

APPENDIX G

PUBLIC PARTICIPATION – SECOND REVIEW OF DRAFT BAR

APPENDIX G1: PROOF OF WRITTEN NOTIFICATION

APPENDIX G2: PROOF OF DELIVERIES OF REPORTS

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APPENDIX G1

PROOF OF WRITTEN NOTIFICATION

EMAIL NOTIFICATION TO AUTHORITIES




Wed 04/12/2019 03:29 PM

Donovan Henning

10689-VGRWSS-II: Upgrading of Existing Scheme (14/12/16/3/3/1/2062) - DEFF Notification of 2nd Round of Review of Draft

To: 'BMtyana@environment.gov.za'

Cc: Christian Van Der Hoven

 You forwarded this message on 04/12/2019 03:28 PM.

Good afternoon Bongeka

This serves as notification of the second round of 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**.

The Draft Basic Assessment Report for the upgrading of the existing VGRWSS was initially lodged for public review from 27 August until 30 September 2019. During the review period, the Department of Environment, Forestry and Fisheries (DEFF) requested that certain specialist studies be peer reviewed. With the updating of these peer-reviewed specialist studies, the Draft Basic Assessment Report needs to be lodged for a second round of public review. Please note that the review period is from **05 December 2019 until 27 January 2020**.

As the DEFF Case Officer for the VGRWSS-II: Upgrade of the Existing Scheme, one hard copy and one electronic copy (in the form of a USB) of the Draft BAR and associated appendices, inclusive of the peer reviewed studies, were delivered to DEFF, for your attention today.

It is noted that Nema Consulting submitted a letter to DEFF on 8 November 2019 indicating that the Final BAR will be submitted to the Department within 140 days of receipt of the application by DEFF, in accordance with Regulation 19(1)(b) of the EIA Regulations of 2014, as amended. This period makes provision for the second round of review of the Draft BAR.

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

Regards
Donovan Henning

Nemai Consulting

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Wed 04/12/2019 03:46 PM

Donovan Henning

10689-VGRWSS-II: Upgrading of Existing Scheme - Notice of 2nd Round of Review of Draft BAR

To

Bcc: 'AbrahamsA@dws.gov.; 'VanDykG@dws.gov.; 'MsimangoP@dws.gov.; 'Baloyil2@dws.gov.; 'KgaraneK@dws.gov.; 'masindit@dws.gov.; 'MoalosiK2@dws.gov.; 'pieter.swart@dmr.gov.; 'Johannes.Nematatani@dmr.gov.; 'Ntsunderi.Ravhugoni@dmr.gov.; 'Johannes.Nematatani@dmr.gov.; 'Tkalani.Khorombi@dmr.gov.; 'Patricia.Makhuvele@dmr.gov.; 'Vincent.mula@dmr.gov.; 'Abrams@daff.gov.; 'jacolinema@daff.gov.; 'mashuduma@daff.gov.; 'jabu.smit@gmail.com.; 'Kgotso.Moeketsi@drdlr.gov.; 'kpegakliwe@ncpg.gov.; 'ntoerien1@gmail.com.; 'ngoltz@ncpg.gov.; 'tebogo.moleleki@drdlr.gov.; 'rthomothy@nbkb.org.; 'cfortune@museumsnc.co.; 'dmorris@museumsnc.co.; 'katte@museumsnc.co.; 'Itshilata@ncpg.gov.; 'mbooyesen@ncpg.gov.; 'msthole@ncpg.gov.; 'K'Nogwill@ncpg.gov.; 'jeanne@joatutilities.co.; 'kkeyser@vodamail.co.; 'dstander@ncpg.gov.; 'Zlangeveldt@ncpg.gov.; 'cynthiajoseph@ncpg.gov.; 'mbulelo.duba@fbdm.co.; 'masego.mosala@fbdm.co.; 'fatima.ruiters@fbdm.co.; 'lesego.ngwira@fbdm.co.; 'karin.rheeder@fbdm.co.; 'thapelo.plaatjie@fbdm.co.; 'bulelwa.skwet@fbdm.co.; 'freddy.netshvhodza@fbdm.co.; 'Kenneth.lucas@fbdm.co.; 'odirleaugust@gmail.com.; 'registry@dikgatong.co.; 'mayor.secretary@dikgatong.co.; 'cswarts71@gmail.com.; 'jroos05@gmail.com.; 'psdmphocombink@gmail.com.; 'gil@zfm-dm.gov.; 'gil@vodamail.co.; 'admin@zfm-dm.gov.; 'anp@zfm-dm.gov.'

Message 10689-20190826-Comment Sheet.pdf 10689-20190826-Kommentaarblad.pdf

**NOTICE OF SECOND ROUND OF REVIEW OF DRAFT BASIC ASSESSMENT REPORT
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**.

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).

SECOND ROUND OF REVIEW OF DRAFT BASIC ASSESSMENT REPORT:

The Draft Basic Assessment Report for the **upgrading of the existing VGRWSS** was initially lodged for public review from 27 August until 30 September 2019. During the review period, DEFF requested that certain specialist studies be peer reviewed. With the updating of these peer-reviewed specialist studies, the Draft Basic Assessment Report needs to be lodged for a second round of public review, which will take place from **05 December 2019 until 27 January 2020**.

**KENNISGEWING AANGAANDE DIE TWEDE RONDE VAN HERSIENING VAN DIE
VOORLOPIGE BASIESE BEPALINGSVERSLAG**

**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 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**.

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 Bepalingsproses by die Departement van Omgewing, Bosbou en Visserye (hierna *DEFF*), ingevolge Staatskennisgewing Nr. R. 982 van 4 Desember 2014 (soos gewysig); en
- 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).

TWEDE RONDE VAN HERSIENING VAN VOORLOPIGE BASIESE BEPALINGSVERSLAG:

Die voorlopige Basiese Bepalingsverslag vir die **opgradering van die bestaande VGRWSS** was oorspronklik vir openbare besigtiging beskikbaar gestel vanaf 27 Augustus tot 30 September 2019. DEFF het tydens die openbare besigtigingsperiode versoek dat sekere spesialisstudies aan portuur-beoordeling blootgestel moet word. Met die opdatering van die spesifieke studies is dit nodig dat die voorlopige Basiese Bepalingsverslag weer beskikbaar gestel moet word vir openbare besigtiging, wat vanaf **05 Desember 2019 tot 27**



Wed 04/12/2019 03:46 PM

Donovan Henning

10689-VGRWSS-II: Upgrading of Existing Scheme - Notice of 2nd Round of Review of Draft BAR

To

Bcc 'mm@kgatelopele.gov.za'; 'techmanager@kgatelopele.gov.za'; 'mayorsec@kgatelopele.gov.za'; 'snr.cdc@kgatelopele.gov.za'; 'ngesigeorge7@gmail.com'; 'Kdmward2dir@kgatelopele.gov.za'; 'ladyloper@kgatelopele.gov.za'; 'IW2939029@gmail.com'; 'townplanner@kgatelopele.gov.za'; 'mm@tsantsabane.gov.za'; 'mmsec@tsantsabane.gov.za'; 'gaonyadiwemathobela@gmail.com'; 'projects@tsantsabane.gov.za'; 'bothabik@gmail.com'; 'rodneykasper7@gmail.com'; 'tintswalo.mabobo@gmail.com'; 'Majiedtjp@gmail.com'; 'estellepot@gmail.com'; 'lebopira734@gmail.com'; 'mphomashila80@gmail.com'; 'tebogosalus3@gmail.com'; 'maleshane.motse@gmail.com'; 'snrprotech@tsantsabane.gov.za'; 'protech@tsantsabane.gov.za'; 'vusumziwebare@gmail.com'; 'dmolaole@gmail.com'; 'thembitongwane@gmail.com'; 'mmsec@taologaetsewe.gov.za'; 'mmolusi@taologaetsewe.gov.za'; 'ktese@taologaetsewe.gov.za'; 'protea@gamagara.co.za'; 'ositang@gamagara.co.za'; 'hendryh@gamagara.co.za'; 'felciag@gamagara.co.za'; 'olifantg@gamagara.co.za'; 'Kannemeyer@gamagara.co.za'; 'modise@gamagara.co.za'; 'orpen@gamagara.co.za'; 'orpenmonica@gmail.com'; 'lekgadib@gamagara.co.za'; 'magaganen@gamagara.co.za'

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NOTICE OF SECOND ROUND OF REVIEW OF DRAFT BASIC ASSESSMENT REPORT PROPOSED VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME PHASE 2: UPGRADING OF THE EXISTING SCHEME

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Wed 04/12/2019 03:45 PM

Donovan Henning

10689-VGRWSS-II: Upgrading of Existing Scheme - Notice of 2nd Round of Review of Draft BAR

To

Bcc 'msolomons@environment.gov.za'; 'sdlomo@environment.gov.za'; 'frimett@environment.gov.za'; 'StanleyT@environment.gov.za'; 'slekota@environment.gov.za'; 'MLitsoane@environment.gov.za'; 'Bngcolso@environment.gov.za'; 'BMyana@environment.gov.za'; 'AckermanP@dwa.gov.za'; 'dmoleko@ncpg.gov.za'; 'svandamme@sahra.org.za'; 'mleslie@sahra.org.za'; 'phine@sahra.org.za'; 'nhiggitt@sahra.org.za'; 'AbrahamN@nra.co.za'; 'Dyress@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@sacdi.org.za'; 'page.boikanyo@labour.gov.za'; 'gay.khaile@labour.gov.za'; 'wisa@wisa.org.za'; 'ERMohobei@dla.gov.za'; 'leroy@cogta.gov.za'; 'Sogunronbi@ruraldevelopment.gov.za'; 'dini@sanbi.org.za'; 'U.Bahadur@sanbi.org.za'; 'pauld@sanparks.org.za'; 'sebotsem@samef.org.za'; 'niesufi@bullion.org.za'; 'vmoraka@salga.org.za'; 'lchauke@salga.org.za'; 'bfisher@ncpg.gov.za'; 'Twessels@ncpg.gov.za'; 'dmoleko@ncpg.gov.za'; 'kgosimoleko@gmail.com'; 'dineokgosi@gmail.com'; 'Dkgosi@ncpg.gov.za'; 'Tmthombeni@ncpg.gov.za'; 'ORiba@ncpg.gov.za'; 'oriba.denc@gmail.com'; 'lgwija@ncpg.gov.za'; 'mr.gwija@gmail.com'; 'nmokonopi@ncpg.gov.za'; 'mokonopin@gmail.com'

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NOTICE OF SECOND ROUND OF REVIEW OF DRAFT BASIC ASSESSMENT REPORT

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

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- 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 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 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 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.

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 Bepalingsproses by die Departement van Omgewing, Bosbou en Visserye (hierna DEFF), ingevolge Staatskennisgewing Nr. R. 982 van 4 Desember 2014 (soos gewysig); en
- 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).

TWEDE RONDE VAN HERSIENING VAN VOORLOPIGE BASIESE BEPALINGSVERSLAG:

Die voorlopige Basiese Bepalingsverslag vir die opgradering van die bestaande VGRWSS was oorspronklik vir openbare besigtiging beskikbaar gestel vanaf 27 Augustus tot 30 September 2019. DEFF het tydens die openbare besigtigingsperiode versoek dat sekere spesialisstudies aan portuur-beoordeling blootgestel moet word. Met die opdatering van die spesifieke studies is dit nodig dat die voorlopige Basiese Bepalingsverslag weer beskikbaar gestel moet word vir openbare besigtiging, wat vanaf 05 Desember 2019 tot 27 Januarie 2020.

EMAIL TO GENERAL STAKEHOLDERS



Wed 04/12/2019 03:50 PM

Donavan Henning

10689-VGRWSS-II: Upgrading of Existing Scheme - Notice of 2nd Round of Review of Draft BAR

To

Bcc 'Terence.Govender@solarreserve.com'; 'constanth@ewt.org.za'; 'Tarl@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'; 'advocacy@birdlife.org.za'; 'J.Dini@sanbi.org.za'; 'K.Maze@sanbi.org.za'; 'ferdi.goussard@angloamerican.com'; 'nadia.williams@angloamerican.com'; 'Mashudu.Dzvhani@ppc.co.za'; 'Lucas.Tlobatla@assmang.co.za'; 'monica.fick@angloamerican.com'; 'anton.bezudenhout@petradiamonds.com'; 'Elrina.Cilliers@petradiamonds.com'; 'Jodene.deVilliers@petradiamonds.com'; 'Bram.Fourie@petradiamonds.com'; 'KB.Chakela@petradiamonds.com'; 'Jaco.Esterhuizen@petradiamonds.com'; 'andre.joubert@arm.co.za'; 'piereb@bmo.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'; 'jr@pmgmining.co.za'; 'kgreyling@vedantaresources.co.za'

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NOTICE OF SECOND ROUND OF REVIEW OF DRAFT BASIC ASSESSMENT REPORT

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.

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).

SECOND ROUND OF REVIEW OF DRAFT BASIC ASSESSMENT REPORT:

The Draft Basic Assessment Report for the upgrading of the existing VGRWSS was initially lodged for public review from 27 August until 30 September 2019. During the review period, DEFF requested that certain specialist studies be peer reviewed. With the updating of these

KENNISGEWING AANGAANDE DIE TWEDE RONDE VAN HERSIENING VAN DIE VOORLOPIGE BASIESE BEPALINGSVERSLAG

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 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;
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- Meganiese en elektriese opgradering van die pompstasies by Delpoortshoop, Kneukel en Trewill; en
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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 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 Bepalingsproses by die Departement van Omgewing, Bosbou en Visserie (hierna DEFF), ingevolge Staatskennisgewing Nr. R. 982 van 4 Desember 2014 (soos gewysig); en
- 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).

TWEDE RONDE VAN HERSIENING VAN VOORLOPIGE BASIESE BEPALINGSVERSLAG:

Die voorlopige Basiese Bepalingsverslag vir die opgradering van die bestaande VGRWSS was oorspronklik vir openbare besigtiging beskikbaar gestel vanaf 27 Augustus tot 30 September 2019. DEFF het tydens die openbare besigtigingsperiode versoek dat sekere spesialisstudies aan portuur-beoordeling blootgestel moet word. Met die opdatring van die spesifieke studies is dit nodig dat die



Wed 04/12/2019 03:49 PM

Donovan Henning

10689-VGRWSS-II: Upgrading of Existing Scheme - Notice of 2nd Round of Review of Draft BAR

To

Bcc 'john.geeringh@eskom.co.za'; 'geeringh@eskom.co.za'; 'wyrngajjo@eskom.co.za'; 'joubermo@eskom.co.za'; 'StuurmKV@eskom.co.za'; 'NongauN@eskom.co.za'; 'Mzoxolo.Nzoku@Transnet.net'; 'Francis.Rahlapane@transnet.net'; 'asavela.zenani@transnet.net'; 'zenani.asavela@transnet.net'; 'Riaan.Karriem@transnet.net'; 'wayleac@telkom.co.za'; 'SchutCE5@telkom.co.za'; 'MeritMC2@telkom.co.za'; 'VivianG@openserve.co.za'; 'agrisa@agrisa.co.za'; 'henning@agrinc.co.za'; 'rpo@agrinc.co.za'; 'wiaanvr1@gmail.com'; 'telporttb@vodamail.co.za'; 'jim@jimbo.co.za'; 'agripostmasburg@gmail.com'; 'info@tshping.co.za'; 'sarel@wsinet.co.za'; 'tersias@petradiamonds.com'; 'danielskui@kkk.co.za'; 'admin@kkk.co.za'; 'postmasburg@kkk.co.za'; 'lampies55@gmail.com'; 'janman@myjn.co.za'; 'willie.uys56@gmail.com'; 'jhgous2@gmail.com'; 'ckyorik@vodamail.co.za'; 'fordfarming@nashuisp.co.za'; 'karolodrift.bl@gmail.com'

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NOTICE OF SECOND ROUND OF REVIEW OF DRAFT BASIC ASSESSMENT REPORT

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

Notice is hereby given in terms of the following:

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PROJECT OVERVIEW:

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- 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 Danielskui area, and SD2 in the Postmasburg area; and
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ENVIRONMENTAL ASSESSMENTS - UPGRADING OF THE EXISTING VGRWSS:

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SECOND ROUND OF REVIEW OF DRAFT BASIC ASSESSMENT REPORT:

The Draft Basic Assessment Report for the upgrading of the existing VGRWSS was initially lodged for public review from 27 August until 30 September 2019. During the review period, DEFF requested that certain specialist studies be peer reviewed. With the updating of these

KENNISGEWING AANGAANDE DIE TWEDE RONDE VAN HERSIENING VAN DIE VOORLOPIGE BASIESE BEPALINGSVERSLAG

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

Hierdie kennisgewing word gegee kragtens die volgende:

- Die Ongewingsimpakbepalingsregulasies 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 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 waterbehoefte te voorsien nie, en om die toenemende onderbrekings in watervoorsiening te hanteer nie. Die infrastruktuur bereik ook die einde van sy bruikbare lewensduur.

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OMGEWINGSBEPALINGS - OPGRADERING VAN DIE BESTAANDE VGRWSS:

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TWEDE RONDE VAN HERSIENING VAN VOORLOPIGE BASIESE BEPALINGSVERSLAG:

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Wed 04/12/2019 03:49 PM

Donovan Henning

10689-VGRWSS-II: Upgrading of Existing Scheme - Notice of 2nd Round of Review of Draft BAR

To

Bcc 'john.geeringh@eskom.co.za'; 'geeringh@eskom.co.za'; 'wyngaajo@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'; 'MartimC2@telkom.co.za'; 'VivianG@openserve.co.za'; 'agrisa@agrisa.co.za'; 'henning@agrink.co.za'; 'tpo@agrink.co.za'; 'wiaanvr1@gmail.com'; 'telpoortb@vodamail.co.za'; 'jim@jimbos.co.za'; 'agripostmasburg@gmail.com'; 'info@tshping.co.za'; 'sarel@wsnet.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'; 'ckwork@vodamail.co.za'; 'fordfarming@nashuaisp.co.za'; 'karolisdraft.bl@gmail.com'

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NOTICE OF SECOND ROUND OF REVIEW OF DRAFT BASIC ASSESSMENT REPORT
PROPOSED VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME PHASE 2:
UPGRADING OF THE EXISTING SCHEME

Notice is hereby given in terms of the following:

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PROJECT OVERVIEW:

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SECOND ROUND OF REVIEW OF DRAFT BASIC ASSESSMENT REPORT:

The Draft Basic Assessment Report for the upgrading of the existing VGRWSS was initially lodged for public review from 27 August until 30 September 2019. During the review period, DEFF requested that certain specialist studies be peer reviewed. With the updating of these peer reviewed specialist studies, the Draft Basic Assessment Report needs to be lodged for a second round of public review, which will

KENNISGEWING AANGAANDE DIE TWEDE RONDE VAN HERSIENING VAN DIE VOORLOPIGE BASIESE BEPALINGSVERSLAG

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
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PROJEKOORSIG:

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- 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.

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 Bepalingsproses by die Departement van Omgewing, Bosbou en Visserie (hierna DEFF), ingevolge Staatskennisgewing Nr. R. 982 van 4 Desember 2014 (soos gewysig); en
- 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).

TWEDE RONDE VAN HERSIENING VAN VOORLOPIGE BASIESE BEPALINGSVERSLAG:

Die voorlopige Basiese Bepalingsverslag vir die opgradering van die bestaande VGRWSS was oorspronklik vir openbare besigtiging beskikbaar gestel vanaf 27 Augustus tot 30 September 2019. DEFF het tydens die openbare besigtigingsperiode versoek dat sekere spesialisstudies aan portuur-beoordeling blootgestel moet word. Met die opdatering van die spesifieke studies is dit nodig dat die

EMAIL TO LANDOWNERS



Wed 04/12/2019 03:56 PM

Donovan Henning

10689-VGRWSS-II: Upgrading of Existing Scheme - Notice of 2nd Round of Review of Draft BAR

To

Bcc 'gert@glenross.co.za'; 'Omasiya@sedibengwater.co.za'; 'celeste@riverfarm.co.za'; 'botma@riverfarm.co.za'; 'obrien.kim@mweb.co.za'; 'celeste@riverfarm.co.za'; 'botma@riverfarm.co.za'; 'francois.botha@za.afriam.com'; 'jeans.lodge@gmail.com'; 'gweir@mweb.co.za'; 'francoisdej@outlook.com'; 'Omasiya@sedibengwater.co.za'; 'Riaan.karriem@transnet.net'; 'gcnamies@gmail.com'; 'hencoeborder@gmail.com'; 'swartpit@telkomsa.net'; 'bertievh@gmail.com'; 'middelposguestfarm@gmail.com'; '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'; 'genekilian@gmail.com'; 'genekilian@gmail.com'; 'phkilian@isat.co.za'; 'lakweek@mweb.co.za'; 'ac@acsecurity.co.za'; 'Riaan.karriem@transnet.net'; 'pjbenson78@gmail.com'; 'fahsti@gmail.com'; 'Riaan.karriem@transnet.net'; 'con.schoombie@ppc.co.za'; 'mashudu.dzivhani@ppc.co.za'; 'oscar.bowers@ppc.co.za'; 'bdooling@debeers.co.za'; 'maxwell.morapeli@debeersgroup.com'

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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.

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).

SECOND ROUND OF REVIEW OF DRAFT BASIC ASSESSMENT REPORT:

The Draft Basic Assessment Report for the upgrading of the existing VGRWSS was initially lodged for public review from 27 August until 30 September 2019. During the review period, DEFF requested that certain specialist studies be peer reviewed. With the updating of these peer-reviewed specialist studies, the Draft Basic Assessment Report needs to be lodged for a second round of public review, which will take place from 05 December 2019 until 27 January 2020.

The Draft Basic Assessment Report can be downloaded from the following website: <https://nemai.co.za/news/10689-20190826-Comment-Sheet.pdf>

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 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 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:

- 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.

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 Bepalingsproses by die Departement van Omgewing, Bosbou en Visserye (hierna DEFF), ingevolge Staatskennisgewing Nr. R. 982 van 4 Desember 2014 (soos gewysig); en
- 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).

TWEDE RONDE VAN HERSIENING VAN VOORLOPIGE BASIESE BEPALINGSVERSLAG:

Die voorlopige Basiese Bepalingsverslag vir die opgradering van die bestaande VGRWSS was oorspronklik vir openbare besigtiging beskikbaar gestel vanaf 27 Augustus tot 30 September 2019. DEFF het tydens die openbare besigtigingsperiode versoek dat sekere spesialisstudies aan portuur-beoordeling blootgestel moet word. Met die opdatering van die spesifieke studies is dit nodig dat die voorlopige Basiese Bepalingsverslag weer beskikbaar gestel moet word vir openbare besigtiging, wat vanaf 05 Desember 2019 tot 27 Januarie 2020 sal plaasvind.



Wed 04/12/2019 03:58 PM

Donovan Henning

10689-VGRWSS-II: Upgrading of Existing Scheme - Notice of 2nd Round of Review of Draft BAR

To

Bcc 'topsvd@lantic.net'; 'ebb@hotmail.co.za'; 'francois@langebergstene.co.za'; 'admin@wiesebt.co.za'; 'coetzeene15@gmail.com'; 'admin@encoscope.co.za'; 'elektra.elektries@gmail.com'; 'andren@gamagara.co.za'; 'siaram.stef@gmail.com'; 'stephan.fouche@yahoo.com'; 'johan.kotze@floradaleboerdery.co.za'; 'antoINETtebarnard@gmail.com'; 'dorslandguesthouse@gmail.com'; 'Letitaroelofse@gmail.com'; 'devetzisd@gmail.com'; 'maritzcm@gmail.com'; 'eamaritz@gmail.com'; 'schreuderupington@vodamail.com'; 'langbergabot@mweb.co.za'; 'mmsec@tsantsabane.gov.za'; 'innasaaman@gmail.com'; 'marisca.krauze@gmail.com'; 'langbergabot@mweb.co.za'; 'drudiemaree@gmail.com'; 'delaharpe@gmail.com'; 'omothibantwa@gmail.com'; 'rsbherstel@webmail.com'; 'wmyb@sun.ac.za'; 'hesterkalp@gmail.com'; 'jvanrooyen@gmail.com'; 'cmcmathe@gmail.com'

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NOTICE OF SECOND ROUND OF REVIEW OF DRAFT BASIC ASSESSMENT REPORT

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:

1. Mechanical and electrical upgrading of the abstraction works at Delporthoop;
2. Refurbishment on pipework and repairs to buildings at the Delporthoop water treatment works;
3. Replacing / refurbishing approximately 210km of the existing pipeline from Delporthoop to Olifantshoek;
4. Mechanical and electrical upgrading of the pump stations at Delporthoop, 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:

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).

SECOND ROUND OF REVIEW OF DRAFT BASIC ASSESSMENT REPORT:

The Draft Basic Assessment Report for the upgrading of the existing VGRWSS was initially lodged for public review from 27 August until

KENNISGEWING AANGAANDE DIE TWEDE RONDE VAN HERSIENING VAN DIE VOORLOPIGE BASIESE BEPALINGSVERSLAG

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 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:

1. Meganiese en elektriese opgradering van die onttrekkingswerke by Delporthoop;
2. Opknapping van pypwerk en herstel van geboue by die Delporthoop watersuiweringswerke;
3. Vervanging / opknapping van ongeveer 210km van die bestaande pyllyn vanaf Delporthoop tot Olifantshoek;
4. Meganiese en elektriese opgradering van die pompstasies by Delporthoop, 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 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:

1. Aansoek vir Basiese Bepalingsproses by die Departement van Omgewing, Bosbou en Visserie (hierna *DEFF*), ingevolge Staatskennisgewing Nr. R. 982 van 4 Desember 2014 (soos gewysig); en
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).

TWEDE RONDE VAN HERSIENING VAN VOORLOPIGE BASIESE BEPALINGSVERSLAG:

Die voorlopige Basiese Bepalingsverslag vir die opgradering van die bestaande VGRWSS was oorspronklik vir openbare besigtiging beskikbaar oestel vanaf 27 Augustus tot 30 September 2019. DEFF het tydens die oopenbare besigtigingsperiode versoek dat sekere



Wed 04/12/2019 03:57 PM

Donovan Henning

10689-VGRWSS-II: Upgrading of Existing Scheme - Notice of 2nd Round of Review of Draft BAR

To

Bcc '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'; 'labuschwh@hotmail.com'; 'izak.gous@angloamerican.com'; 'mmsec@tsantsabane.gov.za'; 'anne-rinadoppers@dieselmehca.co.za'; 'mavis.thele@drrd.gov.za'; 'jossie@keramecha.co.za'; 'langbergabot@mweb.co.za'; 'pneysjulius@gmail.com'; 'cmcmathe@gmail.com'; 'Riaan.karriem@transnet.net'; 'mothabedibibis@gmail.com'; 'Riaan.karriem@transnet.net'; 'willem@amgroup.co.za'; 'Omasiya@sedibengwater.co.za'; 'Riaan.karriem@transnet.net'; 'mafhungo@pmgmining.co.za'; 'Keith.d@raubex.com'; 'gracec@petrex.co.za'; 'leonventer.lmv@gmail.com'; 'johan.kotze@floradaleboerdery.co.za'; 'venter.sarel@gmail.com'; 'nadia.williams@angloamerican.com'; 'Riaan.karriem@transnet.net'

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NOTICE OF SECOND ROUND OF REVIEW OF DRAFT BASIC ASSESSMENT REPORT 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.

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).

SECOND ROUND OF REVIEW OF DRAFT BASIC ASSESSMENT REPORT:

KENNISGEWING AANGAANDE DIE TWEDE RONDE VAN HERSIENING VAN DIE VOORLOPIGE BASIESE BEPALINGSVERSLAG

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' 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 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.

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 Bepalingsproses by die Departement van Omgewing, Bosbou en Visserie (hierna *DEFF*), ingevolge Staatskennisgewing Nr. R. 982 van 4 Desember 2014 (soos gewysig); en
- 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).

TWEDE RONDE VAN HERSIENING VAN VOORLOPIGE BASIESE BEPALINGSVERSLAG:

EMAIL TO REGISTERED IAPS



Wed 04/12/2019 03:54 PM

Donovan Henning

10689-VGRWSS-II: Upgrading of Existing Scheme - Notice of 2nd Round of Review of Draft BAR

To

Bcc 'hannes.ross@pioneerfoods.co.za'; 'sakkie.vanniekerk@essmang.co.za'; 'vhugo@ppc.co.za'; 'maritim2@telkom.co.za'; 'SchutCE5@telkom.co.za'; 'genekilian@gmail.com'; 'Mark.Brasler@arm.co.za'; 'Danie.Lourens@UMK.co.za'; 'Elvis.Mabasa@angloamerican.com'; 'Tshepo@kalagadi.co.za'; 'Ditshegofatso.Milanzi@south32.net'; 'Cobust@brmo.co.za'; 'Johan.Jones@assmang.co.za'; 'Joe.Schoeman@arm.co.za'; 'Reggie.Magobelelo@assmang.co.za'; 'Dieter.Storbeck@bigengroup.com'; 'divan@exm.co.za'; 'lymne@exm.co.za'; 'Keneuwe.Mabe@Transnet.net'; 'celeste@riverfarm.co.za'; 'botma@riverfarm.co.za'; 'francois.botha@za.afrisam.com'; 'jeans.lodge@gmail.com'; 'piet.doman@gmail.com'; 'farmingalwene@gmail.com'; 'Gert@glenross.co.za'; 'fordfarming@nashuasp.co.za'; 'willem.elna3@gmail.com'; 'vloedj@gmail.com'; 'nda@smowisp.com'; '262c223@gmail.com'; 'ferdi.goussard@angloamerican.com'; 'roux@polka.co.za'; 'gibson.deidre@gmail.com'; 'cfvijo3@gmail.com'; 'jhous2@gmail.com'; 'jooste.aj@yahoo.com'; 'lampies55@gmail.com'; 'mafhungo@pmmgining.co.za'; 'johan@soetfontein.co.za'; 'Izak.gous@angloamerican.com'; 'swami5353@gmail.com'; 'delecia@pmmgining.co.za'; 'willie.uys66@gmail.com'; 'mphatoem@gamagara.co.za'; 'majubaselao@gmail.com'; 'vicmlangisi@gmail.com'

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Message 10689-20190826-Comment Sheet.pdf 10689-20190826-Kommentaarblad.pdf

NOTICE OF SECOND ROUND OF REVIEW OF DRAFT BASIC ASSESSMENT REPORT 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.

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).

SECOND ROUND OF REVIEW OF DRAFT BASIC ASSESSMENT REPORT:

The Draft Basic Assessment Report for the upgrading of the existing VGRWSS was initially lodged for public review from 27 August until

KENNISGEWING AANGAANDE DIE TWEDE RONDE VAN HERSIENING VAN DIE VOORLOPIGE BASIESE BEPALINGSVERSLAG

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 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 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:

- Meganiese en elektriese opgradering van die onttrekkingswerke by Delpoortshoop;
- Opknapping van pypwerk en herstel van geboue by die Delpoortshoop watersuieringswerke;
- Vervanging / opknapping van ongeveer 210km van die bestaande pylyn 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.

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 intervale langs die pylyn 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 Bepalingsproses by die Departement van Omgewing, Bosbou en Visserie (hierna *DEFF*), ingevolge Staatskennisgewing Nr. R. 982 van 4 Desember 2014 (soos gewysig); en
- 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).

TWEDE RONDE VAN HERSIENING VAN VOORLOPIGE BASIESE BEPALINGSVERSLAG:

Die voorlopige Basiese Bepalingsverslag vir die opgradering van die bestaande VGRWSS was oorspronklik vir openbare besigtiging beskikbaar gestel vanaf 27 Augustus tot 30 September 2019. DEFF het tydens die openbare besigtigingsperiode versoek dat sekere



Wed 04/12/2019 03:53 PM

Donovan Henning

10689-VGRWSS-II: Upgrading of Existing Scheme - Notice of 2nd Round of Review of Draft BAR

To

Bcc 'moseslebogang@gmail.com; 'rooidevine@gmail.com; 'Dirk.Coetzee@assmang.co.; 'Durelle.Carstens@assmang.co.; 'Edwin.Austin@petradiamonds.co.; 'edwin.austin75@gmail.com; 'germar.biltong@gmail.com; 'francoisdej@outlook.co.; 'Karolisdrift.bl@gmail.com; 'donovanandreas@gmail.com; 'sheperdmines@gmail.com; 'edwineselao@gmail.com; 'orpenmonica@gmail.com; 'Lekgadib@gmail.com; 'anna.morwe@yahoo.co.; 'Vlokhj@gmail.com; 'willem.elha3@gmail.com; 'info@tshping.co.; 'jurgoothuizen@yahoo.co.; 'len@jempmg.co.; 'johan@soetfontein.co.; 'gibson.deidre@gmail.com; 'pwross73@gmail.com; 'william.jarvis33@gmail.com; 'lampies55@gmail.com; 'jim@jimpos.co.; 'doete71@gmail.com; 'booyensj@matchcast.co.; 'lorry@rufo.co.; 'johan.kotze@floradaleboerdery.co.; 'snrprotech@tsantsabane.gov; 'telpoortb@vodamail.co.; 'henning@agrink.co.; 'marnavz@lantic.co.; 'lukekotze1@live.co; 'con.schoombie@ppc.co.; 'anton.bezuidenhout@petradiamonds.co.; 'leon.delange@petradiamonds.co.; 'fourie.mg@gmail.com; 'ckYork@vodamail.co.; 'mashudu.dzivhani@ppc.co.; 'Isteenkamp@vodamail.co.; 'arie.hollenbach@vodamail.co; 'kalahariplanman@gmail.com

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**NOTICE OF SECOND ROUND OF REVIEW OF DRAFT BASIC ASSESSMENT REPORT
PROPOSED VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME PHASE 2:
UPGRADING OF THE EXISTING SCHEME**

Notice is hereby given in terms of the following:

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**KENNISGEWING AANGAANDE DIE TWEDE RONDE VAN HERSIENING VAN DIE
VOORLOPIGE BASIESE BEPALINGSVERSLAG
VOORGESTELDE VAAL GAMAGARA WATERVOORSIENING SKEMA FASE 2:
OPGRADERING VAN DIE BESTAANDE SKEMA**

Hierdie kennisgewing word gegee kragtens die volgende:

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- 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' pypleyn 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.

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- Verder word Konstruksiemateriaal ook benodig vanaf ongeveer 20 leengroewe wat in 10km intervalle langs die pypleyn beplan word.

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- 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).

APPENDIX G2

PROOF OF DELIVERIES OF REPORTS



147 Bram Fischer Drive
 FERNDAL
 2194

P O Box 1673
 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 (DEA Ref: 14/12/16/3/3/1/2062)	
Document Submitted:	<u>Draft Basic Assessment Report</u> 1 X Hard Copy and 1 X USB	
Name of Intended Recipient:	Ms. Bongeka Mtyana	
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:	DEES	<div style="border: 1px solid black; padding: 5px; text-align: center;"> ENVIRONMENTAL AFFAIRS INT ENV AUTH 2019 -12- 04 SIGN: </div>
Signature of Recipient:		
Date Received:	04/12/19	




147 Bram Fischer Drive
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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 (DEA Ref: 14/12/16/3/3/1/2062)
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:	DEA
Signature of Recipient:	
Date Received:	04/12/19

ENVIRONMENTAL AFFAIRS
INT ENV AUTH

2019 -12- 04

SIGN: 

APPENDIX G3

COMMENTS AND REPLY FORMS RECEIVED



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: Simangaliso Jiyane
Tel: 012 399 9247 **E-mail:** sjiyane@environment.gov.za

Donavan Henning
Nemai Consulting (pty) Ltd
P O BOX 1673
SUNNINGHILL
2157

Tel: 011 781 1730
Fax: 011 781 1731

PER EMAIL / MAIL

Dear Sir/Madam

ACKNOWLEDGEMENT OF RECEIPT OF THE AMENDED BASIC ASSESSMENT REPORT FOR THE PROPOSED VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME(VGRWSS) PHASE 2: UPGRADE OF THE EXISTING SCHEME.

The Department confirms having received the Amended Basic Assessment Report for the abovementioned project on 04 December 2019. You have submitted these documents to comply with the the National Environmental Management Act, 1998 (Act No. 107 of 1998) Environmental Impact Assessment Regulations, 2014 published under Government Notice R982 in Government Gazette No. 38282 dated 04 December 2014, as amended ('the EIA Regulations, 2014').

Please take note of Regulation 40(3) of the EIA Regulations, 2014, as amended, which states that potential Interested and 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, 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.

You are hereby reminded of Section 24F of the National Environmental Management Act, 1998 (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: IEM Systems & Tools Coordination.

Date: 06 December 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 Zesipho Makhosayafana

Telephone: 012 399 8741 **E-mail:** ZMakhosayafana@environment.gov.za

Mr Donovan 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 AMENDED 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 Amended Draft Basic Assessment Report (BAR) dated November 2019, received by the Department on 04 December 2019 and acknowledged on 06 December 2019, refer.

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

- a) Page 23 of the report indicates that there are areas where the proposed pipeline route will run parallel to and cross, (a) an existing and proposed future high voltage powerline routes and, (b) electrified railway lines. The aforementioned areas must be identified and all potential impacts which may arise, as a result of the proposed development, must be clearly identified and mitigation measures provided. The aforementioned information must form part of the final EMPr.
- b) You have applied for two (02) activities, Activity 14 of GN R.983 (as amended) and Activity 10 of GN R.985 (as amended), that are similar but have different threshold. Kindly ensure that only the correct and specific listed activity is included in the final BAR, as per the estimated quantity of the dangerous goods that will be stored within your facility.
- c) You are requested to provide the length and width of the access roads for the following listed activities: Activity 56 and 4 and 18 of GN R.983 and 985, respectively.
- d) You are reminded to ensure that all project descriptions provided, for all listed activities, can be linked to the listed activities applied for.
- a) You are further reminded to provide proof to show that the registered interested and affected parties and organ of states received written notification of the proposed activities, as per the requirements of regulation 41 (2) (b) of the EIA Regulations, 2014. This proof may include any of the following:
 - e-mail delivery reports;
 - registered mail receipts;
 - courier waybills;
 - signed acknowledgements of receipt; and/or any other proof as agreed upon by the competent authority.

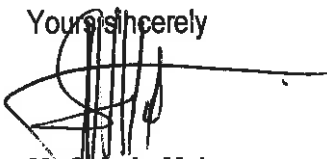
- Please ensure that all issues raised and comments received during the circulation of the draft BAR from registered I&APs and organs of state which have jurisdiction (**including this Department's Biodiversity & Conservation Branch**) in respect of the proposed activity are adequately addressed in the final BAR.
 - Proof of correspondence with the various stakeholders must be included in the final BAR. Should you be unable to obtain comments, proof should be submitted to the Department of the attempts that were made to obtain comments. The public participation process must be conducted in terms of Regulation 39, 40, 41, 42, 43 and 44 of the Environmental Impact Assessment (EIA) Regulations, 2014, as amended.
 - The final BAR must comply with these comments and all other comments and conditions issued by the Department in relation to the proposed development.
 - A comments and Response report (C&R) must be submitted with the final BAR. The C&R report must incorporate all comments for this development. Please note that a response such as "Noted" is not regarded as an adequate response to I&APs' comments.
- e) The Specialists that conducted the independent Review of the specialist studies must submit the Specialist Declarations and undertaking under oath. This form is obtainable in the Department's website (www.environment.gov.za).
- f) Please also ensure that the final BAR includes the period for which the Environmental Authorisation is required and the date on which the activity will be concluded as per Appendix 1 (3)(1)(q) of the NEMA EIA Regulations, 2014, as amended.

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 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: 21/01/2020

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

Christian Van Der Hoven

From: Conri Moolman <conrimoolman@assore.com>
Sent: 09 January 2020 07:51 AM
To: Donovan Henning
Cc: Mark.Brasler
Subject: VGRWSS Phase 2 / Comments on the Draft Basic Assessment Report
Attachments: 10689-20191203-VGRWSS-II Upgrade BAR 2_Comment Sheet_MLF_signed.pdf

Dear Donovan

Please find attached comments ("Report") on the Draft Basic Assessment Report for the upgrading of the existing VGRWSS that was initially lodged for public review from 27 August until 30 September 2019.

Please confirm receipt of the 5 page Report attached.

Regards

CONRI MOOLMAN
CONSULTING ENGINEER
ASSMANG

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Direct Tel: + 27 (0)11 770 6962
Mobile: + 27 (0) 82 451 1707
E-Mail: conrimoolman@assore.com





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

COMMENT SHEET – Draft Basic Assessment Report

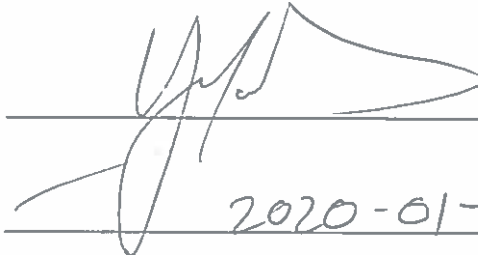
Official use	Date received:	Our reference:	Status:

1) GENERAL INFORMATION

Name of organisation (if applicable)	Assore
Name & Surname	Conri Moolman
Postal Address	Pravite bag X03, Northlands, Johannesburg, 2116
Physical Address <i>(please provide full farm description, if applicable)</i>	Assore house, 15 Fricker Road, Illovo, Johannesburg, 2196
Telephone No.	011 770 6800
Mobile No.	082 451 1707
Fax No.	
Email Address	conrimoolman@assore.com
Manner in which the report was accessed (e.g. website, library, etc.):	Andre Joubert, CEO of Assmang received the "Notice of the 2nd Round of Review of Draft BAR" as and Interested and Affected Party and requested this reply.

Signature

Date


2020-01-09

2) COMMENTS

(Note - additional pages may be included if the space provided is insufficient)

As a member of the Northern Cape Mining Leadership Forum (MLF) Technical Committee on the VGRWSS project and being familiar with the extend of the Vaal Gamagara Regional Water Supply Scheme (VGRWSS), please find below are a number of comments on the Phase 2 BAR report:

Executive Summary Page 1

Comment 1: 3rd paragraph: *"...the current scheme is operating at capacity and is not able to supply the increasing future water demands.... And*

.... the major driving force of the increased water demand is the future of iron ore and manganese mining operations."

Referring to the VGRWSS Phase 2 as an "upgrade" is incorrect and the VGRWSS project needs to refer to Phase 2 as a **Replacement of the existing VGRWSS infrastructure.**

Note that:

1. Sedibeng Water publically stated that the capacity of the VGRWSS is 26 million m³/a;
2. Studies undertaken by SLR and Sedibeng Water in 2017 and 2018 confirmed that the current VGRWSS water demand is around 22 million m³/a, made up of 13 million m³/a supplied from the Vaal River, with the balance supplied from mine dewatering schemes.
3. The above mentioned SLR and Sedibeng Water studies also confirmed that the maximum expected water demand between 2018 to 2043 is around 25 million m³/a;
4. The SLR and Sedibeng Water studies also confirmed that the current VGRWSS water demand is made up by a combination of Mine Water demand estimated at 56% and the Social Requirements accounting for approximately all of the remaining 44%.

Comment 2: 3rd paragraph: *"...these mines in the Northern Cape produce 84% of South Africa's iron ore and 92% of the world's high-grade manganese deposits are in the Kalahari basin."*

The above statement is incorrect and needs to be verified and quoted with the corresponding accredited references.

Note that:

1. The Northern Cape produces almost all the iron ore in South Africa. Refence: The Department of Mineral Resources and Energy (DMR&E)
2. SA hosts about 75% of the world's identified manganese resources, Refence: DMR&E

Comment 3: 4th paragraph: *"...Total collapse in water supply will probably happen in the next 5 years if the infrastructure is not replaced/rehabilitated. "*

Discussion between Sedibeng Water, Proplan and MLF at the Technical and Institutional Workshop held on 29 Oct 2019 and at the VGGWSS Steering Committee Meeting held on 30 Oct 2019 and thereafter, confirmed that:

1. Only sections of the VGRWSS pipeline is at risk of collapsing and not the full scheme and that the remaining sections of the pipeline infrastructure is still in good condition;
2. Refurbishment of the bulk water infrastructure should be divided into sub-projects, and each sub-project should be phased and prioritized taking into consideration the following at-risk principles:
 - a. those sections of the scheme that is most at risk of collapse;
 - b. the optimal utilization of the ground water (dewatering) from mines to reduce the water demand placed on the Vaal River system;
 - c. technical complexity of the sub-project;
 - d. the contractors' ability to execute the sub-project on time and schedule;
 - e. affordability / cashflow availability;
3. Considering the learnings from VGRWSS Phase 1, where a combination of the contractor's ability and funding availability capped the quantum of project work that could be performed to around R250 – R350mil per annum.

Note:

1. Scheduling the project work on an at-risk basis will prioritize the refurbishment work required to ensure water supply security is maintained.
2. The at-risk refurbishment of the VGRWSS Phase 2 could mitigate some material commercial constraints in the existing Off-Take Agreements being negotiated between Sedibeng Water the MLF and could make available much needed funding to maintain the Phase 2 work.

Project Description

Comment 5: Project Description, page 11

Under the heading: "*Project Description*", reference should be made to the independent 3rd party review done on the VGRWSS.

The MLF appointed Stobart Consulting Engineers (SLR) to conduct an independent 3rd Party review of the VGRWSS Project in 2017. The independent review included a review of the technical and cost estimate on the VGGWSS project, the augmentation of the water supply from the Vaal River, SD wellfields and mining ground water. Key observations were:

1. Supply volumes: Reduced from 40 Mkl/a to 25 Mkl/a
2. Capital Cost: Reduced from R12,8 billion to R8,7 billion
3. Phase 2 is a refurbishment project at current supply levels rather than the proposed upgrade of the bulk water supply infrastructure.

Comment 6: Sub-Projects

The proposed sub-project work plan outlined on page 28 does not identify the cost and duration of each of the proposed sub-projects. The project design is based on the upgrade and not the refurbishment of the existing scheme. The current design is also not optimally utilizing the ground water (dewatering) that is available from mines, nor incorporating SD well sites 3 & 4.

It is recommended that:

1. The technical design specifications of the bulk water infrastructure need to be optimized to sustain the current water supply levels;
2. The technical design should incorporate all the SD well sites, including SD 1, 2, 3 and 4. The developed of the well sites should be phased such that it augments the mine dewatering risks and addresses community concerns.
3. The sub-project work plan should identify the scope, cost and duration of each of the proposed sub-projects;
4. The proposed sub-projects be scheduled according to the at-risk principles applicable to the Phase 2 refurbishment of the bulk water supply infrastructure.

Comment 7: Financial Provision, page 56: *"...there will be sufficient funds available to ensure the project can be successfully completed."*

Funding has not been secured.

Sedibeng Water requires participating mining companies to fund 56% of the VGRWSS project, with government funding the remaining 44%. To secure the funding for Phase 2, Sedibeng Water and the mines are finalizing an Offtake Agreement (OTA) which aims to recoup the capital investment over a 25 year period on a user pay principle. The OTA is +98% complete. There are three outstanding Conditions Precedent, of which the short life mines (reserves less than the 25 years) poses the biggest funding risk to the project.

Mines with short lives are unable to sustain the capital user charge contributions over the proposed 25 year repayment period. To recoup the investment through accelerated payments are also unaffordable and could force premature mine closers and lead to job losses. The short life mines may raise a potential R1.9bn, or 22% funding exposure on the VGRWSS.

The MLF's proposals are:

1. On the "mines with short lives" & "debt liabilities in the event of sustained & materially adverse market developments" is that as the project owners, Treasury, DWS & Sedibeng Water need to stand in as guarantor(s) of last resort.
2. In the absence of government standing in as the guarantor, that the alternative funding proposal presented to Sedibeng Water in Nov 2019 should be considered. The alternative funding proposal aims to secure funds over a 2 to 3 year rolling period to execute the sub-projects on a phased approach.
3. A Steering Committee, consisting of Sedibeng Water, National Treasury, Department of Water and Sanitation, Provincial and mining representatives is established to oversee the project execution and governance.

Comment 8: SD well sites 1, 2 and 3, 4 pages 143:

The SD well sites 1 and 2 should form part of the Project Description and this EIA. Its potential to be developed or not has a material impact on the project design, capital estimate and project risk.

Well sites 3 and 4 are currently excluded from the VGRWSS Project. SD well sites 3 and 4 should be investigated as alternative ground water sources and included in the revised sub-project scope, schedule and cost estimate. These well sites are also outside community sensitive areas (which is the case for SD 1 an 2) and has a higher likelihood to augment the VGRWSS water supply.

Comment 9: Socio-Economic Impact Assessment, page 130

This section is out of date.

More up to date information is available via Minerals Counsel of South Africa, the MLF and the DMRE etc.

Christian Van Der Hoven

From: Donovan Henning
Sent: 05 December 2019 05:50 AM
To: Christian Van Der Hoven
Subject: FW: 10689-VGRWSS-II: Upgrading of Existing Scheme - Notice of 2nd Round of Review of Draft BAR

From: Chris Schutte (CE) <SchutCE5@telkom.co.za>
Sent: Wednesday, December 4, 2019 8:39 PM
To: Donovan Henning <DonavanH@nema.co.za>
Subject: RE: 10689-VGRWSS-II: Upgrading of Existing Scheme - Notice of 2nd Round of Review of Draft BAR

Good day

Please provide us with sketches of the proposed work.

Kind regards

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

From: Donovan Henning <DonavanH@nema.co.za>
Sent: Wednesday, December 04, 2019 3:54 PM
Subject: 10689-VGRWSS-II: Upgrading of Existing Scheme - Notice of 2nd Round of Review of Draft BAR

NOTICE OF SECOND ROUND OF REVIEW OF DRAFT BASIC ASSESSMENT REPORT **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 Delpportshoop 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 Delpportshoop;
2. Refurbishment on pipework and repairs to buildings at the 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 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.

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).

SECOND ROUND OF REVIEW OF DRAFT BASIC ASSESSMENT REPORT:

The Draft Basic Assessment Report for the upgrading of the existing VGRWSS was initially lodged for public review from 27 August until 30 September 2019. During the review period, DEFF requested that certain specialist studies be peer reviewed. With the updating of these peer-reviewed specialist studies, the Draft Basic Assessment Report needs to be lodged for a second round of public review, which will take place from **05 December 2019 until 27 January 2020**.

The Draft Basic Assessment Report can be downloaded from the following website: <https://nemai.co.za/proposed-vaal-gamagara-regional-water-supply-scheme-phase-2-vgrwss-ii/>

Interested and Affected Parties can provide comments on the Draft Basic Assessment Report by completing the attached Comment Sheet. Completed Comment Sheets need to be returned to Nemai Consulting by **27 January 2020**, to the contact person below.

CONTACT DETAILS OF ENVIRONMENTAL ASSESSMENT PRACTITIONER:

*Donavan Henning
(011) 781 1730
(011) 781 1731
donavanh@nemai.co.za
PO Box 1673, Sunninghill, 2157*

**Contact Person:
Tel:
Fax:
Email:
Postal Address:**



Christian Van Der Hoven

From: Donovan Henning
Sent: 20 January 2020 03:08 PM
To: Christian Van Der Hoven
Subject: FW: Bronwater/Vaalgamagara

From: ckyork <ckYork@vodamail.co.za>
Sent: Monday, January 20, 2020 7:55 AM
To: Donovan Henning <DonavanH@nemai.co.za>
Subject: Bronwater/Vaalgamagara

Goeie Dag Donovan,

Dit is al effe laat in Januarie om jou n voorspoedige nuwe jaar toe te wens, maar ons hoop in elk geval dit sal vir julle n goeie jaar wees.

Ek wil jou net graag in kennis stel dat my foon nommer verander het, dit is nou 0723034235. Lang storie, maar dit het ook veroorsaak dat ek geen emails gekry het sedert laat in November nie. As jul dus enige kennisgewings of inligting gestuur het sedert November, wil ek baie mooi vra of jy asb so gaaf sal wees om dit weer vir my te stuur. Ek sou nie graag n vergadering wou mis of inligting wou verloor as gevolg hiervan nie.

Jammer vir die ekstra werk en moeite.

By voorbaat dank.

Kokkie

C. York Olienspruit, Lime Acres.

Sent from my Samsung Galaxy smartphone.

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
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Enquiries: Natasha Higgitt
Tel: 021 462 4502
Email: nhiggitt@sahra.org.za
CaseID: 14233

Date: Friday January 24, 2020
Page No: 1

Final Comment

In terms of Section 38(4), 38(8), 36(3) 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 table provided



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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.

In an Interim Comment issued on the 16/09/2019, SAHRA requested that the submitted HIA be revised to include adequate descriptions of heritage resources identified, the impact to each site to be assessed and relevant mitigation measures per site to be provided.

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 was requested to be conducted.

Since the issuing of the Interim Comment, a field-based PIA and revised HIA have been submitted to the case.

Butler, E. 2019. Palaeontological Phase 1 Impact Assessment of the proposed upgrade to the Vaal Gamagara Regional Water Supply Scheme: Phase 2 and groundwater abstraction.

The field assessment did not identify any fossiliferous outcrops or palaeontological resources. It is not likely that the proposed development will lead to detrimental impacts to palaeontological resources within the area. A Chance Finds Protocol is recommended and is provided in the report.

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

The revised HIA has included maps of the identified resources, significance assessments and mitigation measures. A total of 30 heritage resources were identified that include two burial sites of high significance and

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Enquiries: Natasha Higgitt
Tel: 021 462 4502
Email: nhiggitt@sahra.org.za
CaseID: 14233

Date: Friday January 24, 2020
Page No: 4

four Stone Age sites of medium significance.

Additional recommendations provided in the report to those provided in the previous draft include that the burial site or its associated features which as far as possible be left intact.

Final Comment

The following comments are made as a requirement in terms of section 3(4) of the NEMA Regulations and section 38(8) of the NHRA in the format provided in section 38(4) of the NHRA and must be included in the Final BAR and EMP:

- 38(4)a – The SAHRA Archaeology, Palaeontology and Meteorites (APM) Unit and Burial Grounds and Graves (BGG) Unit has no objections to the proposed development;
- 38(4)b – The recommendations of the specialists are supported and must be adhered to. Additional specific conditions are provided for the development as follows:
 - No go buffer zone of 30 m must be maintained around the two identified burial grounds of high significance and the four Stone Age sites of medium significance;
 - If it is not possible to avoid the Stone Age sites, a permit in terms of section 35 of the NHRA and Chapter II and III of the NHRA Regulations must be applied for from SAHRA prior to construction occurring. No construction may occur without a permit issued in this regard;
 - If it is not possible to avoid the burial grounds, a social consultation process in terms of section 36 of the NHRA and Chapter XI must be undertaken;
 - If relocation of the burials is found to be feasible, along with a full Phase 2 relocation application process including the application of a permit from SAHRA in terms of section 36 and Chapter II and IX of the NHRA must be adhered to in this regard. No relocation of burials may occur without a permit issued in this regard;
 - The grave site marked as “Kilm Graves 2” is located approximately 70 m from the edge of the proposed development area. The distance of 70 m from the grave site must be maintained and no encroachment of the development may occur;
- 38(4)c(i) – If any evidence of archaeological sites or remains (e.g. remnants of stone-made structures, indigenous ceramics, bones, stone artefacts, ostrich eggshell fragments, charcoal and ash concentrations), fossils or other categories of heritage resources are found during the proposed development, SAHRA APM Unit (Natasha Higgitt/Phillip Hine 021 462 5402) must be alerted as per section 35(3) of the NHRA. Non-compliance with section of the NHRA is an offense in terms of section 51(1)e of the NHRA and item 5 of the Schedule;

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

Our Ref:



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Tel: 021 462 4502
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Date: Friday January 24, 2020
Page No: 5

CaseID: 14233

- 38(4)c(ii) – If unmarked human burials are uncovered, the SAHRA Burial Grounds and Graves (BGG) Unit (Thingahangwi Tshivhase/Mimi Seetelo 012 320 8490), must be alerted immediately as per section 36(6) of the NHRA. Non-compliance with section of the NHRA is an offense in terms of section 51(1)e of the NHRA and item 5 of the Schedule;
- 38(4)d – See section 51(1) of the NHRA;
- 38(4)e – The following conditions apply with regards to the appointment of specialists:
 - i) If heritage resources are uncovered during the course of the development, a professional archaeologist or palaeontologist, depending on the nature of the finds, must be contracted as soon as possible to inspect the heritage resource. If the newly discovered heritage resources prove to be of archaeological or palaeontological significance, a Phase 2 rescue operation may be required subject to permits issued by SAHRA;
 - The Final BAR and EMPr must be submitted to SAHRA for record purposes;
 - The decision regarding the EA Application must be communicated to SAHRA and uploaded to the SAHRIS Case application.

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

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: Friday January 24, 2020
Page No: 6

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

ADMIN:

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

Terms & Conditions:

1. This approval does not exonerate the applicant from obtaining local authority approval or any other necessary approval for proposed work.
2. If any heritage resources, including graves or human remains, are encountered they must be reported to SAHRA immediately.
3. SAHRA reserves the right to request additional information as required.

Christian Van Der Hoven

From: Donovan Henning
Sent: 06 December 2019 08:53 AM
To: ganz@keeper.co.za
Cc: Christian Van Der Hoven
Subject: RE: 10689-VGRWSS-II: Upgrading of Existing Scheme - Notice of 2nd Round of Review of Draft BAR

Dear Mr Ganz

We compiled a database of potentially Interested and Affected Parties, which included parties from other databases.

Our apologies for any inconvenience. Please let us know if we need to remove you from the mailing list.

Regards
Donovan Henning

Nemai Consulting

Tel : +27 11 781 1730

Fax : +27 11 781 1731

Mobile : +27 82 891 0604

Email : donavanh@nemai.co.za

Address : 147 Bram Fischer Drive Ferndale, 2194, South Africa

Postal Address : PO Box 1673, Sunninghill, 2157



From: ganz@keeper.co.za <ganz@keeper.co.za>
Sent: Thursday, December 5, 2019 3:51 PM
To: Donovan Henning <DonavanH@nemai.co.za>
Subject: RE: 10689-VGRWSS-II: Upgrading of Existing Scheme - Notice of 2nd Round of Review of Draft BAR

Hi Donovan

Could please give me reference to why I received this mail?

Regards

DC Ganz

From: Donovan Henning <DonavanH@nemai.co.za>
Sent: Wednesday, December 4, 2019 3:52 PM
Subject: 10689-VGRWSS-II: Upgrading of Existing Scheme - Notice of 2nd Round of Review of Draft BAR

NOTICE OF SECOND ROUND OF REVIEW OF DRAFT BASIC ASSESSMENT REPORT

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

Notice is hereby given in terms of the following:

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- 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:

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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;
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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:

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).

SECOND ROUND OF REVIEW OF DRAFT BASIC ASSESSMENT REPORT:

The Draft Basic Assessment Report for the upgrading of the existing VGRWSS was initially lodged for public review from 27 August until 30 September 2019. During the review period, DEFF requested that certain specialist studies be peer reviewed. With the updating of these peer-reviewed specialist studies, the Draft Basic Assessment Report needs to be lodged for a second round of public review, which will take place from **05 December 2019 until 27 January 2020**.

The Draft Basic Assessment Report can be downloaded from the following website: <https://nemai.co.za/proposed-vaal-gamagara-regional-water-supply-scheme-phase-2-vgrwss-ii/>

Interested and Affected Parties can provide comments on the Draft Basic Assessment Report by completing the attached Comment Sheet. Completed Comment Sheets need to be returned to Nemai Consulting by **27 January 2020**, to the contact person below.

CONTACT DETAILS OF ENVIRONMENTAL ASSESSMENT PRACTITIONER:

Donavan Henning
(011) 781 1730
(011) 781 1731
donavanh@nemai.co.za
PO Box 1673, Sunninghill, 2157

Contact Person:
Tel:
Fax:
Email:
Postal Address:



Christian Van Der Hoven

From: Hannes Ross <hannes.ross@pioneerfoods.co.za>
Sent: 05 December 2019 08:27 AM
To: Donovan Henning
Cc: Pieter Ross
Subject: Re: 10689-VGRWSS-II: Upgrading of Existing Scheme - Notice of 2nd Round of Review of Draft BAR

Morning Donovan

Thank you for all the info.

Where can I find in all the attachments on the indicated website the following reports:

1. Ground Water Assessment Report
2. Agriculture Impact Assessment Report.

Regards

Pioneer Foods subscribes to professional business practices. (Telephone hotline 0800 005 909, or e-mail pioneerfoods@tip-offs.com)

For more information and disclaimer: [Pioneer Foods E-mail-Legal-Disclaimer](#)

On Wed, Dec 4, 2019 at 3:56 PM Donovan Henning <DonovanH@nemai.co.za> wrote:

NOTICE OF SECOND ROUND OF REVIEW OF DRAFT BASIC ASSESSMENT REPORT

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 Delpportshoop 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 Delpportshoop;
2. Refurbishment on pipework and repairs to buildings at the 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; 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:

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).

SECOND ROUND OF REVIEW OF DRAFT BASIC ASSESSMENT REPORT:

The Draft Basic Assessment Report for the upgrading of the existing VGRWSS was initially lodged for public review from 27 August until 30 September 2019. During the review period, DEFF requested that certain specialist studies be peer reviewed. With the updating of these peer-reviewed specialist studies, the Draft Basic Assessment Report needs to be lodged for a second round of public review, which will take place from **05 December 2019 until 27 January 2020**.

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Interested and Affected Parties can provide comments on the Draft Basic Assessment Report by completing the attached Comment Sheet. Completed Comment Sheets need to be returned to Nemai Consulting by **27 January 2020**, to the contact person below.

CONTACT DETAILS OF ENVIRONMENTAL ASSESSMENT PRACTITIONER:

Donavan Henning

(011) 781 1730

(011) 781 1731

donavanh@nemai.co.za

Contact Person:

PO Box 1673, Sunninghill, 2157

Tel:

Fax:

Email:

Postal Address:



Disclaimer

This email has been scanned for viruses and malware, and automatically archived by **Mimecast SA (Pty) Ltd.**

--

Hannes Ross
Logistics Manager : PFLS Inland Region

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C/o Murray and Wadeville Roads Wadeville Germiston Gauteng





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Tel: (011) 781 1730
Fax: (011) 781 1731
Email: donavanh@nema.co.za

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)	
Name & Surname	HENDRIK. J. VLOK
Postal Address	POSBUS 163, POSTMASBURG, 8420
Physical Address <i>(please provide full farm description, if applicable)</i>	PLOT RUSCOORD, GATKOPPIES, POSTMASBURG
Telephone No.	
Mobile No.	0828998032
Fax No.	
Email Address	VLOKHJ@GMAIL.COM
Manner in which the report was accessed (e.g. website, library, etc.):	WEBSITE

Signature

Date

26 JANUARIE 2020

2) COMMENTS

(Note - additional pages may be included if the space provided is insufficient)

Mr Henning indicated at the advertised meeting of 3 September 2019 that a separate BA Process is underway for the proposed groundwater abstraction at SD2 area at Postmasburg. As this meeting turned out to be by invitation only, myself and twenty one property owners that will be effected by the proposed SD2 groundwater abstraction scheme was deliberately denied participation in a legal required public participation in the review of the Draft Basic Assessment Report.

Deliberately because one of the owners, which was nominated by most of us to represent us in this SD2 meetings, was assured by Mr Henning by E-Mail that he will notify him of the next meeting.

Some of the Items that would have been raised by us at this meeting :-

1. In a meeting on the 10 April 2019 we as owners of small holdings along the Groenwater river was assured by Golder representative that the water pumping will have no effect on our groundwater levels as we are situated in a different aquifer. Now it appears that some twenty properties will be effected in that their water level in that area will decline up to eight meters over the next ten years. With the water not very deep along the river most household water boreholes is not very deep and can dry up. The other effect will be that all the wetland areas along the basin of the river will dry up resulting in loss of higher capacity grazing vegetation. Fruit trees growing by only using this shallow ground water will also be adversely effected. All properties along the river will probably be effected.
2. In the same 10 April meeting I personally was assured by the same person that there is no possibility of sinkholes in that area. After the meeting S.van Niekerk raised the same concern about the developing of sinkholes. Mr D. Henning then explained that the risk of sinkholes will be investigated. As any sinkholes will result in loss of value in property and more important can also result in loss of life, this investigation is very important to the small holding owners. I feel the public participation period cannot be completed without an assessment of this matter.
3. The Land Owners Borehole locality map – Postmasburg municipality (in appendix E) show less than estimated 30 percent of the boreholes in that area. This will explain the confusion every time borehole surveys or monitoring is mentioned in passed meetings
4. I can only hope that not including this more than twenty five household water supply boreholes was done to minimize the reported damage possible by extraction of water in the area.

I hope we can resolve this matter with further discussions.

Christian Van Der Hoven

From: Donovan Henning
Sent: 05 December 2019 06:49 AM
To: Japie Botma; Celeste Van Niekerk
Cc: Christian Van Der Hoven; rmlozana@nmenvironmental.co.za; mlozanar@gmail.com
Subject: RE: RE: VAAL GAMAGARA PYPLYN: PLAAS 218 BARKLEY WES: EIENAAR: BROEKSKEUR BOERDERY (EDMS) BPK

Dear Mr Botma

Your previous correspondence was forwarded to Sedibeng Water to provide a response.

In terms of the Basic Assessment process, your comments have also been incorporated into the Comments and Reponses Report that was appended to the draft Basic Assessment Report (refer to yesterday's notification of review).

Regards
Donavan Henning

Nemai Consulting

Tel : +27 11 781 1730

Fax : +27 11 781 1731

Mobile : +27 82 891 0604

Email : donavanh@nemai.co.za

Address : 147 Bram Fischer Drive Ferndale, 2194, South Africa

Postal Address : PO Box 1673, Sunninghill, 2157



From: Japie Botma <botma@riverfarm.co.za>
Sent: Monday, December 2, 2019 5:51 PM
To: Celeste Van Niekerk <celeste@riverfarm.co.za>; Donovan Henning <DonavanH@nemai.co.za>; rmlozana@nmenvironmental.co.za; mlozanar@gmail.com; 'Japie Botma' <botma@riverfarm.co.za>; christiaanvdh@nemai.co.za
Subject: Fwd: RE: VAAL GAMAGARA PYPLYN: PLAAS 218 BARKLEY WES: EIENAAR: BROEKSKEUR BOERDERY (EDMS) BPK

Good afternoon

I refer to the below email and attachments.
We will appreciate your response as a matter of urgency.

Yours faithfully
JJ Botma
Director

----- Forwarded Message -----

Subject:RE: VAAL GAMAGARA PYPLYN: PLAAS 218 BARKLEY WES: EIENAAR: BROEKSKEUR BOERDERY (EDMS) BPK
Date:Mon, 7 Oct 2019 08:24:27 +0200
From:Celeste <celeste@riverfarm.co.za>
To:donavanh@nemui.co.za
CC:rmlozana@nmenvironmental.co.za, mlozandar@gmail.com, 'Japie Botma' <botma@riverfarm.co.za>

Goeie more

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

Ons verwys na bogemelde aangeleentheid, vind aangehed die skrywe gedateer 07.10.2019

Groete

CELESTE VAN NIEKERK

Kantoorbestuur

Vir

Broekskeur Boerdery (Edms) Beperk Groep

Telefoonnommer: [053 861 3225](tel:0538613225) / E-pos: celeste@riverfarm.co.za

Posbus 11105, Hadisonpark, Kimberley, 8300 / Queensweg 21, Hadisonpark, Kimberley, 8301

Christian Van Der Hoven

From: Japie Botma <botma@riverfarm.co.za>
Sent: 04 December 2019 08:17 PM
To: Donovan Henning; Celeste Van Niekerk
Subject: Re: 10689-VGRWSS-II: Upgrading of Existing Scheme - Notice of 2nd Round of Review of Draft BAR
Attachments: RE: VAAL GAMAGARA PYPLYN: PLAAS 218 BARKLEY WES: EIENAAR: BROEKSKEUR BOERDERY (EDMS) BPK

Naand Mnr Henning

Ek verwys na die eerste skrywe wat ek in hierdie verband gerig het waarop geen antwoord ontvang was nie en herhaal die inhoud daarvan in hierdie eops as aanhegting.

Die uwe
JJ Botma
Direkteur
Broekskeur Boerdery (Edms) Bpk

On 04/12/2019 3:56 PM, Donovan Henning wrote:

NOTICE OF SECOND ROUND OF REVIEW OF DRAFT BASIC ASSESSMENT REPORT

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

Notice is hereby given in terms of the following:

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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 Delpportshoop on the Vaal River (60km to the north west of Kimberley) via Postmasburg to the iron 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 Delpportshoop;
2. Refurbishment on pipework and repairs to buildings at the 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; 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) 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:

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SECOND ROUND OF REVIEW OF DRAFT BASIC ASSESSMENT REPORT:

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Interested and Affected Parties can provide comments on the Draft Basic Assessment Report by completing the attached Comment Sheet. Completed Comment Sheets need to be returned to Nemai Consulting by **27 January 2020**, to the contact person below.

CONTACT DETAILS OF ENVIRONMENTAL ASSESSMENT PRACTITIONER:

*Donavan Henning
(011) 781 1730
(011) 781 1731
donavanh@nemai.co.za
PO Box 1673, Sunninghill, 2157*

Contact Person:
Tel:
Fax:
Email:
Postal Address:





P.O. Box 1673
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147 Bram Fischer Drive
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Tel: (011) 781 1730
Fax: (011) 781 1731
Email: donavanh@nema.co.za

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

COMMENT SHEET – Draft Basic Assessment Report

Official use	Date received: 04/12/2019	Our reference:	Status:
---------------------	-------------------------------------	-----------------------	----------------

1) GENERAL INFORMATION

Name of organisation (if applicable)	kudumane Manganese Resources
Name & Surname	Tshekedi Montshusi
Postal Address	PO Box 341 Hotazel 8490
Physical Address (please provide full farm description, if applicable)	FARM A279 York Farm Hotazel 8490
Telephone No.	053 742 3500
Mobile No.	0799476721
Fax No.	
Email Address	montshusi,tshekedi@kmr.co.za
Manner in which the report was accessed (e.g. website, library, etc.):	email

Signature

Date

09/12/2019

Christian Van Der Hoven

From: Natasha Higgitt <nhiggitt@sahra.org.za>
Sent: 05 December 2019 12:49 PM
To: Donovan Henning
Subject: RE: 10689-VGRWSS-II: Upgrading of Existing Scheme - Notice of 2nd Round of Review of Draft BAR

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.

Please note that SAHRA office will be closed from the 20th December 2019 and reopen on the 2nd January 2020. Additionally, please note that I am on leave from the 17th December 2019 and I will return on the 6th January 2020.

Kind regards,

From: Donovan Henning <DonovanH@nemail.co.za>
Sent: Wednesday, 04 December 2019 15:45
Subject: 10689-VGRWSS-II: Upgrading of Existing Scheme - Notice of 2nd Round of Review of Draft BAR

NOTICE OF SECOND ROUND OF REVIEW OF DRAFT BASIC ASSESSMENT REPORT

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

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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).

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Donavan Henning
 (011) 781 1730
 (011) 781 1731
donavanh@nemai.co.za
 PO Box 1673, Sunninghill, 2157

Contact Person:
Tel:
Fax:
Email:
Postal Address:



Natasha Higgitt

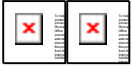
Heritage Officer: Archaeology, Palaeontology and Meteorites Unit

South African Heritage Resources Agency
 - A nation united through heritage -

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E: nhiggitt@sahra.org.za | 111 Harrington Street | Cape Town |

www.sahra.org.za



APPENDIX K

COMMENT SHEET

Blair
26/01/2020



P.O. Box 1673
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2157

147 Bram Fischer Drive
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Tel: (011) 781 1730
Fax: (011) 781 1731
Email: donavanh@nemai.co.za

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)	P.J. Kilian (Pty) Ltd.
Name & Surname	N/A
Postal Address	P.O. Box 294 Bredasdorp, 7280
Physical Address <i>(please provide full farm description, if applicable)</i>	Farm Grootpan, Portion 16 of Concilidated Farm Carter Block Number 458, Hay District, Northern Cape Province
Telephone No.	028 425 1021
Mobile No.	083 626 6813
Fax No.	N/A
Email Address	genekilian@gmail.com
Manner in which the report was accessed (e.g. website, library, etc.):	Website download as per information in the Nemai e-mail dated 4 December 2019

Signature

Date

26/01/2020

2) COMMENTS

(Note - additional pages may be included if the space provided is insufficient)

Based on the available information that we accessed via the link to the Nemaï website we have the following comments regarding Phase II which is only relating to the replacement of the existing main Vaal-Gamagara pipeline:

The reports related to Phase II is still very generic (broad project based) at this stage. We as land owners need to know the detailed impact that the pipeline construction will have on our property with specific reference to:

- a) Potential deviations, if any, on the existing servitude width and requirements (both before, during and after construction).
- b) Possible infringement to other servitudes located next to and/or near the main water pipeline on our property.
- c) Planned position and size of any borrow pit/s for the pipeline construction phase on our property.
- d) Some of the reports refer to working areas of up to 100m wide for the pipeline construction. We will not agree to such a wide area over our property.
- e) Rough indication of the construction program related to our property. (i.e. when will construction more or less start, how long will it take, and what impact regarding access, etc. will it have.
- f) We have serious concerns regarding access control, safety and livestock theft on our property during the construction phase.


26/01/2020

Christian Van Der Hoven

From: Riaan Karriem Transnet Freight Rail KBY <Riaan.Karriem@transnet.net>
Sent: 09 January 2020 10:36 AM
To: Donovan Henning
Cc: Annelize Harmse Transnet Freight Rail JHB; Vrishnee Maharaj Transnet Freight Rail KBL; Nomfundo Nene Transnet Freight Rail KBL; Wentzel Radcliffe *Transnet Property BLM
Subject: PROPOSED VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME PHASE-
Attachments: KBYTFRWPUPS01_FRP388_11_0030718_200109105410_0001.pdf; KBYTFRWPUPS01_FRP388_11_0030718_200109105518_0001.pdf

REF:TFR/RN/WR/13/16/1/153

PPS: LS.BFX.25/6/190

Good day Mr. Henning

Please find attached letter for your attention.
Your co-operation in this regard will be highly appreciated.

Thanking you in advance

Kind regards

Riaan Karriem
Chief Admin Official
Infrastructure Maintenance
Transnet Freight Rail
Kimberley

 053-8383008
 053-8383110

TRANSNET



DISCLAIMER: The information contained in this email and its attachments is both confidential and subject to copyright. If you are not the intended recipient, you are hereby notified not to read, disclose copy or use the contents thereof in any manner whatsoever, but are kindly requested to notify the sender and delete it immediately. This e-mail message does not create any legally binding contract between Transnet SOC LTD and the recipient, unless the contrary is specifically stated. Statements and opinions expressed in e-mails may not represent those of Transnet SOC LTD. While Transnet will take reasonable precautions, it cannot give any guarantee or warrant that this email will be free of virus infections, errors, interception and, therefore, cannot be held liable for any loss or damages incurred by the recipient, as a result of any of the above-mentioned factors.

13 December 2019

Ref: TFR/RN/WR/13/16/1/1/153

Mr. D. Henning
Nemai Consulting
P.O. BOX 1673
Sunninghill
2157

Dear Mr. Henning

KAMFERSDAM-HOTAZEL: NOTICE OF REVIEW OF DBA – PROPOSED VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME PHASE UPGRADING OF THE EXISTING SCHEME.

Your e-mail dated 26th August 2019 refers.

Civil:

Our office has no objection to the proposed upgrade scheme.
Should there be the need for crossings to the zones, please ensure that the applicant officially apply for a wayleave agreement in that regard.
Care should also be given to possible storm water flow to and from our railway lines.
A site visit should also be arranged prior the crossing as supervision and protection will be needed.
If it is a water pipe then natural cathodic protection should be installed.

The following documents are also attached for your further attention, please.

TFR REQUIREMENTS FOR PIPE JACKING / DIRECTIONAL DRILLING

Transnet Property:

Ref: LS.BFX.25/5/190

It should be noted that Transnet will be affected in some instances where the pipe is crossing Transnet Land as per attached images. From a Geo-Spatial perspective, we would like to request that all TFR cadastral boundaries must be protected at all times. In case of a disturbance of any boundary beacons, this office must be notified immediately allowing for prompt corrective action to be taken.

This office has no objection to the proposal. From the application the proposed area is adjacent to the Transnet land and we only hereby wishes to draw your attention to Section 48 (1) of the Minerals And Petroleum Resources Development Act, 2002 which stipulates as follow:

"48. (1) Subject to section 20 of the National Parks Act, 1976 (Act No. 57 of 1976), and subsection (2), no reconnaissance permission, prospecting right, mining right or mining permit may be issued in respect of—

- (a) land comprising a residential area;
- (b) any public road, railway or cemetery;
- (c) any land being used for public or government purposes or reserved in terms of any other law; or

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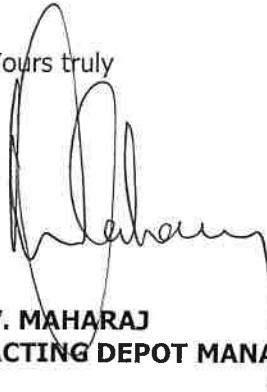
DEPOT ENGINEER	PO BOX 10201
1B Austen Street	South Africa,
Beaconsfield	T +27 53 8383039
Kimberley	F +27 53 8383211
8315	

(d) areas identified by the Minister by notice in the Gazette in terms of section 49.”

As far as the adjacent properties to the railway line is concerned, your attention is drawn to Regulation 17 (6) (a) of the Mine Health and Safety Act, 1996 which determines that no mining operations may be carried out under or within a horizontal distance of 100metres from buildings, roads, railways, reserves etcetera’s.

Transnet Freight Rail would however, like the opportunity to re-evaluate our position with regards to this proposal once final plans have been prepared.

Yours truly



V. MAHARAJ
ACTING DEPOT MANAGER

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MD Gregg-Macdonald* (Acting Chief Financial Officer)*Executive

Acting Group Company Secretary: K Naicker

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Infra Admin

Bonokwakhe Makhanya
Engineering Technician(KBN)
Infra
Transnet Freight Rail
Bonokwakhe.Makhanya@transnet.net

Date: 24/10/2019

Ref: TFR/RN/WR/13/16/1/153

Dear Sir/Madam

SUBJECT: APPLICATION FOR PROPOSED UPGRADING OF THE VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME PHASE 2"

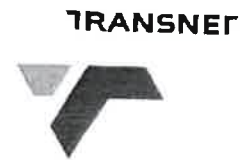
Our office has no objections for the application, but we would like to request that all the TFR Requirements for pipe jacking or directional drill should be followed when doing drilling on site where the water line is crossing under the railway line. I will attach those in the file. The other important request from our office is that during construction all Transnet cadastral boundaries beacons should not be removed or disturbed.

It is very important to follow all the above mentioned points about drilling and pipe jacking when doing the construction on site as we can see from the attached topographical maps attached that Transnet will be affected where the pipe is crossing our land. We hereby wish to draw your attention to Section 48(1) of minerals and petroleum resources development act, 2002.

Kindly Regards

Nomfundo Nene
Technical Support Manager (KBN)

Bonokwakhe Makhanya
Engineering Technician (KBN)



Principal Engineer
Bridges & Geotechnical
Rail Network

28 August 2015

Rail Network Depot Engineers / Depot Managers / Infra Managers

TFR REQUIREMENTS FOR PIPE JACKING / DIRECTIONAL DRILLING.

In addition to the TFR requirements for allowing pipe jacking normally given through by the Depots, the following must be adhered to:

1. The minimum depth of the top of the sleeve pipe shall be 1.5m below natural ground level (NGL) / lowest of other features and / or 2m below top of formation, which ever gives the lowest elevation level for the top of the sleeve pipe. (Also refer to drawing attached)
2. The bottom of the entry / exit chamber for the pipe jacking operation will be outside of the 45° influence line starting from the toe of the formation / service road.
3. Pipe jacking / directional drilling will not be allowed on a level above the toe of the formation.
4. The sleeve pipe shall extend all the way under the embankment and service roads and a minimum of 500mm past the 45° influence lines of the embankment / service road.
5. Manholes shall preferably be placed outside of the TFR property, else next to the boundary fence flush with the top of the ground.
6. The jacking shall be a continuous process and the unsupported excavation ahead of the sleeve pipe will be kept to a minimum. The maximum will be 500mm.
7. Pipe jacking shall adhere to SANS 1200 LG.
8. Immediately upon completion of the jacking operation, the installation will be pressure grouted according to SANS 1200 LG.
9. The pipe jacking operation shall be a continuous operation and when the operation is being stopped for a period of time, earth pressure balancing procedures shall be put in place to reduce the risk of ground movement.
10. The following information must be submitted with the way leave application:
 - a. The position of the crossing (Line and km-distance)
 - b. A cross sectional drawing to scale on the center line of the intended service crossing, indicating the following information:
 - i. Fences
 - ii. Natural Ground Level (NGL) throughout the cross section
 - iii. Embankment (Toe, shoulder and top)
 - iv. Position and depth of entry / exit chambers.
 - v. Service road
 - vi. Drainage channels (Line and unlined)
 - vii. Alignment of sleeve pipe / pipes.

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MR Seleke SD Shane BG Stagman PG Williams A Singh* (Group Chief Financial Officer)

*Executive

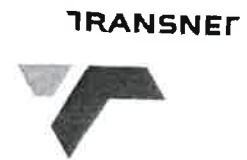
Group Company Secretary: ANC Ceba

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- viii. Height of top of the sleeve pipe below top of formation and lowest NGL / other features (Drainage channels)
 - ix. Type and class of sleeve pipe and dimensions
 - x. Angle of sleeve pipe in relation to the center line of the track. (Preferably at right angles)
 - c. A Geotechnical Investigation report of the in-situ material the embankment is built on, will be required for pipe jacking / directional drilling projects, where the diameter of the sleeve pipe is in excess of 200mm, containing the following information:
 - i. Test pit soil profiling according to Jennings et al
 - ii. For consistency of the soil profile - Probing using DPSH / SPT / CPT
 - iii. Recording of the level of water table
 - iv. Expected geological classification in terms of problem soils if any (for example; dolomitic, collapsible, dispersive, expansive and soft clays).
 - v. Geotechnical laboratory testing should include the following tests:
 - Collapse potential test
 - Dispersive test (Double Hydrometer test, crumb test and Sodium Adsorption Ratio)
 - Foundation Indicator (grading and hydrometer analysis and Atterberg limits)
 - Maximum Dry Density and Optimum moisture content
 - Field moisture content (NMC)
 - d. Method Statement for jacking / directional drilling.
 11. A speed restriction shall be imposed by the Depot to ensure safe train operations.
 12. Temporary Track Support:
 - a. Temporary Track Support might be required for pipe jacking / directional drilling operations where the diameter of the sleeve pipe is in excess of 200mm. The information requested in paragraph 10 will be used to decide if temporary track support will be required.
 - b. The Temporary Track Support will be of the type "Top Rail Girders" and shall be the longest for the rail girder group. Refer to the Track Manual (2012) annexure 7.
 13. No jetting will be allowed during the jacking process.
 14. When blasting is required in the jacking process, approval needs to be obtained from the Technical Office prior to commencement thereof.
 15. All plans and computations associated with the works shall be prepared by a Professional Engineer.
 16. Loading to be used in the design of the pipe line shall be according to the TFR Bridge Code (1983)
 17. Any deviations from the above shall be referred to the Technical Office for approval.



J. H. Homan
Principal Engineer
Bridges and Geotechnical
Rail Network



Principal Engineer
Bridges & Geotechnical
Rail Network

28 August 2015

Rail Network Depot Engineers / Depot Managers / Infra Managers

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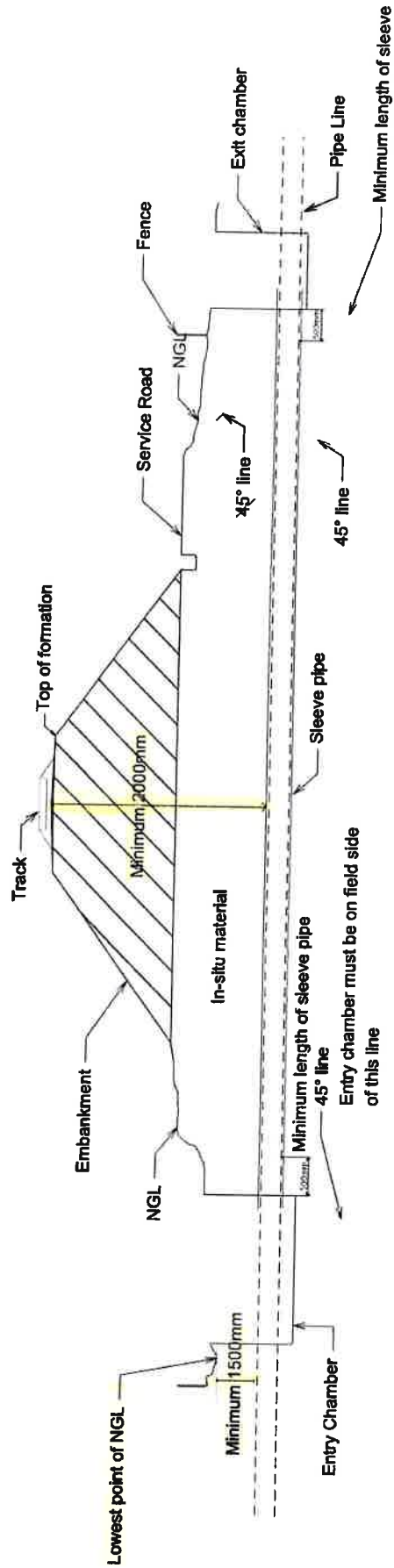
*Executive
Group Company Secretary: ANC Ceba

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- viii. Height of top of the sleeve pipe below top of formation and lowest NGL / other features (Drainage channels)
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 - iii. Recording of the level of water table
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17. Any deviations from the above shall be referred to the Technical Office for approval.



J. H. Homan
Principal Engineer
Bridges and Geotechnical
Rail Network



TFR requirements for Pipe Jacking / Directional drilling



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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: (indien toepaslik)	W. BRITZ BOERDERY
Naam en Van:	W.M. BRITZ
Posadres:	POSTBUS 762 POSTMASBURG
Fisiese Adres: (dui asb. volle plaasnaam aan, indien toepaslik)	PLOT 3761 BATAKOPPIES
Telefoon-nommer:	POSTMASBURG
Selfoon-nommer:	083 768 1291
Faks-nommer:	
e-posadres:	willem.ehna3@EMAIL.COM
Manier waarop toegang tot verslag verkry was (bv. webblad, biblioteek):	EMAIL

Handtekening

Datum

20/01/2020

2) KOMMENTAAR

(L.W. bykomende bladsye mag ingesluit word indien die ruimte wat voorsien word, te min is)

GRAAG WIL EK HÊ DAT MY TWEE BOORGATE
EN WATER PUT SE WATER VLAKKE GEMEET WORD
VOORDAT VERWSS OPERADEERING BEGIN.

INDIEN DIE WATER VLAKKE BENADEEL WORD
DEUR WATER ONTREKING (POSTMASJURE / GETHAUE)
TYDENS VERWSS OPERADEERING, WIL EK WEE
OF VERWSS VIR MY WATER OORVOORSIEN
OF MY BOORGATE VERDIEP MET NOOIE
TOERUSTING VOORSIEN INDIEN BESTAANDE POMPE
OOR NIE VOLDOENDE SAL WEE NIE?

SIE AANDEHEEZE BLADSY VIR PUT UITKOP
EN BOORGATE / WATER PUT

BOORGATE GEMERK X EN H
PUT GEMERK Z

F

L.G. No.

8189-93

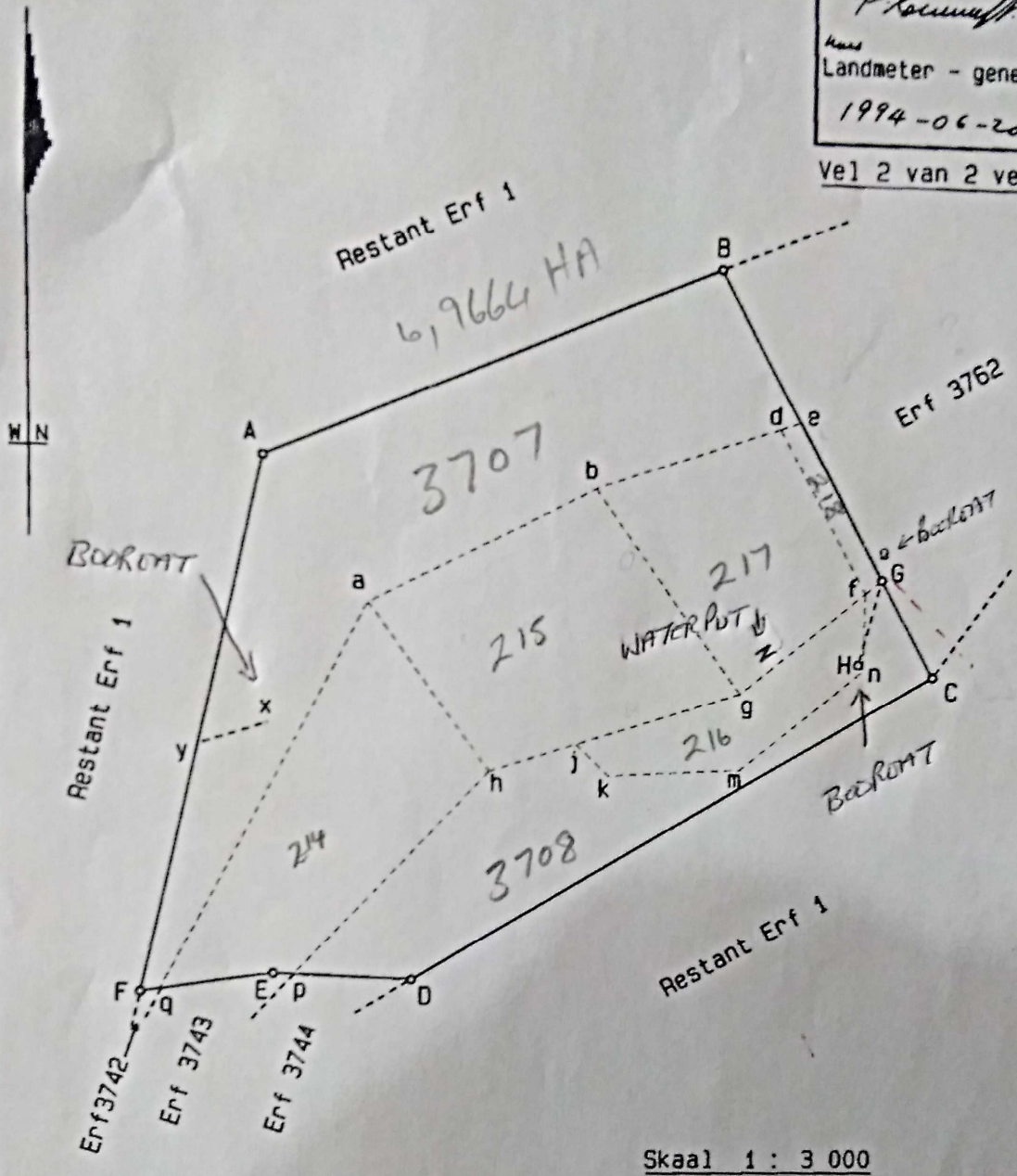
Goedgekeur

P. Rouwff

Landmeter - generaal

1994-06-20

Vel 2 van 2 velle



ERF 3761 POSTMASBURG

gelee in die Munisipaliteit Postmasburg Administratiewe Distrik Hay
Provinsie Kaap die Goeie Hoop
Opgemeet in Mei tot Junie 1990, Oktober 1991 en September tot Oktober 1992
deur ons.

G.O.L. Cross

G.O.L. Cross
Pr. Landmeter

C.D. Venter

C.D. Venter
Pr. Landmeter

APPENDIX G4

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 (Final)



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 H5 of the Draft BAR.

NO.	COMMENT/ QUERY/ ISSUE	RAISED BY	SOURCE & DATE	RESPONSE FROM	RESPONSE
	<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 I 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 H5 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>

NO.	COMMENT/ QUERY/ ISSUE	RAISED BY	SOURCE & DATE	RESPONSE FROM	RESPONSE
	<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 (WeGo Africa PTY LTD)	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 H2 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 (Mvelaphande Trading)	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>				
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. 	J. Kotze (Floradale Boerdery)	Reply Form (26-04-2019)	<p>Pro-Plan / Groundwater Specialist</p> <p>Sedibeng Water</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.

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	<p>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).</p> <p>7. How are local businesses involved and benefitting from the project? I'm talking about all businesses, not just black businesses.</p>			Pro-Plan	<p>5. Groundwater will firstly be allocated to/used for basic human needs. Water demand exceeds the water available from the Vaal River. Therefore the need to develop alternative sources.</p> <p>6. This is not possible. Water demand exceeds the water available from the Vaal River.</p> <p>7. Supplying water to mines, farmers and municipalities are contributing to the economy of the Northern Cape. Local businesses benefit from the economy that the mines create. Local businesses can also benefit during the construction period depending on their line of business.</p>
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	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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10.	<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.
11.	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.
12.	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.
13.	<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 H2 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 I 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 I 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 I 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 H2 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 EMPr, 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>				
14.	<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: <i>(Department of Agriculture Forestry and Fisheries)</i>	Letter (27-08-2019)	Nemai Consulting Nemai Consulting	<p>1. No response required.</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. This will be investigated.
				Terrestrial Specialist	6. Provincially protected plant species such as <i>Lithops spp.</i> , and <i>Nymania 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 I of the Draft BAR) for site clearing (Section 12.4.2), site establishment (Section 12.4.3) and fencing arrangements (Section 12.4.6).

NO.	COMMENT/ QUERY/ ISSUE	RAISED BY	SOURCE & DATE	RESPONSE FROM	RESPONSE
	<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 H5 of the Draft BAR.
15.	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.

NO.	COMMENT/ QUERY/ ISSUE	RAISED BY	SOURCE & DATE	RESPONSE FROM	RESPONSE
	<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>				
16.	<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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17.	<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> <ol style="list-style-type: none"> 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. 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. 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. 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. 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. 	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 latest IAP database is included in Appendix G5 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.
18.	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	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>				
19.	<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.
20.	<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 Delpportshoop 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. 13 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 Delportshoop; 2. Refurbishment on pipe work and repairs to the buildings at 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 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> <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; 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.				
21.	<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 G5 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.

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22.	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.
23.	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.
24.	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.
25.	<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 related to fauna and flora. The contractor must comply with the EMPr during the construction phase.
26.	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

NO.	COMMENT/ QUERY/ ISSUE	RAISED BY	SOURCE & DATE	RESPONSE FROM	RESPONSE
					demand could be met and what will be the best option.
27.	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.
28.	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.
29.	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.
30.	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 Delportshoop 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 Delportshoop to Olifantshoek.
31.	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 Delportshoop 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 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.

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					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.
32.	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.
33.	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 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.
34.	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.
35.	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.
36.	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.

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37.	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.
38.	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.
39.	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.
40.	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.
41.	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.
42.	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)	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 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

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					<p>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>
43.	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.
44.	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.
45.	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.
46.	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.
47.	1. Is the diameter of the pipe that will be installed larger than the existing pipe?	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.

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	<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>			<p>Nemai Consulting</p> <p>Nemai Consulting</p> <p>Nemai Consulting</p>	<p>2. The socio-economic specialist will need to assess impacts to property values.</p> <p>3. No response required.</p> <p>4. To be considered further.</p>
48.	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>
49.	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.
50.	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.

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51.	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.
52.	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.
53.	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)	Authority Meeting (05-09-2019)	Nemaï Consulting	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.
54.	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)	Nemaï 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.
55.	Requested a link to the electronic version of the Draft BAR.	T. Moleleki (Department of Rural Development & Land Reform)	Authority Meeting (05-09-2019)	Nemaï Consulting	C. van der Hoven indicated that a link will be provided.
56.	<u>Interim Comment</u>	N. Higgitt SAHRA	Letter (16-09-2019)	Nemaï Consulting	The Heritage Impact Assessment (HIA) Report was revised to incorporate the comments

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	<p>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".</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 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>				<p>provided by SAHRA. The revised report is included in Appendix H3 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 H4 of the Draft BAR.</p> <p>The revised HIA and Phase 1 PIA will be submitted to SAHRA on SAHRIS for review.</p>
57.	<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>	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 H5 and H6 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,</p>

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	<p><u>a) Specialist Studies</u> The terrestrial and socio-economic impact assesment 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 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 managemnt outcomes will be achieved) per Appendix 4 1(1)(d) and (f) of 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 assesment must be applied to an application, the applicant must within 90 days od 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</p>				<p>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 I of the Draft BAR).</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 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>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:</p> <p><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>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 at least one (1) electronic copy (USB/CD) of the 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>				
58.	<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>	J. Botma (Broekskeur Boerdery)	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>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> <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>				

D. COMMENTS AND RESPONSES – SECOND REVIEW PERIOD OF DRAFT BASIC ASSESSMENT REPORT

The second 30-day public review period of the Draft BAR commenced from **05 December 2019 – 27 January 2020**. The Draft CRR was continuously updated to include all comments/concerns received during the review period.

It is noted that comments received during the second review period which pertained to SD1 and SD2 Groundwater Abstraction were included in this section for the sake of completeness. However, these comments will be addressed at a later stage as part of a separate EIA process which will be undertaken for this component of the overall project.

NO.	COMMENT/ QUERY/ ISSUE	RAISED BY	SOURCE & DATE	RESPONSE FROM	RESPONSE
59.	Good afternoon. I refer to the below email and attachments. We will appreciate your response as a matter of urgency.	J. Botma (Broekskeur Boerdery)	E-mail (02-12-2019)	Nemai Consulting	Previous correspondence provided by the IAP was forwarded to Sedibeng Water to provide a response. Refer to response to Section C, row no. 58 above.
60.	I refer to the first letter I wrote in this regard, to which no reply was received and repeat its contents in this email as attached.	J. Botma (Broekskeur Boerdery)	E-mail (04-12-2019)	Nemai Consulting	Refer to response to Section C, row no. 58 above.
61.	<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</p>	N. Higgit (SAHRA)	E-mail (05-12-2019)	Nemai Consulting	All relevant EIA documentation, including the Heritage Impact Assessment and Palaeontological Desktop Assessment, was uploaded to SAHRIS. The status of the case was changed from DRAFT to SUBMITTED.

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	<p>will be able to issue an informed comment as per section 38(4) and 38(8) of the NHRA.</p> <p>Please note that SAHRA office will be closed from the 20th December 2019 and reopen on the 2nd January 2020. Additionally, please note that I am on leave from the 17th December 2019 and I will return on the 6th January 2020.</p>				
62.	<p>Good day. Please provide us with sketches of the proposed work.</p>	C. Schutte (Mvelaphande Trading)	E-mail (05-12-2019)	Nemai Consulting	A locality map was provided to the IAP.
63.	<p>Morning Donovan</p> <p>Thank you for all the info. Where can I find in all the attachments on the indicated website the following reports:</p> <ol style="list-style-type: none"> 1. Ground Water Assessment Report 2. Agriculture Impact Assessment Report. 	H. Ross	E-mail (05-12-2019)	Nemai Consulting	The Agricultural Impact Assessment Report is contained in Appendix H1. A separate environmental assessment process will be undertaken for the proposed abstraction of groundwater at the Source Development Area (SD) 1 and SD2. Hence, the Groundwater Assessment has not been included in this report.
64.	<p>ACKNOWLEDGEMENT OF RECEIPT OF THE AMENDED BASIC ASSESSMENT REPORT FOR THE PROPOSED VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME (VGRWSS) PHASE 2: UPGRADE OF THE EXISTING SCHEME.</p> <p>The Department confirms having received the Amended Basic Assessment Report for the abovementioned project on 04 December 2019. You have submitted these documents to comply with the National Environmental Management Act, 1998 (Act No. 107 of 1998) Environmental Impact Assessment Regulations, 2014 published under Government Notice R982 in Government Gazette No. 38282 dated 04 December 2014, as amended ("the EIA Regulations, 2014")</p> <p>Please take note of Regulations 40(3) of the EIA Regulations, 2014, as amended, which states that potential interested and 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, 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.</p>	DEFF	Letter (06-12-2019)	Nemai Consulting	Acknowledgement received.

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	You are hereby reminded of Section 24F of the National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended, that no activity may commence prior to an Environmental Authorisation being granted by the Department.				
65.	Hi Donavan. Could please give me reference to why I received this mail?	D. Ganz	E-mail (06-12-2019)	Nemai Consulting	Dear Mr Ganz. We compiled a database of potentially Interested and Affected Parties, which included parties from other databases. Our apologies for any inconvenience. Please let us know if we need to remove you from the mailing list.
66.	<p>COMMENTS</p> <p>As a member of the Northern Cape Mining Leadership Form (MLF) Technical Committee on the VGRWSS project and being familiar with the extend of the Vaal Gamagara Regional Water Supply Scheme (VGRWSS), please find below are a number of comments on the Phase 2 BAR Report:</p> <p>1. Executive Summary Page 1 Comment 1: 3rd paragraph: <i>"...the current scheme is operating at capacity and is not able to supply the increasing future water demands...And</i> <i>...the major driving force of the increased water demand is the future of iron ore and manganese mining operations."</i></p> <p>Referring to the VGRWSS Phase 2 as an "upgrade" is incorrect as the VGRWSS project needs to refer to the Phase 2 as a Replacement of the existing VGRWSS infrastructure.</p> <p>Note that:</p> <ol style="list-style-type: none"> 1. Sedibeng Water publically stated that the capacity of the VGRWSS is 26 million m³/a; 2. Studies undertaken by SLR and Sedibeng Water in 2017 and 2018 confirmed that the current VGRWSS water demand is around 22 million m³/a, made up of 13 million m³/a supplied from the Vaal River, with the balance supplied from mine dewatering schemes. 3. The abovementioned SLR and Sedibeng Water studies also confirmed that the maximum expected water demand between 2018 to 2043 is around 25 million m³/a; 	C. Moolman (Assore)	Reply Form (09-01-2020)	<p>Pro-Plan / Sedibeng Water</p> <p>Pro-Plan / Sedibeng Water</p> <p>Pro-Plan / Sedibeng Water</p> <p>Pro-Plan / Sedibeng Water</p> <p>Pro-Plan / Sedibeng Water</p> <p>Pro-Plan / Sedibeng Water</p> <p>Pro-Plan / Sedibeng Water</p> <p>Nemai Consulting</p>	<ol style="list-style-type: none"> 1. Pro-Plan Consulting Engineers have been appointed to design various components on the project. Some require replacement, some require upgrading and some infrastructure will be new. Pro-Plan cannot refer to replacement, upgrading and new when describing the project. The appointment is for "The upgrade of the existing Vaal Gamagara Regional Water Supply Scheme" 2. No response required. 3. No response required. 4. No response required. 5. Only SD1 and SD2 included in Pro-Plan appointment for Phase 2. SD4 however is included for overall project planning and water balances. 6. No response required. 7. SD 1 and 2 not excluded from project. A separate process are followed for the application. 8. Refer to response provided by Socio-Economic Specialist to Section C, row no. 19 above.

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	<p>4. The SLR and Sedibeng Water studies also confirmed that the current VGRWSS water demand is made up by a combination of Mine Water demand estimated at 56% and the Social Requirements accounting for approximately all of the remaining 44%.</p> <p>2. Comment 2: 3rd paragraph: <i>"...these mines in the Northern Cape produce 84% of South Africa's iron ore and 92% of the world's high-grade manganese deposits are in the Kalahari basin."</i></p> <p>The above statement is incorrect and needs to be verified and quoted with the corresponding accredited references.</p> <p>Note that:</p> <ol style="list-style-type: none"> 1. The Northern Cape produces almost all the iron ore in South Africa. Reference: The Department of Mineral and Energy (DMR&E) 2. SA hosts about 75% of the world's identified manganese resources, Reference: DMR&E. <p>3. Comment 3: 4th paragraph: <i>"...total collapse in water supply will probably happen in the next 5 years if the infrastructure is not replaced/rehabilitated."</i></p> <p>Discussion between Sedibeng Water, Proplan and MLF at the Technical and Institutional Workshop held on 29 Oct 2019 and at the VGRWSS Steering Committee Meeting held on 30 Oct 2019 and thereafter, confirmed that:</p> <ol style="list-style-type: none"> 1. Only sections of the VGRWSS pipeline is at risk of collapsing and not the full scheme and that the remaining sections of the pipeline infrastructure is still in good condition; 2. Refurbishment of the bulk water infrastructure should be divided into sub-projects, and each sub-project should be phased and prioritised taking into consideration the following at-risk principles: <ol style="list-style-type: none"> a. Those sections of the scheme that is most at risk of collapse; b. The optimal utilization of the ground water (dewatering) from mines to reduce the water demand placed on the Vaal River system; c. Technical complexity of the sub-project on time and schedule; 				

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	<p>d. Affordability / cashflow availability.</p> <p>3. Considering the learnings from the VGRWSS Phase 1, where a combination of the contractor's ability and funding availability capped the quantum of project work that could be performed to around R250 – R350mil per annum.</p> <p>Note:</p> <ol style="list-style-type: none"> 1. Scheduling the project work on an at-risk basis will prioritize the refurbishment work required to ensure water supply security is maintained. 2. The at-risk refurbishment of the VGRWSS Phase 2 could mitigate some material commercial constraints in the existing off-take agreements being negotiated between Sedibeng Water the MLF and could make available much needed funding to maintain the Phase 2 work. <p>4. Project Description Comment 5: Project Description, page 11</p> <p>Under the heading: "Project Description", reference should be made to the independent 3rd party review done on VGRWSS.</p> <p>The MLF appointed Stobart Consulting Engineers (SLR) to conduct an independent 3rd Party review of the VGRWSS Project in 2017. The independent review included a review of the technical and cost estimate on the VGRWSS project, the augmentation of the water supply from the Vaal River, SD wellfields and mining ground water. Key observations were:</p> <ol style="list-style-type: none"> 1. Supply volumes: Reduced from 40 Mkl/a to 25 Mkl/a; 2. Capital Cost: Reduced from R12,8 billion to R8,7 billion; 3. Phase 2 is a refurbishment project at current supply levels rather than the proposed upgrade of bulk water supply infrastructure. <p>5. Comment 6: Sub-Projects</p> <p>The proposed sub-project work plan outlined on page 28 does not identify the cost and duration of each of the proposed sub-projects. The project design is based on the upgrade and not the refurbishment of the existing scheme.</p>				

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	<p>The current design is also not optimally utilizing the ground water (dewatering) that is available from mines, nor incorporating SD well sites 3 & 4.</p> <p>It is recommended that:</p> <ol style="list-style-type: none"> 1. The technical design specifications of the bulk water infrastructure need to be optimized to substation the current water supply levels; 2. The technical design should incorporate all the SD well sites, including SD 1, 2, 3 and 4. The developed of the well sites should be phased such that it augments the mine dewatering risks and addresses community concerns. 3. The sub-project work plan should identify the scope, cost and duration of each of the proposed sub-projects; 4. The proposed sub-projects be scheduled according to the at-risk principles applicable to the Phase 2 refurbishment of the bulk water supply infrastructure. <p>6. Comment 7: Financial Provision, page 56: <i>"...there will be sufficient funds available to ensure the project can be successfully completed."</i></p> <p>Funding has not been secured.</p> <p>Sedibeng Water requires participating mining companies to fund 56% of the VGRWSS project, with government funding the remaining 44%. To secure the funding for Phase 2, Sedibeng Water and the mines are finalising an offtake agreement (OTA) which aims to recoup the capital investment over a 25 year period on a user pay principle. The OTA is +98% complete. There are three outstanding Conditions Precedent, of which the short life mines (reserves less than the 25 years) poses the biggest funding risk to the project.</p> <p>Miens with short lives are unable to sustain the capital user charge contributions over the proposed 25 year repayment period. To recoup the investment through accelerated payments are also unaffordable and could force premature mine closures and lead to job losses. The short life mines may raise a potential R1.9 bn, or 22% funding exposure on the VGRWSS.</p>				

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	<p>The MLF's proposals are:</p> <ol style="list-style-type: none"> 1. On the "mines with short lives" & "debt liabilities in the event of sustained & materially adverse market developments" is that as the project owners, Treasury, DWS & Sedibeng Water need to stand in as guarantor(s) of last resort. 2. In the absence of government standing in as the guarantor, that the alternative funding proposal aims to secure funds over a 2 to 3 year rolling period to execute the sub-projects on a phased approach. 3. A Steering Committee, consisting of Sedibeng Water, National Treasury, Department of Water and Sanitation, Provincial and mining representatives is established to oversee the project execution and governance. <p>7. Comment 8: SD well sites 1, 2 and 3, 4 pages 143:</p> <p>The SD well sites 1 and 2 should form part of the Project Description and this EIA. It's potential to be developed or not has a material impact on the project design, capital estimate and project risk.</p> <p>Well sites 3 and 4 are currently excluded from the VGRWSS Project. SD well sites 3 and 4 should be investigated as alterative ground water sources and included in the revised sub-project scope, schedule and cost estimate. These well sites are also outside community sensitive areas (which is the care for SD 1 and 2) and has a higher likelihood to augment the VGRWSS water supply.</p> <p>8. Comment 9: Socio-Economic Impact Assessment, page 130</p> <p>This section is out of date. More up to date information is available via Minerals Counsel of South Africa, the MLF and the DMRE etc.</p>				
67.	<p>KAMFERSDAM – HOTAZEL: NOTICE OF REVIEW OF DBA – PROPOSED VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME PHASE UPGRADING OF EXISTING SCHEME.</p> <p>Your e-mail dated 26th August 2019 refers.</p> <p>Civil:</p>	R. Karriem (Transnet)	Letter (09-01-2020)	Pro-Plan	No response required.

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	<p>Our office has no objection to the proposed upgrade scheme. Should there be the need for crossings to the zones, please ensure that the applicant officially apply for a wayleave agreement in that regard. Care should also be given to possible storm water flow to and from our railway lines. A site visit should also be arranged prior to the crossing as supervision and protection will be needed. If it is a water pipe then natural cathodic protection should be installed.</p> <p>The following documents are also attached for your further attention, please. TFR REQUIREMENTS FOR PIPE JACKING / DIRECTIONAL DRILLING</p> <p><u>Transnet Property:</u> Ref: LS.BFX.25/5/190 It should be noted that Transnet will be affected in some instances where the pipe is crossing Transnet land as per attached images. From a Geo-Spatial perspective, we would like to request that all TFR cadastral boundaries must be protected at all times. In case of a disturbance of any boundary beacons, this office must be notified immediately allowing for prompt corrective action to be taken.</p> <p>This office has no objection to the proposal. From the application to the proposed area is adjacent to the Transnet land and we only hereby wishes to draw your attention to Section 48 (1) of the Minerals and Petroleum Resources Development Act, 2002 which stipulated as follow:</p> <p>“48. (1) Subject to section 20 of the National Parks Act, 1976 (Act No. 57 of 1976), and subsection (2), no reconnaissance permission, prospecting right or mining permit may be issued in respect of – (a) land compromising a residential area; (b) any public road, railway or cemetery; (c) any land being used for public or government purposes or reserved in terms of any other law; or (d) areas identified by the Minister by notice in the Gazette in terms of section 49.”</p>				

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	<p>As far as the adjacent properties to the railway line is concerned, your attention is drawn to Regulation 17 (6) (a) of the Mine Health and Safety Act, 1996 which determines that no mining operations may be carried out under or within a horizontal distance of 100 meters from buildings, roads, railways, reserves etcetera's.</p> <p>Transnet Freight Rail would however, like the opportunity to re-evaluate our position with regards to this proposal once final plans have been prepared.</p>				
68.	<p>I would like my two boreholes and water well's water levels to be measured before VGRWSS upgrade begins.</p> <p>If the water levels are decreased by water abstraction (Postmasburg / Gennhaven) during VGRWSS upgrade, I want to know if VGRWSS will provide water for me or supply my boreholes with necessary equipment if existing pumps will not suffice.</p> <p>See attached page for plot layout and boreholes / well. Boreholes marked X and H and well marked Z.</p>	W. Britz	Comment Sheet (20/01/2020)	Nemai Consulting	Comment pertains to SD1 and SD2 and will be addressed as part of the separate EIA process.
69.	<p>Good day Donovan, It is already late in January to wish you a prosperous new year, but we hope anyway that it will be a good year for you. I just want to inform you that my phone number has changed, it is now 0723034235. Long story, but it also caused me to get no emails since late November. So if you have any notifications or sent information since November, I would very much like to ask if you would be kind enough to send it to me again. I would not like to miss a meeting or lose information as a result. Sorry for the extra work and effort. Thanks in advance.</p>	C. York	Email (20/01/2020)	Nemai Consulting	The database was updated with the IAP's latest contact details.
70.	<p>COMMENTS ON THE AMENDED 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 amended Draft Basic Assessment Report (BAR) dated November 2019, received by the Department on 04 December 2019 and acknowledged on 06 December 2019, refer.</p> <p><u>This letter serves to inform you that the following information must be included to the Final BAR</u></p>	DEFF	Letter (23/01/2020)	Nemai Consulting	a) As provided in Section 5.2.10 <i>First Order Cathodic Protection & AC Mitigation</i> in the BAR, for sections where the proposed pipeline route runs parallel to and crosses (a) existing and proposed future high voltage power line routes, and (b) electrified railway lines, cathodic protection and AC mitigation will be necessary. Impacts to existing structures and infrastructure is provided in Section 19.14 in the BAR. Mitigation measures for impacts to existing structures and infrastructure during the construction phase is provided in Section

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	<p>a) Page 23 of the report indicates that there are areas where the proposed pipeline route will run parallel to and cross, (a) existing and proposed future high voltage power line routes, and (b) electrified railway lines. The aforementioned areas must be identified and all potential impacts which may arise, as a result of the proposed development, must be clearly identified and mitigation measures provided. The aforementioned information must form part of the final EMPr.</p> <p>b) You have applied for (02) activities, Activity 14 of GN R.983 (as amended) and Activity 10 of GN R.985 (as amended), that are similar but have different thresholds. Kindly ensure that only the correct and specific listed activity is included in the final BAR, as per the estimated quantity of the dangerous goods that will be stored within your facility.</p> <p>c) You are requested to provide the length and width of the access roads for the following listed activities: Activity 56 and 4 and 18 of GN R.983 and 985, respectively.</p> <p>d) You are reminded to ensure that all project descriptions provided, for all listed activities, can be linked to the activities applied for.</p> <p>e) You are further reminded to provide proof to show that the registered interested and affected parties and organ of states received written notification of the proposed activities, as per the requirements of regulation 41 (2) (b) of the EIA Regulations, 2014. This proof may include any of the following:</p> <ul style="list-style-type: none"> ➤ E-mail delivery reports; ➤ Registered mail receipts; ➤ Courier waybills; ➤ Signed acknowledgements of receipt, and/or any other proof as agreed upon by the competent authority. <ul style="list-style-type: none"> • Please ensure that all issues raised and comments received during the circulation of the draft BAR from registered I&APs and organs of state which have jurisdiction (including this Department's Biodiversity and Conservation Branch) in respect of the proposed activity are adequately addressed in the final BAR. • Proof of correspondence with the various stakeholders must be included in the final BAR. Should you be 				<p>12.4.4 <i>Management of Existing Structures and Infrastructure</i> of the EMPr (Appendix I of the BAR).</p> <p>b) The estimated quantity of dangerous goods (i.e. diesel) to be stored during construction should not be more than 30 000 litres (30m³) at any point in time. This is assuming 3 contractors/camps with 10 000 litre tank per site. Hence, only Activity 10 of GN R.985 (as amended) is relevant.</p> <p>c) A permanent access road will be required along the 210 km main pipeline, within the permanent servitude. This will be an all-weather road, which is not wider than 3 m. Where possible, the temporary access roads will attempt to follow existing tracks and farms roads.</p> <p>d) Refer to Table 7, Section 8 of the BAR which provides a description and the relevance of each listed activity applied for.</p> <p>e) All proof of written notification to IAPs is included in Appendix E2 (Announcement Phase), Appendix F2 (Review of Draft BAR), and Appendix G1 (Second Review of Draft BAR) of the BAR.</p> <p>All issues raised and comments received during the first review period (refer to Appendix F4 of the BAR) and second review period (refer to Appendix G3 of the BAR), have been appended to the BAR. The CRR has been continuously updated to include all comments received during the review periods, and the latest version is contained in Appendix G4 of the BAR.</p> <p>All proof of correspondence is included in Appendix E (Announcement Phase), Appendix F (Review of Draft BAR), and Appendix G (Second Review of Draft BAR) of the BAR. The public participation process was conducted in terms of Regulation 39, 40, 41, 42, 43 and 44 of the EIA Regulations, 2014, as amended.</p> <p>The final BAR addressed all comments received from DEFF in relation to the proposed development. All comments</p>

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	<p>unable to obtain comments, proof should be submitted to the Department of the attempts that were made to obtain comments. The public participation process must be conducted in terms of Regulation 39, 40, 41, 42, 43 and 44 of the Environmental Impact Assessment (EIA) Regulations, 2014, as amended.</p> <ul style="list-style-type: none"> The final BAR must comply with these comments and all other comments and conditions issued by the Department in relation to the proposed development. A Comments and Responses Report (C&R) must be submitted with the Final BAR. The C&R report must incorporate all comments for this development. Please note that a response such as "Noted" is not regarded as an adequate response to I&AP's comments. <p>f) The Specialists that conducted the independent Review of the specialist studies must submit the Specialist Declarations and undertaking under oath. This form is obtainable in the Department's website (www.environment.gov.za).</p> <p>g) Please also ensure that the final BAR includes the period for which the Environmental Authorisation is required and the date on which the activity will be concluded as per Appendix 1 (3) (1) (q) of the NEMA EIA Regulations, 2014, as amended.</p> <p><u>General</u> Please ensure that the BAR, specialist studies and EMPr comply with all 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)(d) and (f) of GN R. 982 (as amended).</p> <p>You are further 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>				<p>issued by DEFF on the proposed development have been incorporated and addressed in the latest CRR, contained in Appendix G5 of the BAR.</p> <p>f) The specialist declarations and undertaking under oath of the specialists that conducted the independent review of the terrestrial and socio-economic specialist studies, have been included in the BAR. Refer to Appendix H7 for a copy of all specialist declarations.</p> <p>g) Section 12 of the BAR includes the period for which the Environmental Authorisation is required, and the date on which the activity will be concluded as per Appendix 1 (3) (1) (q) of the NEMA EIA Regulations, 2014, as amended.</p> <p><u>General</u> The BAR complies with the requirements of Appendix 1 of the 2014 EIA Regulations, as amended (refer to the document roadmap in Section 2, Table 1 of the BAR). All specialist studies comply with Appendix 6 of the 2014 EIA Regulations, as amended. The EMPr (Appendix I) complies with Appendix 4 of the 2014 EIA Regulations, as amended (refer to Section 2, Table 1 of the EMPr).</p> <p>Provision is made in the EMPr for impact management outcomes (including management objectives and targets) and impact management actions as per Appendix 4 1(1)(d) and (f) of GN R. 982 (as amended).</p>
71.	<p><u>Final Comment</u> The following comments are made as a requirement in terms of section 3(4) of the NEMA Regulations and section 38(8) of the NHRA in the format provided in section 38(4)</p>	N. Higgitt (SAHRA)	Letter (24/01/2020)	Nemai Consulting	All recommendations provided by SAHRA were incorporated into the EMPr (Appendix I of the BAR), specifically Section 12.4.23 <i>Management of Heritage and Palaeontological Features</i> .

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	<p>of the NHRA and must be included in the Final BAR and EMPr:</p> <ul style="list-style-type: none"> • 38(4)a – The SAHRA Archaeology, Palaeontology and Meteorites (APM) Unit and Burial Grounds and Graves (BGG) Unit has no objections to the proposed development; • 38(4)b – The recommendations of the specialists are supported and must be adhered to. Additional specific conditions are provided for the development as follows: <ul style="list-style-type: none"> • No go buffer zone of 30 m must be maintained around the two identified burial grounds of high significance and the four Stone Age sites of medium significance; • If it is not possible to avoid the Stone Age sites, a permit in terms of section 35 of the NHRA and Chapter II and III of the NHRA Regulations must be applied for from SAHRA prior to construction occurring. No construction may occur without a permit issued in this regard; • If it is not possible to avoid the burial grounds, a social consultation process in terms of section 36 of the NHRA and Chapter XI must be undertaken; • If relocation of the burials is found to be feasible, along with a full Phase 2 relocation application process including the application of a permit from SAHRA in terms of section 36 and Chapter II and IX of the NHRA must be adhered to in this regard. No relocation of burials may occur without a permit issued in this regard; • The grave site marked as “Kilm Graves 2” is located approximately 70 m from the edge of the proposed development area. The distance of 70 m from the grave site must be maintained and no encroachment of the development may occur; • 38(4)c(i) – If any evidence of archaeological sites or remains (e.g. remnants of stone-made structures, indigenous ceramics, bones, stone artefacts, ostrich eggshell fragments, charcoal and ash concentrations), fossils or other categories of heritage resources are found during the proposed development, SAHRA APM Unit (Natasha Higgitt/Phillip Hine 021 462 5402) must be alerted as per section 35(3) of the NHRA. Non-compliance with section of the NHRA is an offense in 				<p>The Final BAR and EMPr will be submitted to SAHRA for record purposes.</p> <p>The Environmental Authorisation, if granted, will be provided to SAHRA and uploaded to the SAHRIS Case application (14233).</p>

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	<p>terms of section 51(1)e of the NHRA and item 5 of the Schedule;</p> <ul style="list-style-type: none"> • 38(4)c(ii) – If unmarked human burials are uncovered, the SAHRA Burial Grounds and Graves (BGG) Unit (Thingahangwi Tshivhase/Mimi Seetelo 012 320 8490), must be alerted immediately as per section 36(6) of the NHRA. Non-compliance with section of the NHRA is an offense in terms of section 51(1)e of the NHRA and item 5 of the Schedule; • 38(4)d – See section 51(1) of the NHRA; • 38(4)e – The following conditions apply with regards to the appointment of specialists: <ul style="list-style-type: none"> • i) If heritage resources are uncovered during the course of the development, a professional archaeologist or palaeontologist, depending on the nature of the finds, must be contracted as soon as possible to inspect the heritage resource. If the newly discovered heritage resources prove to be of archaeological or palaeontological significance, a Phase 2 rescue operation may be required subject to permits issued by SAHRA; • The Final BAR and EMPr must be submitted to SAHRA for record purposes; • The decision regarding the EA Application must be communicated to SAHRA and uploaded to the SAHRIS Case application. <p>Should you have any further queries, please contact the designated official using the case number quoted above in the case header.</p>				
72.	<p>Based on the available information that we accessed via the link to the Nemaï website we have the following comments regarding Phase II which is only relating to the replacement of the existing main Vaal-Gamagara pipeline:</p> <p>The reports related to the Phase II is still very generic (broad project based) at this stage. We as landowners need to know the detailed impact that the pipeline construction will have on our property with specific reference to:</p> <p>a) Potential deviations, if any, on the existing servitude width and requirements (both before, during and after construction).</p>	P. Kilian	Comment Sheet (26/01/2020)	<p>Pro-Plan</p> <p>Pro-Plan</p>	<p>a) Pipeline will be constructed within the existing servitude as far as possible (No impact on land owner before or after construction). A temporary wider construction servitude will be required during construction and will be negotiated with individual land owners. This can typically be up to 20 meters.</p> <p>b) Permanent servitude will not move. Should construction servitude infringe other services/servitudes it will be dealt with to not cause a significant impact. Construction servitude can be limited to a minimum width over a short distance but it is not ideal.</p>

NO.	COMMENT/ QUERY/ ISSUE	RAISED BY	SOURCE & DATE	RESPONSE FROM	RESPONSE
	<p>b) Possible infringement to other servitudes located next to and/or near the main water pipeline on our property.</p> <p>c) Planned position and size of any borrow pit/s for the pipeline construction phase on our property.</p> <p>d) Some of the reports refer to working areas of up to 100m wide for the pipeline construction. We will not agree to such a wide area over our property.</p> <p>e) Rough indication of the construction program related to our property. (i.e. when will construction more or less start, how long will it take, and what impact regarding access etc. will it have.</p> <p>f) We have serious concerns regarding access control, safety and livestock theft on our property during the construction phase.</p>			Pro-Plan	c) Borrow pits will only be investigated during geotechnical investigation early in 2020.
				Nemai Consulting	d) As noted in Section 5.2.4 of the BAR, the study area for the EIA included at least an 80 m corridor (i.e. 40 m on either side of the centre line) for the pipeline, which allows for possible deviations from the proposed alignment within this corridor during the design phase (e.g. avoidance of sensitive features, if possible). It is anticipated that the construction servitude will be 40 m wide. The working area will thus not be 80 m.
				Pro-Plan	e) Construction of the pipeline between Trewill pump station and Clifton reservoirs are estimated to take place between April 2023 and March 2025. Access should not be restricted along the railway line. Should there be an access related problem temporary access will be provided by the contractor.
				Nemai Consulting	<p>f) All mitigation measures regarding access control and safety during the construction phase, have been provided in the EMPr (Appendix I of the BAR). Specific sections in the EMPr are as follows:</p> <ul style="list-style-type: none"> • Section 12.4.1 <i>Management of Security</i>; • Section 12.4.4 <i>Management of Existing Structures and Infrastructure</i>; • Section 12.4.5 <i>Management of Access and Traffic</i>; and • Section 12.4.6 <i>Fencing Arrangements</i>.
73.	<p>Mr Henning indicated at the advertised meeting of 3 September 2019 that a separate BA process is underway for the proposed groundwater abstraction at SD2 area at Postmasburg. As this meeting turned out to be invitation only, myself and twenty one property owners that will be effected by the proposed SD2 groundwater abstraction scheme was deliberately denied participation in a legal required public participation in the review of the Draft Basic Assessment Report.</p> <p>Deliberately because one of the owners, which was nominated by most of us to represent us in this SD2</p>	H. Vlok	Comment Sheet (26/01/2020)	Nemai Consulting	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
	<p>meetings, was assured by Mr Henning by e-mail that he will notify him of the next meeting.</p> <p>Some of the items that would have been raised by us at the meeting:</p> <ol style="list-style-type: none"> 1. In a meeting on the 10 April 2019 we as owners of small holdings along Groenwater river was assured by Golder representative that the water pumping will have no effect on our groundwater levels as we are situated in a different aquiver. Now it appears that some twenty properties will be effected in that their water level in that area will decline up to eight meters over the next ten years. With the water not very deep along the river, most household water boreholes is not very dep and can dry up. The other effect will be that all the wetland areas along the basin of the river will dry up resulting in loss of higher capacity grazing vegetation. Fruit trees growing by only using this shallow ground water will also be adversely effected. All properties along the river will probably be effected. 2. In the same 10 April meeting I personally was assured by the same person that there is no possibility of sinkholes in that area. After the meeting S. van Niekerk raised the same concern about the developing of sinkholes. Mr D. Henning then explained that the risk of sinkholes will be investigated. As any sinkholes will result in loss of life, this investigation is very important to the small holding owners. I feel the public participation period cannot be completed without an assessment of this matter. 3. The land owners borehole locality map – Postmasburg municipality (in appendix E) show less than estimated 30 percent of the boreholes in that area. This will explain the confusion every time borehole surveys or monitoring is mentioned in passed meetings. 4. I can only hope that not including more than twenty five household water supply boreholes was done to minimise the reported damage possible by extraction of water in this area. <p>I hope we can resolve this matter with further discussions.</p>				

APPENDIX G5

DATABASE OF AUTHORITIES, STAKEHOLDERS, LANDOWNERS AND REGISTERED
IAPS

VGRWSS-II: Upgrade of Existing Scheme - Authorities Database						
Organisation	Name	Designation	Telephone	Fax	Cell	Email
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DEFF: Biodiversity	Stanley Tshitwamulomoni	Biodiversity Conservation	012 399 9587			Stanley.T@environment.gov.za
DEFF: Biodiversity	Seoka Lekota					slekota@environment.gov.za
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DEFF	Bongeka Ngcoliso	Integrated Environmental Authorisations: IPS & S24G	012 399 9376			BNgcoliso@environment.gov.za
DEFF	Simangaliso Jiyane		012 399 9247			zmakhosayafana@environment.gov.za
	Zesipho Makhosayafana	Case Officer	012 399 8741			sjiyane@environment.gov.za
DEFF	Bongeka Mtyana		012 399 9376			BMtyana@environment.gov.za
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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 Sbangile Van Damme	Chief Executive Officer	021 462 4502	021 462 4509		svandamme@sahra.org.za
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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
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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
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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
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South African National Biodiversity Institute (SANBI)	John Dini	Director: Freshwater Systems	012 843 5192	012 420 7988		dini@sanbi.org , U.Badhur@sanbi.org.za

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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
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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
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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
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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
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VGRWSS-II: Upgrade of Existing Scheme - General Stakeholders Database

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Eskom						
Eskom						
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Agri Postmasburg	Estie de Beer	Secretary				agripostmasburg@gmail.com
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Daniëlskuil Agricultural Society	S. Weideman		053 384 1333		083 262 5343	sarel@wsinet.co.za
Steyn Boerdery Trust			053 384 0906; 053 385 2424		083 289 2550; 083 281 2040	tersias@petradiamonds.com
KLK Landbou Limited	Piet van Zyl	Daniëlskuil	053 384 0034		082 288 1048	danielskuil@klk.co.za ; admin@klk.co.za
KLK Landbou Limited	Ryno Rall	Postmasburg	053 313 2111		082 283 6831	postmasburg@klk.co.za
Springvalley Agricultural Association	Johan Lambrechts		0533130417		0732409395	lampies55@gmail.com
Postmasburg/Langeberg Agricultural Union	Jan Schoeman	Chairperson	0533131849		0828206977	janman@mjvn.co.za
	Willie Uys				0845174913	wille.uys66@gmail.com
	Johan Gous				0824617968	jhgous2@gmail.com
Papkuil Boere Vereniging	C. York					ckyork@vodamail.co.za
Ghaap Landbou	A. J. Ford					fordfarming@nashuaisp.co.za
Berg Agri	B. Liebenberg					karolisdrift.bl@gmail.com
ENERGY SECTOR						
Jasper Solar (Solar Reserve Consortium)	Terence Govender		0115826888		083 449 0433	Terence.Govender@solarreserve.com
Lesedi Solar (Oakleaf)	Terence Govender		0115826889			
Lesedi Power Project			0112177420			
ENVIRONMENTAL SECTOR						
The Endangered Wildlife Trust (EWT)	Constant Hoogstad			011 372 3600		constanth@ewt.org.za
EWT	Dr Ian Little			011 372 3600		ianl@ewt.org.za
WESSA	Delana Eksteen				066 302 4584	delana@wessa.co.za
WESSA	Morgan Griffiths				072 417 5793	morgan.griffiths@wessa.co.za
WESSA	Suzanne Erasmus				082 849 7655	wessanc@yahoo.com ; info@wessa.co.za
Birdlife South Africa				011 789 1122		info@birdlife.org.za ; conservation@birdlife.org.za
Birdlife South Africa		Daniel Marnewick				daniel.marnewick@birdlife.org.za
Birdlife South Africa		Simon Gear				advocacy@birdlife.org.za
SANBI	John Dini	Director: Ecological Infrastructure				J.Dini@sanbi.org.za
SANBI	Kristal Maze	Chief Director: Biodiversity planning and policy advice				K.Maze@sanbi.org.za

MINING SECTOR					
Afrisam Ulco		Mine Manager	0535629100		
Afrisam Ulco		Environmental Manager			
Sishen Mine					nadia.williams@angloamerican.com
Anglo-American - Kolomela Mine					
Anglo-American	Ferdi Goussard			0836091023	ferdi.goussard@angloamerican.com
Anglo-American	Nadia Williams				nadia.williams@angloamerican.com
PPC Lime			053 385 8200		
PPC	Mashudu Dzivhani				Mashudu.Dzivhani@ppc.co.za
Khumani Iron Ore Mine-Assmang	Lucas Tloubatla		053 723 8299		Lucas.Tloubatla@assmang.co.za
Beeshoek Iron Ore Mine	Monica Fick		011 638 3636		monica.fick@angloamerican.com
Petra Diamonds Mine	Anton Bezuidenhout		053 385 2380 / 083 650 6326		anton.bezuidenhout@petradiamonds.com
Finsch Diamond Mine	Elrina Cilliers	Environmental Specialist	053 385 2377		Elrina.Cilliers@petradiamonds.com
Finsch Diamond Mine	Jodene de Villiers	Environmental Officer	053 385 2716		Jodene.deVilliers@petradiamonds.com
Finsch Diamond Mine	Braam Fourie	Environmental Monitor	053 385 2470		Braam.Fourie@petradiamonds.com
Finsch Diamond Mine	KB Chakela	Environmental Officer	053 385 2470		KB.Chakela@petradiamonds.com
Finsch Diamond Mine	Jaco Esterhuizen	Environmental Officer	053 385 2345		Jaco.Esterhuizen@petradiamonds.com
Assmang Limited - Black Rock Mine Operations	A Joubert	Chief Executive	079 515 5969		andre.joubert@arm.co.za
Assmang Limited - Black Rock Mine Operations	P. Becker	Senior General Manager	083 272 8538		piereb@brmo.co.za ; marinas@brmo.co.za
Assmang Khumani Iron Ore Mine	L. Meyer	Executive Operations: Northern Cape	082 925 3365		louis.meyer@arm.co.za ; alda.dubruyn@arm.co.za
Assmang Khumani Iron Ore Mine	D. Selemo	Senior General Manager	083 418 0392		david.selemo@assmang.co.za ; Dezlinn.Coetzee@assmang.co.za
Bishop Mine PMG Mining Pty Ltd	Mafhungo Maphiri	Environmental Manager	082 672 0497		mafhungo@pmgmining.co.za
Bishop Mine PMG Mining Pty Ltd	John Ross	Mine Manager	084 388 5608		ir@pmgmining.co.za
Black Mountain Mining Operations	K. Greyling	Business Controller	082 990 5412		kgreyling@vedantaresources.co.za
Black Mountain Mining Operations	B. Mahlangu	Financial Controller	054 983 9213		bmahlangu@vedantaresources.co.za
Hotazel Manganese Mines	M. Fraser	COO	011 376 2460		magda.coetzee@south32.net
Huatian SA Mining & Investment	Herbie van Rensburg	GM	053 723 9812		herbyvr@gmail.com
Kalagadi Manganese	Daphne Mashile-Nkosi	Chairperson	011 808 2000		info@kalagadi.co.za
Kalagadi Manganese	Thulo Malumise	Chief Executive Officer	011 808 2000		info@kalagadi.co.za
Kalagadi Manganese	Wonder Zwane	General Mine Manager	011 808 2000		info@kalagadi.co.za
Kolomela Mine	T Mkhwanazi	Chief Executive Officer	012 679 2014		susan.smith@angloamerican.com
Kudumane Manganese	T. Gantsho	Acting Chief Executive Officer	082 374 9791		thembelani.gantsho@kmr.co.za
Kudumane Manganese	Ceasor Nokwe	General Manager	053 742 3500		ceasor.nokwe@kmr.co.za
Morokwa Manganese Mine	S.C. Struck	Chief Executive Officer	011 786 1821		natmang@natmang.co.za
Petra Diamonds - Finch Mine	L. Roode	Chief Operating Officer	053 385 2364		luctor.roode@petradiamonds.com ; saron.hermanus@petradiamonds.com
Sishen Iron Ore	V. Maseko	GM	053 739 2027		vusi.maseko@angloamerican.com ; helga.jensch@angloamerican.com
Tshipi e Ntlw Manganese	F. Behnken	CEO	087 740 4967; 087 845 1368		office@tshipi.co.za ; jpleader@intekom.co.za
Timasani (PTY) LTD	Andre Johann Posthumus	Chief Executive Officer	078 264 9687		mbesig@gmail.com
United Manganese of Kalahari	Maphutha Adams	Commercial and Logistics Manager	011 217 2802		Maphutha.adams@umk.co.za
Southern Ambition 1549 (PTY) Ltd	Dick Wardle	General Manager	082 452 5172		dw@sitatunga.com
The Overberg Wind Power	Mr. DC Ganz		082 462 8472		ganz@keeper.co.za
Sedibeng Iron Ore	T Koaho		083 776 2590		tauk@seio.co.za
Wego Africa (PTY) Ltd	Mr. Willem		083 305 1317		willem@amggroup.co.za
Wego Africa (PTY) Ltd	Mr. Arie		082 490 1580		
Good Rock Plant	Andrew Blaauw		076 668 3519		andre@goodrock.co.za
Wepex Trading (PTY) Ltd	Nikolas Rhodes	Project Mining Engineer	082 717 2891		nikolas@glosam.co.za
Rahida Trading	Chris Nel		(+27) 51 436 5105		Chris.Nel@pearlgroup.co.za
Sibilo	Meshack Peu				meshack@sebiloresources.co.za
Mineral Explore Mining Solutions (Pty) Ltd	Nancy Machaba	Corporate Manager	(+27) 71 658 1006		nmashoto@gmail.com
Intertek Mineral Services			0115528149; 0764067686		
Langeberg Stone			0828078878		
Coastal Concrete			0827715540		
Afrimat	Mitsie Smit		0783864186		

Afrimat	Pieter De Wit	CFO	021 917 8840			Pieter.dewit@afriamt.co.za
Afrimat	M. Botha	Financial Manager	082 606 2676			Michael.botha@afriamt.co.za
RESEARCH SECTOR						
Water Research Commission	Eiman Karar		012 330 0340	012 331 2565	082 806 3807	eimank@wrc.org.za
Water Research Commission	Wandile Nomqophu	Research Manager	012 330 9069	012 331 2565	083 290 7243	wandilen@wrc.org.za
Water Research Commission	Bonani Madkizela	Research Manager	012 330 0340	012 331 2565		bonanim@wrc.org.za
Water Research Commission	Eberhard Braune		012 803 3527		083 3018183	ebraune@uwc.ac.za
DEVELOPMENT SECTOR						
NC Chamber of Commerce & Industry	Sharon Steyn	CEO	053 831 1081; 054 339 0664		083 457 8148	sharon@nocci.co.za ; info@nocci.co.za
OTHER						
Lime Acres Animal Shelter					0766210698	
Go Car Wash					0827024252; 0824152656	

VGRWSS-II: Upgrade of Existing Scheme - Landowner Database

Ollifantshoek Reservoir	Gloucester Reservoir	Clifton Reservoirs	Trewill PS	Kneukel PS	Deiportschoop WTW	SD2 Tertiary Pipeline	SD2 Secondary Pipeline	SD1 Tertiary Pipeline	SD1 Secondary Pipeline	Gloucester - Ollifants Pipeline	Clifton - Gloucester Pipeline	Trewill - Clifton Pipeline	Kneukel - Trewill Pipeline	Deiport - Kneukel Pipeline	SG Code	Farm Name	Portion	Owner	Address/Postal Address	Contact Number (Home)	Email/ Fax												
Affected (D = Directly / A = Adjacent)																																	
															A	C00700000000021800008	FARM 218	8	OSTIPROP 1155 PTY LTD (Gert and James Fa	P O BOX 105, ULCO, DIKGATLONG NU,	0828055666	gert@qlenross.co.za											
															D	C00700000000021800007	FARM 218	7	SEDIBENG WATER		0535629300												
															D	C00700000000021800006	FARM 218	6	SEDIBENG WATER		0535629300	Omasiva@sedibengwater.co.za											
															A	C00700000000021800005	FARM 218	5	AFRISAM PROPERTIES PTY LTD		011 670 5074/ 0822608474												
															A	C00700000000021800004	FARM 218	4	WARD FAMILIE TRUST														
															A	C00700000000021800003	FARM 218	3	AFRISAM PROPERTIES PTY LTD		011 670 5074/ 0822608474												
															D	C00700000000021800000	FARM 218	RE	BROEKSEUR BOERDERY CC	21 QUEENS STREET, HADISON PARK, KIMBERLEY, 8301	0828219466; 0538613255	celeste@riverfarm.co.za ; botma@riverfarm.co.za											
															A	C00700000000027900000	MOZIB 279	RE	GUILFORD LTD		0822608474	obrien.kim@mweb.co.za											
															D	C00700000000021700000	FARM 217	RE	BROEKSEUR BOERDERY CC	21 QUEENS STREET, HADISON PARK, KIMBERLEY, 8301	0828219466; 0538613255	celeste@riverfarm.co.za ; botma@riverfarm.co.za											
															D	C00700030000000400000	ERVEN 4		PF BOTHA		0538317751	francois.botma@za.amsat.com ; jaane.tedee@gmail.com											
															D	C00700000000021600003	FARM 216	3	HOLCIM SOUTH AFRICA PTY LTD		011 294 3330 / 0822067242												
															D	C00700000000021600002	FARM 216	2	Greg Weir	19 WAKEFORD AVENUE, BARKLY WEST, 8375	0832152714	gweir@mweb.co.za											
															A	C00700000000021600008	FARM 216	8	F de Jager		0824111439	francoisdej@outlook.com											
															D	C00700000000021500000	FARM 215	RE	GLEN STEYN		0792395365												
															D	C00700000000021500004	FARM 215	4	SEDIBENG WATER		053 562 9300	Omasiva@sedibengwater.co.za											
															A	C00700000000021500008	FARM 215	8	C & S HATTINGH FAMILIE TRUST		0825634001												
															A	C00700000000021500007	FARM 215	7	TRANSNET		053 838 3008												
															A	C00700000000021500006	FARM 215	6	TRANSNET		053 838 3008	Riaan.karriem@transnet.net											
															A	C00700000000021500001	FARM 215	1	TRANSNET		053 838 3008												
															D	C00700000000021400001	WELTEVREDEN 214	1															
															D	C00700000000021400002	WELTEVREDEN 214	2	TRANSNET		053 838 3008	Riaan.karriem@transnet.net											
															D	C00700000000021300002	FARM 213	2	C & S HATTINGH FAMILIE TRUST		0825634001												
															A	C00700000000021300003	FARM 213	3	TRANSNET		053 838 3008												
															A	C00700000000021300004	FARM 213	4	TRANSNET		053 838 3008	Riaan.karriem@transnet.net											
															D	C00700000000021300000	FARM 213	RE	KOOPMANSFONTEIN COMMUNAL PROP ASSOCIATION		073 757 2557 / 076 758 8471	gcnamies@gmail.com											
															D	C00700000000021200001	KOOPMANSFONTEIN 212	1	KOOPMANSFONTEIN COMMUNAL PROP ASSOCIATION		073 757 2557 / 076 758 8471												
															A	C00700000000021200004	KOOPMANSFONTEIN 212	4	TRANSNET		053 838 3008	Riaan.karriem@transnet.net											
															A	C00700000000021200005	KOOPMANSFONTEIN 212	5	TRANSNET		053 838 3008												
															A	C00700000000021200007	KOOPMANSFONTEIN 212	7	KOOPMANSFONTEIN COMMUNAL PROP ASSOCIATION		073 757 2557 / 076 758 8471	gcnamies@gmail.com											
															A	C00700000000021200009	KOOPMANSFONTEIN 212	9	KOOPMANSFONTEIN COMMUNAL PROP ASSOCIATION		073 757 2557 / 076 758 8471												
															A	C00700000000021200010	KOOPMANSFONTEIN 212	10	GRIEKWALAND WES KORP LTD (Johannes Hendrik Coetzee)	1 LONG STREET, KIMBERLEY CENTRAL, KIMBERLEY, 8301	0837011512	hencoebroedery@gmail.com											
															D	C00700000000037700000	FARM 377	RE	KOOPMANSFONTEIN COMMUNAL PROP ASSOCIATION		073 757 2557 / 076 758 8471												
															A	C00700000000037800000	FARM 378	RE	KOOPMANSFONTEIN COMMUNAL PROP ASSOCIATION		073 757 2557 / 076 758 8471	gcnamies@gmail.com											
															A	C00700000000021100006	FARM 211	6	KOOPMANSFONTEIN COMMUNAL PROP ASSOCIATION		073 757 2557 / 076 758 8471												
															D	C00700000000021000000	FARM 210	RE	KOOS VAN DER RYST		0833037926												
															D	C00700000000023900000	FARM 239	RE	DIRK VAN DER MERWE FAMILIE TRUST (Diederik vd Merwe)		0824938591; 0534441992												
															D	C00700000000024000000	FARM 240	RE	AUCAMP TRUST (Johan Aucamp)		0833032072, 0528629411	swartpit@telkomsa.net											
															A	C00700000000020900004	ROOIGRAVEL 209	4	DIE ROOIGRAVEL TRUST (Diederik vd Merwe)		0824938591	bertievh@gmail.com											
															D	C00700000000024100000	FARM 241	0	VAN ZYL EN SUSSANA SCHOLTZ	MIDDELPOS GASTELAARS, DANIEL SKULU, 8405	0536010913, 0820855726	middelposquestfarm@gmail.com											

Ollifantshoek Reservoir	Gloucester Reservoir	Clifton Reservoirs	Trewill PS	Kneukel PS	Deiportschoop WTW	SD2 Tertiary Pipeline	SD2 Secondary Pipeline	SD1 Tertiary Pipeline	SD1 Secondary Pipeline	Gloucester - Ollifants Pipeline	Clifton - Gloucester Pipeline	Trewill - Clifton Pipeline	Kneukel - Trewill Pipeline	Delp - Kneukel Pipeline	SG Code	Farm Name	Portion	Owner	Address/Postal Address	Contact Number (Home)	Email/ Fax									
Affected (D = Directly / A = Adjacent)																														
														D	C007000000002690000	FARM 269	RE	DIE SMITSHOOP TRUST (Diederik vd Merwe)		0824936591, 0624444002										
														D	C007000000002670000	FARM 267	RE	Gerhard Niewoudt		0825681707										
														A	C007000000002670002	FARM 267	2	TRANSNET		053 838 3008	Riaan_karriem@transnet.net									
														D	C007000000002660003	FARM 266	3	J A & B J VISSER TRUST		0630066493, 0760747270	electrocool@telkomsa.net									
														A	C007000000002660002	FARM 266	2	TRANSNET		053 838 3008	Riaan_karriem@transnet.net									
														A	C007000000002660001	FARM 266	1	TRANSNET		053 838 3008	Riaan_karriem@transnet.net									
														D	C007000000002980003	FARM 298	3	WILLEM / MAGDALENA FOURIE	P O BOX 231, DANIELSKUIL, 8405	0824643790;	fourie.mg@gmail.com									
			A											A A	C007000000002990001	FARM 299	1	TRANSNET			Riaan_karriem@transnet.net									
			A											A D	C007000000002990002	FARM 299	2	N/A												
			D											D A	C007000000002990004	FARM 299	4	SEDIBENG WATER			Omasiva@sedibengwater.co.za									
														D A	C007000000002990006	FARM 299	6	BONA-CORD TRUST (Willem/Magda Fourie)	P O BOX 231, DANIELSKUIL, 8405	0824643790;	fourie.mg@gmail.com									
														D	C007000000002990003	FARM 299	3	Hannie Du Plessis		0828256010;	johannaduplessis@yahoo.com									
														D	C007000000003000004	FARM 300	4	THEUNS VERMEULEN	P O BOX 37, LIME ACRES, 8410	0828735373, 0720000207	tcbvermeulen@yahoo.com									
														A	C007000000003000006	FARM 300	6	ESKOM			Vgenseal@eskom.co.za									
														A	C007000000003000001	FARM 300	0	TRANSNET		538 383 008	Riaan_karriem@transnet.net									
														D	C0310000000045800016	CARTER BLOCK 458	16	P J KILIAN PTY LTD		0836266813	Riaan_karriem@transnet.net									
														A	C0310000000045800059	CARTER BLOCK 458	59	TRANSNET		053 838 3008	genekilian@gmail.com ; phkilian@isat.co.za ;									
														D	C0310000000045800003	CARTER BLOCK 458	3	WILLEM CLOETE		0538339206, 0824676460	Riaan_karriem@transnet.net									
														A	C0310000000045800007	CARTER BLOCK 458	7	RIVERWALK TRADING 303 CC		0829252072	pjbenson78@gmail.com									
														D	C0310000000045800008	CARTER BLOCK 458	8	SILVERSTREAMS TRUST (Johan Faist)		0832347249	faihsti@gmail.com									
														A	C0310000000045800058	CARTER BLOCK 458	58	TRANSNET		053 838 3008										
														A	C0310000000045800057	CARTER BLOCK 458	57	TRANSNET		053 838 3008										
														A	C0310000000045800066	CARTER BLOCK 458	66	TRANSNET		053 838 3008										
														A	C0310000000045800067	CARTER BLOCK 458	67	TRANSNET		053 838 3008										
														A	C0310000000045800068	CARTER BLOCK 458	68	TRANSNET		053 838 3008	Riaan_karriem@transnet.net									
														A	C0310000000045800069	CARTER BLOCK 458	69	TRANSNET		053 838 3008										
														A	C0310000000045800070	CARTER BLOCK 458	70	TRANSNET		053 838 3008										
														A	C0310000000045800009	CARTER BLOCK 458	9	TRANSNET		053 838 3008										
														A	C0310000000045800010	CARTER BLOCK 458	10	TRANSNET		053 838 3008										
														A	C0310000000045800028	CARTER BLOCK 458	28	P P C LIME LTD		0533858200 ; 0533858272; 082 776	con.schoombie@ppc.co.za ; mashudu.dzivhani@ppc.co.za ;									
														D	C0310000000045800011	CARTER BLOCK 458	11	P P C LIME LTD		0533858200 ; 0533858272; 082 776	con.schoombie@ppc.co.za ; mashudu.dzivhani@ppc.co.za ;									
														A	C0310000000045800055	CARTER BLOCK 458	55	TRANSNET	0	053 838 3008										
														D	C0310000000045800054	CARTER BLOCK 458	54	TRANSNET		053 838 3008	Riaan_karriem@transnet.net									
														A	C0310000000045800052	CARTER BLOCK 458	52	TRANSNET		053 838 3008										
														D	C0310000000045800001	CARTER BLOCK 458	1	P P C LIME LTD		0533858200 ; 0533858272; 082 776	con.schoombie@ppc.co.za ; mashudu.dzivhani@ppc.co.za ;									
														A	C0310000000045800053	CARTER BLOCK 458	53	TRANSNET												
														A	C0310000000045800005	CARTER BLOCK 458	5	P P C LIME LTD		0533858200 ; 0533858272; 082 776	con.schoombie@ppc.co.za ;									
														D	C0310000000045800002	CARTER BLOCK 458	2	P P C LIME LTD		0533858272; 082 776	mashudu.dzivhani@ppc.co.za ;									
														D	C0310000000045800004	CARTER BLOCK 458	4	P P C LIME LTD		0533858200 ; 0533858272; 082 776	mashudu.dzivhani@ppc.co.za ;									
														A	C0310000000045800052	CARTER BLOCK 458	52	TRANSNET			oscar.bowers@ppc.co.za									
														A	C0310000000045800051	CARTER BLOCK 458	51	DE BEERS CONSOLIDATED MINES LTD		0765979057										
														A	C0310000000045800037	CARTER BLOCK 458	37	DE BEERS CONSOLIDATED MINES LTD		0765979057	bdoolina@debeers.co.za									

Olifantshoek Reservoir	Gloucester Reservoir	Clifton Reservoirs	Trewill PS	Kneukel PS	Deiportschoop 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	Address/Postal Address	Contact Number (Home)	Email/ Fax									
Affected (D = Directly / A = Adjacent)																														
												D			C0310000000045800035	CARTER BLOCK 458	35	DE BEERS CONSOLIDATED MINES LTD		0765979057	maxwell.morapeli@debeersgroup.com									
												A		C03100000000045800059	CARTER BLOCK 458	59	DE BEERS CONSOLIDATED MINES LTD		0765979057											
												A		C03100000000045800060	CARTER BLOCK 458	60	DE BEERS CONSOLIDATED MINES LTD		0765979057											
												D		C03100000000046700004	KAAB PLATEAU 467	4	TRANSNET			Riaan.karriem@transnet.net										
			D									D		C03100000000046700003	KAAB PLATEAU 467	3	SEBIBENG WATER		053 562 9300	Omasiya@sedibengwater.co.za										
												D		C03100000000046700000	KAAB PLATEAU 467	RE	JOVICUBE (CHRISTIAAN STRAUSS)		0537 122677, 0937726515, 0762970164											
												D		C03100000000046800000	FARM 468	RE	Sebusi Boerdery (Tami and Mpho Sebusi)	Clifton Farm		tsebusi@kelesedi.co.za										
												D		C03100000000046800004	FARM 468	4	TRANSNET		053 562 9300	Riaan.karriem@transnet.net										
												A		C03100000000046800002	FARM 468	2	TRANSNET		053 562 9300	Riaan.karriem@transnet.net										
												A		C03100000000046800003	FARM 468	3	TRANSNET		053 562 9300	Riaan.karriem@transnet.net										
												D		C03100000000046900001	FARM 469	1	ANDRIES DE KLERK													
												A		C03100000000046900003	FARM 469	3	TRANSNET													
												D		C03100000000046900000	FARM 469	RE	JOHANNA / ALLEN SCHOLTS		0828212729	allanscholtz@gmail.com										
												A		C03100000000046900002	FARM 469	2	TRANSNET													
												D		C03100000000045300000	GROENWATER 453	RE	GROENWATER CPA (Obakeng Kgoranyane)		0730889074	kgoronyane@gmail.com										
												A		C03100000000045300008	GROENWATER 453	8	TRANSNET		078 504 5764											
												D		C03100000000045300004	GROENWATER 453	4	GROENWATER CPA		078 504 5764	kgoronyane@gmail.com										
												A		C03100000000045300013	GROENWATER 453	13	GROENWATER CPA		078 504 5764	kgoronyane@gmail.com										
												A		C03100000000045300005	GROENWATER 453	5	GROENWATER CPA		79 504 5764	kgoronyane@gmail.com										
												D		C03100000000047100002	FARM 471	2	GOUS BOERDERY (Johan Gous)	PLAAS THEROP 8420, POSTMASBURG, 8420	0824617968	jhgous2@gmail.com										
												D		C03100000000047200001	FARM 472	1	OCO PROPERTIES CC		0533131651 / 082 553 7629	lorry@rufco.co.za ; osvaldo@rufco.co.za ; orfeo@rufco.co.za ; admin@rufco.co.za										
												D		C03100000000047200004	FARM 472	4														
												D		C03100000000047200003	FARM 472	3	OCO PROPERTIES CC													
												A		C03100000000047200005	FARM 472	5	OCO PROPERTIES CC													
												D		C03100000000047200000	FARM 472	RE	OCO PROPERTIES CC		0533131651 / 082 553 7629											
												A		C03100000000047200002	FARM 472	2	JAN CHRISTOFFEL LABUSCHAGNE	P O BOX 715, POSTMASBURG, 8420	0832837758	labuschw@hotmail.com										
												D		C03100000000047300001	ROOIPOORT 473	1	WILLY BREDENKAMP TRUST (Ben & Sophia E	FARM BROUWLANDS, POSTMASBURG, 8420	0533131964											
												D		C03100000000047300002	ROOIPOORT 473	2	WILLY BREDENKAMP TRUST (Ben & Sophia E	FARM BROUWLANDS, POSTMASBURG, 8420	0533131964											
												D		C03100000000049200000	FARM 492	RE	GOUS IZAK STEPHANUS		0836979037	izak.gous@angloamerican.com										
												D		C03100030000001000000	ERVEN 1	RE/1	TSANTSABANE MUNISIPALITEIT		053 313 7300	mmsec@tsantsabane.gov.za										
												D		C03100030000018400000	ERVEN 184		KLOPPERS (ANNE-RINA)	Stand 184 POSTMASBURG, 8420	082 413 8612 / 072 854 37	anne-rinakloppers@dieselmecha.co.za										
												D		C03100030000001400000	ERVEN 14	RE/14	State Land		071 856 0551	mavis.thetele@drdlr.gov.za										
												A		C03100030000133100000	ERVEN 1331	RE	VISSER JOSEPHINE	PO BOX 356, POSTMASBURG, 8420	0724371942	jossie@keramecha.co.za										
												D		C03100030000001100000	ERVEN 11	RE/11	LANGBERG ABATTOIR CC (Louis Pieterse)	P O BOX 93, OLIFANTSHOEK, 8450	0798765010, 0824066226	langbergabot@mweb.co.za										
												D		C03100030000001200000	ERVEN 12		TSANTSABANE MUNISIPALITEIT													
												D		C03100030000375400000	ERVEN 3754		TSANTSABANE PROPERTY DEVELOPMENT (Andries Scholtz)	P O BOX 510, DOUGLAS, 8730	0532982736; 0828219879											
												D		C03100030000358500000	ERVEN 3585		TSANTSABANE MUNISIPALITEIT			prieysumus@gmail.com ; emmathe@gmail.com										
												D		C03100030000359700000	ERVEN 3597		TRANSNET		053 838 3008	Riaan.karriem@transnet.net ; prieysumus@gmail.com ; emmathe@gmail.com										
												D		C03100000000044900012	PENS FONTEIN 449	12	TSANTSABANE MUNICIPALITY													
												D		C03100000000044900002	PENS FONTEIN 449	2	RAHIDA INV PTY LTD (Borris Bannai)													
												D		C03100000000045000001	FARM 450	1	KAREEPAN TRUST													
												D		C03100000000045000000	FARM 450	RE	KAREEPAN TRUST													
												D		C03100000000044500002	FARM 445	2	MAREMANE CPA (PG MOTLABHEDI)	1670 Unit 2 Mothibstad, 8474	076 939 5524; 072 269 514											

Olifantshoek Reservoir	Gloucester Reservoir	Clifton Reservoirs	Trewill PS	Kneukel PS	Deiportshoop 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	Deip - Kneukel Pipeline	SG Code	Farm Name	Portion	Owner	Address/Postal Address	Contact Number (Home)	Email/ Fax												
Affected (D = Directly / A = Adjacent)																																	
																C0310000000044500001	FARM 445	1	MAREMANE CPA		076 939 5524; 072 269 5148												
																C0310000000044500000	FARM 445	RE	MAREMANE CPA		076 939 5524; 072 269 5148	mothabedicibils@gmail.com											
																C0310000000043600002	KAPSTEWEL 436	2	MAREMANE CPA		076 939 5524; 072 269 5148												
																C0310000000043600009	KAPSTEWEL 436	9	TRANSNET		053 838 3008	Riaan.karriem@transnet.net											
																C0310000000043600004	KAPSTEWEL 436	4	Nicolas Loubser (Golden Falls Properties (Pty) Ltd.) / Willem Fourie		083 305 1317	willem@amqgroup.co.za											
																C0310000000043500000	DRIEHOEKS PAN 435	RE	MAREMANE CPA		076 939 5524; 072 269 5148												
A																C0410000000067400008	GLOUCESTER 674	8	MAREMANE CPA		076 939 5524; 072 269 5148												
	D															C0410000000067400003	GLOUCESTER 674	3	SEDIBENG WATER			Omasiva@sedibengwater.co.za											
																C0410000000067300000	LOHATLHA 673	RE	MAREMANE CPA														
																C0410000000067300004	LOHATLHA 673	4	TRANSNET			Riaan.karriem@transnet.net											
																C0410000000067300001	LOHATLHA 673	1	MAREMANE CPA		076 939 5524												
																C0410000000067200003	MOROKWA 672	3	AF STEYN TESTAMENTER TRUST														
																C0410000000067100000	BISHOP 671	RE	PMG MINING PTY LTD (Mafhungo Maphiri)		082 672 0497	mafhungo@pmgmining.co.za											
																C0410000000067100001	BISHOP 671	1	RAUBEX PTY LTD (Chemaly Grace)	P O BOX 66192, HIGHVELD, 0169	011 856 1303/062658555	Keith.d@raubex.com ; gracec@petrex.co.za											
																C0410000000055900001	MACARTHY 559	1	Leon Marius Venter	1 PLAAS CILLSTON, POSTMASBURG,	0823801897;	leonventer.lmv@gmail.com											
																C0410000000055900004	MACARTHY 559	4	Leon Marius Venter	1 PLAAS CILLSTON, POSTMASBURG,	0823801897;	leonventer.lmv@gmail.com											
																C0410000000055900005	MACARTHY 559	5	Hendrik Johan Swanepoel	27A LANDBOU STREET, SOUTHRIDGE, KIMBERLEY, 8301	0828754680;												
																C0410000000055900002	MACARTHY 559	2	Hendrik Johan Swanepoel	27A LANDBOU STREET, SOUTHRIDGE, KIMBERLEY, 8301	0828754680;												
																C0410000000055900003	MACARTHY 559	3	Coenraad Hendrik Kotze	P O BOX 4, POSTMASBURG, 8420	0538329176	johan.kotze@floradaleboerdery.co.za											
																C0410000000056200000	JENKINS 562	RE	COZA Mining - Sarel Venter		0786452320	venter.sarel@gmail.com											
																C0410000000056200003	JENKINS 562	3	Leon Venter	1 PLAAS CILLSTON, POSTMASBURG,	0823801897;												
																C0410000000056200001	JENKINS 562	1	SISHEN IRON ORE COMPANY PTY LTD		053 739 2203	nadia.williams@anqloamerican.com											
																C0410000000056200000	JENKINS 562	RE	COZA Mining - Sarel Venter		0786452320												
																C0410000000056300000	ROSCOE 563	RE	ERICH OLIVIER TRUST (Helene Olivier)	649 KATHU, KATHU, 8446	0827426412												
																C0410000000056300003	ROSCOE 563	3	N/A														
																C0410000000056300001	ROSCOE 563	1	TRANSNET		053 838 3008	Riaan.kaariem@transnet.net											
																C0410000000056600001	SMYTHE 566	1	FILADELFA TRUST														
																C0410000000056600002	SMYTHE 566	2															
																C0410000000057000000	MURRAY 570	RE	MURRAY BOERDERY CC (Riaan en Tops van der Linde)		0832064213 (Son);	topsvdl@lantic.net											
																C0410000000057000006	MURRAY 570	6	SANRAL		053 839 2100												
																C0410000000057000002	MURRAY 570	2	Dirk & Eureka Croucamp (The Ranch)	PLAAS MURRAY, KATHU, 8446	0829206923;	ebb@hotmail.co.za											
																C0410000000057000005	MURRAY 570	5															
																C0410000000057000004	MURRAY 570	4															
																C0410000000057000001	MURRAY 570	1	Ollie Smith		0539632359												
																C0410000000057100000	COX 571	RE	Ollie Smith														
																C0410000000057100005	COX 571	5															
																C0410000000057100003	COX 571	3	JAFRATA CC (David Francois Malan - Langebeek)	KUDUSTR 37, OLIFANTSHOEK, 8450	0828078878	francois@langebergstene.co.za											
																C0410000000057100001	COX 571	1	Andrew Christian Olivier	FARM COX, OLIFANTSHOEK, NOORD KAAP, 8450	0824658854												
																C0410000000057100004	COX 571	4	SANRAL		053 839 2100												
																C0410000000057300000	HARTLEY 573	RE	WIESE BOERDERY LTD (Franscois Swart)		053 381 3104	admin@wiesebt.co.za											
																C0410000000076600000	NEYLAN 766	RE	COENEL EIENDOMME CC (Martin Coetzee)	P O BOX 982, POSTMASBURG, 8420	0825713006;	coetzeene15@gmail.com											
																C0410000000076600003	NEYLAN 766	3	SANRAL														
																C0410000000076600007	NEYLAN 766	7	N/A														
																C0410000000076600004	NEYLAN 766	4	Vergelegen Trust (Lawrence Steyn)		0722885554	admin@encoscope.co.za											

Olifantshoek Reservoir	Gloucester Reservoir	Clifton Reservoirs	Trewill PS	Kneukel PS	Deiportschoop 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	Address/Postal Address	Contact Number (Home)	Email/ Fax								
Affected (D = Directly / A = Adjacent)																													
										A					C04100040000076600002	NEYLAN 766	2	Marius van Zyl	P O BOX 231, DITLONG, OLIFANTSHOEK, 8450	0834174899	elektra.elektries@gmail.com								
										A					C04100040000076500000	DIERGAART'S HELIWEI 765	0	N/A											
D										D					C04100040000015500000	ERVEN 155	RE/155	Olifantshoek Municipality		053 723 6000	andren@gamagara.co.za								
										A					C04100040000032200000	ERVEN 322		Stephanus Marais		0216801130,	siaram.stef@gmail.com								
										A					C04100040000032300000	ERVEN 323		Maria Saayman	P O BOX 1, 8450	0781947713,									
										A					C04100040000032400000	ERVEN 324		Stephanus Fouche	P O BOX 1, OLIFANTSHOEK, 8450	0824068526; 0533310227	stephan.fouche@yahoo.com								
										A					C04100040000032500000	ERVEN 325		Coenraad Kotze	ELLIOT PLAAS, OLIFANTSHOEK, 8450	0737057427	iohan.kotze@floradaleboerdery.co.za								
										A					C04100040000054200000	ERVEN 542		Adele Beytell		0836607881/0128045903									
										A					C04100040000077100000	ERVEN 771		Magrietha Pieterse		0533310344									
										A					C04100040000195200000	ERVEN 1952		Henri Barnard	11 GEMSBOK STREET, OLIFANTSHOEK, 8450	0147600506,	antoinebarnard@gmail.com								
										A					C04100040000078400000	ERVEN 784		Ilan Phillipson	8 GEMSBOK STREET, OLIFANTSHOEK, 8450	0827100754	dorslandguesthouse@gmail.com								
										A					C04100040000033800000	ERVEN 338		Letita Roelofse	P O BOX 19, OLIFANTSHOEK, 8450	0795053594,	Letitaroelofse@gmail.com								
										A					C04100040000045300000	ERVEN 453		Wynand van Wyk	3 NIC STREET, OLIFANTSHOEK, 8450	0828015801									
										A					C04100040000037300000	ERVEN 373		DIMITRIOS DEVETZIS	30 VAN RIEBEEK STREET, OLIFANTSHOEK, 8450	0049370423,	devetzisd@gmail.com								
										A					C04100040000037200000	ERVEN 372		Catharina Maritz	24 GEMSBOK STREET, OLIFANTSHOEK, 8450	0836884695	maritzcm@gmail.com ; eamaritz@gmail.com								
										A					C04100040000037100000	ERVEN 371		Johannes Schreuder	22 GEMSBOK STREET, OLIFANTSHOEK, 8450	0726099906,	schreuderupington@vodamail.com								
										A					C04100040000196300000	ERVEN 1963	RE	LEZMIN 3291 CC		0533310937,	langbergabot@mweb.co.za								
										A					C041000400000274000000	ERVEN 274		TSANTSABANE MUNICIPALITY		053 313 7300	mmsec@tsantsabane.gov.za								
										A					C04100040000036800000	ERVEN 368		Bernardus Saayman	8 PEARCE STREET, OLIFANTSHOEK, 8450	0828022700	innasaaiman@gmail.com								
										A					C04100040000164000000	ERVEN 164		Marisca van Eeden	P O BOX 179, OLIFANTSHOEK, 8450	0829281354; 0537231852	marisca.krauze@gmail.com								
										A					C04100040000036500000	ERVEN 365		Catharina Maritz	24 GEMSBOK STREET, OLIFANTSHOEK, 8450	0836884695	maritzcm@gmail.com ; eamaritz@gmail.com								
										A					C04100040000036400000	ERVEN 364		Magrietha Cloete	10 GEMSBOK STREET, KURUMAN, 8460	0825510735									
										A					C04100040000036300000	ERVEN 363		Magrietha Cloete	10 GEMSBOK STREET, KURUMAN, 8460	0825510735									
										A					C04100040000036200000	ERVEN 362		HENTIQ 2161 PTY LTD (Louise Pieterse)		0533310137,	langbergabot@mweb.co.za								
										A					C04100040000036100000	ERVEN 361		Hermanus Schyff		0824066226									
										D					C04100040000053300000	ERVEN 533		Willem Smith	P O BOX 164, OLIFANTSHOEK, 8450	0731923411 ; 0738054266	drudiemaree@gmail.com								
										A					C04100040000163700000	ERVEN 1637		JOZUA DE LA HARPE	4 VAN RIEBEEK STREET, OLIFANTSHOEK, 8450	0824165800	delaharpe@gmail.com								
										D					C04100040000015400000	ERVEN 154		Olifantshoek Municipality (Cemetery)		053 723 6000									
										D					C04100040000041400000	ERVEN 414		Olifantshoek Community Health Centre		0716041822	omothibantwa@gmail.com								
										A					C04100040000028600000	ERVEN 286		Raymond Barnard	31 VAN RIEBEEK STREET, OLIFANTSHOEK, 8450	0828200433; 0533310744	rsbherstel@webmail.com								
										A					C04100040000029300000	ERVEN 293		Elizabeth Nel	5 OLIFANTSHOEK, 8450	0829372931,									
										A					C04100040000029200000	ERVEN 292		Willem Myburgh		082179224,	wmyb@sun.ac.za								
										A					C04100040000029100000	ERVEN 291		Hester Stans	3 BERG STREET, OLIFANTSHOEK, 8450	0828902138; 0537231216	hesterkalp@gmail.com								
										A					C04100040000077800000	ERVEN 778		Annelize van der Merwe / J van Rooyen		0764452632, 060 323 8440	ivanrooven@gmail.com								
										A					C04100040000047900000	ERVEN 479		MUNISIPALITEIT OLIFANTSHOEK		053 723 6000	cmcmathe@gmail.com								

VGRWSS-II: Upgrade of Existing Scheme - Registered IAPs

Name	Organisation	Contact Number	Email Address
Botha, PF		0538317751	
Doman		0535629162 / 0724569692	
Kopmasfontein CPA		0737572557 / 0767588471	
Van der Ryst		0833037926	
Help My Voort Boerdery		0533130611	
Kloppers		0533130196 / 0824945853	
Four Rivers Trading 3		0835168042	
Cilliers, AB		0836589043	
Fourie		0735566842/0833693399	
Annelize Strauss		0537239800/0845557619	
Morokwa Manganese Mine		0117861821	
Andrè Posthumus	Ntsu Trading	0609974897	
Mafhungo Maphiri	PMG Mining	0826720497	
Mitsie Smit	Afrimat	0783864186	
Constantia Safaris		0824926790	
Moses Moalahi		072 745 7161	moseslebogang@gmail.com
Devine Rooi	Khathu gazette	0635599994 / 0537232000	rooidevine@gmail.com
Dirk Coetzee	Assmang Proprietary Ltd	053 723 8090	Dirk.Coetzee@assmang.co.za
Durelle Carstens	Assmang Proprietary Ltd		Durelle.Carstens@assmang.co.za
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D J Shaw	Panplaas Boerdery	0832327841	
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Dawid van der Esthuizen	Ehoell	0839816031	
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Boitumelo Lekgadi	Councillor	0710673394	Lekgadib@gmail.com
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M. J Koorzen	Farmer	0825743033	
A. Joost	Farmer	0786100532	
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L. van der Merwe	Farmer	0827837957	len@jempmg.co.za

Johan Viljoen	Soetfontein	0836787721	joan@soetfontein.co.za
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Theo Coetzee	Farmer	0824927036	
Deidre Gibson	Farmer	0837894065	gibson.deidre@gmail.com
P.W. Ross	Farmer	0732537055	pwross73@gmail.com
J. Jacobs	Farmer	0716735137	
William Jarvis	Jenn Haven Steering Com	0824546753	william.jarvis33@gmail.com
Micaela Cloete	Jenn Haven Steering Com	0734709262	
J.J Lambrechts	Landowner	0732409395	lampies55@gmail.com
P. J. de Bruin		0822141012	
P. J. M. Nill		0832887087	
Jim Bredenkamp	Agri Postmasburg	0836797333	jim@jimpos.co.za
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Lorry Ruffini	Rufco Const	0825537628	lorry@rufco.co.za
Danel Marks	Farmer	0836502129	
Amanda van der Merwe	Farmer	0827813735	
D. Kotze	Farmer	0836096877	
Bernie Bredenkamp	Farmer	0833690308	
E. H. de Bruin		0769579057	
Suati Yuan	AMG	0780395459	
Willem Trourier	AMG	0833051317	
Coenraad Kotze	Floradale Boerdery	0845871070	
Johan Kotze	Floradale Boerdery	0829256032	iohan.kotze@floradaleboerdery.co.za
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Henning Myburgh	Agri NK	0538329595	henning@agrink.co.za
Johan van Zyl	Kameelfontein	0733611941	marnavz@lantic.net
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Francois Maritz	Private	0828235989	
PC Steenkamp	Private	0826645258	
Joe Bezuidenhout	Private	0832627181	
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Mashudu Dzivhani	PPC Lime	0827762370	mashudu.dzivhani@ppc.co.za
B. Markram	Papkuil Boerevereniging	0729002462	
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Coenraad Kotze	Private		kalahariplanman@gmail.com
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Ditshegofatso Milanzi			Ditshegofatso.Milanzi@south32.net
Cobus Terblanche			Cobust@brmo.co.za
Johan Jones			Johan.Jones@assmang.co.za
Joe Schoeman			Joe.Schoeman@arm.co.za
Reggie Magobelelo			Reggie.Magobelelo@assmang.co.za
Dieter Storbeck	Bigen Africa		Dieter.Storbeck@bigengroup.com
Divan Van Der Merwe	EXM		divan@exm.co.za
Lynné Viljoen	EXM		lynne@exm.co.za
Keneuwe Mabe	Transnet: Property Technician		Keneuwe.Mabe@Transnet.net
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