in October, 2019 and notifications will be provided to all registered I&APs.
24.	Requested a copy of the public meeting presentation.	E. Mphatoe (Gamagara Local Municipality)	Public Meeting (04-09-2019)	Nemai Consulting	D. Henning indicated that a copy of the presentations will be provided.

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25.	Will our farm roads be used for gaining access?	K. York (Papkuil Boerevereniging)	Public Meeting (04-09-2019)	Pro-Plan	J. Botha stated that existing roads will be used, as far as possible.
26.	<p>1. Is the diameter of the pipe that will be installed larger than the existing pipe?</p> <p>2. Security is crucial in this area. There is no problem with the upgrading of the existing pipeline. It needs to be maintained and the access routes to the pipeline must be supervised. Looking at the farms where Eskom powerlines and the railway runs through, their property values have reduced. That's the risk that the farmers face and no one wants that.</p> <p>3. Noted that previous floods had damaged Eskom's powerlines and the poles needed to be moved.</p> <p>4. The spoil from the project be reused to fill old quarries. You need to make sure that the environment is properly rehabilitated, because in the past no rehabilitation was done for other projects.</p>	K. York (Papkuil Boerevereniging)	Public Meeting (04-09-2019)	Pro-Plan	1. J. Botha indicated that the existing pipe is 680 mm and that the new proposed pipe is 800mm.
				Nemai Consulting	2. The socio-economic specialist will need to assess impacts to property values.
				Nemai Consulting	3. Noted.
				Nemai Consulting	4. To be considered further.
27.	Maintenance of the fences is important. The fences should always be closed. If left open, it becomes a problem as the jackals or caracals will enter the farm and kill the livestock, and you will struggle for months to get rid of them.	K. York (Papkuil Boerevereniging)	Public Meeting (04-09-2019)	Nemai Consulting	<p>C. van der Hoven indicated that the Environmental Management Programme (EMPr) contains mitigation measures for impacts on the receiving environment during the pre-construction, construction and operational phases of the project.</p> <p>D. Henning added that K. York must download and review the EMPr and have a look at the measures provided, as it is an important document. It is a legally binding document for the contractor, and if not complied with, parties can speak to the Environmental Control Officer (ECO) who reports to the mandated authorities.</p>
28.	Wetlands and Olive Trees are very important in our area.	K. York (Papkuil Boerevereniging)	Public Meeting (04-09-2019)	Nemai Consulting	D. Henning provided an overview of the wetland specialist study. The terrestrial ecological specialist accessed the impacts on the Olive Trees, which is provided in the Draft BAR and Terrestrial Ecological Impact Assessment Report.
29.	Requested a link to download the electronic version of the Draft BAR, as well as a copy of the public meeting presentation.	K. York (Papkuil Boerevereniging)	Public Meeting (04-09-2019)	Nemai Consulting	C. van der Hoven indicated that an electronic link to the Draft BAR and copy of presentations will be provided.
30.	T. Moleleki indicated that he is a representative from the Department of Rural Development and Land Reform. He	T. Moleleki	Authority Meeting	Nemai Consulting	D. Henning explained the various project components. He noted that the majority of the

NO.	COMMENT/ QUERY/ ISSUE	RAISED BY	SOURCE & DATE	RESPONSE FROM	RESPONSE
	indicated that their Department's main focus is to ensure that communities have access to basic services.	(Department of Rural Development & Land Reform)	(05-09-2019)		concerns expressed to date relate to the proposed groundwater abstraction at SD1 and SD2.
31.	T. Moleleki asked whether the impacts on agricultural infrastructure has been assessed.	T. Moleleki (Department of Rural Development & Land Reform)	Authority Meeting (05-09-2019)	Nemai Consulting	C. van der Hoven indicated that an Agricultural Impact Assessment was undertaken, which identified major agricultural practices in the area. D. Henning added that the Environmental Management Programme (EMPr) makes provision for managing impacts to agricultural activities during the pre-construction, construction and operational phases of the project. The construction servitude will be fenced off prior to construction. This serves to keep all construction activities in a defined area, within the construction servitude.
32.	Requested a link to the electronic version of the Draft BAR.	T. Moleleki (Department of Rural Development & Land Reform)	Authority Meeting (05-09-2019)	Nemai Consulting	C. van der Hoven indicated that a link will be provided.

APPENDIX F8

DATABASE OF AUTHORITIES, STAKEHOLDERS, LANDOWNERS AND REGISTERED
IAPS

VGRWSS-II: Upgrade of Existing Scheme - Authorities Database

Organisation	Name	Designation	Telephone	Fax	Cell	Email
NATIONAL GOVERNMENT						
Department of Environment, Forestry and Fisheries (DEFF)	Milcent Solomons		012 399 9382			msolomons@environment.gov.za
DEFF	Sindiswa Dlomo		0123999390			sdlomo@environment.gov.za
DEFF	Fiona Grimett		0123999393			fgrimett@environment.gov.za
DEFF: Biodiversity	Stanley Tshitwamulomoni	Biodiversity Conservation	012 399 9587			StanleyT@environment.gov.za
DEFF: Biodiversity	Seoka Lekota					slekota@environment.gov.za
DEFF	Masina Litsokane		012 399 9375			MLitsokane@environment.gov.za
DEFF	Bongeka Ngcoliso	Integrated Environmental Authorisations: IPS & S24G	012 399 9376			BNgcoliso@environment.gov.za
DEFF	Bongeka Mtyana	Case Officer	012 399 9376			BMtyana@environment.gov.za
Department of Water & Sanitation (DWS)	Piet Ackerman	Chief Landscape Architect	0123368217		082 807 3512	AckermanP@dwa.gov.za
DWS						
DWS						
Department of Energy (DoE)						
Department of Agriculture						
DENC	Dineo Moleko	Manager EIA's	0538313530		0790809456	dmoleko@ncpg.gov.za
South African Heritage Resource Agency (SAHRA)	Lynette Spongile Van Damme	Chief Executive Officer	021 462 4502	021 462 4509		svandamme@sahra.org.za
SAHRA	Mary Leslie	Archaeology, Palaeontology and Meteorite Unit	021 462 4502	021 462 4509		mleslie@sahra.org.za
SAHRA	Phillip Hine	Archaeology, Palaeontology & Meteorites Unit	021 462 4502			phine@sahra.org.za
SAHRA	N. Higgitt		021 462 4502			nhiggitt@sahra.org.za
South African National Roads Agency SOC Ltd	Nicole Abrahams	Western Region: Environmental Coordinator	021 957 4600		062 215 8945	AbrahamsN@nra.co.za
South African National Roads Agency SOC Ltd	S. Dyers	Statutory Control	021 957 4618			DyersS@nra.co.za
South African National Roads Agency SOC Ltd	Rene de Kock		021 957 4607			Dekockr@nra.co.za
South African National Roads Agency SOC Ltd	C Runkel	Statutory Control	021 957 4600			runkelc@nra.co.za
National Dept of Finance	Malcolm Pautz	National Treasury - Municipal PPP Unit	012 315 5807		0833879952	malcolm.pautz@treasury.gov.za
National Dept of Tourism	Palesa Kadi		012 310-3235		079 490 0683	pkadi@tourism.gov.za
National Dept of Tourism	Kingsley Makhubela	Director General	012 310 3473			kimmakhubela@tourism.gov.za
National Dept of Public Enterprises	Ms. Caroline Richardson / Joan Arrikum	Acting Deputy Director General: Joint Project Facilitator			084 513 0804	caroline.richardson@dpe.gov.za
South African Chamber of Commerce and Industry			011 446 3800	011 446 3850		chambers@sacci.org.za
Dept of Labour	Mr Page Boikanyo	Senior Executive Manager: Communication	012 309 4662	012 309 4662 / 012 309 4660	0828093195	page.boikanyo@labour.gov.za
Dept of Labour	Mr Gay Khaile	Director: Communication	012 309 4788 / 4608	012 309 4756		gay.khaile@labour.gov.za
Water Institution Of Southern Africa (WISA)	Evelyn	Membership Admin	011 805 3537		0113151258	wisa@wisa.org.za
Dept of Land Affairs	Mr Eddie Moheobi	Chief Director Communications	0123129648	0123233693	0825501445	ERMohoebi@dla.gov.za
Department of Cooperative Governance	Elroy Africa	Director General	012 334 0830			elroy@coqta.gov.za
Department of Rural Development and Land Reform	Mr. S. Ogunronbi	Executive Manager	012 312 9371	012 326 9524		SOgunronbi@ruraldevelopment.gov.za
South African National Biodiversity Institute (SANBI)	John Dini	Director: Freshwater Systems	012 843 5192	012 420 7988		dini@sanbi.org , U.Bahadur@sanbi.org.za
SANParks	Paul Daphney	Director of Parks	012 426 5072			pauld@sanparks.org
Dept of Trade and Industry	Mrs M. Sebotse	Officer	012 394 1714			sebotsem@samef.org.za

Chamber of Mines	Mr Niks Lesufi	Environmental Adviser	0114987661			nlesufi@bullion.org.za
South African Local Government Association (SALGA)	William Moraka		012 369 8056		082 308 5519	wmoraka@salga.org.za
SALGA	I Chauke					ichauke@salga.org.za
PROVINCIAL GOVERNMENT						
Northern Cape Department of Environment and Nature Conservation (DENC)			053 807 7430	053 831 3530		
DENC	B Fisher		053 807 7431		082 463 0224	bfisher@ncpg.gov.za ; Twessels@ncpg.gov.za
DENC	Dineo Moleko		053 831 3530			dmoleko@ncpg.gov.za
DENC	Dineo Kgosi	Assistant Manager			082 525 3332	kgosimoleko@gmail.com ; dineokgosi@gmail.com ; Dkgosi@ncpg.gov.za
DENC	Thulani Mthombeni	Frances Baard DM			0724092277	Tmthombeni@ncpg.gov.za
DENC	Ordain Riba	ZF Mcauwu DM			0609914817	ORiba@ncpg.gov.za ; oriba.denc@gmail.com
DENC	Isaac Gwija	Pixley Ka Seme DM			0609898441	igwija@ncpg.gov.za ; mr.gwija@gmail.com
DENC	Naomi Mokonopi	John Taolo Gaetsewe DM			0719202195	nmokonopi@ncpg.gov.za ; mokonopin@gmail.com
DENC						
DWS: Northern Cape Region	Abe Abrahams	Regional Manager				AbrahamsA@dws.gov.za
DWS: Northern Cape Region	Gawie van Dyk	Water Use and Regulation	053 830 8802	086 565 7917	0634074356	VanDykG@dws.gov.za
DWS: Northern Cape Region	Philani Msimango		053 836 7649			MsimangoP@dws.gov.za
DWS: Northern Cape Region	Lucky Baloyi	Groundwater Use	053 836 7620			Baloyi2@dws.gov.za
DWS: Northern Cape Region	Kgarane Keletso Irwin					KgaraneK@dws.gov.za
DWS: Northern Cape Region	Kenneth Masindi	Lower Vaal Catchment			082 809 4827	masindit@dws.gov.za
DWS: Northern Cape Region	Kelebogile Moalosi	Admin Support	053 836 7606			MoalosiK2@dwa.gov.za
Department of Mineral Resources (DMR): Northern Cape	Pieter Swart	Regional Manager	053 807 1700 / 1728/1726	053 832 8526	082 458 1404	pieter.swart@dmr.gov.za
DMR: Northern Cape Region	Johannes Nematatani	Mine Environmental Management	053 807 1700		082 441 9037	Johannes.Nematatani@dmr.gov.za
DMR: Northern Cape Region	Mr Ntsundeni Ravhugoni				082 426 3904 / 071 133 2014	Ntsundeni.Ravhugoni@dmr.gov.za
DMR: Northern Cape Region	Johannes Nematatani				082 441 9037	Johannes.Nematatani@dmr.gov.za
DMR: Northern Cape Region	Takalani Khorombi					Takalani.Khorombi@dmr.gov.za
DMR: Northern Cape Region	Patricia Makhuvele					Patricia.Makhuvele@dmr.gov.za
DMR: Northern Cape Region	Vincent Mulla	Mineral Regulation			072 635 5079	Vincent.mulla@dmr.gov.za
Department of Agriculture, Forestry and Fisheries (DAFF)	Dimakatso Viljoen Mothibi	HoD: Northern Cape	053 838 9102			Abrams@daff.gov.za
DAFF	Jacoline Mans	Chief Forester: NFA Regulation	054 338 5909		060 973 1660	jacolinema@daff.gov.za
DAFF	Mashudu Marubini		012 329-5938			mashuduma@daff.gov.za
DAFF	Christo Smit				0825596778	iabu.smit@gmail.com
Department of Sport, Arts, Culture and Heritage		HOD				
Department of Agriculture & Land Reform	Kgotso Moeketsi		053 838 9100			Kgotso.Moeketsi@drdlr.gov.za
Department of Agriculture & Land Reform	Dr. P Kegakilwe					pkegakilwe@ncpg.gov.za
Department of Agriculture & Land Reform	Nico Toerien		054 337 8001			ntoerien1@gmail.com
Department of Agriculture & Land Reform	Nadia Goltz	Sustainable Resource Management	053 8389160			ngoltz@ncpg.gov.za
Department of Agriculture & Land Reform	Tebogo Moleleki		053 830 4000		076 423 6921	tebogo.moleleki@drdlr.gov.za
Northern Cape Provincial Heritage Resources Authority (Ngwao-Boswa Jwa Kapa Bokone)	R Timothy		053 831 2537/ 079 036 9695			rtimothy@nbkb.org.za
McGregor Museum	Colin Fortune		053 839 2700			cfortune@museumsonc.co.za
McGregor Museum	Dr D. Morris	Archaeology Department	053 839 2706			dmorris@museumsonc.co.za
McGregor Museum	Annemarie van Heerden	Botany Department	053 839 2736			katte@museumsonc.co.za
Department of Cooperative Governance, Human Settlement & Traditional Affairs	L. Tshilate	Environmental Control Officer			082 939 8588	ltshilate@ncpg.gov.za
COGHSTA	Mantefeleng Booyesen					mbooyesen@ncpg.gov.za
Department of Roads & Public Works	Lotato Kegakilwe		053 839 2100			

Department of Roads & Public Works	M Sithole	Roads Design Section	053 861 9600			msithole@ncpg.gov.za
Department of Roads & Public Works		The Director: Northern Cape	054 332 4473			KNogwili@ncpg.gov.za
Department of Roads & Public Works	Jeanne Körber				082 887 8874	jeanne@joatilities.co.za
Department of Roads & Public Works	Garnett Keyser	HOD	054 332 4473			gkeyser@vodamail.co.za
Department of Social Development		HOD				
Northern Cape Economic Development Agency						
Northern Cape Department of Health	Danie Stander		053 830 0667			dstander@ncpg.gov.za
Northern Cape Office of the Premier	Z. Langeveldt		053 8382600			ZLangeveldt@ncpg.gov.za
Northern Cape Office of the Premier	Cynthia Joseph		053 8382600			cynthia.joseph@ncpg.gov.za
LOCAL GOVERNMENT						
Frances Baard District Municipality	Mbulelo Duba				0718710268	Mbulelo.duba@fbdm.co.za
Frances Baard District Municipality	Mr P Marekwa (Executive Mayor) / Masego Mosala (Office Manager)	Office of the Executive Mayor	053 838 0904			masego.mosala@fbdm.co.za
Frances Baard District Municipality	Ms Mamikie Bogatsu / Fatima Ruiters (Personal Assistant)	Municipal Managers Office	053 838 0998			fatima.ruiters@fbdm.co.za
Frances Baard District Municipality	Mr Lesego Ngwira (LED & Tourism Manager)	Local Economic Development (LED) & Tourism	053 838 0939			lesego.ngwira@fbdm.co.za
Frances Baard District Municipality	Karin Rheeder (Secretary)	Department Infrastructure Services	053 838 0927			karin.rheeder@fbdm.co.za
Frances Baard District Municipality	Ms U Buda (Speaker) / Thapelo O Nkala Platjije (Secretary)	Office of the Speaker	053 838 0992			thapelo.platjije@fbdm.co.za
Frances Baard District Municipality	Ms Bulelwa Skwet (Secretary)	Department Planning & Development	053 838 0920			bulelwa.skwet@fbdm.co.za
Frances Baard District Municipality	Ntshavheni (Freddy) Netshivhodza	Town Planning	053 838 0929			freddy.netshivhodza@fbdm.co.za
Frances Baard District Municipality	Kenneth Lucas	Environmental Manager	(053) 838 0998			kenneth.lucas@fbdm.co.za
Dikgatlong Local Municipality	Andrew Modise	Municipal Manager	053 531 6505			
Dikgatlong Local Municipality		Technical Director	053 531 6500			
Dikgatlong Local Municipality	Mr. Odirile August	Acting Town Planner	053 531 6506			odirileaugust@gmail.com registry@dikgatlong.co.za
Dikgatlong Local Municipality	Mayor's PA - Maria	Office of the Mayor	053 531 6500			mayor.secretary@dikgatlong.co.za
Dikgatlong Local Municipality	Thabo Swarts				0829283899	ctswarts71@gmail.com , jsroos05@gmail.com
Dikgatlong Local Municipality	Pulenyana Combrinck	Councillor Ward 6			0729176870	psdiphocombrink@gmail.com
ZF Mgcawu District Municipality	G Lategan	Municipal Manager	054 337 2800 / 2820			gil@zfm-dm.gov.za , gil@vodamail.co.za
ZF Mgcawu District Municipality		Technical Director	054 337 2800			
ZF Mgcawu District Municipality		Director - Planning	054 337 2800			
ZF Mgcawu District Municipality	Admin Office		054 337 2800			admin@zfm-dm.gov.za
ZF Mgcawu District Municipality	A Phete		054 337 2800			anp@zfm-dm.gov.za
Kgatelopele Local Municipality	Monde January	Municipal Manager	053 384 8600			mm@kgatelopele.gov.za
Kgatelopele Local Municipality	Thulaganyo Barnett	Technical Director	053 384 8600			techmanager@kgatelopele.gov.za
Kgatelopele Local Municipality		Office of the Mayor	053 384 8600			mayorsec@kgatelopele.gov.za
Kgatelopele Local Municipality	Malebogo More		053 384 8600			snr.cdc@kgatelopele.gov.za
Kgatelopele Local Municipality	George Ngesi	Councillor Ward 1			0723187497	ngesigeorge7@gmail.com
Kgatelopele Local Municipality	Ebrahim Sulliman	Councillor Ward 2			0824703750	Klimward2cfr@kgatelopele.gov.za
Kgatelopele Local Municipality	Rene Losper	Councillor Ward 3			0664760920	ladylosper@kgatelopele.gov.za
Kgatelopele Local Municipality	Irene Williams	Councillor Ward 4			0796919404	IW2939029@gmail.com
Kgatelopele Local Municipality	Thanyani Mushudu	Town planning	0533840326			townplanner@kgatelopele.gov.za
Tsantsabane Local Municipality	H. Mathobela	Municipal Manager	053 313 7300		071 633 8947	mm@tsantsabane.gov.za , mmsec@tsantsabane.gov.za , gaonyadiwemathobela@gmail.com , projects@tsantsabane.gov.za
Tsantsabane Local Municipality	L. Botha	Technical Director	053 313 7300			bothabik@gmail.com
Tsantsabane Local Municipality		Director - Planning	053 313 7300			
Tsantsabane Local Municipality	Rodney Kasper	Office of the Mayor	053 313 7300		073 307 2915	rodnevkasper7@gmail.com
Tsantsabane Local Municipality	Tintshalo Mabobo		053 313 7300		07733006140	tintswalo.mabobo@gmail.com
Tsantsabane Local Municipality	Jacques Majiedt		053 313 7300		082496994	Majiedtip@gmail.com
Tsantsabane Local Municipality	Clir Estelle Poto	Councillor Ward 1			0612351558	estellepoto@gmail.com
Tsantsabane Local Municipality	Clir Idah Tsahabane	Councillor Ward 5			0784699487	lebopira734@gmail.com
Tsantsabane Local Municipality	Clir Mho Mashila	Councillor Ward 6			0782971771	mphomashila80@gmail.com

Tsantsabane Local Municipality	Cllr Tebogo Saulus	Councillor Ward 7			0788224574	tebogosaulus3@gmail.com
Tsantsabane Local Municipality	Maleshane Dube	Project Management Unit	053 313 0050		0608637300	maleshane.motse@gmail.com ; snrprotech@tsantsabane.gov.za
Tsantsabane Local Municipality	Vuyani Mpopo	Project Management Unit	053 313 0050		0672864351	protech@tsantsabane.gov.za
Tsantsabane Local Municipality	Mpumi Etebare	Administration				vusumzietebare@gmail.com
John Taolo Gaetsewe District Municipality	D. Molaole	Municipal Manager	053 712 8700			dmolaole@gmail.com ; thembitongwane:mmsec@taologatsewe.gov.za
John Taolo Gaetsewe District Municipality	M. Molusi	Technical Director				mmolusi@taologatsewe.gov.za
John Taolo Gaetsewe District Municipality	K. Teise	Director - Planning				kteise@taologatsewe.gov.za
Gamagara Local Municipality	Protea Lesenwane	Municipal Manager	0537236103			protea@gamagara.co.za
Gamagara Local Municipality	Kagiso Ositang	Manager Technical	0537236141	0647576853		ositang@gamagara.co.za
Gamagara Local Municipality	Hendry Horniet	Acting - Manager Planning	0537236161			hendryh@gamagara.co.za
Gamagara Local Municipality	Felicia Gaelatse	Office of the Mayor	053 723 6000			felicia@gamagara.co.za
Gamagara Local Municipality	Gideon Olifant		053 723 6000	0835974897		olifantg@gamagara.co.za
Gamagara Local Municipality	Gregory Kannemeyer		053 723 6000	0797933200		Kannemeyerg@gamagara.co.za
Gamagara Local Municipality	Mr Modise	LED Manager	053 723 6000			modise@gamagara.co.za
Gamagara Local Municipality	Monica Orpen	Councillor Ward 3			0783433375	orpenm@gamagara.co.za ; orpenmonica@gmail.com
Gamagara Local Municipality	Paul Lekgadi	Councillor Ward 4			0632003841	lekgadib@gamagara.co.za
Gamagara Local Municipality	Neo Magagane	Councillor Ward 5			0810176958 / 0608268156	magaganen@gamagara.co.za

VGRWSS-II: Upgrade of Existing Scheme - General Stakeholders Database

Organisation / Affiliation	Name	Designation
SERVICES		
Eskom	John Geeringh	Senior Consultant Environmental Management
Eskom	Justine Wyngaardt	ESKOM Distribution - Western Operating Unit
Eskom	Marilyn Joubert	Eskom Transmission
Eskom	Khululwa Gaongalelwe	Senior Environmental Advisor, Land Development & Management
Eskom	Nondwe Nongauza	Eskom - Distribution NC Operating Unit
Eskom		
Eskom		
Transnet		
Transnet Freight Rail	Mzoxolo Nzeku	
Transnet Freight Rail	Francis Rahlapane	Risk Manager
Transnet Freight Rail		Kimberley
Transnet Freight Rail		Postmasburg
Transnet Freight Rail	Asavela Zenani	Depot Engineeer
Transnet Freight Rail	Riaan Kariem	Wayleave
Transnet		
Telkom		Wayleave Management Section
Telkom	Chris Schutte	
Telkom	Mothobi Martins	
Openserve	Vivian Groenewald	
AGRICULTURAL SECTOR		
Agri SA		
Agri Northern Cape	Henning Myburgh	General Manager
Agri Northern Cape	Dirk Krapohl	Manager: Operations and General Services
Agri Northern Cape	Wiaan van Rensburg	
Agri Northern Cape	H. de Wet	
Agri Postmasburg	Jim Bredenkamp	Chairman
Agri Postmasburg	Estie de Beer	Secretary
Tshiping Water User Association	Albertus Viljoen	CEO - Tshiping WUA
Daniëlskuil Agricultural Society	S. Weideman	
Steyn Boerdery Trust		
KLK Landbou Limited	Piet van Zyl	Daniëlskuil
KLK Landbou Limited	Ryno Rall	Postmasburg
Springvalley Agricultural Association	Johan Lambrechts	
Postmasburg/Langeberg Agricultural Union	Jan Schoeman	Chairperson
	Willie Uys	
	Johan Gous	
Papkuil Boere Vereniging	C. York	
Ghaap Landbou	A. J. Ford	
Berg Agri	B. Liebenberg	
ENERGY SECTOR		
Jasper Solar (Solar Reserve Consortium)	Terence Govender	
Lesedi Solar (Oakleaf)	Terence Govender	
Lesedi Power Project		
ENVIRONMENTAL SECTOR		
The Endangered Wildlife Trust (EWT)	Constant Hoogstad	
EWT	Dr Ian Little	
WESSA	Delana Eksteen	
WESSA	Morgan Griffiths	
WESSA	Suzanne Erasmus	
Birdlife South Africa		
Birdlife South Africa		Daniel Marnewick
Birdlife South Africa		Simon Gear
SANBI	John Dini	Director: Ecological Infrastructure
SANBI	Kristal Maze	Chief Director: Biodiversity planning and policy advice
MINING SECTOR		
Afrisam Ulco		Mine Manager
Afrisam Ulco		Environmental Manager
Sishen Mine		

Anglo-American - Kolomela Mine		
Anglo-American	Ferdi Goussard	
Anglo-American	Nadia Williams	
PPC Lime		
PPC	Mashudu Dzivhani	
Khumani Iron Ore Mine-Assmang	Lucas Tloubatla	
Beeshoek Iron Ore Mine	Monica Fick	
Petra Diamonds Mine	Anton Bezuidenhout	
Finsch Diamond Mine	Elrina Cilliers	Environmental Specialist
Finsch Diamond Mine	Jodene de Villiers	Environmental Officer
Finsch Diamond Mine	Braam Fourie	Environmental Monitor
Finsch Diamond Mine	KB Chakela	Environmental Officer
Finsch Diamond Mine	Jaco Esterhuizen	Environmental Officer
Assmang Limited - Black Rock Mine Operations	A Joubert	Chief Executive
Assmang Limited - Black Rock Mine Operations	P. Becker	Senior General Manager
Assmang Khumani Iron Ore Mine	L. Meyer	Executive Operations: Northern Cape
Assmang Khumani Iron Ore Mine	D. Selemo	Senior General Manager
Bishop Mine PMG Mining Pty Ltd	Mafhungo Maphiri	Environmental Manager
Bishop Mine PMG Mining Pty Ltd	John Ross	Mine Manager
Black Mountain Mining Operations	K. Greyling	Business Controller
Black Mountain Mining Operations	B. Mahlangu	Financial Controller
Hotazel Managanese Mines	M. Fraser	COO
Huatian SA Mining & Investment	Herbie van Rensburg	GM
Kalagadi Manganese	Daphne Mashile-Nkosi	Chairperson
Kalagadi Manganese	Thulo Malumise	Chief Executive Officer
Kalagadi Manganese	Wonder Zwane	General Mine Manager
Kolomela Mine	T Mkhwanazi	Chief Executive Officer
Kudumane Manganese	T. Gantsho	Acting Chief Executive Officer
Kudumane Manganese	Ceasor Nokwe	General Manager
Morokwa Manganese Mine	S.C. Struck	Chief Executive Officer
Petra Diamonds - Finch Mine	L. Roode	Chief Operating Officer
Sishen Iron Ore	V. Maseko	GM
Tshipi e Ntlw Manganese	F. Behnken	CEO
Timasani (PTY) LTD	Andre Johann Posthumus	Chief Executive Officer
United Manganese of Kalahari	Maphutha Adams	Commercial and Logistics Manager
Southern Ambition 1549 (PTY) Ltd	Dick Wardle	General Manager
The Overberg Wind Power	Mr. DC Ganz	
Sedibeng Iron Ore	T Koaho	
Wego Africa (PTY) Ltd	Mr. Willem	
Wego Africa (PTY) Ltd	Mr. Arie	
Good Rock Plant	Andrew Blaauw	
Wepex Trading (PTY) Ltd	Nikolas Rhodes	Project Mining Engineer
Rahida Trading	Chris Nel	
Sibilo	Meshack Peu	
Mineral Explore Mining Solutions (Pty) Ltd	Nancy Machaba	Corporate Manager
Intertek Mineral Services		
Langeberg Stone		
Coastal Concrete		
Afrimat	Mitsie Smit	
Afrimat	Pieter De Wit	CFO
Afrimat	M. Botha	Financial Manager
RESEARCH SECTOR		
Water Research Commission	Eiman Karar	
Water Research Commission	Wandile Nomqphu	Research Manager
Water Research Commission	Bonani Madikizela	Research Manager
Water Research Commission	Eberhard Braune	

DELOPMENT SECTOR		
NC Chamber of Commerce & Industry	Sharon Steyn	CEO
OTHER		
Lime Acres Animal Shelter		
Go Car Wash		

VGRWSS-II: Upgrade of Existing Scheme - Landowner Database

Olifantshoek Reservoir	Gloucester Reservoir	Clifton Reservoirs	Trewill PS	Kneukel PS	Delportshoop WTW	SD2 Tertiary Pipeline	SD2 Secondary Pipeline	SD1 Tertiary Pipeline	SD1 Secondary Pipeline	Gloucester - Olifants Pipeline	Clifton - Gloucester Pipeline	Trewill - Clifton Pipeline	Kneukel - Trewill Pipeline	Delp - Kneukel Pipeline	SG Code	Farm Name	Portion	Owner	
Affected (D = Directly / A = Adjacent)																			
															A	C0070000000021800008	FARM 218	8	OSTIPROP 1155 PTY LTD (Gert and James Faber)
															D	C0070000000021800007	FARM 218	7	SEDIBENG WATER
															D	C0070000000021800006	FARM 218	6	SEDIBENG WATER
															A	C0070000000021800005	FARM 218	5	AFRISAM PROPERTIES PTY LTD
															A	C0070000000021800004	FARM 218	4	WARD FAMILIE TRUST
															A	C0070000000021800003	FARM 218	3	AFRISAM PROPERTIES PTY LTD
															A	C0070000000021800000	FARM 218	RE	BROEKSEUR BOERDERY CC
															A	C0070000000027900000	MOZIB 279	RE	GUILFORD LTD
															D	C0070000000021700000	FARM 217	RE	BROEKSEUR BOERDERY CC
															D	C00700030000000400000	ERVEN 4		PF BOTHA
															D	C0070000000021600003	FARM 216	3	HOLCIM SOUTH AFRICA PTY LTD
															D	C0070000000021600002	FARM 216	2	Greg Weir
															A	C0070000000021600008	FARM 216	8	F de Jager
															D	C0070000000021500000	FARM 215	RE	GLEN STEYN
															D	C0070000000021500004	FARM 215	4	SEDIBENG WATER
															D	C0070000000021500008	FARM 215	8	C & S HATTINGH FAMILIE TRUST
															A	C0070000000021500007	FARM 215	7	TRANSNET
															A	C0070000000021500006	FARM 215	6	TRANSNET
															A	C0070000000021500001	FARM 215	1	TRANSNET
															A	C0070000000021400001	WELTEVREDEN 214	1	
															D	C0070000000021400002	WELTEVREDEN 214	2	TRANSNET
															D	C0070000000021300002	FARM 213	2	C & S HATTINGH FAMILIE TRUST
															A	C0070000000021300003	FARM 213	3	TRANSNET
															A	C0070000000021300004	FARM 213	4	TRANSNET
															D	C0070000000021300000	FARM 213	RE	KOOPMANSFONTEIN COMMUNAL PROP ASSOCIATION
															D	C0070000000021200001	KOOPMANSFONTEIN 212	1	KOOPMANSFONTEIN COMMUNAL PROP ASSOCIATION
															A	C0070000000021200004	KOOPMANSFONTEIN 212	4	TRANSNET
															A	C0070000000021200005	KOOPMANSFONTEIN 212	5	TRANSNET
															A	C0070000000021200007	KOOPMANSFONTEIN 212	7	KOOPMANSFONTEIN COMMUNAL PROP ASSOCIATION
															A	C0070000000021200009	KOOPMANSFONTEIN 212	9	KOOPMANSFONTEIN COMMUNAL PROP ASSOCIATION
															A	C0070000000021200010	KOOPMANSFONTEIN 212	10	GRIEKWALAND WES KORP LTD (Johannes Hendrik Coetzee)
															D	C00700000000037700000	FARM 377	RE	KOOPMANSFONTEIN COMMUNAL PROP ASSOCIATION
															A	C00700000000037800000	FARM 378	RE	KOOPMANSFONTEIN COMMUNAL PROP ASSOCIATION
															A	C00700000000021100006	FARM 211	6	KOOPMANSFONTEIN COMMUNAL PROP ASSOCIATION
															D	C0070000000021000000	FARM 210	RE	KOOS VAN DER RYST
															D	C00700000000023900000	FARM 239	RE	DIRK VAN DER MERWE FAMILIE TRUST (Diederik vd Merwe)
															D	C00700000000024000000	FARM 240	RE	AUCAMP TRUST (Johan Aucamp)
															A	C00700000000020900004	ROOIGRAVEL 209	4	DIE ROOI GRAVEL TRUST (Diederik vd Merwe)
															D	C00700000000024100000	FARM 241	0	VAN ZYL EN SUSSANA SCHOLTZ
															D	C00700000000026900000	FARM 269	RE	DIE SMITSHOOP TRUST (Diederik vd Merwe)
															D	C00700000000026700000	FARM 267	RE	Gerhard Nieuwoudt
															A	C00700000000026700002	FARM 267	2	TRANSNET
															D	C00700000000026600003	FARM 266	3	J A & B J VISSER TRUST
															A	C00700000000026600002	FARM 266	2	TRANSNET
															A	C00700000000026600001	FARM 266	1	TRANSNET
															D	C00700000000029800003	FARM 298	3	WILLEM / MAGDALENA FOURIE
															A	C00700000000029900001	FARM 299	1	TRANSNET
															A	C00700000000029900002	FARM 299	2	N/A
															D	C00700000000029900004	FARM 299	4	SEDIBENG WATER
															D	C00700000000029900006	FARM 299	6	BONA-CORD TRUST (Willem/Magda Fourie)
															D	C00700000000029900003	FARM 299	3	Hannie Du Plessis
															D	C00700000000030000004	FARM 300	4	THEUNS VERMEULEN
															A	C00700000000030000006	FARM 300	6	ESKOM
															A	C00700000000030000001	FARM 300	0	TRANSNET
															D	C03100000000045800016	CARTER BLOCK 458	16	P J KILIAN PTY LTD
															A	C03100000000045800059	CARTER BLOCK 458	59	TRANSNET
															D	C03100000000045800003	CARTER BLOCK 458	3	WILLEM CLOETE
															A	C03100000000045800007	CARTER BLOCK 458	7	RIVERWALK TRADING 303 CC
															D	C03100000000045800008	CARTER BLOCK 458	8	SILVERSTREAMS TRUST (Johan Faist)
															A	C03100000000045800058	CARTER BLOCK 458	58	TRANSNET
															A	C03100000000045800057	CARTER BLOCK 458	57	TRANSNET
															A	C03100000000045800066	CARTER BLOCK 458	66	TRANSNET

Olifantshoek Reservoir	Gloucester Reservoir	Clifton Reservoirs	Trewill PS	Kneukei PS	Deiporshoop WTW	SD2 Tertiary Pipeline	SD2 Secondary Pipeline	SD1 Tertiary Pipeline	SD1 Secondary Pipeline	Gloucester - Olifants Pipeline	Clifton - Gloucester Pipeline	Trewill - Clifton Pipeline	Kneukei - Trewill Pipeline	Deip - Kneukei Pipeline	SG Code	Farm Name	Portion	Owner																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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Affected (D = Directly / A = Adjacent)																															A			C0310000000045800067	CARTER BLOCK 458	67	TRANSNET													A			C0310000000045800068	CARTER BLOCK 458	68	TRANSNET													A			C0310000000045800069	CARTER BLOCK 458	69	TRANSNET													A			C0310000000045800070	CARTER BLOCK 458	70	TRANSNET													A			C0310000000045800009	CARTER BLOCK 458	9	TRANSNET													A			C0310000000045800010	CARTER BLOCK 458	10	TRANSNET													A			C0310000000045800028	CARTER BLOCK 458	28	P P C LIME LTD													D			C0310000000045800011	CARTER BLOCK 458	11	P P C LIME LTD													A			C0310000000045800055	CARTER BLOCK 458	55	TRANSNET													D			C0310000000045800054	CARTER BLOCK 458	54	TRANSNET													A			C0310000000045800052	CARTER BLOCK 458	52	TRANSNET													D			C0310000000045800001	CARTER BLOCK 458	1	P P C LIME LTD													A			C0310000000045800053	CARTER BLOCK 458	53	TRANSNET													A			C0310000000045800005	CARTER BLOCK 458	5	P P C LIME LTD													D			C0310000000045800002	CARTER BLOCK 458	2	P P C LIME LTD													D			C0310000000045800004	CARTER BLOCK 458	4	P P C LIME LTD													A			C0310000000045800052	CARTER BLOCK 458	52	TRANSNET													A			C0310000000045800051	CARTER BLOCK 458	51	DE BEERS CONSOLIDATED MINES LTD													A			C0310000000045800037	CARTER BLOCK 458	37	DE BEERS CONSOLIDATED MINES LTD													D			C0310000000045800035	CARTER BLOCK 458	35	DE BEERS CONSOLIDATED MINES LTD													A			C0310000000045800059	CARTER BLOCK 458	59	DE BEERS CONSOLIDATED MINES LTD													A			C0310000000045800060	CARTER BLOCK 458	60	DE BEERS CONSOLIDATED MINES LTD													D			C0310000000046700004	KAAB PLATEAU 467	4	TRANSNET													D			C0310000000046700003	KAAB PLATEAU 467	3	SEBIBENG WATER													D	D		C0310000000046700000	KAAB PLATEAU 467	RE	JOVICUBE (CHRISTIAAN STRAUSS)													D			C0310000000046800000	FARM 468	RE	Sebusi Boerdery (Tami and Mpho Sebusi)													D			C0310000000046800004	FARM 468	4	TRANSNET													A			C0310000000046800002	FARM 468	2	TRANSNET													A			C0310000000046800003	FARM 468	3	TRANSNET													D			C0310000000046900001	FARM 469	1	ANDRIES DE KLERK													A			C0310000000046900003	FARM 469	3	TRANSNET													D			C0310000000046900000	FARM 469	RE	JOHANNA / ALLEN SCHOLTS													A			C0310000000046900002	FARM 469	2	TRANSNET													D			C0310000000045300000	GROENWATER 453	RE	GROENWATER CPA (Obakeng Kgoranyane)													A			C0310000000045300008	GROENWATER 453	8	TRANSNET													D			C0310000000045300004	GROENWATER 453	4	GROENWATER CPA													A			C0310000000045300013	GROENWATER 453	13	GROENWATER CPA													A			C0310000000045300005	GROENWATER 453	5	GROENWATER CPA													D			C0310000000047100002	FARM 471	2	GOUS BOERDERY (Johan Gous)													D			C0310000000047200001	FARM 472	1	OCO PROPERTIES CC													D			C0310000000047200004	FARM 472	4														D			C0310000000047200003	FARM 472	3	OCO PROPERTIES CC													A			C0310000000047200005	FARM 472	5	OCO PROPERTIES CC													D			C0310000000047200000	FARM 472	RE	OCO PROPERTIES CC													A			C0310000000047200002	FARM 472	2	JAN CHRISTOFFEL LABUSCHAGNE													D			C0310000000047300001	ROOIPOORT 473	1	WILLY BREDEKAMP TRUST (Ben & Sophia Bredenkamp)													D			C0310000000047300002	ROOIPOORT 473	2	WILLY BREDEKAMP TRUST (Ben & Sophia Bredenkamp)													D			C0310000000049200000	FARM 492	RE	GOUS IZAK STEPHANUS													D			C0310003000000100000	ERVEN 1	RE/1	TSANTSABANE MUNISIPALITEIT													D			C0310003000001840000	ERVEN 184		KLOPPERS (ANNE-RINA)													D			C0310003000001400000	ERVEN 14	RE/14	State Land													A			C03100030000133100000	ERVEN 1331	RE	VISSER JOSEPHINE													D			C0310003000001100000	ERVEN 11	RE/11	LANGBERG ABATTOIR CC (Louis Pieterse)													D			C0310003000001200000	ERVEN 12		TSANTSABANE MUNISIPALITEIT													D			C031000300000375400000	ERVEN 3754		TSANTSABANE PROPERTY DEVELOPMENT (Andries Scholtz)													D			C03100030000358500000	ERVEN 3585		TSANTSABANE MUNISIPALITEIT													D			C03100030000359700000	ERVEN 3597		TRANSNET													D			C0310000000044900012	PENS FONTEIN 449	12	TSANTSABANE MUNICIPALITY													D			C0310000000044900002	PENS FONTEIN 449	2	RAHIDA INV PTY LTD (Borris Bannai)													D			C0310000000045000001	FARM 450	1	KAREEPAN TRUST													D			C0310000000045000000	FARM 450	RE	KAREEPAN TRUST													D			C0310000000044500002	FARM 445	2	MAREMANE CPA (PG MOTLABHEDI)													D			C0310000000044500001	FARM 445	1	MAREMANE CPA													D			C0310000000044500000	FARM 445	RE	MAREMANE CPA													D			C0310000000043600002	KAPSTEWEL 436	2	MAREMANE CPA													D			C0310000000043600009	KAPSTEWEL 436	9	TRANSNET																			
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Olifantshoek Reservoir	Gloucester Reservoir	Clifton Reservoirs	Trewill PS	Kneukei PS	Deiporshtroop WTW	SD2 Tertiary Pipeline	SD2 Secondary Pipeline	SD1 Tertiary Pipeline	SD1 Secondary Pipeline	Gloucester - Olifants Pipeline	Clifton - Gloucester Pipeline	Trewill - Clifton Pipeline	Kneukei - Trewill Pipeline	Deip - Kneukei Pipeline	SG Code	Farm Name	Portion	Owner
Affected (D = Directly / A = Adjacent)																		
															C0310000000043600004	KAPSTEWEL 436	4	Nicolas Louber (Golden Falls Properties (Pty) Ltd.) / Willem Fourie
															C0310000000043500000	DRIEHOEKS PAN 435	RE	MAREMANE CPA
	A														C0410000000067400008	GLOUCESTER 674	8	MAREMANE CPA
	D														C0410000000067400003	GLOUCESTER 674	3	SEDIBENG WATER
															C0410000000067300000	LOHATLHA 673	RE	MAREMANE CPA
															C0410000000067300004	LOHATLHA 673	4	TRANSNET
															C0410000000067300001	LOHATLHA 673	1	MAREMANE CPA
															C0410000000067200003	MOROKWA 672	3	AF STEYN TESTAMENTER TRUST
															C0410000000067100000	BISHOP 671	RE	PMG MINING PTY LTD (Mafhungo Maphiri)
										A					C0410000000067100001	BISHOP 671	1	RAUBEX PTY LTD (Chemaly Grace)
										D					C0410000000055900001	MACARTHY 559	1	Leon Marius Venter
										D					C0410000000055900004	MACARTHY 559	4	Leon Marius Venter
										D					C0410000000055900005	MACARTHY 559	5	Hendrik Johan Swanepoel
										D					C0410000000055900002	MACARTHY 559	2	Hendrik Johan Swanepoel
										D					C0410000000055900003	MACARTHY 559	3	Coenraad Hendrik Kotze
										D					C0410000000056200000	JENKINS 562	RE	COZA Mining - Sarel Venter
										D					C0410000000056200003	JENKINS 562	3	Leon Venter
										D					C0410000000056200001	JENKINS 562	1	SISHEN IRON ORE COMPANY PTY LTD
										D					C0410000000056200000	JENKINS 562	RE	COZA Mining - Sarel Venter
										D					C0410000000056300000	ROSCOE 563	RE	ERICH OLIVIER TRUST (Helene Olivier)
										D					C0410000000056300003	ROSCOE 563	3	N/A
										D					C0410000000056300001	ROSCOE 563	1	TRANSNET
										D					C0410000000056600001	SMYTHE 566	1	FILADELFA TRUST
										A					C0410000000056600002	SMYTHE 566	2	
										D					C0410000000057000000	MURRAY 570	RE	MURRAY BOERDERY CC (Riaan en Tops van der Linde)
										A					C0410000000057000006	MURRAY 570	6	SANRAL
										D					C0410000000057000002	MURRAY 570	2	Dirk & Eureka Croucamp (The Ranch)
										A					C0410000000057000005	MURRAY 570	5	
										A					C0410000000057000004	MURRAY 570	4	
										D					C0410000000057000001	MURRAY 570	1	Ollie Smith
										D					C0410000000057100000	COX 571	RE	Ollie Smith
										A					C0410000000057100005	COX 571	5	
										D					C0410000000057100003	COX 571	3	JAFRATA CC (David Francois Malan - Langeberg Stene)
										A					C0410000000057100001	COX 571	1	Andrew Christian Olivier
										A					C0410000000057100004	COX 571	4	SANRAL
										D					C0410000000057300000	HARTLEY 573	RE	WIESE BOERDERY LTD (Franscois Swart)
										D					C0410000000076600000	NEYLAN 766	RE	COENEL EIENDOMME CC (Martin Coetzee)
										A					C0410000000076600003	NEYLAN 766	3	SANRAL
										A					C0410000000076600007	NEYLAN 766	7	N/A
										D					C0410000000076600004	NEYLAN 766	4	Vergelegen Trust (Lawrence Steyn)
										A					C0410000000076600002	NEYLAN 766	2	Marius van Zyl
										A					C0410000000076500000	DIERGAART S HEUWEL 765	0	N/A
D										D					C04100040000015500000	ERVEN 155	RE/155	Olifantshoek Municipality
										A					C04100040000032200000	ERVEN 322		Stephanus Marais
										A					C04100040000032300000	ERVEN 323		Maria Saayman
										A					C04100040000032400000	ERVEN 324		Stephanus Fouche
										A					C04100040000032500000	ERVEN 325		Coenraad Kotze
										A					C04100040000054200000	ERVEN 542		Adele Beytell
										A					C04100040000077100000	ERVEN 771		Magrietha Pieterse
										A					C04100040000195200000	ERVEN 1952		Henri Barnard
										A					C04100040000078400000	ERVEN 784		Ian Phillipson
										A					C04100040000033800000	ERVEN 338		Letita Roelofse
										A					C04100040000045300000	ERVEN 453		Wynand van Wyk
										A					C04100040000037300000	ERVEN 373		DIMITRIOS DEVETZIS
										A					C04100040000037200000	ERVEN 372		Catharina Maritz
										A					C04100040000037100000	ERVEN 371		Johannes Schreuder
										A					C04100040000196300000	ERVEN 1963	RE	LEZMIN 3291 CC
										A					C04100040000274000000	ERVEN 274		TSANTSABANE MUNICIPALITY
										A					C04100040000036800000	ERVEN 368		Bernardus Saayman
										A					C04100040000164000000	ERVEN 164		Marisca van Eeden
										A					C04100040000036500000	ERVEN 365		Catharina Maritz
										A					C04100040000036400000	ERVEN 364		Magrietha Cloete
										A					C04100040000036300000	ERVEN 363		Magrietha Cloete
										A					C04100040000036200000	ERVEN 362		HENTIQ 2161 PTY LTD (Louise Pieterse)
										D					C04100040000036100000	ERVEN 361		Hermanus Schyff
										D					C04100040000053300000	ERVEN 533		Willem Smith
										A					C04100040000163700000	ERVEN 1637		JOZUA DE LA HARPE
										D					C04100040000015400000	ERVEN 154		Olifantshoek Municipality (Cemetery)
										D					C04100040000041400000	ERVEN 414		Olifantshoek Community Health Centre

Olifantshoek Reservoir	Gloucester Reservoir	Clifton Reservoirs	Trewill PS	Kneukei PS	Dejportshoop WTW	SD2 Tertiary Pipeline	SD2 Secondary Pipeline	SD1 Tertiary Pipeline	SD1 Secondary Pipeline	Gloucester - Olifants Pipeline	Clifton - Gloucester Pipeline	Trewill - Clifton Pipeline	Kneukei - Trewill Pipeline	Dej - Kneukei Pipeline	SG Code	Farm Name	Portion	Owner
Affected (D = Directly / A = Adjacent)																		
										A					C04100040000028600000	ERVEN 286		Raymond Barnard
										A					C04100040000029300000	ERVEN 293		Elizabeth Nel
										A					C04100040000029200000	ERVEN 292		Willem Myburgh
										A					C04100040000029100000	ERVEN 291		Hester Stans
										A					C04100040000077800000	ERVEN 778		Annelize van der Merwe / J van Rooyen
										A					C04100040000047900000	ERVEN 479		MUNISIPALITEIT OLIFANTSHOEK

VGRWSS-II: Upgrade of Existing Scheme - Registered IAPs

Name	Organisation
Botha, PF	
Doman	
Kopmasfontein CPA	
Van der Ryst	
Help My Voort Boerdery	
Kloppers	
Four Rivers Trading 3	
Cilliers, AB	
Fourie	
Annelize Strauss	
Morokwa Manganese Mine	
Andrè Posthumus	Ntsu Trading
Mafhungo Maphiri	PMG Mining
Mitsie Smit	Afrimat
Constantia Safaris	
Moses Moalahi	
Devine Rooi	Khathu gazette
Dirk Coetzee	Assmang Proprietary Ltd
Durelle Carstens	Assmang Proprietary Ltd
Edwin Austin	Finsch Diamond Mine
Hannes Slabbert	Private
Francois De Jager	Private
D J Shaw	Panplaas Boerdery
B. Liebenberg	Liebenberg Boerdery
Dawid van der Esthuizen	Ehoell
Donovan Andreas	SE Gamagara Unemployed Forum
	Gamagara Unemployment Youth Movement President
Sheperd Mines	
Edwin Selao	Com member
J. Mutchihle	Gamagara- MUM
M. K Orpen	Councillor
Boitumelo Lekgadi	Councillor
Anna Morwe	Councillor
Hennie Vlok	Private
Willem Britz	Private
Albertus Viljoen	Tshiping WUA
D. Koorzen	Farmer
M. J Koorzen	Farmer
A. Joost	Farmer
J. Oosthuzein	Farmer
L. van der Merwe	Farmer
Johan Viljoen	Soetfontein
Chris Claassens	Farmer
Theo Coetzee	Farmer
Deidre Gibson	Farmer
P.W. Ross	Farmer
J. Jacobs	Farmer
William Jarvis	Jenn Haven Steering Com
Micaela Cloete	Jenn Haven Steering Com
J.J Lambrechts	Landowner
P. J. de Bruin	
P. J. M. Nill	
Jim Bredenkamp	Agri Postmasburg
Isak Cloete	Jenn Haven
Johan Booyens	Match Cast
Lorry Ruffini	Rufco Const
Danel Marks	Farmer
Amanda van der Merwe	Farmer
D. Kotze	Farmer
Bernie Bredenkamp	Farmer
E. H. de Bruin	
Suati Yuan	AMG
Willem Trourier	AMG
Coenraad Kotze	Floradale Boerdery

Johan Kotze	Floradale Boerdery
Maleshane Dube	Tsantsabane Municipality
Hannes De Wet	Agri NK
Henning Myburgh	Agri NK
Johan van Zyl	Kameelfontein
Lukas Kotze	Jay Kay Boerdery
Con Schoombie	PPC Lime
Anton Bezuidenhout	Petra
Leon De Lange	Petra
Gerda Fourie	Private
Francois Maritz	Private
PC Steenkamp	Private
Joe Bezuidenhout	Private
C. York	Papkuil Boerevereniging
Mashudu Dzivhani	PPC Lime
B. Markram	Papkuil Boerevereniging
PC Steenkamp (Snr)	Private
Arie Hollenbach	Private
Coenraad Kotze	Private
J. W. Ross	Nooitgedacht
Izak J. M. van Niekerk	
V. P. Hugo	PPC
Mothobi Martins	Mvelaphande Trading
Chris Schutte	Mvelaphande Trading
P. J. Kilian	Grootpan Farm
Marc Brasler	ARM Ferrous
Danie Lourens	
Elvis Mabasa	
Tshepo Molai	
Ditshegofatso Milanzi	
Cobus Terblanche	
Johan Jones	
Joe Schoeman	
Reggie Magobeledo	
Dieter Storbeck	Bigen Africa
Divan Van Der Merwe	EXM
Lynné Viljoen	EXM
Keneuwe Mabe	Transnet: Property Technician
Celeste van Niekerk / Johan Botma	Broekskeur Boerdery
Pieter Francois Botha	
Jean Botha	
Piet Doman	
Dick Doman	
Alwene Ford	
Gert Faber	
Francois De Jager	
Kenny Shaw	Berg Agric Chairman
A. J. Ford	Ghaap Landbou Chairman
Hannes De Wet	Agri NK Watersake
Francis Scheper	Business Community
George Damoense	Business Community
Willem Britz	
Hennie Vlok	
Nico De Ath	
CC Claassens	
Ferdi Goussard	Anglo-American
Bennie Bredenkamp	
Roux	
Dierdre Gibson	
Charl Viljoen	
Johan Gous	Springvalley
J. Jooste	
Johan Van Zyl	
Dirkie Burger	
JJ Lambrechts	
Mafhungo Maphiri	PMG Mining
Johan Viljoen	Soetfontein
Izak Gous	Grootfontein
Mimi Swart	Belastingbetalers Vereniging/Raadslid

Delecia Phete	PMG Mining
Willie Uys	Lomoteng
Emmanuel Mphatoe	Gamagara LM
Majuba Selao	Water Forum
Victor Mulangisi	Kathu Gazette
Jan Joubert	