

# GEKLASSIFISEERD BEI REKKINGS

## Portfolio Manager (Bloemfontein)

Complete management of a building/cluster of buildings

**Duties:**

- Take charge of vacancies
- Ensure geographical spread of the portfolio
- Be involved in pricing and complexity
- Take care of tenant/rental requirements
- Compile a profile of centres/buildings

**Requirements:**

- Some 5 years in the property/estate management industry
- A minimum of a grade 12
- A Business (Marketing) or property-related qualification of sufficient calibre
- In-depth knowledge of property/estate management
- Knowledge of contract and financial management, and relevant legislation

**Salary:** Market-related and negotiable

For full details and to apply, please visit <http://www.pnet.co.za/portfolioanageer>

## BONGANI HIGH SCHOOL

PO Box 249  
Dugesi  
8730

Bongani High School  
Douglas, Northern Cape Province

**TEACHER**

2 vacancies available

- Subjects: Life Sciences/Lewenswetenskappe Gr. 10  
LIFE Orientation/Lewensoriëntering Gr. 7  
Period: 15 July to 31 December 2013
- Subjects: Geography/Aardrykskunde Gr. 10 - 12  
Social Sciences/Sosiale Wetenskappe Gr. 9  
Period: 15 July - 30 September 2013

Medium of Instruction: Dual Medium (Afrikaans and English)

E-mail: [brh@bhshs.com](mailto:brh@bhshs.com)  
Contact: 071 659 7871 or 062 738 2215.

## Brangus Invites applications for the following position in BLOEMFONTEIN:

**BREED DIRECTOR**

**REQUIREMENTS:**

- A relevant qualification in Animal Science
- Experience in cattle breeding, registration, performance recording and genetic analysis preferably using BRIS/EPICAN or similar
- Experience in inspection and judging of cattle
- Ability to manage an office
- Good communication and marketing skills
- Computer literate

**DUTIES:**

- Managing the Brangus office
- Visiting farmers, inspecting their animals and advising them on genetic improvement
- Marketing of Brangus in general
- Planning and administering of sales
- Managing breed development
- Implementation of strategic plan for Brangus.

Applications together with a short CV should be forwarded to WILNA BU/TENDACH at [admin@brangus.co.za](mailto:admin@brangus.co.za)

**DEADLINE: 22 July 2013**

Applicants who have not heard from the office within 30 days of the closing date, may re-submit their application has been unsuccessful and they are hereby thanked for their interest.

# KENNISGEWINGS

## NOTICE OF PUBLIC PARTICIPATION PROCESS - ROODEWAL

Notice is given in terms of the 2010 Amended Environmental Impact Assessment Regulations of the National Environmental Management Act (Act No.107 of 1998) published in the Government Gazette, 18 June 2010 of intent to carry out the following activity:

Latselis Family Trust trading as Latselis Property Group intends to establish a lodge that sleeps approximately 30 people with associated amenities outside the urban edge, within 32 metres of Ransfontein.

The activity is given in Government Notice 544, Listing Notice 1 and Government Notice 546, Listing Notice 3 of 18 June 2010.

**Activity 1 - The construction of: (a) infrastructure or structure covering 50 square metres or more where such construction occurs within a watercourse or within 32 m of a watercourse.**

**Activity 6 - Construction of a lodge accommodation facility that sleeps 15 people or more (i) outside urban areas, (ii) areas on the watercourse side of the development setback line or within 100 metres from the edge of a watercourse where no such setback line has been determined.**

An application for Environmental Authorization has been submitted to the Free State Department of Economic Development, Tourism and Environmental Affairs; REF NO: EMB/11/613/4.

In order to ensure that you are identified as interested and/or affected parties please submit your name, contact information and interest in the matter in writing to the contact person given within 40 days of publication of this advertisement.

The contact consultants are NSVT Consultants:  
Public Participation Practitioner - Lorato Tsegel or Environmental Assessment Practitioner: Jano Louw at 051 438 1693/8; or [lorato@nsvt.co.za](mailto:lorato@nsvt.co.za)  
[jano@nsvt.co.za](mailto:jano@nsvt.co.za)  
PO Box 42452, Heuwelsgat 9332.

## VOORGESKEEDE HIDROKARSENTALE EN VERWANTE INFRASTRUKTUR BY BOEGOEBERGDMAT OP DIE ORANJERIVER IN DIE OMGEWING VAN GOELERSHOOP, NOORD-KAAP:

Beaakbaarheid van die Kosop Omvangingspaleerag  
DOS Verw.: 14/12/11/33/2568

Hydro 9 SA (Edms) Bpk beoog om 'n hidro-elektriese inligtings- en gepaardgange Infrastruktuur van ongeveer 10 megawatt (MW) by Boegoeberg in die Oranjerivier op 'n 18 op die plaas Zeekeersfontein (Bestuur van Plaas nr. 305 en Gedesl. 1 van die Plaas nr. 305), ongeveer 26 km suidoos van Groblershoop.

In terme van die Wet op nasionale Omringingsbeoordeling (No. 107 van 1989) (NWOB) word die voorgesagde projek gelyk as bedryfsheid 1, 9, 10, 11 en 18 van Kennisgewingslys 1, bedryfsheid 10 van Kennisgewingslys 2 en bedryfsheid 4, 13, 14 en 16 van Kennisgewingslys 3 (Reguleringsgewingslys) (SK) Nr. R544 en R546 van die 2010 Omringingsbeoordelings (OB) regulasies.

Hierdie proses word 'n nasagting van die beoogde owerheid, naamlik die Departement van Omringingsbeoordeling, na afloop van 'n Omringingsbeoordelingsproses (OB) jous uiteengeset in Artikels 21 tot 25 van SK Nr. R543, Auroon (Edms) Bpk (Auroon) is aangestel om die vereiste WNOB-proses uit te voer.

Kennis geskied hiermee dat daar begin word met die proses van openbare deelname kragtens die WNOB sa Regulasies vir Omringingsbeoordelings 2010. Die aansoek vir die beoogde projek reeds ingedien by die beoogde owerheid in terme van hierdie Regulasies.

U word hiermee van die proses in kennis gestel, asook van die beaakbaarheid van die Kosop Omvangingspaleerag (OB), van 17 Julie 2013 tot 26 Augustus 2013 vir openbare kommentaar. Die Kosop OB sal beaakbaar wees by die Groblershoop Openbare Biblioteek, by die kantore van die Khas Municipality in Groblershoop sowel as op Auroon se webblad <http://www.auroongroup.com> Verander 'Current Location' na Suid-Afrika en klik op 'Public Participation'.

Belangstellende en belanghebbende partye kan tot en met 26 Augustus 2013 kommentaar op die beoogde projek indien. 'n Kommentaar aan Auroon, 16, aardeg Simon Clark of Diane Erasmus, Posbus 494, Kaapstad 8000, Tel. 021 526 8034. Faks: 021 528 9500 of e-pos: [simon.clark@auroongroup.com](mailto:simon.clark@auroongroup.com)

**Hydro SA** **aurocon**

eksklusief aanlyn by **OLX**

Waar koop en verkop makar ontmoet [www.olx.co.za](http://www.olx.co.za)

## VeriCred Collections (Pty)

We are currently looking for: **Experienced debt collectors**

**Qualifications and qualities include:**

- Debt collection experience
- Collection and negotiation skills
- Computer literacy
- Good typing skills
- Goal and target driven

Basic salary, commission and incentive

Mail or fax CV to 086 662 5144 or [oliverah@vericred.co.za](mailto:oliverah@vericred.co.za)  
Closing date: 26 July 2013.

## VACANCY: CHIEF FINANCIAL OFFICER

(5-year performance-based contract)

### THEMBELIHE LOCAL MUNICIPALITY (NC 076)

Thembelehe Local Municipality (NC 076) is an equal-opportunity, affirmative-action employer and also encourage applications from disabled persons. Females are specifically encouraged to apply.

For details on the requirements, duties and responsibilities and details on how to apply please visit the municipality's website at [www.thembelehelocalmunicipality.co.za](http://www.thembelehelocalmunicipality.co.za)

This is a re-advertisement and ALL PREVIOUS APPLICANTS MUST RE-APPLY.

**CLOSING DATE: Tuesday 30 July 2013.**

**MOGALIE MUNICIPAL MANAGER**

## KENNISGEWING VAN VOORGESKEEDE PROSPEKTEERAKTiwITEIT DMR VERWYKING: SK 30/01/12/19030 PR

In gevogte Skema 16(4)(b) van die Mineral en Petroleum Hulpbronne Ontwikkelingswet (Wet 28 van 2002).

Gelieve kennis te neem van boorgenome prospekteringsaktiwiteite vir diamante te sekere gedefinieerde land op plaas Gedesl. 17 (gedefinieerde Gedeeltes 11) van plaas Bofeloep 91, plaas Mout Rupt 351 en plaas 354, Barkly-Wesdistrik.

Alle belangstellers en/of gaaftelike partye word uitgenooi om as sulks te registreer en 'n oordeel bewarende insigte moet voor op 19 Augustus 2013 skryflike of ondergenooide konsultante aangemeld word vir aandaag.

**Rock Runner Consultants**  
Tel. 072 141 4164  
Fax: 085 248 5385  
Adres: Posbus 3223, Kimberley 8300  
E-pos: [admin@rockrunner.co.za](mailto:admin@rockrunner.co.za)

DOS VRYSTAAT KAAP BEDRIE BEPERK, insaam met OMV (CAPE MOHAR & WOOL) en OMV ELITE sa lillale, is 'n verwaardeppende landbougroep met sy hoofkantoor in Lefkordand en sowel 8 000 werkers in diens, wat 'n verskeidenheid diensre as die bevoegingspaleerag lewer, hoofsaaklik oor 'n gebied wat strek vanaf Port Elizabeth in die suide tot Stormers in die noorde en Prinsloo in die suide.

Aansoek word 'n lang ingewag vir die volgende vakature:

## BESTUURDER: MENSLIKE HULPBRONNE (Ludybrand)

Aansoekers moet oor 'n toepaslike nasionale kwalifikasie in menslike hulpbronne bestuur beskik aangevul deur ten minste agt tot tien jaar ervaring van menslike hulpbronne dissipline in 'n bestuurposisie. Bate goets kennis en blootstelling van die volgende kerntekens word vereis: •Leiding-ontwikkeling •Arbeidsverhoudings •Opleiding en ontwikkeling •Indiensoeningpraktieke •Promosie- en vergoedingsbelegging •Ontwikkeling van menslike hulpbronne strategie •Ontwikkeling en implementering van menslike hulpbronne beleid en prosedures •Salariesetting (verleisbare VIF) •Algemene menslike hulpbronne praktieke, onder andere verskeie-meritvoordele met pensioen- en mediese fondsovoordele insluit.

Adisioneel moet aansoekers oor baie goets taal- en kommunikasieverdigedheid in Afrikaans en Engels, sterk rekenaarvaardigedheid (MS Office), syle- en rekeningkundige vaardigedede asook uitsonderende onderhandelingsvaardigedede beskik.

Die posbekleer rapporteer direk aan die Hoofbestuurder. Korporatiewe sal primêr verantwoordelike wees om die menslike hulpbronne strategie, beleid en praktieke doeltreffende te implementeer en te bestuur, ten einde OVK se bevoegingsdoelwitte te ondersteun.

## VERHOUDINGSBESTUURDER (Ficksburg)

Die posbekleer sal aan die Hoofbestuurder. Handel rapporteer en verantwoordelike wees vir onder meer •Beoordeling, ontwikkeling en instandhouding van kliënteverhouding en tevredenheid •Belegging van finansieringsprodukte en aanvullende dienses aangevul deur die OVK se goets kennis en blootstelling van bevoegingsdoelwitte •Identifisering en analise van kliëntebehoeves •In samewerking met ander OVK bevoegingsdoelwitte binne die betrokke streek, te verskaf dat bevoegingsdoelwitte beskik word.

Besprek spesifieke ervaring (minimum vier jaar) in 'n ooregelyke posisie aangevul deur 'n relevante nasionale kwalifikasie.

SVR 81/135

**SLUITINGSdatum: 31 JULIE 2013.**

## JOE GQABI DISTRICT MUNICIPALITY NOTICE NO: 34/2013

**MANAGER: HUMAN RESOURCES AND LABOUR RELATIONS**

Joe Gqabi District Municipality, with its seat in Barkly East, covers the areas of Gariep (Gariepburg, Stormsberg, Venterstad), Maitland (Alwal North and Jansenville), Senek (Ladysburg, Stormsberg, Barkly East, Rhodes and Rossouw) and Eumund (Lige Makies, Mount Fletcher and the rural parts of Tsolo and Quthob).

**REMNUNERATION:**

- Grade 17 of a category 4 municipality
- Salary scales: R416 859; R426 863; R437 114; R447 811; R458 342; R460 334; R480 119; R492 154; R500 955; R516 045; R528 436; R541 116.

**FRINGE BENEFITS:**

Normal fringe benefits include leave, group life scheme, housing/rent subsidy on certain conditions, pension/provident fund, car allowance, cell phone allowance and membership to a medical aid scheme.

**REQUIREMENTS:**

- Grade 12
- A valid Code E8 (08) driver's licence
- A B Comm (Human Resources Management) or relevant equivalent qualification is a requirement
- A post graduate qualification in the field of Human Resources Management/Labour Law will serve as an added advantage
- Extensive knowledge of employment legislation, processes and procedures is essential
- Five (5) years' solid management within the field of Human Resources Management preferably within a total government environment is required.

**REQUIRED COMPETENCIES:**

- Proven record of strategic, motivational and decisive leadership and management skills
- An innovative person with proven applied research skills and analytical thinking abilities
- Excellent and effective interpersonal and communication skills
- Advanced computer literacy skills
- Policy formulation and financial management skills
- The ability to deal with all levels of staff including council, management and trade unions
- A high degree of confidentiality is essential

**KEY PERFORMANCE AREAS:**

- The incumbent will be responsible for the overall management, supervision and monitoring of all activities linked to Human Resources Administration
- Recruitment and Selection, Employee Wellness, Occupational Health and Safety, Labour Relations and Organizational Development which will include:
  - Provide strategic support to the Director: Corporate Services by regularly consulting on issues affecting the Section, advising on various Human Resources related matters and implementing Council resolutions affecting the Section.
  - Coordinate the Recruitment and Selection of staff by following the prescribed process.
  - Provide a Human Resources consultancy service to the Top Management, Line Management and Staff of the municipality.
  - Provide comprehensive management and leadership within the Section including the monitoring and administration of the Payroll System and related activities in conjunction with the Finance Directorate
  - Coordinate the implementation of the Human Resources Management policies as prescribed by the Task Job Evaluation System
  - Develop, Implement and review all Human Resources Policies within the municipality
  - Manage all budget-related activities for the Human Resources Section
- Ensure compliance with all employment legislation, policies and procedures within the municipality
- Ensure effective team management within the municipality and implementing measures to curb leave abuse
- Participating to staff grievances, disciplinary hearings, conciliations, arbitrations and labour disputes
- Facilitate communication between the municipality and trade unions and ensuring the functioning of the Local Labour Forum (LLF)
- Facilitate Occupational Health and Safety meetings and ensure overall responsibility over all OHS Representatives throughout the district
- Ensure effective team management within the municipality and implementing measures to curb leave abuse
- Any other function as may be reasonably delegated by management or falling within the ambit of the Human Resources function

Kindly submit a detailed Curriculum Vitae together with a prescribed application form and relevant valid copies of originally certified certificates and documents to the attention of the Manager: Human Resources. The prescribed application form is available on the website [www.jgm.gov.za](http://www.jgm.gov.za). No fees will be accepted. Canvassing and/or lobbying of a Councilor and Officials will not be accepted and non-compliance thereof shall immediately disqualify any applicant. No late applications will be considered.

Should you not receive any response within two (2) months after the closing date, please accept that your application was unsuccessful. Applications to be sent to or handed in at the address below:

Applications to be addressed to:

**ATTENTION: MUNICIPAL MANAGER**

MR ZA WILLIAMS  
Municipal Manager  
Joe Gqabi District Municipality  
C/o Cde and Graham Street  
Private Bag 2102  
Barkly East  
9746

ENQUIRIES: MR M PINGO  
Tel. 052 979 3060  
Fax: no. 4/6/9/8

**CLOSING DATE: 29 July 2013**

## VOORGESKEEDE HIDROKARSENTALE EN VERWANTE INFRASTRUKTUR BY BOEGOEBERGDMAT OP DIE ORANJERIVER IN DIE OMGEWING VAN GOELERSHOOP, NOORD-KAAP:

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**Hydro SA** **aurocon**

**OMGEWINGSINVLOEDBEPALING:  
BEOOGDE HIDROKRAGSENTRALE EN VERWANTE INFRASTRUKTUUR  
BY BOEGOEBERG DAM OP DIE ORANJE RIVIER,  
NABY GROBLERSHOOP, NOORD-KAAP  
FEBRUARIE 2014**

Dos Verw. No. 14/12/16/3/3/2/568

**aurecon**

**Antwoordblad vir kommentaar deur Belanghebbende & Geaffekteerde Partye  
rakende die Konsep Omgewingsinvloedbepaling**

Vir aandag: Simon Clark / Diane Erasmus  
Posadres: P O Box 494, Cape Town, 8000  
Tel: 021 526 6034 / 044 805 5421  
Faks: 021 526 9500 / 044 805 5454  
E-pos: simon.clark@aurecongroup.com  
diane.erasmus@aurecongroup.com

TITEL	Me	VOORNAAM	Elizabeth		
VOORLETTERS	E.H.	VAN	Smit		
ORGANISASIE		E-POS	Johannesmit@yahoo.com		
POSADRES	Posbus 3 Marydale	POSKODE	8910		
TEL NO		FAKS NO			
SEL NO.	084 406 3375	TAAL	Engels	Afrikaans	Xhosa
Het u enige direkte belangstelling in die goedkeuring of afkeuring van die voorgename projek vir besigheid of ander redes?				<input checked="" type="checkbox"/>	NEE

**Lys asseblief enige kollegas/vriende of organisasies wat na u mening geregistreer behoort te word as 'n Belanghebbende of Geaffekteerde Party vir hierdie OIB:**

(met kontakbesonderhede indien beskikbaar)

Naam/Organisasie	Posadres	Tel	Faks

**Opper gerus enige kwessies of bekommernisse:**

(gebruik gerus 'n afsonderlike vel papier indien u so verkies)

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19-2-2014  
Erken ontvangs  
E.Smit

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Dankie vir u bydrae

Item 9

**OMGEWINGSINVLOEDBEPALING:  
 BEOOGDE HIDROKRAGSENTRALE EN VERWANTE INFRASTRUKTUUR  
 BY BOEGOEBERG DAM OP DIE ORANJE RIVIER,  
 NABY GROBLERSHOOP, NOORD-KAAP  
 FEBRUARIE 2014**

Dos Verw. No. 14/12/16/3/3/2/568



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 rakende die Konsep Omgewingsinvloedbepaling**

**Vir aandag:** Simon Clark / Diane Erasmus  
**Posadres:** P O Box 494, Cape Town, 8000  
**Tel:** 021 526 6034/ 044 805 5421  
**Faks:** 021 526 9500 / 044 805 5454  
**E-pos:** simon.clark@aurecongroup.com  
 diane.erasmus@aurecongroup.com

TITEL	Me	VOORNAAM	Eliabeth		
VOORLETTERS	EH	VAN	Smit		
ORGANISASIE		E-POS	Johannesmit@yahoo.com		
POSADRES	Postbus 3 Marydale		POSKODE	8910	
TEL NO.		FAKS NO.			
SEL NO.	084 406 3375		TAAL	Engels	Afrikaans
Het u enige direkte belangstelling in die goedkeuring of afkeuring van die voorgename projek vir besigheid of ander redes?				<input checked="" type="radio"/> JA	<input type="radio"/> NEE

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19-2-2014  
 Elen onkang  
 E. Smit

Dankie vir u bydrae

**OMGEWINGSINVLOEDBEPALING:**  
**BEOOGDE HIDROKRAGSENTRALE EN VERWANTE INFRASTRUKTUUR**  
**BY BOEGOEBERG DAM OP DIE ORANJE RIVIER,**  
**NABY GROBLERSHOOP, NOORD-KAAP**  
**FEBRUARIE 2014**

Dos Verw. No. 14/12/16/3/3/2/568

**aurecon**

**Antwoordblad vir kommentaar deur Belanghebbende & Geaffekteerde Partye**  
**rakende die Konsep Omgewingsinvloedbepaling**

**Vir aandag:** Simon Clark / Diane Erasmus  
**Posadres:** P O Box 494, Cape Town, 8000  
**Tel:** 021 526 6034 / 044 805 5421  
**Faks:** 021 526 9500 / 044 805 5454  
**E-pos:** simon.clark@aurecongroup.com  
diane.erasmus@aurecongroup.com

<b>TITEL</b>	Mr	<b>VOORNAAM</b>	Erlank		
<b>VOORLETTERS</b>	(E) JSM Visagie	<b>VAN</b>	VISAGIE		
<b>ORGANISASIE</b>		<b>E-POS</b>			
<b>POSADRES</b>	Pook 82 Margdale				
		<b>POSKODE</b>	8910		
<b>TEL NO.</b>	082 540 5136		<b>FAKS NO.</b>		
<b>SEL NO.</b>		<b>TAAL</b>	Engels	Afrikaans	Xhosa
Het u enige direkte belangstelling in die goedkeuring of afkeuring van die voorgename projek vir besigheid of ander redes?				<input checked="" type="checkbox"/>	NEE

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(met kontakbesonderhede indien beskikbaar)

Naam/Organisasie	Posadres	Tel	Faks

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(gebruik gerus 'n afsonderlike vel papier indien u so verkies)

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*[Handwritten Signature]*

MMS. Owers

Dankie vir u bydrae



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Tel: 021 526 6034/ 044 805 5421  
Faks: 021 526 9500 / 044 805 5454  
E-pos: simon.clark@aurecongroup.com  
diane.erasmus@aurecongroup.com

TITEL	Mr.	VOORNAAM	Hendrik		
VOORLETTERS	H	VAN	HANEKOM		
ORGANISASIE	DJF Hanekom Trustees	E-POS	0824212115@vodamail.co.za		
POSADRES	Posbus 59 Groblershoop	POSKODE	8850		
TEL NO.		FAKS NO.			
SEL NO.	082 421 2115	TAAL	Engels	Afrikaans	Xhosa
Het u enige direkte belangstelling in die goedkeuring of afkeuring van die voorgename projek vir besigheid of ander redes?				JA	NEE

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(gebruik gerus 'n afsonderlike vel papier indien u so verkies)

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**BEOOGDE HIDROKRAGSENTRALE EN VERWANTE INFRASTRUKTUUR**  
**BY BOEGOEBERG DAM OP DIE ORANJE RIVIER,**  
**NABY GROBLERSHOOP, NOORD-KAAP**  
**FEBRUARIE 2014**

Dos Verw. No. 14/12/16/3/3/2/568

**aurecon**

**Antwoordblad vir kommentaar deur Belanghebbende & Geaffekteerde Partye**  
**rakende die Konsep Omgewingsinvloedbepaling**

**Vir aandag:** Simon Clark / Diane Erasmus  
**Posadres:** P O Box 494, Cape Town, 8000  
**Tel:** 021 526 6034 / 044 805 5421  
**Faks:** 021 526 9500 / 044 805 5454  
**E-pos:** simon.clark@aurecongroup.com  
diane.erasmus@aurecongroup.com

TITEL	Mnr	VOORNAAM	Isak		
VOORLETTERS	I	VAN	Beesvel		
ORGANISASIE	Erim Boerdery Trust		E-POS		
POSADRES	Teppe straat 19		POSKODE	8910	
	Marydale				
TEL NO.	054 871 5500		FAKS NO.		
SEL NO.		TAAL	Engels	Afrikaans	Xhosa
Het u enige direkte belangstelling in die goedkeuring of afkeuring van die voorgename projek vir besigheid of ander redes?				<input checked="" type="checkbox"/>	NEE

**Lys asseblief enige kollegas/vriende of organisasies wat na u mening geregistreer behoort te word as 'n Belanghebbende of Geaffekteerde Party vir hierdie OIB:**  
(met kontakbesonderhede indien beskikbaar)

Naam/Organisasie	Posadres	Tel	Faks

**Opper gerus enige kwessies of bekommernisse:**  
(gebruik gerus 'n afsonderlike vel papier indien u so verkies)

Isak Beesvel  
Mnr Trust

Dankie vir u bydrae

**OMGEWINGSINVLOEDBEPALING:**  
**BEOOGDE HIDROKRAGSENTRALE EN VERWANTE INFRASTRUKTUUR**  
**BY BOEGOEBERG DAM OP DIE ORANJE RIVIER,**  
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**FEBRUARIE 2014**

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**Vir aandag:** Simon Clark / Diane Erasmus  
**Posadres:** P O Box 494, Cape Town, 8000  
**Tel:** 021 526 6034 / 044 805 5421  
**Faks:** 021 526 9500 / 044 805 5454  
**E-pos:** simon.clark@aurecongroup.com  
diane.erasmus@aurecongroup.com

TITEL	Me	VOORNAAM	Elizabeth		
VOORLETTERS	EH	VAN	Smit		
ORGANISASIE		E-POS	johnniesmit@yahoo.com		
POSADRES	Postbus 3 Marydale		POSKODE	8910	
TEL NO.		FAKS NO.			
SEL NO.	084 406 3375		TAAL	Engels	Afrikaans
Het u enige direkte belangstelling in die goedkeuring of afkeuring van die voorgename projek vir besigheid of ander redes?				<input checked="" type="radio"/> JA	<input type="radio"/> NEE

**Lys asseblief enige kollegas/vriende of organisasies wat na u mening geregistreer behoort te word as 'n Belanghebbende of Geaffekteerde Party vir hierdie OIB:**

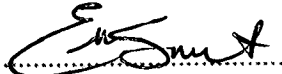
(met kontakbesonderhede indien beskikbaar)

Naam/Organisasie	Posadres	Tel	Faks

**Opper gerus enige kwessies of bekommernisse:**

(gebruik gerus 'n afsonderlike vel papier indien u so verkies)

19-2-2014

Erlan... onkang  


Dankie vir u bydrae



**OMGEWINGSINVLOEDBEPALING:  
BEOOGDE HIDROKRAGSENTRALE EN VERWANTE INFRASTRUKTUUR  
BY BOEGOEBERG DAM OP DIE ORANJE RIVIER,  
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FEBRUARIE 2014**

Dos Verw. No. 14/12/16/3/3/2/568

**aurecon**

**Antwoordblad vir kommentaar deur Belanghebbende & Geaffekteerde Partye  
rakende die Konsep Omgewingsinvloedbepaling**

Vir aandag: Simon Clark / Diane Erasmus  
Posadres: P O Box 494, Cape Town, 8000  
Tel: 021 526 6034/ 044 805 5421  
Faks: 021 526 9500 / 044 805 5454  
E-pos: simon.clark@aurecongroup.com  
diane.erasmus@aurecongroup.com

TITEL	Mr.	VOORNAAM	Johan		
VOORLETTERS		VAN	Maré		
ORGANISASIE	Wilkot Boerdery Pty Ltd	E-pos	wilkotb@gmail.com		
POSADRES	Postbus 38 Marydale	POSKODE	8910		
TEL NO.		FAKS NO.			
SEL NO.	082 948 2790	TAAL	Engels	Afrikaans	Xhosa
Het u enige direkte belangstelling in die goedkeuring of afkeuring van die voorgenameprojek vir besigheid of ander redes?				<input checked="" type="checkbox"/>	NEE

**Lys asseblief enige kollegas/vriende of organisasies wat na u mening geregistreer behoort te word as 'n Belanghebbende of Geaffekteerde Party vir hierdie OIB:**

(met kontakbesonderhede indien beskikbaar)

Naam/Organisasie	Posadres	Tel	Faks

**Opper gerus enige kwessies of bekommernisse:**

(gebruik gerus 'n afsonderlike vel papier indien u so verkies)

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*[Handwritten Signature]*  
Dankie vir u bydrae

**OMGEWINGSINVLOEDBEPALING:  
BEOOGDE HIDROKRAGSENTRALE EN VERWANTE INFRASTRUKTUUR  
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Vir aandag: Simon Clark / Diane Erasmus  
Posadres: P O Box 494, Cape Town, 8000  
Tel: 021 526 6034/ 044 805 5421  
Faks: 021 526 9500 / 044 805 5454  
E-pos: simon.clark@aurecongroup.com  
diane.erasmus@aurecongroup.com

TITEL	Mnr	VOORNAAM	Kobus		
VOORLETTERS		VAN	Maree		
ORGANISASIE	Blaawputs Trust	E-POS			
POSADRES	Postbus 62 Marydale	POSKODE	8910		
TEL NO.		FAKS NO.			
SEL NO.	072 242 1265	TAAL	Engels	Afrikaans	Xhosa
Het u enige direkte belangstelling in die goedkeuring of afkeuring van die voorgename projek vir besigheid of ander redes?				JA	NEE

**Lys asseblief enige kollegas/vriende of organisasies wat na u mening geregistreer behoort te word as 'n Belanghebbende of Geaffekteerde Party vir hierdie OIB:**

(met kontakbesonderhede indien beskikbaar)

Naam/Organisasie	Posadres	Tel	Faks

**Opper gerus enige kwessies of bekommernisse:**  
(gebruik gerus 'n afsonderlike vel papier indien u so verkies)

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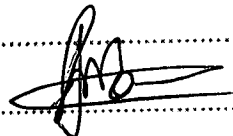
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Dankie vir u bydrae

Item 6

**OMGEWINGSINVLOEDBEPALING:  
BEOOGDE HIDROKRAGSENTRALE EN VERWANTE INFRASTRUKTUUR  
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FEBRUARIE 2014**

Dos Verw. No. 14/12/16/3/3/2/568



**Antwoordblad vir kommentaar deur Belanghebbende & Geaffekteerde Partye  
rakende die Konsep Omgewingsinvloedbepaling**

**Vir aandag:** Simon Clark / Diane Erasmus  
**Posadres:** P O Box 494, Cape Town, 8000  
**Tel:** 021 526 6034 / 044 805 5421  
**Faks:** 021 526 9500 / 044 805 5454  
**E-pos:** simon.clark@aurecongroup.com  
diane.erasmus@aurecongroup.com

TITEL	MNR	VOORNAAM	NICO	(TRUSTEE)	
VOORLETTERS	N	VAN	ERASMUS		
ORGANISASIE	DJ TOIT VAN DEN HEEVER ING.	E-POS	nico@dtvdh.co.za		
POSADRES	POSBUS 204 UPINGTON	POSKODE	8800		
TEL NO.	(054) 332 4585	FAKS NO.	(054) 332 6148		
SEL NO.	082 5656 756	TAAL	Engels	Afrikaans	Xhosa
Het u enige direkte belangstelling in die goedkeuring of afkeuring van die voorgename projek vir besigheid of ander redes?				JA	NEE

**Lys asseblief enige kollegas/vriende of organisasies wat na u mening geregistreer behoort te word as 'n Belanghebbende of Geaffekteerde Party vir hierdie OIB:**  
(met kontakbesonderhede indien beskikbaar)

Naam/Organisasie	Posadres	Tel	Faks

**Opper gerus enige kwessies of bekommernisse:**  
(gebruik gerus 'n afsonderlike vel papier indien u so verkies)

VERKOOPINGE VIR BESUITING VAN GROND AGU. SERUYUNT.

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Dankie vir u bydrae

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**aurecon**

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**Vir aandag:** Simon Clark / Diane Erasmus  
**Posadres:** P O Box 494, Cape Town, 8000  
**Tel:** 021 526 6034/ 044 805 5421  
**Faks:** 021 526 9500 / 044 805 5454  
**E-pos:** simon.clark@aurecongroup.com  
diane.erasmus@aurecongroup.com

TITEL	Me	VOORNAAM	Sasario		
VOORLETTERS	SM.	VAN	Geldenhuys		
ORGANISASIE		E-POS	rugbreet@gmail.com		
POSADRES	Posbus 38 Grobbelaarsheep		POSKODE	8850	
TEL NO.		FAKS NO.			
SEL NO.	083 608 3311	TAAL	Engels	Afrikaans	Xhosa
Het u enige direkte belangstelling in die goedkeuring of afkeuring van die voorgenameprojek vir besigheid of ander redes?				<input checked="" type="checkbox"/>	NEE

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(met kontakbesonderhede indien beskikbaar)

Naam/Organisasie	Posadres	Tel	Faks

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(gebruik gerus 'n afsonderlike vel papier indien u so verkies)

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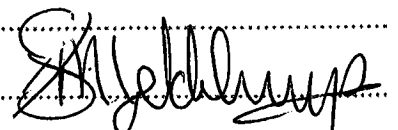
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Dankie vir u bydrae

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**FEBRUARIE 2014**

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**aurecon**

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**Vir aandag:** Simon Clark / Diane Erasmus  
**Posadres:** P O Box 494, Cape Town, 8000  
**Tel:** 021 526 6034/ 044 805 5421  
**Faks:** 021 526 9500 / 044 805 5454  
**E-pos:** simon.clark@aurecongroup.com  
diane.erasmus@aurecongroup.com

TITEL	Me	VOORNAAM	Susarje		
VOORLETTERS	S M	VAN	Geldenhuys		
ORGANISASIE		E-POS	rugbree@gmail.com		
POSADRES	Postbus 38 Groblershoop		POSKODE	8850	
TEL NO.		FAKS NO.			
SEL NO.	083 608 3311	TAAL	Engels	Afrikaans	Xhosa
Het u enige direkte belangstelling in die goedkeuring of afkeuring van die voorgenameprojek vir besigheid of ander redes?				<input checked="" type="checkbox"/>	NEE

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(met kontakbesonderhede indien beskikbaar)

Naam/Organisasie	Posadres	Tel	Faks

**Opper gerus enige kwessies of bekommernisse:**  
(gebruik gerus 'n afsonderlike vel papier indien u so verkies)

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*Susarje Geldenhuys*

Dankie vir u bydrae

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FEBRUARIE 2014**

Dos Verw. No. 14/12/16/3/3/2/568



**Antwoordblad vir kommentaar deur Belanghebbende & Geaffekteerde Partye  
rakende die Konsep Omgewingsinvloedbepaling**

**Vir aandag:** Simon Clark / Diane Erasmus  
**Posadres:** P O Box 494, Cape Town, 8000  
**Tel:** 021 526 6034/ 044 805 5421  
**Faks:** 021 526 9500 / 044 805 5454  
**E-pos:** simon.clark@aurecongroup.com  
 diane.erasmus@aurecongroup.com

<b>TITEL</b>	Mnr. CNL Groenewald	<b>VOORNAAM</b>	Christo
<b>VOORLETTERS</b>	CNL	<b>VAN</b>	Groenewald
<b>ORGANISASIE</b>	Groenweide Boerdery Bk	<b>E-POS</b>	groenweide@gmail.com
<b>POSADRES</b>	Posbus 74 Marydale, 8910	<b>POSKODE</b>	8910
<b>TEL NO.</b>	—	<b>FAKS NO.</b>	0865570931
<b>SEL NO.</b>	0829482394/5	<b>TAAL</b>	Engels <input checked="" type="checkbox"/> Afrikaans <input checked="" type="checkbox"/> Xhosa <input checked="" type="checkbox"/>
Het u enige direkte belangstelling in die goedkeuring of afkeuring van die voorgename projek vir besigheid of ander redes?			JA <input checked="" type="checkbox"/> NEE <input checked="" type="checkbox"/>

**Lys asseblief enige kollegas/vriende of organisasies wat na u mening geregistreer behoort te word as 'n Belanghebbende of Geaffekteerde Party vir hierdie OIB:**  
 (met kontakbesonderhede indien beskikbaar)

Naam/Organisasie	Posadres	Tel	Faks

**Opper gerus enige kwessies of bekommernisse:**  
 (gebruik gerus 'n afsonderlike vel papier indien u so verkies)

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.....

Dankie vir u bydrae

**Cape Town**  
1 Century City Drive  
Waterford Precinct  
Century City  
7441

**T** +27 21 526 9400  
**F** +27 21 526 9500  
**E** capetown@aurecongroup.com  
**W** aurecongroup.com



PO Box 494  
Cape Town  
8000  
Docex: DX 204

12 June 2013

Email: [simon.clark@aurecongroup.com](mailto:simon.clark@aurecongroup.com)

**PROPOSED HYDROPOWER STATION AND ASSOCIATED INFRASTRUCTURE AT  
BOEGOEBERG DAM ON THE ORANGE RIVER, NEAR GROBLERSHOOP, NORTHERN CAPE.**

**LANDOWNER NOTIFICATION OF ENVIRONMENTAL IMPACT ASSESSMENT PROCESS IN  
TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, NO. 107 OF 1998**

Dear sir/madam

The purpose of this letter is to notify you, as the landowner/manager/occupant about the above-mentioned project.

*Proposed project*

Hydro 9 SA (Pty) Ltd (Hydro 9 SA) wishes to construct a hydropower station of approximately 10 Megawatts (MW) at Boegoeberg Dam on the Orange River which is situated on the farm Zeekoebaart, approximately 26km south east of Groblershoop. The proposed 132 kV overhead transmission line would connect to Eskom's Fibre substation ~34km south of the hydropower station.

Run-of-river hydropower stations, such as proposed, use the natural flow and drop in the river levels to produce electricity. A portion of the river's flow is channelled through the hydropower station where the water is then passed through turbines. The spinning of the turbines generate electricity. This is the same principle as a coal-fired power station that creates steam to turn turbines, as well as wind turbines that are turned by wind.

Hydro 9 SA intends to apply to the Department of Environmental Affairs and Development Planning (DEA&DP) for Environmental Authorisation to undertake certain activities associated with construction of the abovementioned hydropower station. This Application will be made by Aurecon SA (PTY) Ltd. on behalf of the Hydro 9 SA in terms of Regulations pursuant to the National Environmental Management Act, No. 107 of 1998 (NEMA) for activities listed in GN.R 544 and GN.R 546.

Should you have any comments or queries, or should you wish to register as an Interested and Affected Party at this stage in the process, please do not hesitate to contact the Aurecon

**Aurecon South Africa (Pty) Ltd** Reg No 1977/003711/07  
**Board of Directors**  
BMH Tsita (Chairperson), PC Bliersch, MG Diliza,  
ZB Ebrahim, AB Geldenhuys, NN Gwagwa, SA le Roux,  
PC Lombard, AW Möhr, GT Rohde

ISO 9001 Certified  
Member of CESA and ASAQS  
Silver Founding Member of the  
Green Building Council of  
South Africa

\*Under licence from Aurecon Group Brand (Pte) Ltd Reg no 200903592H

**Leading. Vibrant. Global.**

Environmental Team who will act as the Independent Environmental Assessment Practitioners on behalf of the Hydro 9 SA in this instance. The contact details are:

**Simon Clark - [simon.clark@aurecongroup.com](mailto:simon.clark@aurecongroup.com)**

**Tel: 021 526 6430 Fax: 021 526 9500**

Regards

A handwritten signature in black ink, appearing to be 'Simon Clark', written over a faint circular stamp or watermark.

**AURECON**

**SIMON CLARK**

Environment and Advisory services

File Reference: C:\Landowner letter Boegoeberg.doc





**To** Moegamat/Ganief                      **From** Nelis Bezuidenhout  
**Of**    **Department** Environmental  
**Copies**  
**Date** 13/06/2013                              **Costing** 109626/\*\*\*\*/\*\*\*\*/CPTZAEAD  
**Subject** **NORMAL MAILING**

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Dear Moegamat/Ganief

Please arrange for mailing of 12 ENVELOPES. Should you have any queries, please contact the undersigned.

Your sincerely

Nelis Bezuidenhout  
**ENVIRONMENTAL**

---

Susara Geldenhuis  
PO Box 66  
Grobelaarshoop  
8850

SUSARA MARTHINA GELDENHUYS  
(Susarie)  
Posbus 38  
Grobelaarshoop 8850

HENDRIK JOHANNES LOUIS  
HANEKOM  
Posbus 54  
Marydale 8910

DIRK JACOBUS FRANCOIS HANEKOM-  
TRUSTEES  
Posbus 54  
Marydale 8910

DIRK JACOBUS FRANCOIS GREEFF  
Posbus 1617  
Upington 8800

SMIT JAN WILLEM  
Posbus 3  
Marydale 8910

HENDRIK JOHANNES LOUIS  
HANEKOM  
Posbus 54  
Marydale 8910

SMIT JAN WILLEM  
Posbus 3  
Marydale 8910

JOHNNIE SMIT FAMILIETRUST  
Posbus 3  
Marydale 8910

BLAAUWPUTS TRUST (Kobus Maree  
Bestuurder)  
Posbus 62  
Marydale 8910

WILKOT BOERDERY PTY LTD  
(Mattheus Maree)  
Posbus 38  
Marydale 8910

B J GROENEWALD FAMILIETRUST  
Posbus 74  
Marydale 8910

**PROPOSED HYDROPOWER STATION AND ASSOCIATED  
INFRASTRUCTURE AT BOEGOEBERG DAM ON THE ORANGE RIVER,  
NEAR GROBLERSHOOP, NORTHERN CAPE:**

**Availability of the Draft Scoping Report**

DEA Ref: 14/12/16/3/3/1/951

Hydro 9 SA (Pty) Ltd wishes to construct a hydropower station and associated infrastructure of approximately 10 Megawatt (MW) at Boegoeberg Dam on the Orange River, on the farm Zeekoebaart (Remainder of Farm no. 306 and Portion 1 of Farm no. 306), approximately 26km south east of Groblershoop.

**VOORGENOME HIDRO-KRAGSENTRALE, EN VERWANTE  
INFRASTRUKTUUR BY BOEGOEBERGDAM OP DIE ORANJE RIVIER IN DIE  
OMGEWING VAN GOBLERSHOOP, NOORD-KAAP:**

**Beskikbaarheid van die Konsep Omvangbepalingsverslag**

DOS Verw.: 14/12/16/3/3/1/951

Hydro 9 SA (Edms) Bpk beoog om 'n hidro-elektriese kragstasie en gepaardgaande infrastruktuur van ongeveer 10 megawatt (MW) by Boegoeberg Dam op die Oranjerivier op te rig, op die plaas Zeekoebaart (Restant van Plaas Nr 306 en Gedeelte 1 van die Plaas No.. 306 ), ongeveer 26km suidoos van Groblershoop.

In terms of the National Environmental Management Act (No. 107 of 1998) (NEMA) each of the proposed projects triggers listed activities 1, 9, 10, 11, and 18 in **Listing Notice 1**; listed activity 10 in **Listing Notice 2** and listed activity 4, 13, 14 and 16 in **Listing Notice 3** (Government Notice (GN) No. R544 and R546 of the 2010 Environmental Impact Assessment (EIA) Regulations).

Authorisation from the competent environmental authority, namely the Department of Environmental Affairs (DEA), via the Environmental Impact Assessment (EIA) process, as outlined in sections 21 to 25 of GN No. R543 in terms of NEMA, is necessary. Aurecon South Africa (Pty) Ltd (Aurecon) has been appointed to undertake the required NEMA process..

Notice is hereby given of the commencement of a public participation process in terms of the NEMA EIA Regulations 2010. The application for the above-mentioned project has been submitted to the competent authority in terms of these Regulations.

In terme van die Wet op Nasionale Omgewingsbestuur (Nr. 107 van 1998) (WNOB) word die voorgename projekt gelys as bedrywighede 1, 9, 10, 11, en 18 van **Kennisgewingslys 1**, bedrywigheid 10 van **Kennisgewingslys 2** en bedrywighede 4, 13, 14 en 16 van **Kennisgewingslys 3** (Goewermentskennisgewing (GK) Nr. R544 en R546 van die 2010 Omgewingsinvloedbepaling (OIB) regulasies).

Hierdie proses verg 'n magtiging van die bevoegde owerheid, naamlik die Departement van Omgewingsake, na afloop van 'n Omgewingsinvloedbepalingsproses (OIB) soos uiteengesit in Artikels 21 tot 25 van GK Nr. R543. Aurecon (Edms) Bpk (Aurecon) is aangestel om die vereiste WNOB-proses uit te voer.

Kennis geskied hiermee dat daar begin word met die proses van openbare deelname kragtens die WNOB se Regulasies vir Omgewingsinvloedbepalings 2010. Die aansoek vir die bogenoemde projek is reeds ingedien by die bevoegde owerheid in terme van hierdie Regulasies.

You are hereby notified of the proposed project and the availability of the Draft Scoping Report (DSR) for public review and comment from **17 July 2013 – 26 August 2013**. The Draft DSR will be available at the Groblershoop Public Library, at the offices of the Kheis Municipality in Groblershoop as well as on the Aurecon website (<http://www.aurecongroup.com>)- [change "Current Location" to South Africa, then click on '**Public participation**'.]

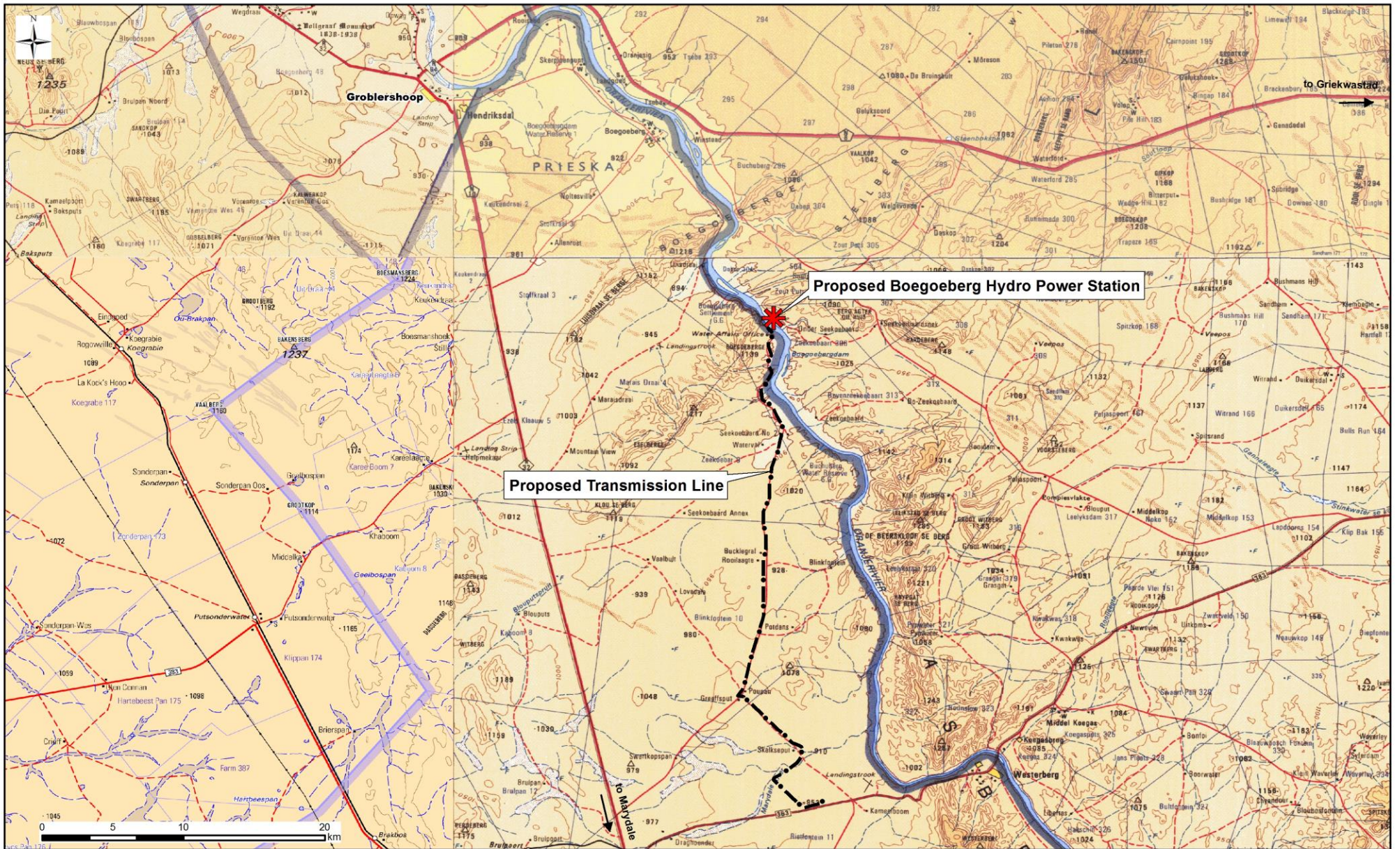
I&APs have until **26 August 2013** to submit comment by mail, phone, fax or e-mail on the proposed projects. Please submit your comments to Aurecon, Attention Simon Clark or Diane Erasmus, P.O. Box 494, Cape Town, 8000; Tel: (021) 526 6034; Fax: (021) 526 9500 or Email: [simon.clark@aurecongroup.com](mailto:simon.clark@aurecongroup.com) / [diane.erasmus@aurecongroup.com](mailto:diane.erasmus@aurecongroup.com)




U word hiermee van die proses in kennis gestel, asook van die beskikbaarheid van die Konsep Omvangbepalingsverslag (OBV), vanaf **17 Julie 2013 - 26 Augustus 2013**, vir openbare oorsig en kommentaar. Die Konsep OBV sal beskikbaar wees by die Groblershoop Openbare Biblioteek, by die kantore van die Kheis Munisipaliteit in Groblershoop sowel as op Aurecon se webblad (<http://www.aurecongroup.com>) –[verander 'Current Location' na Suid Afrika en kliek op '**Public participation**'.]

B&GPe kan tot en met **26 Augustus 2013** kommentaar op die beoogde projek indien. Rig u kommentaar aan Aurecon, Vir aandag Simon Clark of Diane Erasmus, Posbus 494, Kaapstad, 8000; Tel: (021) 526 6034; Faks: (021) 526 9500 of e-pos: [simon.clark@aurecongroup.com](mailto:simon.clark@aurecongroup.com) / [diane.erasmus@aurecongroup.com](mailto:diane.erasmus@aurecongroup.com)





 <a href="http://www.aurecongroup.com">www.aurecongroup.com</a>	DRAWING TITLE	PROJECT TITLE	SCALE:	DESIGNED	NOTES
	LOCALITY MAP	PROPOSED BOEGOEBERG HYDRO POWER STATION ON FARM ZEEKOEBAARD 306 NEAR GROBLERSHOOP, NORTHERN CAPE	1:350,000	DRAWN S.Swartz	
				CHECKED	
				APPROVAL	
					1:350,000 Aurecon GIS FILE NAME G:\Projects\E109636\mxd\boegoebergdam.mxd DRAWING NUMBER XXXXXXXXXXXXXXXX



Site access road Onder-Seekoebaard farm entrance - 29° 2'30.50"S, 22°16'5.96"E



Groblershoop Public Library - 28°53'38.54"S, 21°58'56.12"E Oranje St, Groblershoop 8850, South Africa



!Kheis Municipal Offices- 28°53'38.54"S, 21°58'56.12"E Oranje St, Groblershoop 8850, South Africa



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Docex: DX 204

15 July 2013

Email: [simon.clark@aurecongroup.com](mailto:simon.clark@aurecongroup.com)

Dear Sir/ Madam

**PROPOSED HYDROPOWER STATION AND ASSOCIATED INFRASTRUCTURE AT BOEGOEBERG DAM ON THE  
ORANGE RIVER, NEAR GROBLERSHOOP, NORTHERN CAPE:  
AVAILABILITY OF THE DRAFT SCOPING REPORT  
DEA Ref: 14/12/16/3/3/2/568; NEAS Ref: DEA/EIA/TBA**

The above-mentioned project has reference. The purpose of this letter is to notify Interested and Affected Parties (I&APs) of the proposed projects and provide I&APs an opportunity to comment on the Draft Scoping Report (DSR) for the proposed project.

### 1) Introduction

Boegoeberg Hydro Electric (Pty) Ltd (Boegoeberg Hydro) wishes to construct a hydropower station and associated infrastructure of approximately 10.05 Megawatt (MW) at Boegoeberg Dam on the Orange River, on the farm Zeekoebaart (Remainder of Farm no. 306 and Portion 1 of Farm no. 306), approximately 26km south east of Groblershoop.

The proposed project would use the existing Boegoeberg Dam to provide water to the in-take structure which would supply the hydropower plant. It is proposed to divert a maximum of 120m<sup>3</sup> of the total flow from the river. This diverted flow would then pass through the hydropower plant infrastructure and be returned to the river some 400m downstream of the weir in-take structure. The dam would always maintain the full irrigation requirements of the agricultural canal as well as an agreed quantity of water, or the Environmental Flow Reserve (EFR)<sup>1</sup>, to pass the dam wall. Therefore, only a portion of the water left over once the irrigation canal and EFR have been satisfied would be diverted into an in-take structure. The in-take structure regulates the amount of water transferred into the water conveyance infrastructure (i.e. canal/tunnel leading to the powerhouse). The water would then be channelled through a canal and/or tunnel to convey the water to the powerhouse to be used to turn the turbines and generate electricity. The water would then exit into the Orange River from the powerhouse through a tunnel known as the tailrace. The electricity generated would be evacuated through an overhead transmission line of 132kV or less to the Fibre Substation and then into the national grid.

### 2) Regulatory Processes

In terms of the National Environmental Management Act (No. 107 of 1998) (NEMA) the proposed projects trigger a number of listed activities and therefore a Scoping/ Environment Impact Assessment process in terms of the 2010 Environmental Impact Assessment (EIA) Regulations) is required. Boegoeberg Hydro has appointed Aurecon South Africa (Pty) Ltd to undertake the Scoping/EIA Process. An application for Scoping/EIA has been submitted to the competent environmental authority namely the National Department of Environmental Affairs (DEA).

### 3) Public Participation

You have been identified as a potential I&AP for this project, either because you represent an affected organisation or because of your proximity to the proposed projects. Public participation is an integral part of the environmental process, and more detail on the public participation process is included in the Executive

<sup>1</sup> Flow required to sustain the aquatic ecology in the river.



Summary. This includes a request for potential I&APs to recommend other potential I&APs to include on the database (chain referral process).

*Availability of the DSR*

The DSR has been compiled and can be reviewed at the Groblershoop Public Library, at Kheis Municipality in Groblershoop and on Aurecon's website ([www.aurecongroup.com](http://www.aurecongroup.com), change "Current Location" to South Africa, and then click on '**Public participation**'). The Executive Summary, which highlights the key findings of the DSR, is also enclosed.

I&APs have until **26 August 2013** to submit comments on the DSR.

**4) Way Forward**

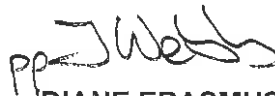
Should you have any comments or concerns regarding the proposed projects, please provide your comments in writing to Aurecon by email, fax or post, on or before **26 August 2013**. All comments received and issues raised will be included in a Comments and Response Report (CRR), which will be appended to the Final Scoping Report. Copies of the CRR will be sent to those who submitted comment. All registered I&APs will be notified when the Final Scoping Report available for comment.

If you have any questions or comments, or require clarification of the content of this letter, please contact **Simon Clark** or **Diane Erasmus** of Aurecon.

Yours sincerely  
AURECON



**SIMON CLARK**  
Practitioner: Environment & Advisory Services



**DIANE ERASMUS** (Cert. EAP)  
Associate: Environment & Advisory Services

15 Julie 2013

E-pos: [simon.clark@aurecongroup.com](mailto:simon.clark@aurecongroup.com)

Geagte Heer/ Dame

**BEOOGDE HIDROKRAGSENTRALE EN VERWANTE INFRASTRUKTUUR BY BOEGOEBERGDAM OP DIE  
ORANJERIVIER, NABY GROBLERSHOOP, NOORD-KAAP:  
BESKIKBAARHEID VAN DIE KONSEP OMVANGBEPALINGSVERSLAG  
DOS Verwysingsnr 14/12/16/3/3/2/568; NEAS Verwysingsnr: DEA/EIA/TBA**

Bogenoemde projek het betrekking. Die doel van hierdie brief is om Belanghebbende en Geaffekteerde Partye (B&GPe) van die voorgestelde projek in kennis te stel en B&GPe die geleentheid te bied om op die Konsep Omvangbepalingsverslag kommentaar te lewer.

## 1) Inleiding

Boegoeberg Hydro Electric (Edms) Bpk (Boegoeberg Hydro) is van voorneme om 'n hidrokragsentrale en verwante infrastruktuur wat ongeveer 10.05 Megawatt (MW) kan opwek by Boegoebergdam op die Oranjerivier te bou, en wel op die plaas Zeekoebaart (Restant van Plaas nr. 306 en Gedeelte 1 van Plaas nr. 306), ongeveer 26km suid-oos van die dorp Groblershoop.

Die beoogde projek sal die bestaande Boegoebergdam benut om water via 'n inlaatstruktuur na die hidro-elektrisiteitsaanleg te neem. Die voorstel is om nie meer as 120m<sup>3</sup> van die totale vloei in die rivier uit te keer nie. Die uitgekeerde vloei sal deur die hidrokragsentrale beweeg en ongeveer 400m stroomaf van die inlaatstruktuur na die rivier teruggeneem word. Die dam sal altyd aan die volle besproeiingsbehoefte van die landboukanaal voldoen. Verder sal 'n sekere ooreengekomde hoeveelheid water, of die Omgewingsvloei-reserwe (EFR)<sup>1</sup>, altyd oor die damwal vloei. Slegs 'n gedeelte van die water wat oorbly nadat daar voldoen is aan die behoeftes van die besproeiingskanaal en die EFR, sal na die inlaatstruktuur uitgekeer word. Die inlaatstruktuur reguleer die hoeveelheid water wat na die watervoer-infrastruktuur (i.e. kanaal/tonnel na die kragentrale) oorgedra sal word. Die water sal by wyse van 'n kanaal en/of tonnel na die kragentrale geneem word en gebruik word om die turbines te laat draai en elektrisiteit op te wek. Die water sal daarna by wyse van 'n tonnel, wat die onderloop genoem word, vanaf die kragentrale na die Oranjerivier teruggeneem word. Die opgewekte elektrisiteit sal via 'n oorhoofse transmissielyn van 132kV of minder na die Vesel-substasie geneem word, en vandaar na die nasionale netwerk.

## 2) Regulatoriese Proses

Die beoogde projek het 'n aantal gelyste aktiwiteite in terme van die Wet op Nasionale Omgewingsbestuur (Nr. 107 van 1998) (NEMA) tot gevolg, en is dus onderworpe aan 'n Omvangbepaling-/ Omgewingsinvloed-bepalingsproses kragtens die 2010 Regulasies vir 'n Omgewingsinvloedbepaling (OIB). Boegoeberg Hydro het Aurecon South Africa (Edms) Bpk aangestel om die Omvangbepaling-/ OIB-proses uit te voer. 'n Aansoek vir die Omvangbepaling/OIB is by die bevoegde owerheid, naamlik die Nasionale Departement van Omgewingsake (DOS), ingedien.

## 3) Openbare Deelname

U is as 'n moontlike B&GP vir hierdie projek geïdentifiseer, hetsy omdat u 'n geaffekteerde organisasie verteenwoordig, of naby die projek geleë/ woonagtig is. Openbare deelname is 'n integrale deel van die omgewingsproses, en meer inligting oor die omgewingsproses is in die Uitvoerende Opsomming beskikbaar. Dit sluit in die versoek aan moontlike B&GPe om ander moontlike B&GPe te identifiseer vir insluiting op die

<sup>1</sup> Vloei wat nodig is om die akwatiese ekologie in die rivier te behou.  
**Aurecon South Africa (Pty) Ltd** Reg No 1977/003711/07 ISO 9001 Certified  
**Board of Directors** (01/2013)  
BMH Tsita (Chairperson), PC Biersch, MG Dliiza, Member of CESA and ASAQs  
ZB Ebrahim, AB Geldenhuys, NN Gwagwa, SA le Roux, Silver Founding Member of the  
PC Lombard, AW Möhr, GT Rohde Green Building Council of  
South Africa

databasis (kettingverwysingsproses).

*Beskikbaarheid van die KOBV*

Die KOBV is voltooi en is beskikbaar by die Groblershoop Openbare Biblioteek, die Kheis Munisipaliteit te Groblershoop en op Aurecon se webblad ([www.aurecongroup.com](http://www.aurecongroup.com)), verander "Current Location" na "South Africa" en klik dan op '**Public participation**'. Die Uitvoerende Opsomming, waarin die vernaamste bevindinge van die KOBV vervat is, is ook ingesluit.

B&GPe het tot **26 Augustus 2013** kans om kommentaar op die Konsep OBV te lewer.

#### 4) Volgende Stappe

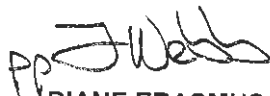
Indien u enige kommentaar of bedenkinge oor die beoogde projekte het, word u versoek om u skriftelike kommentaar op of voor **26 Augustus 2013** per e-pos, faks of pos aan Aurecon te stuur. Alle kommentaar wat ontvang is, sal in 'n Kommentaar- en Antwoordverslag (K&AV) vervat word, wat as 'n Bylae tot die Finale Omvangbepalingsverslag ingebind sal word. Elkeen wat kommentaar gelewer het sal 'n afskrif van die K&AV ontvang, en in kennis gestel word sodra die Finale Omvangbepalingsverslag vir kommentaar beskikbaar is.

Indien u enige vrae of kommentaar het, of meer klaarheid oor die brief verlang, word u versoek om met **Simon Clark** of **Diane Erasmus** van Aurecon in verbinding te tree.

Die uwe  
AURECON



**SIMON CLARK**  
Praktisyn: Omgewings- en Adviesdienste



**DIANE ERASMUS** (Sert. OBP)  
Assosiaat: Omgewings- en Adviesdienste

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13 September 2013

Email: [simon.clark@aurecongroup.com](mailto:simon.clark@aurecongroup.com)

Dear Sir/ Madam

**PROPOSED HYDROPOWER STATION AND ASSOCIATED INFRASTRUCTURE AT BOEGOEBERG DAM ON THE  
ORANGE RIVER, NEAR GROBLERSHOOP, NORTHERN CAPE:  
AVAILABILITY OF THE FINAL SCOPING REPORT  
DEA Ref: 14/12/16/3/3/2/568; NEAS Ref: DEA/EIA/TBA**

Our previous correspondence of 17 July 2013 regarding the above-mentioned project has reference. This letter serves to notify you of the availability of the Final Scoping Report (FSR) for the above-mentioned project for review. The executive summary, which highlights the key findings of the FSR, is also enclosed.

***Availability of the FSR***

The FSR has been compiled and can be viewed at the Groblershoop Public Library, at Kheis Municipality offices in Groblershoop and on Aurecon's website ([www.aurecongroup.com](http://www.aurecongroup.com), change "Current Location" to South Africa, and then click on 'Public participation').

Should you have any comments or concerns regarding the proposed project, please provide your comments in writing to Aurecon by email, fax or post, on or before **10 October 2013**. All comments received and issues raised will be included in a Comments and Response Report (CRR), which will be appended to the Draft Environmental Impact Report. Copies of the CRR will be sent to those who submitted comment.

If you have any questions or require clarification with regard to this letter please contact **Simon Clark** or **Diane Erasmus** of Aurecon.

**Aurecon**

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or *Diane Erasmus*  
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Fax: 044 805 5454  
Email: [diane.erasmus@aurecongroup.com](mailto:diane.erasmus@aurecongroup.com)

Yours sincerely  
AURECON



**SIMON CLARK**  
Practitioner: Environment & Advisory Services

**DIANE ERASMUS** (Cert. EAP)  
Associate: Environment & Advisory Services

File Reference: P:\Projects\109636 EA for Hydro Plant, Boegoeberg Dam\03 Project Delivery\PPPI\Letters\I&APs\IAP Ltr\_Eng.doc

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13 September 2013

E-pos: simon.clark@aurecongroup.com

Geagte Heer/ Dame

**BEOOGDE HIDROKRASSENTRALE EN VERWANTE INFRASTRUKTUUR BY BOEGOEBERG DAM OP DIE  
ORANJE RIVIER, NABY GROBLERSHOOP, NOORD-KAAP:  
BESKIKBAARHEID VAN DIE FINALE OMVANGBEPALINGSVERSLAG  
DOS Verwysingsnr 14/12/16/3/3/2/568; NEAS Verwysingsnr: DEA/EIA/TBA**

Ons vorige korrespondensie van 17 Julie 2013 het betrekking tot die bogenoemde projek. Hiermee word u in kennis gestel van die beskikbaarheid van die Finale Omvangbepalingsverslag (FOBV) vir hersiening. Die vernaamste bevindinge van die FOBV word ook ingesluit.

***Beskikbaarheid van die FOBV***

Die FOBV is beskikbaar by die Groblershoop Openbare Biblioteek, die Kheis Munisipaliteit kantore te Groblershoop en op Aurecon se webtuiste ([www.aurecongroup.com](http://www.aurecongroup.com), verander "Current Location" na "South Africa" en klik dan op '**Public participation**').

Indien u enige kommentaar of navrae oor die beoogde projekte het, word u versoek om u skriftelike kommentaar voor of op **10 Oktober 2013** per e-pos, faks of pos aan Aurecon te stuur. Alle kommentaar wat ontvang word, sal in 'n Kommentaar- en Antwoordverslag (K&AV) hervat word, wat as 'n bylae tot die Konsep-Omgewingsinvloedverslag aangeheg sal word. Elkeen wat kommentaar gelewer het sal 'n afskrif van die K&AV ontvang.

Indien u enige vrae of kommentaar het, of meer klaarheid oor die inhoud van die brief verlang, word u versoek om met **Simon Clark** of **Diane Erasmus** van Aurecon in verbinding te tree.

**Aurecon**

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Die uwe  
AURECON



**SIMON CLARK**

Praktisyn: Omgewings- en Adviesdienste

File Reference: P:\Projects\109636 EA for Hydro Plant, Boegoeberg Dam\03 Project Delivery\PPP\Letters\I&APs\FSR\Boegoeberg~Afr~IAP Ltr 12913.doc

**DIANE ERASMUS (Sert. OBP)**

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2 December 2013

Email: [simon.clark@aurecongroup.com](mailto:simon.clark@aurecongroup.com)

Dear Sir/ Madam

**PROPOSED HYDROPOWER STATION AND ASSOCIATED INFRASTRUCTURE AT BOEGOEBERG DAM ON THE  
ORANGE RIVER, NEAR GROBLERSHOOP, NORTHERN CAPE:  
AVAILABILITY OF THE DRAFT ENVIRONMENTAL IMPACT ASSESSMENT REPORT FOR COMMENT**

DEA Ref: 14/12/16/3/3/2/568; NEAS Ref: DEA/EIA/TBA

Our previous correspondence dated 13 September 2013 regarding the availability of the Final Scoping Reports for comment for the above mentioned project has reference. This letter serves to notify you of the availability of the Draft Environmental Impact Assessment Report (DEIR) for the above-mentioned project for review. The executive summary, which highlights the key findings of the DEIR, is also enclosed.

The Department of Environmental Affairs (DEA) approved the Scoping Report on 17 October 2013 and indicated that the projects could proceed to the Environmental Impact Assessment (EIA) Phase.

**Availability of the DEIR**

The DEIR can be viewed at the Groblershoop Public Library, at the Kheis Municipality offices in Groblershoop and on Aurecon's website ([www.aurecongroup.com](http://www.aurecongroup.com), change "Current Location" to South Africa, and then click on 'Public Participation').

Should you have any comments or concerns regarding the proposed project, please provide your comments in writing to Aurecon by email, fax or post, on or before **29 January 2014**. All comments received and issues raised will be included in a Comments and Response Report (CRR), which will be appended to the Final Environmental Impact Report. Copies of the CRR will be sent to those who submitted comments.

If you have any questions or require clarification with regard to this letter please contact **Simon Clark** or **Diane Erasmus** of Aurecon.

**Aurecon**

*Simon Clark*  
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Yours sincerely  
AURECON



**SIMON CLARK**  
Practitioner: Environment & Advisory Services



**DIANE ERASMUS** (Cert. EAP)  
Associate: Environment & Advisory Services

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2 Desember 2013

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Geagte Heer/ Dame

**BEOOGDE HIDROKRAGSENTRALE EN VERWANTE INFRASTRUKTUUR BY BOEGOEBERG DAM OP DIE  
ORANJE RIVIER, NABY GROBLERSHOOP, NOORD-KAAP:  
BESKIKBAARHEID VAN DIE KONSEP OMGEWINGSINVLOEDBEPALING VIR KOMMENTAAR  
DOS Verwysingsnr 14/12/16/3/3/2/568; NEAS Verwysingsnr: DEA/EIA/TBA**

Ons vorige korrespondensie van 13 September 2013 rakende die beskikbaarheid van die Finale Omvangbepalingsverslag vir kommentaar vir die bogenoemde projek het betrekking. Met hierdie brief word u in kennis gestel van die beskikbaarheid van die Konsep Omgewingsinvloedverslag (KOIBv) vir die bogenoemde projek, vir oorsig. Die uitvoerende opsomming, wat die belangrikste bevindinge van die KOIVaandui, is hierby ingesluit.

Die Departement van Omgewingsake (DoS) het die KOIBv op 17 Oktober 2013 goedgekeur en het aangedui dat die projek kan voortgaan na die Omgewingsinvloedbepaling (OIB) fase .

***Beskikbaarheid van die KOIBv***

Die KOIBv is beskikbaar by die Groblershoop Openbare Biblioteek, die Kheis Munisipaliteit kantore te Groblershoop en vanaf Aurecon se webtuiste ([www.aurecongroup.com](http://www.aurecongroup.com), verander "Current Location" na "South Africa" en klik dan op die '**Public Participation**' skakel.

Indien u enige kommentaar of navrae oor die beoogde projek het, word u versoek om u skriftelike kommentaar voor of op **29 Januarie 2014** per e-pos, faks of pos aan Aurecon te stuur. Alle kommentaar wat ontvang word, sal in 'n Kommentaar- en Antwoordverslag (K&AV) ingesluit word, wat as 'n bylae tot die Finale Omgewingsinvloedbepalingsverslag aangeheg sal word. Elkeen wat kommentaar gelewer het sal 'n afskrif van die K&AV ontvang.

Indien u enige vrae of kommentaar het, of meer inligting verlang, word u versoek om met **Simon Clark** of **Diane Erasmus** van Aurecon in verbinding te tree.

**Aurecon**

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Die uwe  
AURECON



**SIMON CLARK**

Praktisyn: Omgewings- en Adviesdienste

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**DIANE ERASMUS (Sert. OBP)**

Assosiaat: Omgewings- en Adviesdienste

## Email Notification DSR 17July 2013

From:  Simon Clark Sent: Wed 7/17/2013 12:37 PM  
To:  
Cc:  
Bcc:  'mrabothata@environment.gov.za';  'nuys@ncpg.gov.za';  'ayaphi@upprov.ncape.gov.za';  'thebeo@dwa.gov.za';  'kubayie@dwa.gov.za';  'snydersl@dwaf.gov.za';  'ronneywest@kheis.gov.za';  'psk.muni@prieska.co.za';  'dngxanga@siyanda.gov.za';  KATHRYN SMUTS (KSMUTS@sahra.org.za);  'John.geeringh@eskom.co.za';  'lukes@ewt.org.za';  'andrewp@ewt.org.za';  'molese@ncpg.gov.za';  'ratha.timothy@gmail.co.za';  'pkesakalwe@ncpg.gov.za';  'sebabaso.mokuele@energy.gov.za';  'LucindaVaniyk@ncpg.gov.za';  'ramon@vodamail.co.za';  'zschmidt@ncpg.gov.za';  'ratha.timothy@gmail.com';  'marong@agri.ncape.gov.za';  'director@birdlife.org.za';  'gyrosa@cordial.co.za';  'thokob@nda.agric.za';  'MashuduMa@daff.gov.za';  'fortune@agri.ncape.gov.za';  'northerncape tourism@telkomsa.net';  'Km White';  'ronneywest@kheis.gov.za';  'wilson@wwf.org.za';  'ssithole@wwf.org.za';  'wessanc@yahoo.com';  'rugbreek@gmail.com';  'gertgreff@yahoo.com';  'wilkoib@gmail.com';  'groenweide@gmail.com';  'johnniesmit@yahoo.com';  Diane Erasmus;  'poen@bbmupington.co.za';  'zadreyk@gmail.com'  
Subject: PROPOSED BOEGOEBERG HYDROPOWER STATION - AVAILABILITY OF THE DRAFT SCOPING REPORT DEA Ref: 14/12/16/3/2/568

Message  B4 Eng Itr to I&AP re DSR.pdf  B5 Afr Itr re I&AP re DSR.pdf  2 Eng-Non Tech Sum.pdf  3 Afr-Non Tech Sum.pdf

Dear Sir/ Madam

**PROPOSED BOEGOEBERG HYDROPOWER STATION AND ASSOCIATED INFRASTRUCTURE AT BOEGOEBERG DAM ON THE ORANGE RIVER, NEAR GROBLERSHOOP, NORTHERN CAPE:  
AVAILABILITY OF THE DRAFT SCOPING REPORT  
DEA Ref: 14/12/16/3/2/568; NEAS Ref: DEAEIWTBA**

The above-mentioned project has reference. The purpose of this email is to notify Interested and Affected Parties (I&APs) of the proposed projects and provide I&APs an opportunity to comment on the Draft Scoping Report (DSR) for the proposed project. Please see the attached notification letters and non-technical executive summaries.

Should you have any comments or concerns regarding the proposed projects, please provide your comments in writing to Aurecon by email, fax or post, on or before **26 August 2013**. All comments received and issues raised will be included in a Comments and Response Report (CRR), which will be appended to the Final Scoping Report. Copies of the CRR will be sent to those who submitted comment. All registered I&APs will be notified when the Final Scoping Report available for comment.

A Public Meeting is proposed to present the findings of the DSR. However this will only take place if public interest indicates a need for this. If there is sufficient interest, an open house will be held on **Wednesday, 7 August 2013** from 16h00 – 17h00 with a formal presentation followed by an Question and Answer session from 17h00 – 19h00. The venue is the **Groblershoop Library Hall, 97 Oranjestraat, Groblershoop**. Please RSVP before **29 July 2013** to indicate the need for the meeting.

If you have any questions or comments, or require clarification of the content of the attached, please contact **Simon Clark** or **Diane Erasmus** of Aurecon.

Yours sincerely  
AURECON

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Simon Clark



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KATHRYN SMUTS



'John.geeringh@eskom...



'lukes@ewt.org.za'



## Email Notification of cancellation of Public Meeting 2 August 2013

From: Simon Clark  
To:  
Cc: 'mrbothata@environment.gov.za'; 'nuys@ncpg.gov.za'; 'ayaphi@upprov.ncape.gov.za'; 'thebeo@dwa.gov.za'; 'kubayie@dwa.gov.za'; 'snydersl@dwaf.gov.za'; 'ronneywest@kheis.gov.za'; 'psk.muni@prieska.co.za'; 'dngxanga@siyanda.gov.za'; 'John.geeringh@eskom.co.za'; 'andrewp@ewt.org.za'; 'tmolese@nctg.gov.za'; 'yatha.timothy@gmail.co.za'; 'pkegakiwe@ncpg.gov.za'; 'sebabatso.mokuele@energy.gov.za'; 'Lucindavanwyk@ncpg.gov.za'; 'ramon@vodamail.co.za'; 'zschmidt@ncpg.gov.za'; 'lmanong@agri.ncape.gov.za'; 'director@birdlife.org.za'; 'gyrosa@corpdl.co.za'; 'thokob@nda.agric.za'; 'MashuduMa@daff.gov.za'; 'cfortune@agri.ncape.gov.za'; 'northerncape tourism@telkomsa.net'; 'wessanc@yahoo.com'; 'rugbreek@gmail.com'; 'gertgreiff@yahoo.com'; 'wilkoib@gmail.com'; 'groenweide@gmail.com'; 'johannesmit@yahoo.com'; 'SFHSERV@dwa.gov.za'; Simon Clark  
Subject: PROPOSED BOEGOEBERG HYDROPOWER STATION - Cancellation of proposed meeting DEA Ref: 14/12/16/3/3/2/568

Message Meeting cancellation letters 2813.pdf

Dear Sir/ Madam

### PROPOSED HYDROPOWER STATION AND ASSOCIATED INFRASTRUCTURE AT BOEGOEBERG DAM ON THE ORANGE RIVER, NEAR GROBLERSHOOP, NORTHERN CAPE:

#### CANCELLATION OF PUBLIC MEETING

DEA Ref. 14/12/16/3/3/2/568; NEAS Ref. DEAEIATBA

Our previous correspondence of 17 July 2013 notifying Interested and Affected Parties (I&APs) of a proposed public meeting for the above-mentioned project has reference. The purpose of this email is to notify I&APs that the proposed public meeting has been **cancelled** as there was insufficient public interest. Please see the attached notification letters for the cancellation.

The Draft Scoping Report (DSR) can be viewed at the Groblershoop Public Library, at Kheis Municipality in Groblershoop and on Aurecon's website ([www.aurecongroup.com](http://www.aurecongroup.com), change "Current Location" to South Africa, and then click on '**Public participation**'). I&APs have until **26 August 2013** to submit comments on the DSR.

If you have any questions or comments, or require clarification of the content of this email, please contact the undersigned.

Yours sincerely  
AURECON

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## Email Notification FSR + CRR 16 September 2013

From:  Kim White  
To:  Simon Clark Sent: Mon 9/16/2013 10:17 AM  
Cc:  Francinamo@daff.gov.za;  vanderwesthuizen@dwa.gov.za;  benenmartie@gmail.com;  nwilson@wwf.org.za  
Subject: PROPOSED BOEGOEBERG HYDROPOWER STATION - AVAILABILITY OF THE FINAL SCOPING REPORT - DEA Ref: 14/12/16/3/3/2/568  
Message 1 Eng-Non Tech Sum FSR.PDF 2 Afr-Non Tech Sum FSR.PDF Eng Ltr re avail of FSR.PDF Afr Ltr re avail of FSR.PDF CRR re DSR Eng.pdf

Dear Sir/ Madam

**PROPOSED BOEGOEBERG HYDROPOWER STATION AND ASSOCIATED INFRASTRUCTURE AT BOEGOEBERG DAM ON THE ORANGE RIVER, NEAR GROBLERSHOOP, NORTHERN CAPE:  
AVAILABILITY OF THE FINAL SCOPING REPORT  
DEA Ref. 14/12/16/3/3/2/568, NEAS Ref. DE/A/EIA/TBA**

The above-mentioned project has reference. The purpose of this email is to notify Interested and Affected Parties (I&APs) of the proposed project and provide I&APs an opportunity to comment on the Final Scoping Report (FSR) for the proposed project. Please see the attached notification letters, non-technical executive summaries, and the Comments and Response Report (CRR) from the Draft Scoping Report.

Should you have any comments or concerns regarding the proposed project, please provide your comments in writing to Aurecon by email, fax or post, on or before **10 October 2013**. All comments received and issues raised will be included in a CRR, which will be appended to the Draft Environmental Impact Assessment Report (EIR). Copies of the CRR will be sent to those who submitted comment. All registered I&APs will be notified when the Draft EIR will be available for comment.

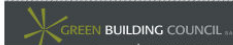
If you have any questions or comments, or require clarification of the content of the attached, please contact **Simon Clark** or **Diane Erasmus** of Aurecon.

Yours sincerely  
AURECON

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Kim White



Simon Clark

Environmental Consultant



FrancinaMO



Van der Westhuizen Walt...benenmartie@gmail.com



nwilson@wwf.org.za

## Email Notification FSR 16 September 2013

From:  Kim White  
To:  Simon Clark Sent: Mon 9/16/2013 10:48 AM  
Cc:  'mrabothata@environment.gov.za';  'nuys@ncpg.gov.za';  'ayaphi@upprov.ncape.gov.za';  'RanwedziM@dwa.gov.za';  'AbrahamsA@dwa.gov.za';  'SFHSERV@dwa.gov.za';  'VisserD@dwa.gov.za';  'ManusL@dwa.gov.za';  'NdumoN@dwa.gov.za';  'teresascheepers@vodamail.co.za';  'mm@siyathemba.gov.za';  'hastingsnel@gmail.com';  'douglas@siyancuma.gov.za';  'dngxanga@siyanda.gov.za';  'mramagoshi@sahra.org.za';  'lukes@ewt.org.za';  'andrewp@ewt.org.za';  'molese@ncpg.gov.za';  'pkegakilwe@ncpg.gov.za';  'sebatso.mokuele@energy.gov.za';  'Lucindavanwyk@ncpg.gov.za';  'ramon@vodamail.co.za';  'zschmidt@ncpg.gov.za';  'ratha.timothy@gmail.com';  'Imanong@agri.ncape.gov.za';  'director@birdlife.org.za';  'gyrosa@corpdiol.co.za';  'thokob@nda.agric.za';  'MashuduMa@daff.gov.za';  'cfortune@agri.ncape.gov.za';  'reception@experienccortherncape.com';  'ssithole@wwf.org.za';  'wessanc@yahoo.com';  'rugbreek@gmail.com';  'poen@bbmupington.co.za';  'gertgreeff@yahoo.com';  'wilkoib@gmail.com';  'groenweide@gmail.com';  'johnniesmit@yahoo.com';  'heidie@botken.co.za';  'Diane Erasmus'  
Subject: PROPOSED BOEGOEBERG HYDROPOWER STATION - AVAILABILITY OF THE FINAL SCOPING REPORT - DEA Ref: 14/12/16/3/2/568  
Message  1 Eng-Non Tech Sum FSR.PDF  2 Afr-Non Tech Sum FSR.PDF  Eng Ltr re avail of FSR.PDF  Afr Ltr re avail of FSR.PDF

Dear Sir/ Madam

**PROPOSED BOEGOEBERG HYDROPOWER STATION AND ASSOCIATED INFRASTRUCTURE AT BOEGOEBERG DAM ON THE ORANGE RIVER, NEAR GROBLERSHOOP, NORTHERN CAPE:  
AVAILABILITY OF THE FINAL SCOPING REPORT  
DEA Ref. 14/12/16/3/2/568; NEAS Ref. DEAEIA/TBA**

The above-mentioned project has reference. The purpose of this email is to notify Interested and Affected Parties (I&APs) of the proposed project and provide I&APs an opportunity to comment on the Final Scoping Report (FSR) for the proposed project. Please see the attached notification letters and non-technical executive summaries.

Should you have any comments or concerns regarding the proposed project, please provide your comments in writing to Aurecon by email, fax or post, on or before **10 October 2013**. All comments received and issues raised will be included in a Comments and Response Report (CRR), which will be appended to the Draft Environmental Impact Assessment Report (EIR). Copies of the CRR will be sent to those who submitted comment. All registered I&APs will be notified when the Draft EIR will be available for comment.

If you have any questions or comments, or require clarification of the content of the attached, please contact **Simon Clark** or **Diane Erasmus** of Aurecon.

Yours sincerely  
AURECON

**Simon Clark**  
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Kim White



Simon Clark

Environmental Consultant



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Abrahams Abe (KBY)



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Visser Dries (BFN)



Manus Leonardo



Ndumo Nelly Dineo (N...



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'mm@siyathemba.gov.za'

## Email Notification DEIR 2 December 2014

From:  Simon Clark Sent: Mon 12/2/2013 11:50 AM  
To:  
Cc:  
Bcc:  'teresascheepers@vodmail.co.za';  'lmanong@agri.ncape.gov.za';  'sebatatso.mokuele@energy.gov.za';  'tsangweni@environment.gov.za';  'AbrahamsA@dwa.gov.za';  'thebeo@dwa.gov.za';  'RanwedziM@dwa.gov.za';  'John.geeringh@eskom.co.za';  'nuys.denc@gmail.com';  'ayaphi@upprov.ncape.gov.za';  'ratha.timothy@gmail.com';  'hastingsnel@gmail.com';  'douglas@siyancuma.gov.za';  'dngxanga@siyanda.gov.za';  'mm@siyathemba.gov.za';  'KATHRYN SMUTS (KSMUTS@sahra.org.za)';  'mramagoshi@sahra.org.za';  'wessanc@yahoo.com';  'transboegoe4u@gmail.com';  'gyrosa@corpdlal.co.za';  'andrew@gravity.co.za';  'groenweide@gmail.com';  'thokob@nda.agric.za';  'benenmarie@gmail.com';  'pkegakliwe@ncpg.gov.za';  'visserD@dwa.gov.za';  'AbrahamsA@dwa.gov.za';  'ManusL@dwa.gov.za';  'NdumoN@dwa.gov.za';  'VanderWesthuizenW@dwa.gov.za';  'Francinamo@daff.gov.za';  'gertgreiff@yahoo.com';  'info@apa.org.za';  'heidle@botken.co.za';  'johnniesmit@yahoo.com';  'lculwick@sidaala.com';  'tukes@ewt.org.za';  'andrewp@ewt.org.za';  'director@birdlife.org.za';  'MashuduMa@daff.gov.za';  'Lucindavarnwyk@ncpg.gov.za';  'mtimkuz@caa.co.za';  'mmolokwane@ncpg.gov.za';  'dekodr@nra.co.za';  'nwilson@wvf.org.za';  'ssthole@wvf.org.za';  'ramon@vodmail.co.za';  'zschmidt@ncpg.gov.za';  'sam.braid.22@gamil.com';  
Subject: PROPOSED BOEGOEBERG HYDROPOWER STATION DEA Ref: 14/12/16/3/3/2/568 - AVAILABILITY OF THE DRAFT ENVIRONMENTAL IMPACT ASSESSMENT REPORT

Message Boegoeberg I&AP Letter 02122013.pdf Non-tech summary Afr Final.pdf Non-tech summary Eng Final.pdf

Dear Sir/ Madam

**PROPOSED BOEGOEBERG HYDROPOWER STATION AND ASSOCIATED INFRASTRUCTURE AT BOEGOEBERG DAM ON THE ORANGE RIVER, NEAR GROBLERSHOOP, NORTHERN CAPE:  
AVAILABILITY OF THE DRAFT ENVIRONMENTAL IMPACT ASSESSMENT REPORT**  
DEA Ref. 14/12/16/3/3/2/568

The purpose of this email is to notify Interested and Affected Parties (I&APs) of the opportunity to comment on the Draft Environmental Impact Assessment Report (EIR) for the abovementioned project. Please see the attached notification letters and non-technical executive summaries.

The hard copies of the Draft EIR can be viewed at the Groblershoop Public Library, at the Kheis Municipality offices in Groblershoop and electronic copies are available on Aurecon's website - <http://aurecon.webfoundryza.com/index.php?id=180> (full annexures) or on Dropbox - <https://www.dropbox.com/sh/fb9qx37age9cgdj/6aJzaBSlw8> (no annexures).

Should you have any comments or concerns regarding the proposed project, please provide your comments in writing to Aurecon by email, fax or post, on or before **29 January 2014**.

Yours sincerely  
AURECON

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Simon Clark



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'ratha.timothy@gmail.c...



'hastingsnel@gmail.com'

## Email Notification Request for Comments 13 January 2014

From:  Kim White  
To:  Kim White  
Cc:  Simon Clark;  Diane Erasmus  
Bcc:  'teresascheepers@vodamail.co.za';  'lmanong@agri.ncape.gov.za';  'sebatso.mokuele@energy.gov.za';  'tsangweni@environment.gov.za';  'AbrahamsA@dwa.gov.za';  'thebeo@dwa.gov.za';  'RanwedziM@dwa.gov.za';  John Geeringh (GeerinJH@eskom.co.za);  'nuys.denc@gmail.com';  'ayaphi@upprov.ncape.gov.za';  'ratha.timothy@gmail.com';  'hastingsnel@gmail.com';  'douglas@siyancuma.gov.za';  'dngxanga@siyanda.gov.za';  'mm@siyathemba.gov.za';  'ksmuts@sahra.org.za';  'ntoerien1@gmail.com';  'pkegaliwe@ncpg.gov.za';  'VisserD@dwa.gov.za';  'ManusL@dwa.gov.za';  'NduomN@dwa.gov.za';  'VanderWesthuizenW@dwa.gov.za';  'Francinamo@daff.gov.za';  'MashuduMa@daff.gov.za';  'Luchdavanwyk@ncpg.gov.za';  'mmolokwane@ncpg.gov.za';  'dekock@nrta.co.za';  'ramon@vodamail.co.za';  'tmolese@nctg.gov.za';  'cfortune@agri.ncape.gov.za';  'reception@experiencotherncape.com'  
Subject: DEIAR PROPOSED HYDROPOWER STATION AND ASSOCIATED INFRASTRUCTURE AT BOEGOEBERG DAM DEA Ref. 14/12/16/3/3/2/568 - Request for comments

**PROPOSED HYDROPOWER STATION AND ASSOCIATED INFRASTRUCTURE AT BOEGOEBERG DAM ON THE ORANGE RIVER, NEAR GROBLERSHOOP, NORTHERN CAPE:  
REQUEST FOR COMMENTS ON THE DRAFT ENVIRONMENTAL IMPACT ASSESSMENT REPORT**  
DEA Ref. 14/12/16/3/3/2/568; NEAS Ref. DEAEIATBA

Dear Authority,

We would like to remind you that the Public Participation Process for the above-mentioned project will end on Wednesday, **29 January 2014**. Should you wish to make any comments on the Draft Environmental Impact Assessment Report or raise concerns or support, please do so on or before **29 January 2014**.

Your input would be greatly appreciated.

Kind regards,

**Simon Clark**  
Aurecon  
T +27 21 526 6034 C +27 84 614 7800  
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Kim White



Kim White

Environmental Scientist



Simon Clark

Environmental Consultant



Diane Erasmus

Environmental Practitioner



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John Geeringh



'nuys.denc@gmail.com'

## Email Notification of Public Meeting 31 January 2014

From:  Simon Clark Sent: Fri 1/31/2014 4:37 PM  
 To:  
 Cc:  
 Bcc:  'teresascheepers@vodamail.co.za';  'lmanong@agri.ncape.gov.za';  'sebatso.mokuele@energy.gov.za';  'tsangweni@environment.gov.za';  'AbrahamsA@dwa.gov.za';  'thebeo@dwa.gov.za';  'RanwedziM@dwa.gov.za';  'John.geeringh@eskom.co.za';  'nuys.denc@gmail.com';  'ayaphi@upprov.ncape.gov.za';  'ratha.timothy@gmail.com';  'hastingsnel@gmail.com';  'douglas@siyancuma.gov.za';  'dngkanga@siyanda.gov.za';  'mm@siyathemba.gov.za';  KATHRYN SMUTS (KSMUTS@sahra.org.za);  'mramagoshi@sahra.org.za';  'nterrien1@gmail.com';  'wessanc@yahoo.com';  'transboegoe4@gmail.com';  'gyrosa@cordial.co.za';  'andrew@gravity.co.za';  'groenweide@gmail.com';  'thokob@nda.agric.za';  'benenmarie@gmail.com';  'calitz.michel@gmail.com';  'pkegaklive@ncpg.gov.za';  'Visser Dries (BFN) (VisserD@dwa.gov.za)';  'AbrahamsA@dwa.gov.za';  'Manusl@dwa.gov.za';  'NdumoN@dwa.gov.za';  'VanderWesthuizenW@dwa.gov.za';  'FrancinaMO (FrancinaMO@daff.gov.za)';  'gertgreff@yahoo.com';  'Info@apa.org.za';  'heidie@botken.co.za';  'johnniesmit@yahoo.com';  'lculwick@sidala.com';  'Lukes@ewt.org.za';  'andrewp@ewt.org.za';  'director@birdlife.org.za';  'MashuduMa@daff.gov.za';  'Lucindavanwyk@ncpg.gov.za';  'mtimkuluz@caa.co.za';  'mmolokwane@ncpg.gov.za';  'dekodr@nra.co.za';  'nwilson@wvf.org.za';  
 Subject: PUBLIC MEETING - BOEGOEBERG - 10 FEBRUARY 2014 - PROPOSED HYDROPOWER STATION AND ASSOCIATED INFRASTRUCTURE AT BOEGOEBERG DAM DEA REF: 14/12/16/3/3/2/568

Message IAP Itr re Boegoeberg public meeting Feb 10.pdf Afr-IAP Itr re Boegoeberg public meeting Feb 10.pdf

Dear Sir/ Madam

**PROPOSED HYDROPOWER STATION AND ASSOCIATED INFRASTRUCTURE AT BOEGOEBERG DAM ON THE ORANGE RIVER, NEAR GROBLERSHOOP, NORTHERN CAPE:**  
 DEA REF: 14/12/16/3/3/2/568; NEAS REF: DEAEIA/TBA  
**BOEGOEBERG PUBLIC MEETING**

Interested and Affected Parties (I&APs) in the vicinity of the proposed project are hereby invited to attend a public meeting at the Boegoeberg community Hall, School Street on **10 February 2014**. An open-house is proposed from **16h00** where I&APs can engage with the project team and view posters. I&APs are asked to **R.S.V.P** in order for the project team to confirm the venue can cater for the number of attendees.

Place	Venue	Date and Time
Boegoeberg	Boegoeberg Community Hall, School Street	10 February 2014 16h00-19h00

If you have any questions or comments, or require clarification of the content of the attached, please contact Simon Clark or Diane Erasmus of Aurecon.

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# BEOOGDE HIDROKRAGSENTRALE EN VERWANTE INFRASTRUKTUUR BY BOEGOEBERGDAM OP DIE ORANJERIVIER, NABY GROBLERSHOOP, NOORD-KAAP

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**Hydro  
SA**  
(Pty) Ltd  
Registration No. 2013/078866/07

## OMGEWINGSINVLOEDBEPALINGS PROSES

### *Nie-tegniese Opsomming van die OIB-verslag*

Boegoeberg Hydro Electric Power (Edms) Bpk (Boegoeberg Hidrokragsentrale) beoog om 'n 11 Megawatt (MW) hidrokragsentrale op te rig by die Boegoeberg Dam op die Oranje Rivier, naby Groblershoop in die Noord-Kaap om krag op 'n hernubare manier op te wek.

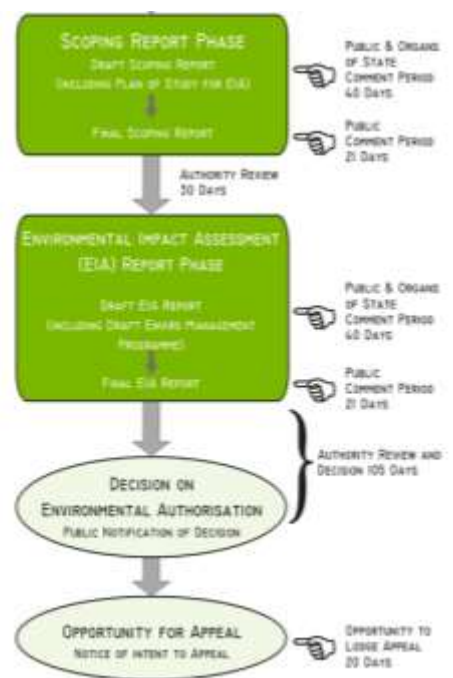
In terme van die omgewingswetgewing<sup>1</sup>, word 'n Omgewingsinvloedbepaling (OIB) proses verlang en die nasionale Departement van Omgewingsake (DOS) moet dit goedkeur voor die beoogde projek mag voortgaan. Aurecon Suid-Afrika (Edms) Bpk (Aurecon) onderneem die OIB proses om die omgewings en sosio-ekonomiese impakte te ondersoek om sodoende die owerhede te help om 'n besluit te neem en om die ontwerp en bestuur van die beoogde hidrokragsentrale te lei.

### HOE WERK 'N OMGEWINGSINVLOEDBEPALINGS PROSES?

'n OIB evalueer omgewings en sosio-ekonomiese aspekte van die beoogde projek asook die nagevolge van die projek op die omgewing en die mense wat in die geaffekteerde area leef. Maatreëls word aanbeveel om negatiewe impakte te vermy of te verminder tot 'n vlak wat as aanvaarbaar beskou word vanaf 'n omgewings- en sosiale oogpunt. Waar die projek positiewe impakte kan veroorsaak, word maatreëls ingesluit om die positiewe impakte te vermeerder. Die OIB proses gee ook die geleentheid aan Belanghebbende en of Geaffekteerde Partye om kommentaar te lewer op die projek en om ingelig te word oor enige besluite wat hulle of die omgewing kan beïnvloed. Die verskeie fases van die proses word aangedui in Figuur 1.

Hierdie is 'n nie-tegniese opsomming van die Konsep OIB verslag wat die volgende insluit:

- 'n Inleiding tot die beoogde hidrokragsentrale en 'n oorsig van die wetgewing;
- 'n Oorsig van die benadering tot die OIB en 'n beskrywing van die openbare deelname proses tot op hede;



Figuur 1 OIB proses

<sup>1</sup> Die Wet op Nasionale Omgewingsbestuur (Wet No. 107 van 1998) (soos gewysig) (WNOB)

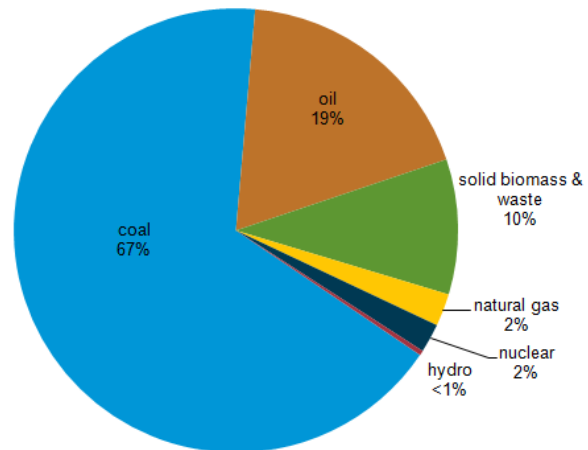
- 'n Beskrywing van die beoogde projek insluitend alternatiewe wat oorweeg word, en rede vir die projek;
- 'n Bepaling van betekenisvolheid van die moontlike projek impakte;
- Aanbevelings om die impakte te bestuur; en
- 'n Lewensiklus Omgewingsbestuursplan om die beplanning, konstruksie, operasionele en sluitings impakte te bestuur.

Hierdie opsomming verskaf 'n nie-tegniese oorsig van wat in die volledige Konsep OIBv ingesluit word en kan nie die Konsep OIBv vervang nie en dit word dus aanbeveel dat die laasgenoemde ook gelees word om meer inligting te verkry.

## WAAROM WORD DIE HIDROKRAGSENTRALE BENODIG?

Soos aangedui in Figuur 2, wek Suid-Afrika tans die meerderheid krag op deur middel van steenkool en soek na maniere om die kragoptewek van 'n verskeidenheid bronne. Dit word gemotiveer deur die bekommernisse oor klimaatsverandering, die deurlopende gebruik van nie-hernubare bronne.

Hernubare energie word internasionaal beskou as 'n groot bydraer tot die vermindering van die impak van klimaatsverandering. Dit verskaf ook 'n verskeidenheid omgewings, ekonomies en sosiale voordele wat kan lei tot langtermyn globale volhoubaarheid. Die projek sal ook 'n bydrae lewer om die nasionale energie mikpunte, soos bepaal deur die Departement van Energie, te bereik. Die beoogde projek sal ook Suid-Afrika help om internasionale verpligtinge na te kom deur die binnelandse beleid aan te pas met internasionale strategieë en standaarde soos uiteengesit deur die Kyoto-protokol en die Verenigde Nasies se Konvensie oor Biologiese Diversiteit.



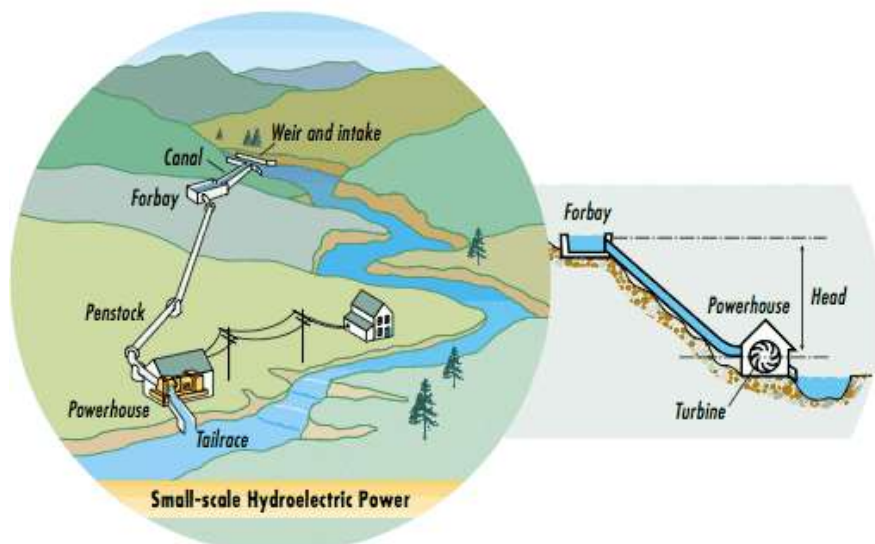
Source: U.S. Energy Information Administration

Figuur 2 | Kragkapasiteit van Suid-Afrika tydens 2010

## HOE WERK 'N TIPIESE HIDROKRAGSENTRALE?

Die beoogde hidrokragsentrale soos aangedui in Figuur 3, is "run-of-river" (wat beteken data is geen berging van water buite die stroom nie). 'n Verskeidenheid van strukture word benodig om krag op te wek deur die natuurlike vloei en verskil in hoogte van die rivier te gebruik deur water te lei deur die turbines wat opwekkers laat draai.

Die vloei van die water laat draai turbines, wat kinetiese energie (bewegingsenergie) van die vloei gebruik om energie op te wek. Die kragstasie sal dus onderhewig wees aan



Figuur 3 | Illustration of a run-of-river hydropower station  
[Source: <http://enermed.cres.gr> (Accessed: 28 June 2013)]



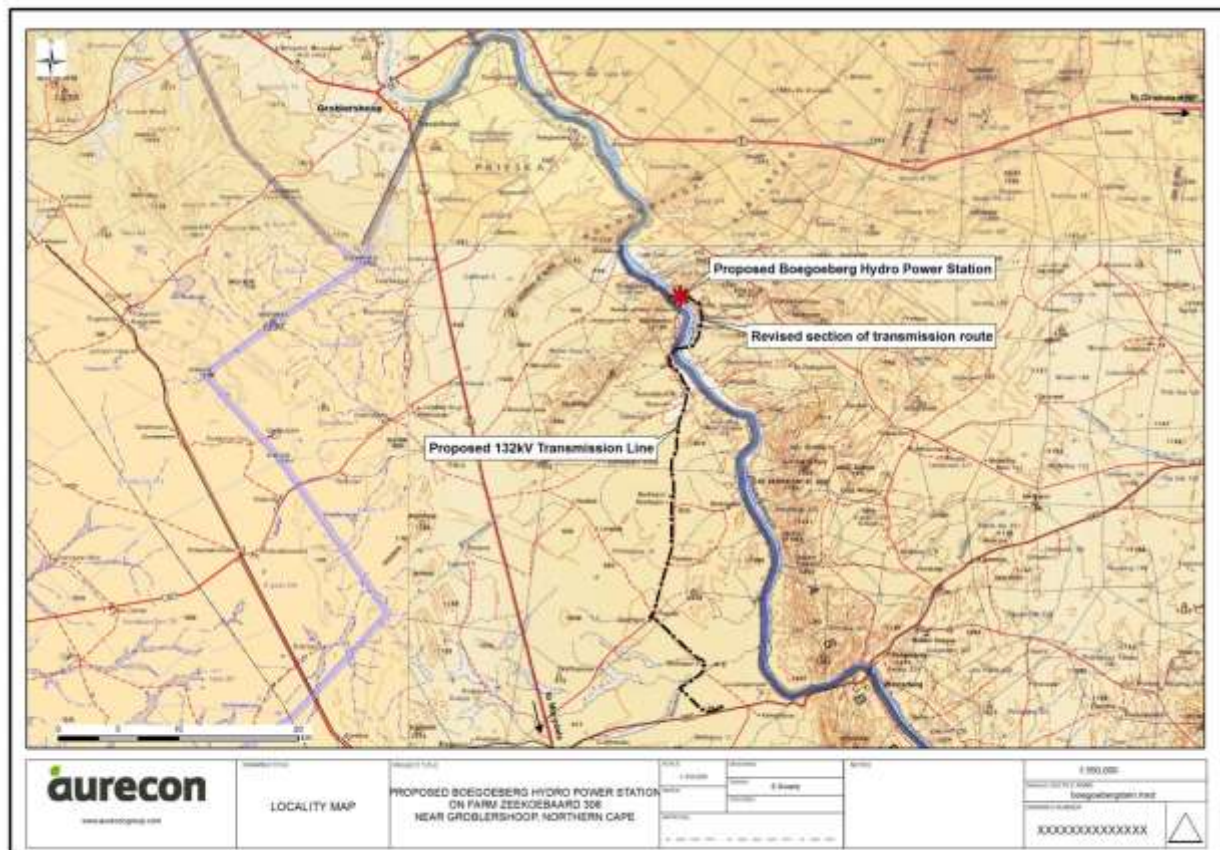
seisoenale rivier vloei, en sal tydens lae vloei tydperke nie werk nie. Elektrisiteit wat opgewek word sal aansluit by substasies.

## WAT WORD BEOOG EN WAAR?

Boegoeberg Hidro stel voor om 'n hidrokragsentrale te bou met 'n opwekkings potensiaal van 11MW op die plaas Zeekoebaart (Restant van plaas nr. 306 en Gedeelte 1 van Plaas nr. 306) geleë ongeveer 26km suid-oos van die dorp Groblershoop.

'n "Run-of-river" hidrokragsentrale, soos beoog, sal bestaan uit die volgende:

- Inlaat infrastruktuur, insluitend die bestaande Boegoeberg Keerwal, die inlaat Keerwal (onder die normale water oppervlak) en 'n inlaat struktuur.
- Tydelike stroomop kasduiker sal in die keerwal swembad vereis word om water uit die werke uit te sluit.
- Infrastruktuur om water van die rivier na die krag kamer te lei.
- Drukhoogtedam vir die tydelike stoor van water om 'n bestendige vloei na die turbines te verseker.
- Kragsentrale inname struktuur / valdeur vir beheer van water na die kragsentrale.
- Kragsentrale om die turbines en toerusting wat gebruik word om elektrisiteit op te wek, te huisves.
- 'n Onderloop om die water terug te voer in die rivier, stroomaf van die kragsentrale.
- Bykomende infrastruktuur sluit toegangspaaie, sediment "basins", transmissielyn (e) vir vervoer van die energie wat opgewek word deur die hidrokragsentrale na die Eskom nasionale kragnetwerk, insluitend 'n skakelkamer en transformatorbaai.



Figuur 4 Liggingkaart

## WATTER ALTERNATIEWE WORD OORWEEG?

‘n Belangrike deel van ‘n OIB is om alle alternatiewe te oorweeg om die mees omgewings en sosiaal verantwoordelike opsie te bepaal. Die volgende projek verwante alternatiewe was ondersoek:

- **Ligging alternatief**
  - Slegs een area (Boegoeberg dam, Plaas 306 Zeekoebaart)
- **Aktiwiteit alternatief**
  - Energie opwekking deur middel van hidrokragsentrale
  - “Geen-ontwikkeling” alternatief tot hidrokrag energie opwekking
- **Terreinuitleg alternatiewe**
  - Twee water vervoer alternatiewe, tunnel (voorkeur) of oop kanaal (Figuur 5)
- **Uitleg alternatief**
  - Twee kraglyne en pad toegang alternatiewe
- **Tegnologie alternatief**
  - Slegs een tegnologie alternatief (Kaplan hidrokrag turbines) sal oorweeg word



Figuur 5 | Water lei alternatiewe naamlik kanaal teenoor tunnel



Figure 6 | Kraglyn uitleg alternatiewe

## WATTER IMPAKTE WORD VERWAG?

Die beoogde hidrokragsentrale sal moontlik ‘n reeks omgewings- en sosio-ekonomiese impakte veroorsaak. Tydens die OIB, was die betekenisvolheid van relevante impakte van alternatiewe deur die OIB span en Kundiges bepaal. Dit was gedoen deur ‘n spesifieke metodiek wat ontwikkel is vir die bepaling van die betekenisvolheid van impakte, gebaseer op die kenmerke van die area en die beoogde ontwikkeling. Die bevindinge van die OIB word kortliks hieronder herhaal.

Tabel 1 | Betekenisvolheid van impakte

IMPAK	ASPEK VAN PROJEK	Konstruksie		Operasioneel		Sluiting	
		Sonder maatreëls	Met maatreëls	Sonder maatreëls	Met maatreëls	Sonder maatreëls	Met maatreëls
Botaniese impakte	Uitleg (kanaal)	Hoog (-)	Medium (-)	Laag (-)	Laag (-)	Laag (-)	Laag (-)
	Uitleg (tonnel)	Medium (-)	Laag (-)	Laag (-)	Laag (-)	Laag (-)	Laag (-)
	Toegangs pad	Laag (-)	Laag (-)	Laag (-)	Laag (-)	Laag (-)	Laag (-)
	Transmissie lyn (albei alternatiewe)	Medium (-)	Laag (-)	Laag (-)	Laag (-)	Laag (-)	Laag (-)
	Konstruksie terrein	Medium (-)	Laag (-)	Laag (-)	Laag (-)	Laag (-)	Laag (-)
	Geen-ontwikkeling	Laag (-)	-	Laag (-)	-	Laag (-)	-
Impak op voëllewe	Uitleg Alternatiewe 1 en 2	Laag - Medium (-)	Laag (-)	Laag - Medium (-)	Laag (-)	Laag - Medium (-)	Laag (-)
	Transmissie lyn 1 en 2 (vermindering van habitat en steuring)	Laag (-)	Baie laag (-)	Laag - Medium (-)	Laag (-)	Medium (-)	Laag - Medium (-)
	Transmissie lyn 1 en 2 (Afsterwing)			Hoog (-)	Laag - Medium (-)		
Impak op diere	Uitleg en transmissielyste (alle alternatiewe)	Laag (-)	Baie laag (-)	Laag (-)	Laag (-)	Laag (-)	Very low (-)
Impak op landbou	Uitleg alternatiewe 1 en 2	Laag (-)	Baie laag (-)	Baie laag (-)	Baie laag (-)	Baie laag (-)	Baie laag (-)
	Transmissie lynne en toegangs paaie	Laag (-)	Laag (-)	Baie laag (-)	Baie laag (-)		
Oppervlak water	Uitleg Alternatiewe 1 en 2	Medium (-)	Laag (-)	Medium (-)	Laag (-)	Laag (-)	Baie laag (-)
	Transmissie lyne, paaie en pyplyne	Laag (-)	Baie laag (-)			Baie laag (-)	Baie laag (-)
Palaeontologie	Uitleg Alternatiewe 1 en 2	Laag (-)	Laag (-)				
	Transmissie lyne	Laag (-)	Laag (-)				
Impak op erfenis	Uitleg argeologie	Medium (-)	Laag (-)				
	Uitleg grafte	High (-)	Laag (-)				
	Transmissie lyne argeologie	Laag (-)	Laag (-)				
	Transmissie lyne grafte	Laag (-)	Laag (-)				
	Paaie argeologie	Medium (-)	Laag (-)				
	Paaie grafte	High (-)	Laag (-)				
	Geen-ontwikkeling	Baie laag (-)	Baie laag (-)				
Visuele impakte	Uitleg Alternatiewe 1 en 2	Laag (-)	Laag (-)	Laag (-)	Laag (-)	Laag (-)	Laag (-)
	Transmissie lyne (alle alternatiewe)	Laag (-)	Laag (-)	Laag (-)	Laag (-)	Laag (-)	Laag (-)
Sosiale impakte	Uitleg alle Alternatiewe Direkte werkskepping en ontwikkeling van vaardighede;	Laag (+)	Laag (+)	Laag (+)	Laag (+)		

IMPAK	ASPEK VAN PROJEK	Konstruksie		Operasioneel		Sluiting	
		Sonder maatreëls	Met maatreëls	Sonder maatreëls	Met maatreëls	Sonder maatreëls	Met maatreëls
	Ekonomiese vermenigvuldiging effekte						
	Uitleg alle Alternatiewe Addisionele werkers	Laag (-)	Baie laag (-)				
	Uitleg alle Alternatiewe Wins vir eienaar en diversifisering van inkomstes			Laag (+)	Laag (+)		
<b>Impakte op Energie opwekking</b>	Uitleg Alternatiewe 1 en 2			Laag (+)	Laag (+)		
<b>Impak op verkeer</b>	Uitleg Alternatiewe 1 en 2	Laag (-)	Baie laag (-)	Baie laag (-)	Baie laag (-)	Laag (-)	Baie laag (-)

Die impak op all aspekte hierbo geidentifiseer is laag of baie laag negatief met maatreëls, met die botaniese impakte as gevolg van die waterlei sisteem as uitsodnering. Die impak kan verlaag tot laag-medium vir die tunnel opsie.

Die impak op voëllewe van die transmissielyste kan ook verlaag word tot laag-medium (negatief) met spesiale uitleg van die kraglyne en deur voëlfappers aanteheg om ongelukke met die lyne te voorkom. Die positiewe impakte van die projek is sosiaal aangesien werk geskep sal word tydens die konstruksie fase van die ontwikkeling en die plaaslike ekonomie sal stimuleer. Die projek sal ook positief bydrae tot kragopwekking in Suid-Afrika.

'n Omgewingsbestuurplan is saamgestel om die impakte te bestuur tydens al die fases van die projek, insluitend konstruksie en operasionele fases. Daar is 'n behoefte aan 'n omgewingskontrole offisier om te verseker dat die plan implementeer word.

Gebaseer op die uitkomst van die OIB-verslag, is Aurecon van die opinie dat die voorgenome hidrokragsentrale goedgekeur moet word aangesien toenemende plaaslike en streeks voordele negatiewe impakte oortref en die projek vodoen Die beoogde projek voldoen aan die WNOB-beginsels sowel as die Behoefte en Wenslikheids kriteria. Die betekenisvolheid van die negatiewe impakte kan verminder word met doeltreffende en gepaste mitigasie maatreëls.

## WAT IS OPENBARE DEELNAME EN HOE KAN U BETROKKE RAAK?

Publieke deelname is 'n belangrike deel van die OIB proses omdat dit die publiek toelaat om informasie te kry rakende die voorgenome projek, om dokumentasie te besigtig, asook om 'n inset te lewer en enige bekommernisse uit te lig.

Die volle Konsep OIBV vir die voorgenome hidrokragsentrale is beskikbaar vir besigtiging en kommentaar vanaf 2 Desember 2013 tot en met 29 Januarie 2014 by die volgende plekke:

- Groblershoop Publieke Biblioteek
- Khies Munisipaliteits kantore in Groblershoop
- Beschikbaar op die Aurecon webtuiste ([www.aurecongroup.com](http://www.aurecongroup.com)) – verander asb "current location" na "south Africa" en volg die "public participation"-skakel.

Die kommentare en kommernisse wat gelig word op die Konsep en Finale OMvangsbepalingsverslae is ingesluit by die Kommentaar en Antwoord Blad soos aangeheg aan die Konsep OIB. Die publiek word die geleentheid gegee om kommentaar of kommernisse te stuur tot en met einde van besigheids dag op 29 Januarie 2014. Die kommentare op die Konsep OIB sal gebruik word om die Konsep verslag optedateer na die Finaal voor dit aan die owerhede gestuur word vir besluitneming.

**Kommentaar kan gestuur word aan die OIB span vanaf 2 Desember 2013 tot en met 29 Januarie 2014:**

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*Of*

# PROPOSED HYDROPOWER FACILITY AND ASSOCIATED INFRASTRUCTURE AT BOEGOEBERG DAM ON THE ORANGE RIVER, NEAR GROBLERSHOOP

## ENVIRONMENTAL IMPACT ASSESSMENT

### *Non-Technical Summary of the EIA Report*



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Boegoeberg Hydro Electric Power (Pty) Ltd (Boegoeberg Hydro) proposes to construct an 11 Megawatt (MW) hydropower facility at Boegoeberg Dam on the Orange River, near Groblershoop in the Northern Cape to generate energy in a renewable manner. In terms of environmental law<sup>1</sup>, an Environmental Impact Assessment (EIA) is required and the national Department of Environmental Affairs have to authorise the project before it can go ahead. Aurecon South Africa (Pty) Ltd (Aurecon) is undertaking this EIA study to investigate the environmental and socio-economic issues to facilitate the authority decision making and to inform the design and operation of the proposed hydropower facility.

### HOW DOES THE ENVIRONMENTAL IMPACT ASSESSMENT PROCESS WORK?

An EIA evaluates the environmental and socio-economic characteristics of proposed projects and the consequences of the project on the environment and the people that live in the area affected by the project activities. Measures are recommended to avoid or lessen negative impacts to a level which is considered acceptable from an environmental and social perspective. Where positive impacts are likely to result from the project, measures are recommended to increase these impacts. The EIA process also gives Interested and Affected Parties an opportunity to comment on the project and to be kept informed about decisions that may impact on them or the environment. The various stages of the process are shown in Figure 1.

This is a non-technical summary of the Draft EIA Report (EIAR) which includes:

- An introduction to the proposed hydropower facility and an overview of the legislative framework;
- An overview of the approach to the EIA, describing the public participation to date;
- A description of the proposed project and the alternatives considered, as well as the reason for the project;
- An assessment of significance of the predicted impacts assessed from the project;

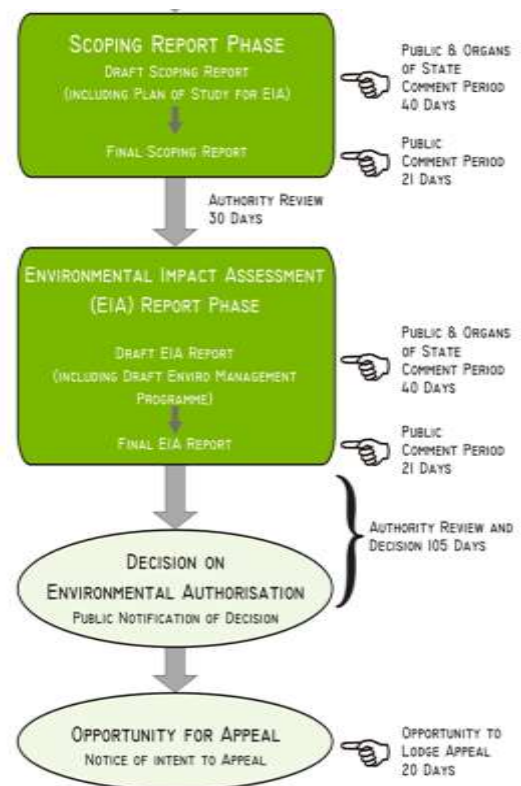


Figure 1 EIA process

<sup>1</sup> Namely the National Environmental Management Act (Act No 107 of 1998) (as amended) (NEMA)

- Recommendations to manage these impacts; and
- A life cycle Environmental Management Plan to cover the design, construction, operational and decommissioning impacts.

This summary provides a non-technical overview of what is contained in the full EIA Report and cannot replace the comprehensive Draft EIAR which should be reviewed for more detailed information. .

## WHY IS THE HYDROPOWER FACILITY NEEDED?

South Africa currently generates most of its required electricity from coal as indicated in Figure 2 and is looking at ways to generate power from a range of sources. This is motivated by concerns about climate change and, on-going use of non-renewable resources. Renewable energy is recognised internationally as a major contributor in reducing the effects climate change. It also provides a range of environmental, economic and social benefits that can contribute towards long-term global sustainability. The project will contribute towards meeting the national energy target as set by the Department of Energy. It would also help South Africa meet some of its international obligations in terms of internationally agreed strategies and standards as set by the Kyoto Protocol and United Nations Convention on Biological Diversity.

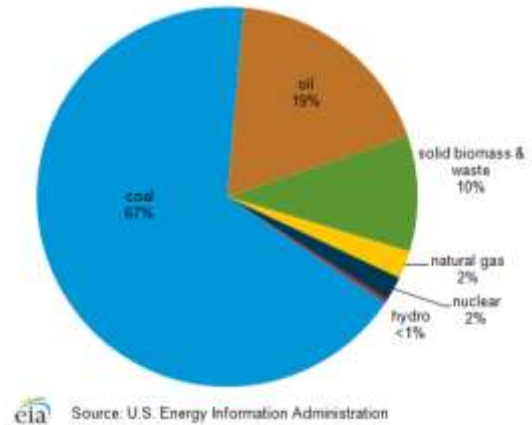


Figure 2 | Total primary energy supply in South Africa during 2010

## HOW DOES A TYPICAL HYDROPOWER FACILITY WORK?

The proposed hydropower station as indicated in Figure 3 is run-of-river (i.e. there is no storage of water off-stream). Various structures are required to produce Electricity is produced using the natural flow and drop in elevation of a river and diverting the flow and passing it through turbines that spin generators.

The flowing water spins the turbines, which take the kinetic energy (energy from movement) from the flowing water to generate electricity. The power station would be subject to seasonal river flows, and would not operate during low flow periods. Electricity generated would feed into substations.

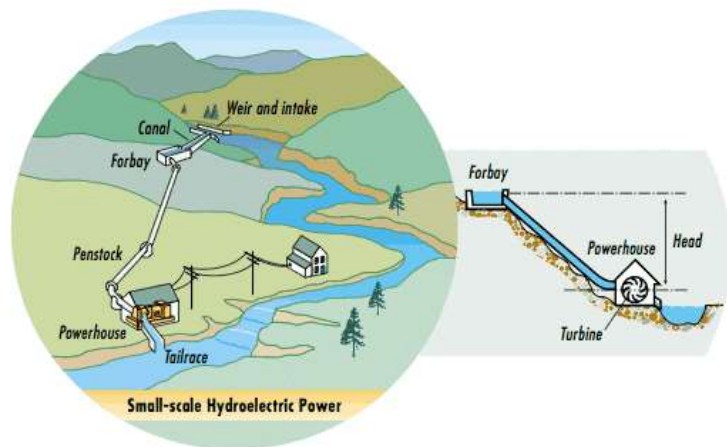


Figure 3 | Illustration of a run-of-river hydropower station  
[Source: <http://enermed.cres.gr> (Accessed: 28 June 2013)]

## WHAT IS PROPOSED AND WHERE?

Boegoeberg Hydro proposes to construct a hydropower facility, with a generation capacity of 11MW on farm Zeekoebaart (Remainder of Farm no. 306 and Portion 1 of Farm no. 306) located approximately 26km south east of the town of Groblershoop. A run-of-river hydropower station, as proposed, would consist of the following:

- Intake infrastructure including the existing Boegoeberg Weir, the offtake weir (below the normal water surface level) and an inlet structure.
- Temporary upstream caisson (coffer dam) will be required in the weir pool to exclude water from the construction works.
- Infrastructure to direct water from the river to the power chamber.
- Head pond/ forebay to temporarily store water to allow for a steady flow to the turbines.

- Power station intake structure/ penstock to help in controlling water going to the power chamber.
- A power chamber to house the turbines and equipment used to generate electricity.
- Outlet works/ tailrace to return the water back into the river, downstream of the power chamber.
- Ancillary infrastructure includes access roads, sediment basins, transmission line(s) for evacuating the energy produced by the hydropower station to the Eskom national grid including a switchroom, and transformer yard.

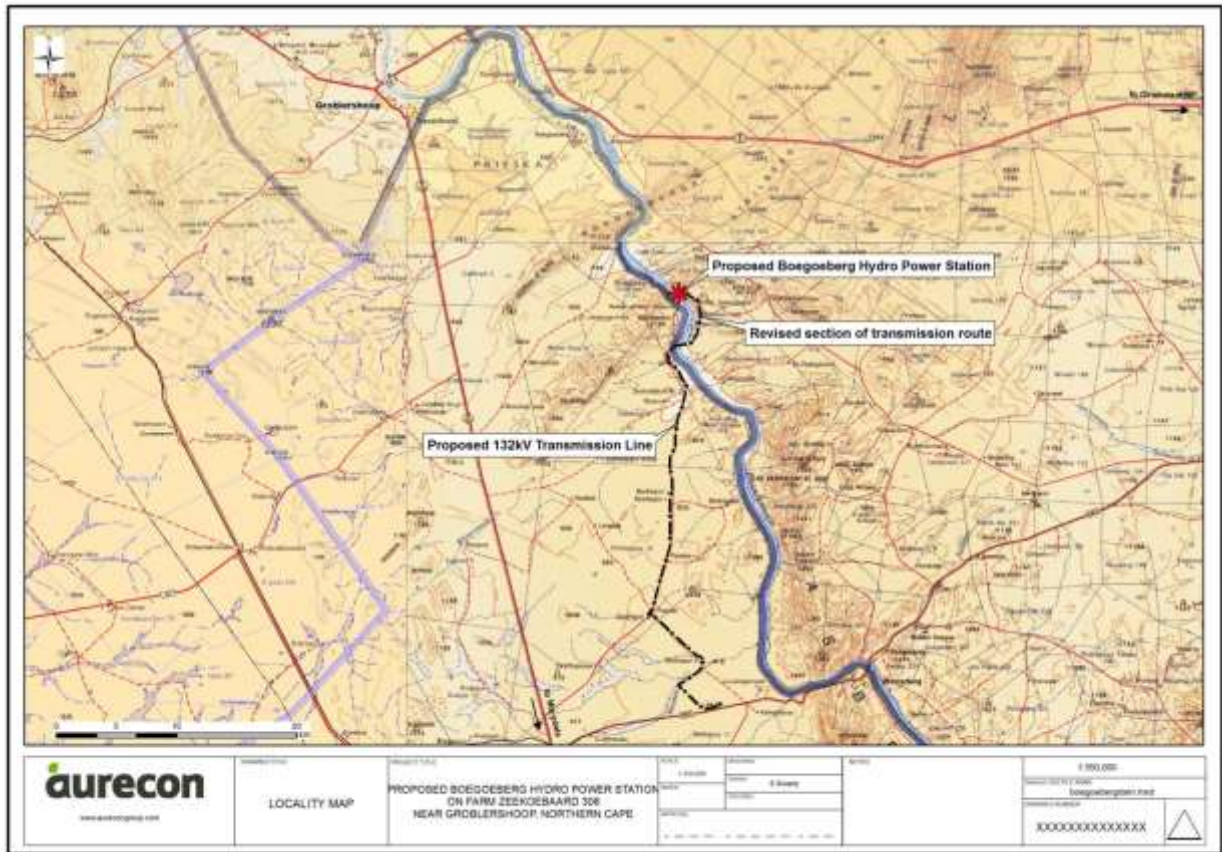


Figure 4 Locality map

## WHAT ALTERNATIVES ARE BEING CONSIDERED?

An important part of an EIA is to consider alternatives to achieve the most environmentally and socially responsible development. The following project related alternatives were considered:

- **Location alternatives**
  - Only the current location (Boegoeberg dam, Farm 306 Zeekoebaart)
- **Activity alternatives**
  - Energy generation by means of a hydropower station
  - “No-go” alternative to hydropower energy production
- **Site layout alternatives**
  - Two water conveyance alternatives, tunnel (preferred) or open canal (Figure 4)
- **Routing Alternatives**
  - Two transmission line and road access alternatives (Figure 5)
- **Technology alternatives**
  - Only one technology alternative (Kaplan hydropower turbines) will be considered



Figure 5 | Water conveyance alternatives- open canal vs. tunnel



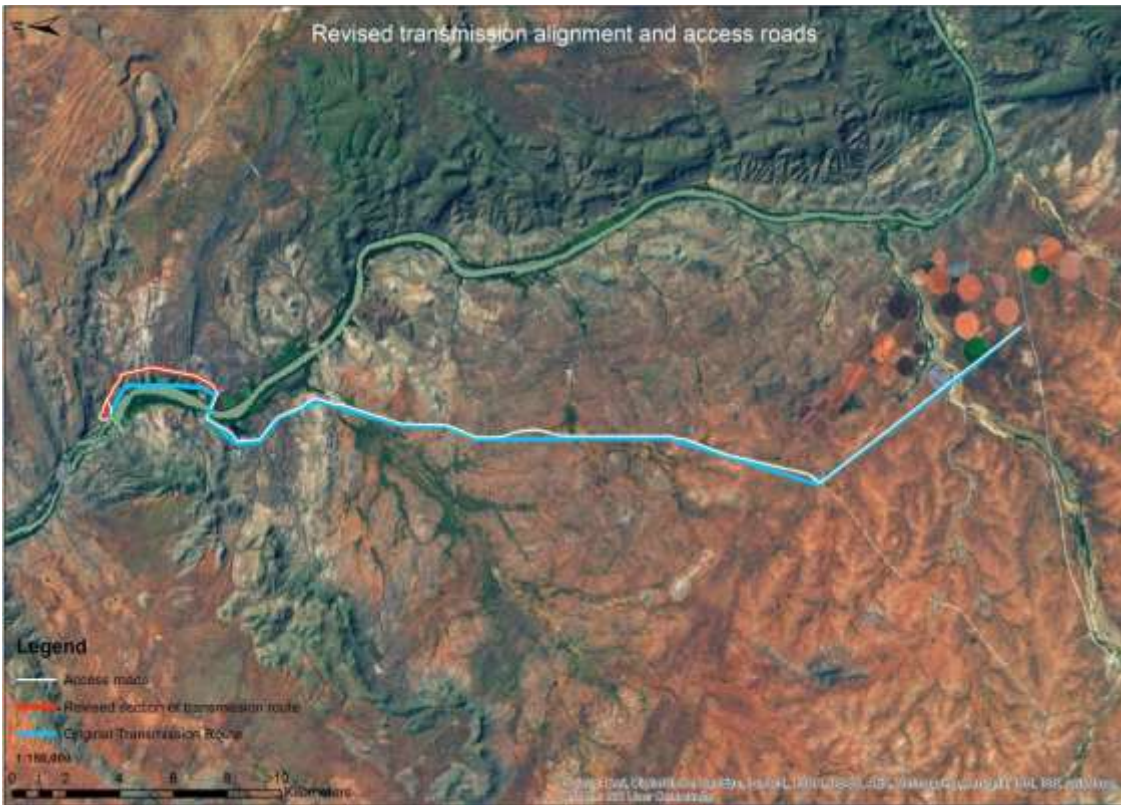


Figure 6 | Transmission line Layout Alternatives

### WHAT KIND OF IMPACTS ARE EXPECTED?

The proposed hydropower facility may have a range of environmental and socio-economic impacts. During the EIA, the EIA team, including specialists assessed the significance of the relevant impacts of the alternatives. This was done using the specific methodology developed for assessment of significance of impacts, based on the specific characteristics of the site and the proposed development. The findings are presented in the EIA Report and briefly repeated below.

Table 1 | Significance of impacts

IMPACTS	PROJECT ASPECT	Construction		Operation		Decommissioning	
		No Mitigation	With Mitigation	No Mitigation	With Mitigation	No Mitigation	With Mitigation
Impact on flora	Layout (canal)	High (-)	Medium (-)	Low (-)	Low (-)	Low (-)	Low (-)
	Layout (tunnel)	Medium (-)	Low (-)	Low (-)	Low (-)	Low (-)	Low (-)
	Access Road	Low (-)	Low (-)	Low (-)	Low (-)	Low (-)	Low (-)
	Transmission lines (both alt)	Medium (-)	Low (-)	Low (-)	Low (-)	Low (-)	Low (-)
	Construction site	Medium (-)	Low (-)	Low (-)	Low (-)	Low (-)	Low (-)
	No- Go	Low (-)	-	Low (-)	-	Low (-)	-
Impact on avifauna	Layout Alts	Low - Medium (-)	Low (-)	Low - Medium (-)	Low (-)	Low - Medium (-)	Low (-)
	Transmission 1 and 2 (habitat loss and disturbance)	Low (-)	Very Low (-)	Low - Medium (-)	Low (-)	Medium (-)	Medium-Low (-)
	Transmission 1 and 2 (Mortality)			High (-)	Low - Medium (-)		

IMPACTS	PROJECT ASPECT	Construction		Operation		Decommissioning	
		No Mitigation	With Mitigation	No Mitigation	With Mitigation	No Mitigation	With Mitigation
Impact on fauna	Layout & Transmission (all alternatives)	Low (-)	Very low (-)	Low (-)	Low (-)	Low (-)	Very low (-)
Impact on agriculture	Layout Alt	Low (-)	Very Low (-)	Very low (-)	Very low (-)	Very Low (-)	Very Low (-)
	Transmission lines & Access roads	Low (-)	Low (-)	Very low (-)	Very low (-)		
Aquatic Ecology	Layout (all alternatives)	Medium (-)	Low (-)	Medium (-)	Low (-)	Low (-)	Very low (-)
	Transmission corridors, roads and pipeline	Low (-)	Very low (-)			Very low (-)	Very low (-)
Palaeontology	Layout Alt.1 and 2	Low (-)	Low (-)				
	Transmission lines	Low (-)	Low (-)				
Impact on heritage	Layout archaeology	Medium (-)	Low (-)				
	Layout graves	High (-)	Low (-)				
	Transmission archaeology	Low (-)	Low (-)				
	Transmission graves	Low (-)	Low (-)				
	Roads archaeology	Medium (-)	Low (-)				
	Roads graves	High (-)	Low (-)				
	No- Go	Very low (-)	Very low (-)				
Visual impacts	Layout (All Alt)	Low (-)	Low (-)	Low (-)	Low (-)	Low (-)	Low (-)
	Transmission (All alt)	Low (-)	Low (-)	Low (-)	Low (-)	Low (-)	Low (-)
Social impacts	Layout All alternatives Direct employment and skills development; Economic Multiplier Effects	Low (+)	Low (+)	Low (+)	Low (+)		
	Layout All alternatives Additional workers on site	Low (-)	Very Low (-)				
	Layout All alternatives Landowner revenue Diversification of the local economy			Low (+)	Low (+)		
Impact on energy production	Layout Alt.1 and 2			Low (+)	Low (+)		
Impact on traffic	Layout Alt.1 and 2	Low (-)	Very Low (-)	Very Low (-)	Very Low (-)	Low (-)	Very Low (-)

The impact on all the aspects identified above is low or very low negative after mitigation, with the exception of the impact on flora from the water conveyance system, which reduces to low medium negative if the option of tunnelling,

is selected. The impact on avifauna from the transmission lines can also be mitigated to low medium negative with special routing of the power line and by attaching bird flappers to the lines to reduce collisions with the lines. The positive impacts from the project are social as work opportunities are created in the construction phase and development such as this stimulates the local economy. The project also has the positive impact of assisting in producing energy for South Africa.

An environmental management plan has been drawn up to manage the impacts through all phases of the project, including the construction and operational phases. There is a need for an environmental control officer to manage implement this management plan during the construction phase.

## **PROPOSED WAY FORWARD**

---

Based on the outcome of this EIAR, Aurecon is of the opinion that the proposed hydropower station can be authorised as the local and regional benefits outweigh the negative impacts. The proposed project meets the NEMA principles. The significance of negative impacts can be reduced to acceptable levels with effective and appropriate mitigation.

## **WHAT IS PUBLIC PARTICIPATION AND HOW DO YOU GET INVOLVED?**

---

Public participation is an important part of the EIA process, as it allows the public to get information about the proposed project, to view documentation, to make input and voice any concerns.

The full Draft EIAR for the proposed hydropower facility is available for review from 2 December 2013 until 29 January 2014 at the following venues:

- Groblershoop Public Library
- Khies Municipality offices in Groblershoop
- Accessible from the Aurecon website ([www.aurecongroup.com](http://www.aurecongroup.com) – please change the current location to “South Africa” and follow the “public participation”- link)

The comments and concerns raised on the Draft and Final Scoping Reports were incorporated into a Comments and Responses Report which is attached to the Draft EIAR. The public is given the opportunity to submit comments and concerns until close of business 29 January 2014. The comments on the Draft EIAR will be used to update this draft document to a final document, which will be submitted to the authorities for authorisation.

### **Comments can be submitted to the EIA PPP team from 2 December 2013 until 29 January 2014:**

**Diane Erasmus**

*P O Box 509, George, 6530*

*Tel: 044 805 5421*

*Fax: 044 805 5454*

*Email: [diane.erasmus@aurecongroup.com](mailto:diane.erasmus@aurecongroup.com)*

**Simon Clark**

*PO Box 494, Cape Town, 8000*

*Tel: 021 526 6034*

*Fax: 021 526 9500*

*Email: [simon.clark@aurecongroup.com](mailto:simon.clark@aurecongroup.com)*

*or*

## Simon Clark

---

**From:** Wilson, Natasha <nwilson@wwf.org.za>  
**Sent:** Wednesday, July 17, 2013 2:41 PM  
**To:** Simon Clark  
**Cc:** Phama, Justin  
**Subject:** RE: PROPOSED BOEGOEBERG HYDROPOWER STATION - AVAILABILITY OF THE DRAFT SCOPING REPORT DEA Ref: 14/12/16/3/3/2/568

Dear Simon

Thank you for the notification. WWF-SA has no comments regarding this scoping report.

In the event that this changes, we will submit them to you.

Kind regards  
Natasha

### Natasha Wilson

**:: Programme Manager: WWF Land Programme ::**

Boundary Terraces, Bridge House 1st Floor  
Mariendahl Lane, Newlands, 7700, Cape Town.  
PO Box 23273, Claremont, 7735

**Tel:** (+27 21) 657 6600 **Direct:** (+27 21) 657 6656 **Mobile:** (+27) 76 889 5825

**Fax:** 086 535 9433 (national only) **Email:** [nwilson@wwf.org.za](mailto:nwilson@wwf.org.za)

**Web:** [www.wwf.org.za](http://www.wwf.org.za)



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---

**From:** Simon Clark [<mailto:Simon.Clark@aurecongroup.com>]

**Sent:** 17 July 2013 12:38 PM

**Subject:** PROPOSED BOEGOEBERG HYDROPOWER STATION - AVAILABILITY OF THE DRAFT SCOPING REPORT DEA Ref: 14/12/16/3/3/2/568

Dear Sir/ Madam

**PROPOSED BOEGOEBERG HYDROPOWER STATION AND ASSOCIATED INFRASTRUCTURE AT BOEGOEBERG DAM ON THE ORANGE RIVER, NEAR GROBLERSHOOP, NORTHERN CAPE:**

**AVAILABILITY OF THE DRAFT SCOPING REPORT**  
DEA Ref: 14/12/16/3/3/2/568; NEAS Ref: DEA/EIA/TBA

The above-mentioned project has reference. The purpose of this email is to notify Interested and Affected Parties (I&APs) of the proposed projects and provide I&APs an opportunity to comment on the Draft Scoping Report (DSR) for the proposed project. Please see the attached notification letters and non-technical executive summaries.

Should you have any comments or concerns regarding the proposed projects, please provide your comments in writing to Aurecon by email, fax or post, on or before **26 August 2013**. All comments received and issues raised will be included in a Comments and Response Report (CRR), which will be appended to the Final Scoping Report. Copies of the CRR will be sent to those who submitted comment. All registered I&APs will be notified when the Final Scoping Report available for comment.

A Public Meeting is proposed to present the findings of the DSR. However this will only take place if public interest indicates a need for this. If there is sufficient interest, an open house will be held on **Wednesday, 7 August 2013** from 16h00 – 17h00 with a formal presentation followed by an Question and Answer session from 17h00 – 19h00. The venue is the **Grobbershoop Library Hall, 97 Oranjestraat, Grobbershoop**. Please RSVP before **29 July 2013** to indicate the need for the meeting.

If you have any questions or comments, or require clarification of the content of the attached, please contact **Simon Clark** or **Diane Erasmus** of Aurecon.

Yours sincerely  
AURECON

**Simon Clark**

I Aurecon

T +27 21 526 6034 I M +27 84 614 7800

E [Simon.Clark@aurecongroup.com](mailto:Simon.Clark@aurecongroup.com)

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## Simon Clark

---

**From:** Thebe Olebogeng (KBY) <ThebeO@dwa.gov.za>  
**Sent:** Monday, August 05, 2013 8:11 AM  
**To:** Simon Clark  
**Subject:** RE: PROPOSED BOEGOEBERG HYDROPOWER STATION - AVAILABILITY OF THE DRAFT SCOPING REPORT DEA Ref: 14/12/16/3/3/2/568

Dear Simon

Thanks for informing me. If you have a combined scheduled meeting with Messrs Visser & Abrahams, I wouldn't mind to be part of the contingent alternatively I am available this week except today.

I might bring 1 or 2 of my team members.

Regards

---

**From:** Simon Clark [mailto:Simon.Clark@aurecongroup.com]  
**Sent:** 02 August 2013 09:35  
**To:** Thebe Olebogeng (KBY)  
**Cc:** Diane Erasmus  
**Subject:** RE: PROPOSED BOEGOEBERG HYDROPOWER STATION - AVAILABILITY OF THE DRAFT SCOPING REPORT DEA Ref: 14/12/16/3/3/2/568

Dear Thebe

The above mentioned project has reference. Please note that we are cancelling the proposed meeting as there was insufficient public interest to warrant the resources required. We are to send out a notification shortly to inform all I&APs of the cancellation. However we wish to inform you first of the cancellation as you formally made a request and we wish to engage with you further to assist in providing sufficient information to address your concerns. Please let me know of a convenient time to contact you to discuss the proposed project in further detail.

Please also note that the proponent is meeting early next week with both Mr A Abrahams & Mr D Visser of DWA to discuss the proposed project, its implications and the way forward.

Kind regards

**Simon Clark**

I Aurecon

T +27 21 526 6034 | M +27 84 614 7800

E [Simon.Clark@aurecongroup.com](mailto:Simon.Clark@aurecongroup.com)

Aurecon Centre, 1 Century City Drive, Waterford Precinct, Century City | South Africa

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---

**From:** Thebe Olebogeng (KBY) [mailto:ThebeO@dwa.gov.za]  
**Sent:** Friday, July 19, 2013 9:58 AM  
**To:** Simon Clark  
**Subject:** RE: PROPOSED BOEGOEBERG HYDROPOWER STATION - AVAILABILITY OF THE DRAFT SCOPING REPORT  
DEA Ref: 14/12/16/3/3/2/568

Dear Simon

Thanks for the info.

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Dr. Wessels can be contacted at [SFHSERV@dwa.gov.za](mailto:SFHSERV@dwa.gov.za)

Regards

---

**From:** Simon Clark [mailto:Simon.Clark@aurecongroup.com]  
**Sent:** 17 July 2013 12:38  
**Subject:** PROPOSED BOEGOEBERG HYDROPOWER STATION - AVAILABILITY OF THE DRAFT SCOPING REPORT  
DEA Ref: 14/12/16/3/3/2/568

Dear Sir/ Madam

**PROPOSED BOEGOEBERG HYDROPOWER STATION AND ASSOCIATED INFRASTRUCTURE AT BOEGOEBERG DAM ON  
THE ORANGE RIVER, NEAR GROBLERSHOOP, NORTHERN CAPE:  
AVAILABILITY OF THE DRAFT SCOPING REPORT  
DEA Ref: 14/12/16/3/3/2/568; NEAS Ref: DEA/EIA/TBA**

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Yours sincerely  
AURECON

**Simon Clark**

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## Simon Clark

---

**From:** Aurecon AME Environmental <aurecon@webfoundryza.com>  
**Sent:** Sunday, August 25, 2013 10:35 PM  
**To:** Simon Clark  
**Subject:** PROPOSED HYDROPOWER STATION AND ASSOCIATED INFRASTRUCTURE AT BOEGOEBERG DAM ON THE ORANGE RIVER, NEAR GROBLERSHOOP, NORTHERN CAPE

Thank you for taking the time to submit comment on PROPOSED HYDROPOWER STATION AND ASSOCIATED INFRASTRUCTURE AT BOEGOEBERG DAM ON THE ORANGE RIVER, NEAR GROBLERSHOOP, NORTHERN CAPE. Your comment has been forwarded to the environmental department and will be included in the project documentation. Please keep this email as proof of your submission. A copy of your comment is provided below:

Name: Mr. DAVID SCHALK FOURIE

Organisation:PLAASBOER

Email: [calitz.michell@gmail.com](mailto:calitz.michell@gmail.com)

Address: POSBUS 111 GROBLERSHOOP 8850

Phone Number:

Cell Number:0834898832

Fax Number:0862197401

Preferred Contact Method:By Email

Regarding: PROPOSED HYDROPOWER STATION AND ASSOCIATED INFRASTRUCTURE AT BOEGOEBERG DAM ON THE ORANGE RIVER, NEAR GROBLERSHOOP, NORTHERN CAPE

Direct Interest:

Business:

Competing Business: No

Neighbouring business:Yes

Potential employment opportunities:No

Service provision (machinery etc) :No

Personal

Neighbour to proposed project site:Yes

Other Interests:No

Comments:

Ek is die eienaar van plaas 307 en 308 en voer my bestaan deur met groot-(beeste) en kleinvee (skape en boerbokke)te boer. Die toename in die verkeer gaan 'n direkte impak he op die grondpad (Koegas / Groblershoop) asook die geproglameerde grondpad wat tussen my woning en die skuur verbyloop na Boegoebergdam. Die grondpaaie is met wit gruis bedek en wanneer die verkeer op die paaie toeneem veroorsaak dit 'n dik laag wit/grys stof wat in bak neerdaal en lank vat om op te klaar. Die grondpad word nie gereeld geskraap nie en die boere in die ogewing onderhou self die pad deur dit met 'n trekker te sleep. Die pad kan reeds nie die verkeer tans hanteer nie. Wat gaam gebeur as daar 'n verdere las op die paaie geplaas word. Eweneens word die plantegroei langs die grondpaaie geraak. Van die kampe waarin diere wei is langs die pad gelee. Gaan die stof die weiding aantast? Die geproglameerde pad na Boegoebergdam loop deur die kamp waarin my skape en bokke aangehou word. Die kampe is nie weerskante van die pad omhein

nie omrede dit die kamp waar hul wei te klein sal maak. Beeste wei in die kamp naaste aan die berg wat wel afgekamp is. Graag word versoek om asseblief die gebruik van die geproglameerde pad ten opsigte van fauna en flora en boerdery in ag te neem. Die Uwe David Fourie

**Register on the database:Yes**

## WIE DIT MAG AANGAAN

Ek het nie `n probleem met die beoogde hidrokragsentrale te Boegoebergdam nie.

Ek sal wel `n probleem hê indien die watervlak met meer as 1 meter daal by die dam, want dan sal ek nie water kan pomp vir my besproeiing, aangesien daar `n geweldige sandbank lê. Die volgende groot probleem is dat ons grondpaaie reeds in so `n swak toestand is, dat enige toename in verkeer en veral van swaar voertuie, ons situasie net meer haglik gaan maak. Ons loop ons gereeld teen `n muur vas by die Paaie Administrasie en is genoodsaak om van hierdie paaie gebruik te maak om ons produkte te kan lewer in Groblershoop, Upington ens. Die swak toestand van die paaie, veroorsaak vir ons enorme hoë onderhoudskoste op ons voertuie.

Ek hoop dat hier beslis aandag geskenk sal word aan hierdie probleme, alvorens daar aangegaan word met die projek.

Groete



Bennie Burger

Plaas Bo-Seekoebaard  
Sel Nr 0823305524

14 Augustus 2013

## Simon Clark

---

**From:** John Geeringh <GeerinJH@eskom.co.za>  
**Sent:** Friday, July 26, 2013 4:51 PM  
**To:** Simon Clark  
**Subject:** RE: PROPOSED BOEGOEBERG HYDROPOWER STATION - AVAILABILITY OF THE DRAFT SCOPING REPORT DEA Ref: 14/12/16/3/3/2/568

Will the proposed 132kV power line cross the river? How wide is the river at the proposed point of crossing? If the line cross the river, you will have to do a bird impact assessment, and also make sure it is technically feasible to cross the river with the line.

Regards

John Geeringh (Pr Sci Nat)  
Snr Consultant Env Management  
GC Land Development  
Megawatt Park D1 Y38  
P O Box 1091  
Johannesburg  
2000

Tel: 011 516 7233  
Fax: 086 661 4064  
Cell: 083 632 7663  
E-mail: [john.geeringh@eskom.co.za](mailto:john.geeringh@eskom.co.za)

---

**From:** Simon Clark [<mailto:Simon.Clark@aurecongroup.com>]  
**Sent:** 17 July 2013 12:38 PM  
**Subject:** PROPOSED BOEGOEBERG HYDROPOWER STATION - AVAILABILITY OF THE DRAFT SCOPING REPORT DEA Ref: 14/12/16/3/3/2/568

Dear Sir/ Madam

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AVAILABILITY OF THE DRAFT SCOPING REPORT  
DEA Ref: 14/12/16/3/3/2/568; NEAS Ref: DEA/EIA/TBA**

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Yours sincerely  
AURECON

**Simon Clark**

I Aurecon

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## Simon Clark

---

**From:** Van der Westhuizen Walther <VanderWesthuizenW@dwa.gov.za>  
**Sent:** Friday, July 19, 2013 6:21 PM  
**To:** Simon Clark  
**Cc:** Visser Dries (BFN); Abrahams Abe (KBY); Manus Leonardo; Ndumo Nelly Dineo (NWRI:CO)  
**Subject:** Boegoeberg hydro  
**Attachments:** doc20130718075316.pdf

Simon:

Please note that Boegoeberg Dam belongs to the Department of Water affairs.

Please inform what your plans are (detail please).

Regards

Walther van der Westhuizen  
Strategic Asset Management  
Department of Water Affairs  
Tel (012) 336 6651  
Cell: 082 807 3527  
e-mail: [vanderwesthuizenw@dwa.gov.za](mailto:vanderwesthuizenw@dwa.gov.za)

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## Simon Clark

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**From:** Thebe Olebogeng (KBY) <ThebeO@dwa.gov.za>  
**Sent:** Friday, July 19, 2013 9:58 AM  
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**Subject:** RE: PROPOSED BOEGOEBERG HYDROPOWER STATION - AVAILABILITY OF THE DRAFT SCOPING REPORT DEA Ref: 14/12/16/3/3/2/568

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**Sent:** 17 July 2013 12:38  
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AVAILABILITY OF THE DRAFT SCOPING REPORT  
DEA Ref: 14/12/16/3/3/2/568; NEAS Ref: DEA/EIA/TBA**

The above-mentioned project has reference. The purpose of this email is to notify Interested and Affected Parties (I&APs) of the proposed projects and provide I&APs an opportunity to comment on the Draft Scoping Report (DSR) for the proposed project. Please see the attached notification letters and non-technical executive summaries.

Should you have any comments or concerns regarding the proposed projects, please provide your comments in writing to Aurecon by email, fax or post, on or before **26 August 2013**. All comments received and issues raised will be included in a Comments and Response Report (CRR), which will be appended to the Final Scoping Report. Copies of the CRR will be sent to those who submitted comment. All registered I&APs will be notified when the Final Scoping Report available for comment.

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from 17h00 – 19h00. The venue is the **Groblershoop Library Hall, 97 Oranjestraat, Groblershoop**. Please RSVP before **29 July 2013** to indicate the need for the meeting.

If you have any questions or comments, or require clarification of the content of the attached, please contact **Simon Clark** or **Diane Erasmus** of Aurecon.

Yours sincerely  
AURECON

**Simon Clark**

| Aurecon

T +27 21 526 6034 | M +27 84 614 7800

E [Simon.Clark@aurecongroup.com](mailto:Simon.Clark@aurecongroup.com)

Aurecon Centre, 1 Century City Drive, Waterford Precinct, Century City | South Africa

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## Simon Clark

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**From:** Thebe Olebogeng (KBY) <ThebeO@dwa.gov.za>  
**Sent:** Friday, July 19, 2013 10:28 AM  
**To:** Simon Clark  
**Subject:** RE: PROPOSED BOEGOEBERG HYDROPOWER STATION - AVAILABILITY OF THE DRAFT SCOPING REPORT DEA Ref: 14/12/16/3/3/2/568

Dear Simon

I think there is a need for a public meeting to be held as outlined.

Another issue I have raised in similar projects from your company was the advertisement of such a project. It is limiting to say that an Afrikaans and English version was advertised in local media (newspapers), if it was advertised (with an English & Afrikaans clip) in an Afrikaans newspaper. Most English news readers simply do not buy the Afrikaans newspaper. Therefore the English advert never gets to reach the English reader.

I therefore request that this project be advertised in the "both" the English and Afrikaans newspapers separately to attract the attention it deserves.

Other forms of media should also be used e.g. local radio stations and news papers etc...

Regards

---

**From:** Simon Clark [<mailto:Simon.Clark@aurecongroup.com>]  
**Sent:** 17 July 2013 12:38  
**Subject:** PROPOSED BOEGOEBERG HYDROPOWER STATION - AVAILABILITY OF THE DRAFT SCOPING REPORT DEA Ref: 14/12/16/3/3/2/568

Dear Sir/ Madam

**PROPOSED BOEGOEBERG HYDROPOWER STATION AND ASSOCIATED INFRASTRUCTURE AT BOEGOEBERG DAM ON THE ORANGE RIVER, NEAR GROBLERSHOOP, NORTHERN CAPE:  
AVAILABILITY OF THE DRAFT SCOPING REPORT  
DEA Ref: 14/12/16/3/3/2/568; NEAS Ref: DEA/EIA/TBA**

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If you have any questions or comments, or require clarification of the content of the attached, please contact **Simon Clark** or **Diane Erasmus** of Aurecon.

Yours sincerely  
AURECON

**Simon Clark**

| Aurecon

T +27 21 526 6034 | M +27 84 614 7800

E [Simon.Clark@aurecongroup.com](mailto:Simon.Clark@aurecongroup.com)

Aurecon Centre, 1 Century City Drive, Waterford Precinct, Century City | South Africa

[aurecongroup.com](http://aurecongroup.com)



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A dark grey banner with a diagonal hatched pattern at the top. On the left is the Green Building Council SA logo, a stylized green starburst. To its right, the text "GREEN BUILDING COUNCIL SA" is written in white, with "GREEN" in a larger font. Below this, "FOUNDED 1989" and "FOUNDING MEMBER" are written in smaller white text. On the right side of the banner, white text reads: "First in SA! Aurecon's Cape Town office building in Century City, is the first building in South Africa to be awarded a 5 Star Green Star SA – Office Design v1 rating by the Green Building Council of South Africa (GBCSA)."

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## Simon Clark

---

**From:** Van der Westhuizen Walther <VanderWesthuizenW@dwa.gov.za>  
**Sent:** Monday, July 22, 2013 8:24 PM  
**To:** Simon Clark  
**Cc:** Visser Dries (BFN); Abrahams Abe (KBY); Manus Leonardo; Ndumo Nelly Dineo (NWRI:CO); Diane Erasmus  
**Subject:** RE: Boegoeberg hydro

**Simon:**

The bottom line is that the dam belong to DWA and you will get nowhere without discussing your plans with the "owner" (Dries Visser and myself) as we will have to give approval for any infrastructure on or over DWA property. I will look at the attachments when I get back in office (difficult to access it from my home computer).

Louis Snyders retired a few years ago?

My physical address:

Department of Water affairs, Sedibeng Building (room 305), 185 Francis Baard street (Previously known as Schoeman street), Pretoria.

**Dries:**

Please send your physical address to Simon.

Regards  
Walther

---

**From:** Simon Clark [Simon.Clark@aurecongroup.com]  
**Sent:** Monday, July 22, 2013 9:01 AM  
**To:** Van der Westhuizen Walther  
**Cc:** Visser Dries (BFN); Abrahams Abe (KBY); Manus Leonardo; Ndumo Nelly Dineo (NWRI:CO); Diane Erasmus  
**Subject:** RE: Boegoeberg hydro

Dear Walther

Thank you for your email, please see the process and project details below and in the attached. We have included you and your colleagues in our notification database and will be informed of the process as we go forward. Please provide your physical address to have an electronic copy of the Draft Scoping Report couriered to you for your consideration.

Please also note that the following DWA officials have been informed of the proposed project:

DWA: Hydrological Services	Thebe Olebogeng
DWA: Lower Orange Catchment Management Area	E Kubayi
DWA: Chief Director Northern Cape	LJ Snyders
DWA Specialist Design Engineer	Dr Pieter Wessels

**PROPOSED BOEGOEBERG HYDROPOWER STATION AND ASSOCIATED INFRASTRUCTURE AT BOEGOEBERG DAM ON THE ORANGE RIVER, NEAR GROBLERSHOOP, NORTHERN CAPE:  
AVAILABILITY OF THE DRAFT SCOPING REPORT  
DEA Ref: 14/12/16/3/3/2/568; NEAS Ref: DEA/EIA/TBA**

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If you have any questions or comments, or require clarification of the content of the attached, please contact **Simon Clark** or **Diane Erasmus** of Aurecon.

Yours sincerely  
AURECON

**Simon Clark**

I Aurecon

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DISCLAIMER

**From:** Van der Westhuizen Walther [mailto:[VanderWesthuizenW@dwa.gov.za](mailto:VanderWesthuizenW@dwa.gov.za)]

**Sent:** Friday, July 19, 2013 6:21 PM

**To:** Simon Clark

**Cc:** Visser Dries (BFN); Abrahams Abe (KBY); Manus Leonardo; Ndumo Nelly Dineo (NWRI:CO)

**Subject:** Boegoeberg hydro

Simon:

Please note that Boegoeberg Dam belongs to the Department of Water affairs.

Please inform what your plans are (detail please).

Regards

Walther van der Westhuizen  
Strategic Asset Management

Department of Water Affairs  
Tel (012) 336 6651  
Cell: 082 807 3527  
e-mail: [vanderwesthuizenw@dwa.gov.za](mailto:vanderwesthuizenw@dwa.gov.za)

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## Simon Clark

---

**From:** FrancinaMO <FrancinaMO@daff.gov.za>  
**Sent:** Wednesday, August 07, 2013 11:57 AM  
**To:** Simon Clark  
**Subject:** THE FARM BOEGOEBERG DAM: HYDROPOWER STATION

Good morning Sir

With reference to the above-mentioned matter this Department wishes to inform you that, the following information is outstanding:

1. Full EIA report
2. Layout plan
3. Title deed

On receipt of the outstanding information the matter will receive further attention.

Yours Faithfully  
Francina Mokoma  
Land Use and Soil Management Support Group  
Tel: 012 319 7634  
Fax: 012 329 5938  
E-mail: [Francinamo@daff.gov.za](mailto:Francinamo@daff.gov.za)

Please visit the Agriland website [www.agis.agric.za/agriland](http://www.agis.agric.za/agriland) for further inquiries or to lodge a new application.

**Subject:** RE: Meeting with DWA

Hi Diane

We met with Thebe this morning and had discussions around;

- Where our works would discharge in relation to the existing weir & the length of the headrace past the existing Boegoeberg weir. We confirmed that our tailrace would discharge no further than 200m from the Boegoeberg weir and therefore would not be an impediment to the new DWA measuring weir built some 2km downstream from the current weir.
- We further discussed the fact that we were aware of the current problems experienced resultant from the high silt load being entrained by the weir and that we would seek an engineering solution to ensure that our works do not in any way aggravate the current silt problems.
- We discussed the current DWA flow measurement regime at the 2 weirs and agreed that BHEP (Boegoeberg Hydro Electric Power) will not be required to install measurement devices for the benefit of DWA, but that we rather make our plant flow measurement information available to the DWA.
- We briefly touched on the Economic Development and confirmed that this should be similar to that achieved at Neus
- From the above it appeared that DWA was satisfied with our explanations and comments.

Further discussions related to the measurement protocols at the Neusberg project after which the meeting was concluded.

Present at the meeting was;

- Thebe (DWA)
- Henry (DWA)
- Willie (DWA)
- Niel (HSA)
- Malcolm (HTSA)
- Nick (HTSA)

**Niel Theron**





agriculture, land reform  
& rural development

Department:  
agriculture, land reform & rural development  
NORTHERN CAPE PROVINCE  
REPUBLIC OF SOUTH AFRICA



**Directorate: Sustainable Resource Management**

PO Box 52, Upington, Northern Cape, 8800, Tel: (054) 3378000, 0718607551

Fax: (054) 3378001, E-mail: [ntoerien1@gmail.com](mailto:ntoerien1@gmail.com)

Our Reference:

Enquiries: N.J. Toerien

Your Reference: DEA Ref No 14/12/16/3/3/2/568

Date: 05/08/2013

NEAS REF No. DEA/EIA/TBA

S. CLARK  
PO Box 494  
Cape Town  
8000

**Attention : Mr S. CLARK**

**THE CONSTRUCTION OF A HYDRO ELECTRICAL POWER PLANT FACILITY AT BOEGOEBERG DAM**

The proposed project involves the construction of a hydropower plant facility and associated infrastructure for the purpose of electricity generation on a site on **Zeekoebaard , Reminder of Farm no. 306 and Portion 1 of Farm 306 in the Northern Cape province.**

The Department of Agriculture, Land Reform and Rural Development is guided by Act 43 of 1983. With the development of the abovementioned activities the developer must take care of the following:

**Article 7.(3)b of Regulation 9238: CONSERVATION OF AGRICULTURE RESOURCES, 1983 (Act 43 of 1983)**

**Utilisation and protection of vlies, marshes, water sponges and water courses**

**7.(1) "..... no land user shall utilize the vegetation in a vlei, marsh or water sponge or within the flood area of a water course or within 10 meters horizontally outside such flood area in a manner that causes or may cause the deterioration of or damage to the natural agriculture resources."**

**(3)(b) "cultivate any land on his farm unit within the flood area of a water course or within 10 meters horizontally outside the flood area of a water course"**

Take also care of the following: who is the current landowner, will it be a subdivision of land or a lease contract between the developer and the landowner?

Rezoning will also be applicable because the land use will change from the current agricultural status.

The Department of Agriculture, Land Reform and Rural Development foreseen no problems in the development as mentioned above as long as the developer adheres to the articles of Act 43 of 1983

Please contact the undersigned if any additional information is required.

Thank you

N.J. Toerien  
SRM CONTROL TECHNICIAN





## Letter

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

Attention: Ms Louise Corbett  
Aurecon South Africa  
Aurecon Centre  
1 Century City Drive  
Waterford Precinct  
Century City I  
South Africa

### **Proposed Boegoeberg Hydropower Station and Associated Infrastructure at Boegoeberg Dam on the Orange River, near Groblershoop, Northern Cape: DEA Ref: 14/12/16/3/3/2/568; NEAS Ref: DEA/EIA/TBA**

Thank you for your indication that development is to take place in this area.

In terms of the National Heritage Resources Act, no 25 of 1999, heritage resources, including archaeological or palaeontological sites over 100 years old, graves older than 60 years, structures older than 60 years are protected. They may not be disturbed without a permit from the relevant heritage resources authority. This means that before such sites are disturbed by development it is incumbent on the developer (or mine) to ensure that a Heritage Impact Assessment is done. This must include the archaeological component (Phase 1) and any other applicable heritage components. Appropriate (Phase 2) mitigation, which involves recording, sampling and dating sites that are to be destroyed, must be done as required.

In your Draft Scoping Report received by SAHRA, it is indicated that there will be an assessment of the heritage resources; this should be inclusive of an Archaeological and Palaeontological Impact Assessment.

The Phase 1 Archaeological Impact Assessment Report that will identify the archaeological sites and assess their significance and make recommendations (as indicated in section 38) about the process to be followed. A Palaeontological study must be undertaken to assess whether or not the development will impact upon palaeontological resources - or at least a letter of exemption from a Palaeontologist is needed to indicate that this is unnecessary. If the area is deemed sensitive, a full Phase 1 Palaeontological Impact Assessment will be required and if necessary a Phase 2 rescue operation might be necessary.

Any other heritage resources that may be impacted such as built structures over 60 years old, sites of cultural significance associated with oral histories, burial grounds and graves, graves of victims of conflict, and cultural landscapes or viewsapes must also be assessed.

SAHRA looks forward to receiving these heritage reports and will provide comment on them before the project



# BOEGOEBERG HYDROPOWER STATION

Our Ref: 9/2/032/0002

Enquiries: Kathryn Smuts  
Tel: 021 462 4502  
Email: ksmuts@sahra.org.za  
CaseID: 3106

Date: Tuesday July 30, 2013

Page No: 2



---

can commence.

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

Yours faithfully

---

Kathryn Smuts  
Heritage Officer: Archaeology  
South African Heritage Resources Agency

---

Colette Scheermeyer  
SAHRA Head Archaeologist  
South African Heritage Resources Agency

---

**ADMIN:**

Direct URL to case: <http://www.sahra.org.za/node/126178>



The South African Heritage Resources Agency

Street Address: 111 Harrington Street, Cape Town 8000 \* Postal Address: PO Box 4637, Cape Town 8000  
\* Tel: +27 21 462 4502 \* Fax: +27 21 462 4509 \* Web: <http://www.sahra.org.za>



**agriculture, land reform  
& rural development**

Department:  
agriculture, land reform & rural development  
NORTHERN CAPE PROVINCE  
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**Directorate: Sustainable Resource Management**

PO Box 52, Upington, Northern Cape, 8800, Tel: (054) 3378000, 0718607551

Fax: (054) 3378001, E-mail: [ntoerien1@gmail.com](mailto:ntoerien1@gmail.com)

Our Reference:

Enquiries: N.J. Toerien

Your Reference: DEA Ref No 14/12/16/3/3/2/568  
NEAS REF No: DEA/EIA/TBA

Date: 16/10/2013

Simom Clarke  
PO Box 494  
Cape Town  
8000

**Attention : Mr. S. Clark**

**HYDRO ELECTRIC POWER STATION : ZEEKOEBAARD**

The proposed project involves the construction of a hydro power facility with associated infrastructure on the farm Zeekoebaard (reminder of farm no. 306 and portion 1 of farm no. 306 ) **in the Northern Cape province.**

The Department of Agriculture, Land Reform and Rural Development is guided by Act 43 of 1983.  
With the development of the abovementioned activities the developer must take care of the following:

**Article 7.(3)b of Regulation 9238: CONSERVATION OF AGRICULTURE RESOURCES, 1983 (Act 43 of 1983)**

**Utilisation and protection of vlies, marshes, water sponges and water courses**

**7.(1) "..... no land user shall utilize the vegetation in a vlei, marsh or water sponge or within the flood area of a water course or within 10 meters horizontally outside such flood area in a manner that causes or may cause the deterioration of or damage to the natural agriculture resources."**

**(3)(b) "cultivate any land on his farm unit within the flood area of a water course or within 10 meters horizontally outside the flood area of a water course"**

Take also care of the following: who is the current landowner, will it be a subdivision of land or a lease contract between the developer and the landowner?

Rezoning will also be applicable because the land use will change from the current agricultural status.

The Department of Agriculture, Land Reform and Rural Development foreseen no problems in the development as mentioned above as long as the developer adheres to the articles of Act 43 of 1983

Please contact the undersigned if any additional information is required.

Thank you

N.J. Toerien  
SRM CONTROL TECHNICIAN  
DEPT. OF AGRICULTURE, LANDREFORM AND RURAL DEVELOPMENT

## Kim White

---

**From:** calitz.michell@gmail.com  
**Sent:** Saturday, October 12, 2013 7:00 PM  
**To:** Simon Clark  
**Subject:** Hydropowerstation Boegoebergdam Groblershoop

Mr Clark

1. I herewith would like to make it clear that the issue of a tarred road was only a point that was mentioned as a alternative to a dust problem and wasn't agreed upon as a definite. The day that it was mentioned we were told that it was only supposed to be an introduction of people involved with the project. No one actually had a meeting with us to discuss the issue because now that the facts are on the table of how many vehicles will be travelling per day in front of our house, it isn't just the dust but traffic that is alarming. The option to re route the road behind the house is actually the better option.
2. No further discussion of how te security and access control are going to be handled have been done.
3. How will speedbumps solve the problem with our livestock?
4. The point that was mentioned that the traffic on our main road will not have an affect on the condition of the road must be reconsidered. If the road can't handle the traffic now surely the road would deteriorate so much faster with more and heavier traffic.
5. Herewith my apology in submitting my comments late.
6. Hoping that the abovementioned matters would receive your attention.

Thank you

DAVID S FOURIE  
Farm 307 & 308  
Seekoeibaardsnek  
0834898832  
0548710719  
Sent from my BlackBerry® wireless device

**energy**

Department:  
Energy  
REPUBLIC OF SOUTH AFRICA

Enquiries: Ms Nomawethu Qase, E-mail: noma.qase@energy.gov.za  
Private Bag X96, Pretoria 0001, Tel: 012 406 7686/7 Fax: 012 323 5819

Mr Clark  
Aurecon  
P.O. Box 494  
Cape Town  
8000

Dear Mr Clark

**RE: PROPOSED HYDROPOWER STATION AND ASSOCIATED  
INFRASTRUCTURE AT BOEGOEBERG DAM ON THE ORANGE RIVER, NEAR  
GROBLERSHOOP, NORTHERN CAPE**

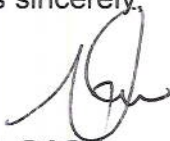
The Department of Energy hereby acknowledges receipt for the Final Scoping Report for the proposed hydropower station and associated infrastructure at Boegoeberg dam on the Orange River, near Groblershoop, Northern Cape.

We would like to confirm that the Department has invited Independent Power Producers to submit proposals for the generation of electricity from renewable energy sources under the Renewable Energy Independent Power Producer Procurement Programme.

We have gone through the report and wish to inform Aurecon that we are satisfied with the report. We wish you all the best in conducting EIA study to secure a positive Environmental Authorization from the Department of Environmental Affairs.

The Department would appreciate being kept informed of progress with this project. Should you need any energy policy related information or clarity, kindly contact: Ms Noma Qase on 012 406 7687/7686 or please send your query to [Noma.Qase@energy.gov.za](mailto:Noma.Qase@energy.gov.za).

Yours sincerely,



**Ms N. QASE**

**DIRECTOR: RENEWABLE ENERGY INITIATIVES**

**DATE: 05/02/2014**

**BEOOGDE HIDROKRAGSENTRALE EN VERWANTE INFRASTRUKTUUR BY  
BOEGOEBERGDAM OP DIE ORANJERIVIER, NABY GROBLERSHOOP, NOORD-  
KAAP**

***Antwoordblad vir kommentaar deur B&GPe***

Stuur asseblief hierdie blad per faks, pos of e-pos aan Aurecon:

**Vir aandag:**           **Simon Clark**  
Tel Nr.:               (021) 526 6034  
Faks Nr.:             (021) 526 9500  
E-pos:                [simon.clark@aurecongroup.com](mailto:simon.clark@aurecongroup.com)  
Posadres:            Posbus 494, Kaapstad 8000

<b>TITEL</b>	Mnr	<b>VOORNAAM</b>	Hendrik Lourens Junior
<b>VOORLETTERS</b>	H,L.	<b>VAN</b>	Fourie
<b>ORGANISASIE</b>	Trans Boegoe 4x4 kamp	<b>E-POS</b>	Transboegoe4u@gmail.com
<b>POSADRES</b>	Plaas Onderseekoebaard nr 306, Posbus 177		
	Groblershoop	<b>POSKODE</b>	8850
<b>TEL NR.</b>	078 561 43 70	<b>FAKS NR.</b>	Geen
<b>SEL NR.</b>	083 500 71 80	<b>Noemnaam: Lourens (seun van HL Fourie- eienaar)</b>	
In terme van <b>GK Nr. R.543 (regulasies vir die OIB-proses)</b> verklaar ek hierby enige direkte sake-, finansiële, persoonlike of ander belang wat ek mag hê in die goed- of afkeuring van die aansoek:.....			
<b>Ek het wel persoonlike, sowel as finansiële belang by die projek</b> .....			

**Lys asseblief enige kollegas/ vriende of organisasies wat na u mening ook as B&GP tot hierdie OIB behoort te registreer:**

(met kontakbesonderhede indien beskikbaar)

Naam/ Organisasie	Posadres	Tel Nr.	Faks Nr.
ANGELO DA SILVA	POSBUS 902, KATU, 8446	053 723 3258	053 723 1311

**Lewer asseblief kommentaar op enige kwessies of kwellinge wat u mag hê:**

(gebruik 'n bykomende bladsy indien u so verkies)

Dit is vir my uiters teleurstellend dat ek eers op die 10de Junie 2013 deur my suster, Susarie Geldenhuys inkennis gestel is oor die voorgenome projek om 'n Hidro Kragentrale op plaas Onderseekoebaard nr 306, naby Groblershoop in die Noord-Kaap te bou. Ek is 'n direk geaffekteerde en ook 'n belanghebbende in die projek. Ek het reeds in 2002 begin om 'n kampterrein en hengel gebied met 4x4 roetes te open op die grond rondom die damwal. Dus word die grond gebruik vir toerisme, aan die onderkant, sowel as aan die bokant van die damwal.

My suster het my tydens 'n besoek aan my vader, wat aan 'n gevorderde stadium van Alzheimers lei, meegedeel dat Aurocon 'n besoek gaan aflê om te kyk na water turbine skema wat

moontlik hier opgerig kan word.

Ek is die okkupeerder en ontwikkelaar van die grond rondom die dam en het ek 'n lapa, 'n huis – wat ek permanent bewoon, asook 'n ablusieblok op hierdie grond gebou op eie onkoste en met toestemming van my Vader.

Mnr. Niël Theron was Desember 2012 saam met Mnr. Peet Stuwig, van Eskom by die dam. Tydens hierdie besoek, het Mnr. Peet Stuwig my gevra aan wie behoort die grond en ek het hom meegedeel dat die grond nog in my Pa, Hendrik Lourens Fourie (gebore 8 November 1929) se naam is.

Mnr. Niël Theron het my dan ook besoek, maar ek het nie kans gehad om hom uit te vra oor die projek nie, want my suster het kort-kort tussenbeide getree. (Hier het ek onder die indruk gekom dat inligting van my weerhou word, vir redes wat duister is vir my).

Ek wil dus dringend onder u en belanghebbende personeel in die projek, se aandag bring dat die grond op **figuur 6** in u - *Boegoeberg Hydropower Station Draft Scoping Report reduced quality emailable* – gedeelte 1, wel staatgronde is, maar dat die gronde daar rondom: Restante deel 2 van plaas Zeekoebaard nr 306, aan my vader Mnr. HL Fourie (snr), gebore 8 November 1929, behoort en dat dit sy eiendom is op transportakte. Inwerklikheid behoort deel 1 van plaas Onderseekoebaard nr. 306, **SLEGS** aan Mnr HL Fourie Snr. Gedeelte 2 van plaas, behoort aan Mnr AJ Geldenhuys en Mev SM Geldenhuys, gedeelte 3 van plaas, behoort aan Mnr AJ Geldenhuys en **Mev SM ?**.

Ek wil dit duidelik onder u aandag bring, dat my Vader *non compis mentis* is en dat daar tans 'n aansoek by die Hooggeregshof te Kimberley gebring is vir die aanstel van 'n kurator bonis vir hom. Eers dan sal 'n Kurator Bonis moontlik aangestel word om sy sake te hanteer. Let wel: Dus het my suster, SM Geldenhuys geen seggenskap oor die grond nie. Ook nie Prok Poen Bergh beskik oor die reg om oor my Vader se grond besluite te neem nie. Poen Bergh is slegs huidiglik SM Geldenhuys se prokureur. My vader is ook die alleen eienaar van die grond en is die grond slegs op sy naam oorgedra in transportakte in 1969.

Ek sal dit dus opreg waardeer as daar in die vervolg ook aan my as okkupeerder, belanghebbende en direk geaffekteerde, kennis gegee sal word van enige besoeke en vergaderings, ook dat ek self besoek sal word vir verdere insae in die projek. Daar is 'n paar kwel vrae wat ek persoonlik met Mnr. Niël Theron of u persoonlik wil opneem, sodat ek ook gemoedsrus kan hê en verlang in die verband dat u my met datums en 'n tyd en plek sal voorsien waar ons kan vergader.

Hierdie projek raak my persoonlik en ook finansiëel – ernstig in die vorm van my woning, 'n besigheid wat ek opgebou het vanaf 2002 (met my vader se toestemming), kinders wat op skool is en 'n kind wat studeer. Ek is 'n 47jarige, wat ontwortel moet word en dus my hele toekoms en inkomste tot en met aftree ouderdom moet inboet. Dus is dit van kardinale belang dat inligting en kennisgewing direk na my ook geskied.

Ten einde my in staat te stel om sinvol kommentaar te lewer op die voorgestelde Hidro Kragstasie projek, is dit nodig dat ek volledig en verstaanbaar ingelig word presies wat die konstruksie proses sal behels, asook wat die normale bedryf van die hidro kragstasie sal behels, bv hoe dit die vloei van die rivier sal beïnvloed, of watervloei oor die grond waar ek



woon en die kampeerterrein sal vloei en dit impakteer, of die kragstasie se werking die effek sal he dat die rivier besoedel word, hoe die kragstasie die vloei van die rivier sal impakteer, of die bedryf sal veroorsaak dat water wat deur die sisteem gaan met lug gevul word e wat dit aan die vislewe onder die damwal sal doen, of die stasie 'n geraas impak sal he (synde ek 'n natuurlike kampeerterrein bedryf, wanneer u beoog om met die konstruksie te begin ens . Ek verneem graag dringend wie my met die voormelde en sodanige ander inligting as wat ek nodig mag he kan voorsien, sodat ek volledige kommentaar kan opstel.

Ek vereis verder dat u alle kommentaar wat ek lewer in die volle vorm daarvan sal indien by die departement omgewingsake en waterwese, wat ook hierdie skrywe insluit.

Ek stel u voorlopig in kennis dat ek die oprig van die genoemde stasie opponeer en dat dit nie gebou moet word nie.

Ek sal dit hoog op prys stel as u my in Afrikaans sal terug antwoord en enige skrywes in my voertaal sal versend.

Groete

HL Fourie (Jnr)

e-pos: [transboegoe4u@gmail.com](mailto:transboegoe4u@gmail.com)

selnommera; 083 500 71 80

078 561 43 70



## Simon Clark

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**From:** transboegoe4u@gmail.com  
**Sent:** Thursday, March 06, 2014 9:41 AM  
**To:** Shawn Johnston; Simon Clark; Diane Erasmus; Ronney West; Niel Theron; ayaphi@upprov.ncape.gov.za; Ms Mmatlala Rabothata  
**Cc:** Angelo Da Silva; Arista  
**Subject:** Fw: VERSLAG - NA VERGADERING OP 10 FEB '14 - HIDRO KRAGSENTRALE TE BOEGOEBERGDAM  
**Attachments:** Response Form\_Afr\_CN (1) vir openbare kommentaar.docx; Transport akte T64217-2011.docx

Geagte Meneer Shawn Johnston

Hier volg my verslag soos aangevra deur u en Aurecon personeel op openbare vergadering te Boegoeberg Gemeenskapsaal op 10 Februarie 2014.

### **Die volgende vrae is aan die paneel voorgele:**

1. Die kraglyn is onooglik vir toerisme, hoe gaan dit aangespreek word?
2. Die Boegoe-struik wat inheems is aan ons streek en nog SLEGS op die koppie waar die voorgenome tunnel gaan wees voorkom, gaan hierdie skaars struik hervestig word?  
(Die dam se naam verleen hom aan die struik wat hier volop voor gekom het.)
3. Hoe gaan die konstruksie fase die toerisme by Trans Boegoe Kamp benadeel en ook die hengel in die rivier?
4. Die bome by die Trans Boegoe Kamp is al oor die 100 jaar oud, hoe gaan die konstruksie fase hierdie bome affekteer en wat gaan daaromtrent gedoen word?
5. Die groot toerusting (voertuie, ens) hoe gaan dit die toerisme by Trans Boegoe beïnvloed?
6. Die geraas, in hoe 'n mate gaan dit die Toerisme by Trans Boegoe affekteer en so ook die stof?
7. Die beplande heining wat teen die kanaal gespan gaan word om mense en diere uit te hou, gaan die toerisme (hengel en kampeerdere) direk affekteer, hoe gaan dit aangespreek word?
8. My woning is in die sper met die oprigting van hierdie projek, waar gaan ek woon as die pyplyn deur my woning gaan?
9. Ek het 'n besigheid in die vorm van 'n kamp met 4x4 roete, dit is my bron van inkomste en dus gaan dit my finansiële BAIE ernstig affekteer, hoe gaan hierdie punt hanteer word?  
(Ek het 3 minderjarige kinders en 'n vrou wat afhanklik is van hierdie inkomste en my besigheid se naam is ook ingedrang)

### **Bogenoemde is wat op die vergadering bespreek is, maar daar is nog kwelpunte wat ek wil aanspreek:**

1. Die kraglyn na die Sub-stasie, wie het toestemming verleen dat hierdie kraglyn met so 'n wye ompad moet loop tot by Me Susarie Geldenhuys se woning, terwyl daar 'n ander en korter pad oor die rivier beskikbaar is? Die kraglyn gaan vir ons onooglik wees, veral in aggenome die aard van die toerisme besigheid wat ons op die gedeelte van die eiendom wat ons okkupeer bedryf. Al ons gaste kom juis om ongerepte natuurskoon te geniet, maar sal die oprigting van 'n kraglyn reg in sig van die gaste wees en sal verseker 'n negatiewe impak op die kampeer besigheid he.

Die voormelde is veral relevant, aangesien daar alternatiewe roetes is waarlangs die lyn kan loop, en bepaald is ons van mening dat die lyn direk oor die rivier, vanaf die hidro kragstasie gebou kan word (onderkant die damwal en uit sig van die kampeerdere ens. wat bo die damwal kampeer). Maar hierdeur keur ons nie die bou van die kragstasie goed nie, die restant van die Konstruksie van die stasie en die kanale ens, gaan effektiewelik ons kampeere en 4x4 besigheid vernietig.

2. Ek weier dat die beoogde konstruksie-kamp REG voor my kampterrein aangebring word – dit sal 'n DEFFINITIEWE negatiewe uitwerking op toerisme veroorsaak en soos voormeld, meen ons dat dit effektiewelik die besigheid tot 'n einde sal bring en die geheel van die klandisie daarvan sal vernietig. In hierdie verband, kan ek alreeds bevestig dat een van ons gereelde kampeerdere, Mnr Angelo Da Silva, ons alreeds toe hy van die beoogde Konstruksie te wete gekom het en die bou van die kanaal en stasie, meegedeel het dat sodra hulle met die Konstruksie begin, ons hom moet inlig sodat hy sy boot by ons kan kom haal en dat hy daarna nie meer belang sal stel om te kampeer by ons nie. Hy deel mee dat dit vir hom duidelik is dat sodra daar Konstruksie werkers daar werk en woon, hy ook nie gemaklik sal wees om sy karavaan, en kampgereedskap oop in die kampeer terein te laat nie, vanwee die inherente diefstal risikos wat sal ontstaan. Bo en behalwe dit, is dit vir hom ooglopend dat die konstruksiewerke ook sal vuur maak om kos te maak, en sal die rook en brandgevaar wat daaruit voorspruit vir hom (en ook ons) onaanvaarbaar wees. Hy kan gekontak word op 083 375 0923.

#### **Dan wil ek ook die volgende feite onder u aandag bring:**

Me Susara Marthina Geldenhuys is deffinitief nie die eienaar van die restante deel van Onderseekoebaard nr 306 nie, soos geimpliseer op die Aurecon Scoping Report nie. Sy mislei Aurecon, Hydro SA en ook die pulblik deur haar naam daarop te plaas.

Sy het slegs aanspraak op gedeelte 2, waar sy nie die eerste eienaar is nie, maar wel haar man, Mnr AJ Geldenhuys en sy tweede eienaar is.

By gedeelte 3 is sy en haar man die eienaars (soos ons dit sien).

Ook word u mislei met die titel akte T64217/2011- daar is nie so 'n akte geregistreer nie (in die verband het ons ons Prokureurs versoek om 'n aktesoek te doen op die nommer, maar kon daar niks daarvoor gevind word nie) en sal ek dit hoog opprys stel as u my wel die teendeel kan bewys en ook wie die toestemming vir so 'n oordrag toegestaan het, aangesien my vader, die eienaar van restante 306, nie bevoeg is om hierdie toestemming te verleen nie,. (aangeheg vind bewys dat sodanige titel akte nie bestaan nie) Hy is reeds vanaf 2004 erg deurmekaar as gevolg van Alzheimers en vanaf 2006 was hy nie meer instaat om sy eie sake te hanteer nie (hy was regtens handelingsonbevoeg). Daar is ook 'n hangende onbevoegdheidsaak 348/2013 te Hooggeregshof – Kimberley en het ek deur Mnr. MAF Kruger aan u die bewys van die aansoek vir 'n Kurator Ad Litem besorg.

Tydens die vergadering gehou te Boegoeberg Gemeenskapsaal, waar u Mnr Johnston teenwoordig was, het Mev Susarie Geldenhuys gemeld dat ons nie toestemming sou gehad het om op die eiendom te woon en of die toerisme besigheid te bedryf nie. Hierdie kwessie omtrent die toestemming om die toerisme besigheid te bedryf, is voor die vergadering alreeds opgeneem met Mev SM Fourie en onself, deur die Advokaat, Mev. Alme Stanton – Kurator Ad Litem van my Pa en sy het persoonlik aan my gese ter vergadering 10 September 2013 te Upington, dat daar steeds toestemming is om Trans Boegoe te bedryf. Sy het dit aan my meegedeel nadat sy dieselfde dag in vergadering met my Ma en suster was aan huis (woning van my suster, Susarie) op die plaas.

My suster se publieke uitspraak oor die kwessie dat ek nie huur betaal nie en dat die huurgrond terug geneem is, is ook geheel en al misleidend. Ons bewoon die eiendom in terme van 'n lewensreg waarop alreeds gedurende 2004 ooreengekom is met Mnr HL Fourie (SNR) en onself en bewoon ons die eiendom tans regmatiglik en bedryf ons ook die toerisme besigheid regmatiglik. Geen persoon, insluitende Susarie Geldenhuys en of Mev SM Fourie is geregtig om ons verblyfreg en gebruik van die grond soos voormeld te beëindig nie. Dit sluit Aurecon of hul klient (Hydro SA) in.

Laastens wil ek ook onder u aandag bring dat daar direk met my onderhandel moet word oor die oprigting van die kragstasie en alles wat daarmee gepaard gaan en nie soos in die verlede deur my suster Susarie nie – sy het GEEN aanspraak op hierdie gedeelte van die plaas nie en ook geen inspraak op ons verblyfreg en ons toerisme besigheid nie.

Wat uiters belangrik is, is om op hierdie stadium op rekord te plaas dat nie uself en of Aurecon en of Hydro SA en of enige ander entiteit of persoon ons op enige stadium al gekontak het of met ons bespreek het wat die impakte van die kragstasie op ons woning en op ons besigheid sal he nie. Dit is belangrik om in die verband ook op rekord te plaas dat Hydro SA en Aurecon (vir redes aan ons onbekend) verkies om ten opsigte van alle sake wat ONS aangaan, dit met ene Mev Susarie Geldenhuys te bespreek, wie geen insae het ten opsigte van ons sake nie, is sy nie ons agent nie, tree sy nie in ons belang op nie, en vir sodanige doeleindes, vereis ons dat Hydro SA en Aurecon (en insoverre dit u aangaan, uself ook) ons direk sal nader en slegs met ons die sake sal bespreek wat ons betref. Ons versoek dat u bevestig dat u dit so aan Hydro SA en Aurecon oorgedra het.

Ons plaas verder op rekord dat in die lig van die voormelde, Hydro SA en Aurecon ons eenvoudig ignoreer en nie die impakte wat die kragstasie op ons en ons besigheid sal he. Ons bevestig en plaas ook rekord dat nie een van hulle enigsins die impakte, die mitigerings daarvan ens, met ons opneem nie, welke vir ons nou krities belangrik word. Indien dit so voortgaan en indien Hydro SA of enige ander entiteit regte sou kry om voort te gaan met Konstruksie, sal ons verseker weens 'n gebrek aan 'n konsultasie proses in die verband die nodige dringende interdik by 'n gepaste gereghof moet aanvra om die aktiwiteite te stuit, hangende konsultasie en die kom tot 'n vergelyk (indien moontlik) op al die aspekte wat ons betref.

### **Aanhangsels**

Aangeheg, sal u vind die kommentaar wat gelewer is met my aansoek as 'n geaffekteerde en belanghebbende persoon voor einde Augustus 2013 (was sperdatum vir aansoek gewees, volgens plakkate)

Die tweede aanhangsel is die Transport akte soos bespreek met Mnr. Simon Clark en is die bewys dat die stuk "staatsgrond" 1/306 (fig 6 – July 2013 Draft Scoping Report deur Aurecon) nie oor die akte nommer beskik wat in die Draft Scoping Report aangedui is as deel 1 van plaas Onderseekebaard 306 nie – genoem eienaar: RSA in die report.

Hiermee sluit ek voorlopig my kommentaar en verslag.

Groete

Lourens Fourie

OKKUPEERDER EN SEUN VAN H.L. FOURIE SNR - Eienaar Onderseekebaard 306

**Cape Town**  
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27 Augustus 2013

E-pos: simon.clark@aurecongroup.com

Geagte Mnr Fourie

**BEOOGDE HIDROKRAGSENTRALE EN VERWANTE INFRASTRUKTUUR BY BOEGOEBERGDAM OP DIE  
ORANJERIVIER, NABY GROBLERSHOOP, NOORD-KAAP:  
ANTWOORDE OP KOMMENTAAR**

DOS Verwysingsnr 14/12/16/3/3/2/568; NEAS Verwysingsnr: DEA/EIA/TBA

Sien asblief ons antwoorde hieronder met die doel om duidelikheid te gee aan u vrae as deel van die Omgewingsinvloedbepalingsproses (OIB) se openbare deelname in terme van die Wet op Nasionale Omgewingsbestuur, 1998 (Wet Nr. 107 van 1998) (soos gewysig) (WNOB). Ons vertrou dat dit genoeg duidelikheid sal verskaf met betrekking tot u vrae.

Dit is vir my uiters teleurstellend dat ek eers op die 10de Junie 2013 deur my suster, Susarie Geldenhuys inkennis gestel is oor die voorgenome projek om 'n Hidro Kragentrale op plaas Onderseekoebaard nr 306, naby Groblershoop in die Noord-Kaap te bou. Ek is 'n direk geaffekteerde en ook 'n belanghebbende in die projek. Ek het reeds in 2002 begin om 'n kampterrein en hengel gebied met 4x4 roetes te open op die grond rondom die damwal. Dus word die grond gebruik vir toerisme, aan die onderkant, sowel as aan die bokant van die damwal.

*Openbare deelname proses:*

Die aanvang van die openbare deelname proses vir die bogenoemde projek het eers op 15 Julie 2013 begin toe grondeienaars en die publiek in kennis gestel is deur middel van verskeie media soos vereis word deur die WNOB. Die proses bied geleentheid tydens verskeie fases om Belanghebbende en Geaffekteerde Partye (B&GPe) se bekommernisse aan te spreek. U is geregistreer as 'n B&GPe en alle beskikbare projek informasie vir die huidige fase is aan u aangestuur en ons sal voortgaan om dit te doen vir die res van die OIB proses vorentoe.

My suster het my tydens 'n besoek aan my vader, wat aan 'n gevorderde stadium van Alzheimer lei, meegedeel dat Aurecon 'n besoek gaan aflê om te kyk na water turbine skema wat moontlik hier opgerig kan word.

*Duidelikheid rakende Aurecon se rol:*

Aurecon is aangestel om die vereiste omgewingsmagtigingsproses uit te voer namens HydroSA. Aurecon se rol is om moontlike impakte geassosieer met die voorgenome hidro-kragentrale te evalueer in terme van die biofisiese en sosio-ekonomiese omgewing. Aurecon is dus onafhanklik en vorm nie deel van enige besigheids onderhandelings met grondeienaars nie omdat dit buite ons mandaat val. Enige besigheidsonderhandelings met grondeienaars word deur HydroSA hanteer.

Ek is die okkupeerder en ontwikkelaar van die grond rondom die dam en het ek 'n lapa, 'n huis – wat ek permanent bewoon, asook 'n ablusieblok op hierdie grond gebou op eie onkoste en met toestemming van my Vader.

Mnr. Niël Theron was Desember 2012 saam met Mnr. Peet Stuwig, van Eskom by die dam. Tydens hierdie besoek, het Mnr. Peet Stuwig my gevra aan wie behoort die grond en ek het hom meegedeel dat die grond nog in my Pa, Hendrik Lourens Fourie (gebore 8 November 1929) se naam is.

Mnr. Niël Theron het my dan ook besoek, maar ek het nie kans gehad om hom uit te vra oor die projek nie, want my suster het kort-kort tussenbeide getree. (Hier het ek onder die indruk gekom dat inligting van my weerhou word, vir redes wat duister is vir my).

Ek wil dus dringend onder u en belanghebbende personeel in die projek, se aandag bring dat die grond op **figuur 6** in u - *Boegoeberg Hydropower Station Draft Scoping Report reduced quality emailable* – gedeelte 1, wel staatgronde is, maar dat die gronde daar rondom: Restante deel 2 van plaas Zeekoebaard nr 306, aan my vader Mnr. HL Fourie (snr), gebore 8 November 1929, behoort en dat dit sy eiendom is op transportakte. Inwerklikheid behoort deel 1 van plaas Onderseekoebaard nr. 306, **SLEGS** aan Mnr HL Fourie Snr. Gedeelte 2 van plaas, behoort aan Mnr AJ Geldenhuys en Mev SM Geldenhuys, gedeelte 3 van plaas, behoort aan Mnr AJ Geldenhuys en Mev SM ?.

Ek wil dit duidelik onder u aandag bring, dat my Vader *non compis mentis* is en dat daar tans 'n aansoek by die Hooggeregshof te Kimberley gebring is vir die aanstel van 'n kurator bonis vir hom. Eers dan sal 'n Kurator Bonis moontlik aangestel word om sy sake te hanteer. Let wel: Dus het my suster, SM Geldenhuys geen seggenskap oor die grond nie. Ook nie Prok Poen Bergh beskik oor die reg om oor my Vader se grond besluite te neem nie. Poen Bergh is slegs huidiglik SM Geldenhuys se prokureur. My vader is ook die alleen eienaar van die grond en is die grond slegs op sy naam oorgedra in transportakte in 1969.

**Kommentaar met betrekking tot eiendomsregte en regmatige eienaarskap van die geaffekteerde eiendomme moet gerig word aan BBM Prokureurs (Poen Berg; [poen@bbmupington.co.za](mailto:poen@bbmupington.co.za); 083 399 0555) siende dat dit buite Aurecon se mandaat val. Ons erken egter dat u regte het as 'n B&GP en kennis word geneem van u reg om relevante kwessies te opper en kommentaar te lewer rakende die projek.**

Ek sal dit dus opreg waardeer as daar in die vervolg ook aan my as okkupeerder, belanghebbende en direk geaffekteerde, kennis gegee sal word van enige besoeke en vergaderings, ook dat ek self besoek sal word vir verdere insae in die projek.

**Aurecon en ons verwante subkontraakteurs (spesialiste) sal u kontak ten einde toegang tot u eiendom te bekom om hulle studies uit te voer, maar let asb daarop dat informasie rakende die projek slegs deur die amptelike verslagdoening kanaal geskied waar alle B&GPe op dieselfde tyd in kennis gestel word. Alle relevante kommentaar en kwessies wat u opper met betrekking tot die voorgenome projek sal beantwoord word as deel van die OIB proses.**

Daar is 'n paar kwel vrae wat ek persoonlik met Mnr. Niël Theron of u persoonlik wil opneem, sodat ek ook gemoedsrus kan hê en verlang in die verband dat u my met datums en 'n tyd en plek sal voorsien waar ons kan vergader.

**Mnr Theron is bewus van u versoek en wag op die toepaslike wetlike arbitrasie om sy loop te neem rakende die kwessie van eiendomsreg voor daar met u kontak gemaak word.**

Hierdie projek raak my persoonlik en ook finansiëel – ernstig in die vorm van my woning, 'n besigheid wat ek opgebou het vanaf 2002 (met my vader se toestemming), kinders wat op skool is en 'n kind wat studeer. Ek is 'n 47jarige, wat ontwortel moet word en dus my hele toekoms en inkomste tot en met aftree ouderdom moet inboet. Dus is dit van kardinale belang dat inligting en kennisgewing direk na my ook geskied.

**As 'n geregistreerde B&GP sal alle informasie rakende die projek aan u voorsien word reg deur die OIB proses. Ons verstaan die erns van die moontlike implikasies van die projek op u persoonlike**

en finansiële posisie, maar op hierdie stadium is daar onduidelikheid rakende sekere wetlike aspekte rondom okkupasie regte wat uitgeklaar moet word.

Ten einde my in staat te stel om sinvol kommentaar te lewer op die voorgestelde Hidro Kragstasie projek, is dit nodig dat ek volledig en verstaanbaar ingelig word presies wat die konstruksie proses sal behels, asook wat die normale bedryf van die hidro kragstasie sal behels, bv hoe dit die vloei van die rivier sal beïnvloed, of watervloei oor die grond waar ek woon en die kampeerterrein sal vloei en dit impakteer, of die kragstasie se werking die effek sal he dat die rivier besoedel word, hoe die kragstasie die vloei van die rivier sal impakteer, of die bedryf sal veroorsaak dat water wat deur die sisteem gaan met lug gevul word e wat dit aan die vislewe onder die damwal sal doen, of die stasie 'n geraas impak sal he (synde ek 'n natuurlike kampeerterrein bedryf, wanneer u beoog om met die konstruksie te begin ens . Ek verneem graag dringend wie my met die voormelde en sodanige ander inligting as wat ek nodig mag he kan voorsien, sodat ek volledige kommentaar kan opstel.

Die moontlike impakte van die konstruksie en bedryf van die voorgenome Hidro-kragentrale sal in meer diepte bestudeer word deur spesialiste en sal deel vorm van die OIB proses. Die resultate van die ondersoeke/ studies sal deurgegee word in die OIB verslae. U kommentaar saam met die projekspan se antwoord daarop, sal opgeneem word in 'n Kommentaar-en-Antwoordverslag (K&AV) wat ingedien sal word by die bevoegde owerheid wat in die geval die Departement van Omgewingsake (DOS) is.

Ek vereis verder dat u alle kommentaar wat ek lewer in die volle vorm daarvan sal indien by die departement omgewingsake en waterwese, wat ook hierdie skrywe insluit. Ek stel u voorlopig in kennis dat ek die oprig van die genoemde stasie opponeer en dat dit nie gebou moet word nie.

U teenkanting word aangeteken, maar die OIB proses gaan voortgaan en die moontlike relevante impakte sal bestudeer word en die resultate, saam met kommentaar ontvang, sal aangestuur word aan die DOS ten einde 'n ingeligte besluit te maak of die projek 'n omgewingsmagtiging moet verkry al dan nie.

Ek sal dit hoog op prys stel as u my in Afrikaans sal terug antwoord en enige skrywes in my voertaal sal versend.

Let asb daarop dat kommunikasie aan u in Afrikaans sal wees soos versoek.

Sou u graag enige verdere kwessies of bekommernisse met betrekking tot die OIB proses wil opper, kontak ons gerus.

Die uwe  
AURECON



**SIMON CLARK**

Praktisyn: Omgewings- en Adviesdienste

File Reference: P:\Projects\109636 EA for Hydro Plant, Boegoeberg Dam\03 Project Delivery\PPP\Comments received\Reponses\Boegoeberg~HL Fourie Jnr.doc





## Final Comment

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

Attention: Aurecon - Cape Town  
1 Century City Drive, Waterford Precinct, Century City  
P.O Box 1347, Cape Town 8000

### Proposed Boegoeberg Hydropower Station and Associated Infrastructure at Boegoeberg Dam on the Orange River, near Groblershoop, Northern Cape: DEA Ref: 14/12/16/3/3/2/568; NEAS Ref: DEA/EIA/TBA

*Orton, J. and Webley, L. November 2013. Heritage Impact Assessment for the Proposed Boegoeberg Hydropower Station near Groblershoop, Northern Cape.*

*Almond, J. September 2013. Palaeontological Heritage Assessment: Desktop Study for the Proposed Hydropower Station and associated infrastructure at Boegoeberg Dam on the Orange River near Groblershoop, Kheis, Siyathemba & Siyancuma Local Municipalities, Northern Cape*

The above reports were submitted for the proposed development of a 15MW hydropower station and associated infrastructure at Boegoeberg Dam in the Northern Cape. The proposed development consists of a hydropower station on the Orange River and includes an off-take structure for water abstraction, a temporary dam, water conveyance infrastructure, a head pond, pipelines, a power chamber, switchroom and transformer yard, an outlet channel, a distribution powerline and access roads.

It is noted that this proposed development has not yet been mapped using the SAHRIS Mapping tool.

The heritage impact assessment identified a number of archaeological resources of varying significance. An extensive artefact scatter, consisting of Middle and Later Stone Age artefacts, was identified on top of the cliff above Boegoeberg Weir (ZKB2013/001). This site was identified as having some heritage significance. An ephemeral archaeological scatter of low significance was identified downstream of the weir. Twelve stone wall features of archaeological significance were identified on the south side of the river and on the mountain slope (BDW2013/001). Although rock art in the area is likely, none was identified in the field assessment.

One informal graveyard and two possible graves including a stone cairn (ZKB2013/004, ZKB2013/003 and ZKB2013/002) were identified in the report. No structures will be impacted by the proposed development. Boegoeberg Weir was constructed between 1929 and 1933 and as such has some heritage significance. It is noted that the weir will not be impacted by the proposed development. Existing borrow pits will be reused for the proposed development.

Three silt storage areas have been proposed however none of these is likely to impact significant heritage resources. There is a concern that water drainage may lead to erosion of the floodplain margins which may impact archaeological sites and burials of heritage significance.



According to the palaeontological assessment, no areas or sites of palaeontological significance were identified within the study area. It is unlikely that the proposed development will impact on significant palaeontological heritage.

**Final Comment**

SAHRA has no objection to the proposed development based on the information provided in the above reports on condition that;

- The gravestone and stone cairn (ZKB2013/003 and ZKB2013/002) must not be impacted by development activities. These sites must be clearly demarcated and carefully avoided.
- Excavation of the silts below the weir must be carefully monitored for additional burials by the ECO.
- The graveyard at ZKB2013/004 must be fenced and a 20m buffer zone of no development must be imposed. A Conservation Management Plan must be adopted for the continued management and conservation of this site.
- The stone structures at BDW2013/001 must be avoided during construction and may not be impacted by the proposed development of the hydropower station or the transmission lines. This will require the careful placement of pylons. A permit in terms of Section 35 of the NHRA is required from SAHRA should any of these structures be disturbed.
- The archaeological site identified at ZKB2013/001 requires archaeological mitigation (Phase 2) in the form of detailed documentation, including mapping and sampling. This must occur prior to construction activities. This mitigation will require a permit from SAHRA in terms of Section 35 of the NHRA.
- Should any evidence of archaeological sites or remains (e.g., remnants of stone-made structures, indigenous ceramics, bones, stone artefacts, ostrich eggshell fragments, marine shell and charcoal/ash concentrations), unmarked human burials, fossils or other categories of heritage resources are found during the proposed activities, SAHRA APM Unit (Jenna Lavin/Colette Scheermeyer 021 462 4502) must be alerted immediately, and a professional archaeologist or palaeontologist, depending on the nature of the finds, must be contacted as soon as possible to inspect the findings. If the newly discovered heritage resources prove to be of archaeological or palaeontological significance a Phase 2 rescue operation might be necessary.

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

Yours faithfully

Jenna Lavin  
Heritage Officer





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South African Heritage Resources Agency

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Colette Scheermeyer  
SAHRA Head Archaeologist  
South African Heritage Resources Agency

---

**ADMIN:**

Direct URL to case: <http://www.sahra.org.za/node/126178>

**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.



## Simon Clark

---

**From:** René de Kock (WR) <Dekockr@nra.co.za>  
**Sent:** Tuesday, January 21, 2014 8:54 AM  
**To:** Simon Clark  
**Cc:** Colene Runkel (WR)  
**Subject:** FW: PROPOSED BOEGOEBERG HYDROPOWER STATION DEA Ref: 14/12/16/3/3/2/568 - AVAILABILITY OF THE DRAFT ENVIRONMENTAL IMPACT ASSESSMENT REPORT

Dear Simon,

Thank you for your email.

The South African National Roads Agency SOC Limited (SANRAL) has no comment, seeing that the national road will not be affected. Therefore, please ignore the attached wayleave form.

Kind regards



**Ms René de Kock**  
*Statutory Control*  
Tel: +27 21 957 4607  
Fax: +21 910 1699  
Email: [Dekockr@nra.co.za](mailto:Dekockr@nra.co.za)



**Are you ready?  
Get tagged**

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**Western Region**  
1 Havenga Street, Oakdale, 7530  
Private Bag X19, Bellville, 7535  
[www.nra.co.za](http://www.nra.co.za)  
**SANRAL Fraud Hotline: 0800204558**

---

**From:** Simon Clark [<mailto:Simon.Clark@arecongroup.com>]  
**Sent:** 20 January 2014 04:15 PM  
**To:** René de Kock (WR)  
**Cc:** Diane Erasmus  
**Subject:** RE: PROPOSED BOEGOEBERG HYDROPOWER STATION DEA Ref: 14/12/16/3/3/2/568 - AVAILABILITY OF THE DRAFT ENVIRONMENTAL IMPACT ASSESSMENT REPORT

Dear René

Thank you for your email. Please confirm this requirement (form) is applicable as no national roads will be crossed? The proposed transmission line is to run from the facility adjacent to a divisional farm road (dirt) to the substation.

Kind regards

**Simon Clark**  
Aurecon

T +27 21 526 6034 C +27 84 614 7800

E [Simon.Clark@arecongroup.com](mailto:Simon.Clark@arecongroup.com)

Aurecon Centre 1 Century City Drive Waterford Precinct Century City South Africa  
[aurecongroup.com](http://aurecongroup.com)



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**From:** René de Kock (WR) [<mailto:Dekockr@nra.co.za>]

**Sent:** Monday, January 20, 2014 3:43 PM

**To:** Simon Clark

**Cc:** Colene Runkel (WR)

**Subject:** RE: PROPOSED BOEGOEBERG HYDROPOWER STATION DEA Ref: 14/12/16/3/3/2/568 - AVAILABILITY OF THE DRAFT ENVIRONMENTAL IMPACT ASSESSMENT REPORT

Dear Simon,

Thank you for your email dated 2 December 2013.

A wayleave application needs to be submitted for the crossing of the national roads. Attached please find the wayleave application form which needs to be completed and returned to Colene Runkel at [runkelc@nra.co.za](mailto:runkelc@nra.co.za) for her further attention.

Kind regards



**Ms René de Kock**

**Statutory Control**

Tel: +27 21 957 4607

Fax: +21 910 1699

Email: [Dekockr@nra.co.za](mailto:Dekockr@nra.co.za)

**Western Region**

1 Havenga Street, Oakdale, 7530

Private Bag X19, Bellville, 7535

[www.nra.co.za](http://www.nra.co.za)

**SANRAL Fraud Hotline: 0800204558**



**Are you ready?  
Get tagged**

**From:** Simon Clark [<mailto:Simon.Clark@arecongroup.com>]

**Sent:** 02 December 2013 11:50 AM

**Subject:** PROPOSED BOEGOEBERG HYDROPOWER STATION DEA Ref: 14/12/16/3/3/2/568 - AVAILABILITY OF THE DRAFT ENVIRONMENTAL IMPACT ASSESSMENT REPORT

Dear Sir/ Madam

**PROPOSED BOEGOEBERG HYDROPOWER STATION AND ASSOCIATED INFRASTRUCTURE AT BOEGOEBERG DAM ON THE ORANGE RIVER, NEAR GROBLERSHOOP, NORTHERN CAPE:**

**AVAILABILITY OF THE DRAFT ENVIRONMENTAL IMPACT ASSESSMENT REPORT**

DEA Ref: 14/12/16/3/3/2/568

The purpose of this email is to notify Interested and Affected Parties (I&APs) of the opportunity to comment on the Draft Environmental Impact Assessment Report (EIR) for the abovementioned project. Please see the attached notification letters and non-technical executive summaries.

The hard copies of the Draft EIR can be viewed at the Groblershoop Public Library, at the Kheis Municipality offices in Groblershoop and electronic copies are available on Aurecon's website - <http://aurecon.webfoundryza.com/index.php?id=180> (full annexures) or on Dropbox - <https://www.dropbox.com/sh/fb9qx37age9cgdj/6aJzaBSlw8> (no annexures).

Should you have any comments or concerns regarding the proposed project, please provide your comments in writing to Aurecon by email, fax or post, on or before **29 January 2014**.

Yours sincerely  
AURECON

**Simon Clark**  
Aurecon  
T +27 21 526 6034 C +27 84 614 7800  
E [Simon.Clark@aurecongroup.com](mailto:Simon.Clark@aurecongroup.com)  
Aurecon Centre 1 Century City Drive Waterford Precinct Century City South Africa  
[aurecongroup.com](http://aurecongroup.com)



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T64217/2011 (KIMBERLEY)  
Not Found

## Search Information

### Summary

Reference	→	MDP
Search Criteria	→	T64217/2011 (KIMBERLEY)
Search Date		2013/09/10 11:57:44 AM
Performed By		MARILIZE DU PREEZ
Search Identifier		B8AAA29A-2AD6-4D45-8A60-4DAEE4504467
Search Type		DEED DOCUMENT ENQUIRY

## Report Information

Date of Information		10/09/2013
Print Date		10/09/2013
Generated By		MARILIZE DU PREEZ
Reference		MDP
Report Type	→	NOT FOUND

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# BECKER BERGH & MORE<sup>ING</sup>

REG NO 1983/11944/21

PROKUREURS, BOEDELBEREDDERS  
AKTEBESORGER

U VERWYSING

ONS VERWYSING

DATUM

P BERGH FO114-B/0001/gf  
(48710)

23 November 2012

Mnr H L Fourie (Jnr) en  
mev Elzahn Fourie  
Posbus 177  
GROBLERSHOOP  
8850

Geagte Meneer/mevrouw

## **HUURKONTRAK: HL FOURIE EN S M FOURIE (SNR)**

Met verwysing na bostaande het ons opdrag van ons kliënte, mnr H L Fourie en mev S M Fourie ontvang om hierdie skrywe aan u te rig.

Dit is ons instruksie dat u die bepaling van die kontrak gedateer 8 Julie 2011 verbreek deurdat u geen huurgeld betaal nie en derhalwe Klousule 2 van die ooreenkoms verontagsaam.

Ingevolge Klousule 11 van die ooreenkoms, en spesifiek Klousule 11.1 daarvan, word u hiermee aangesê om binne 14 (veertien) dae nâ hierdie skriftelike kennisgewing, die huurgeld op datum te betaal.

Indien u sou versuim, sal die betalings van Klousule 11.1.1 en 11.1.2 toepassing vind.

Hierdie kontrak sal derhalwe gekanselleer word en sal ons kliënte besit van die eiendom neem.

Ons wil u derhalwe versoek om sonder versuim die agterstallige huurgeld sedert van ondertekening van die kontrak tot op datum te vereffen.

Die uwe

**Hierdie kantoor sluit 21 Desember 2012 om 12:00  
en heropen 07 Januarie 2013 om 08:00  
'n Geseënde Feesgety word u toegewens.**

Adres: Blaauws Eke Gebou  
Schröderstraat 7  
Posbus 9, 128  
Upington, 8800  
Docex 7, Upington

Telefoon 054 337 9100  
054 331 2024

Faks 054 337 9101  
054 331 2026

Direkte Faks: 086 656 3384

Direkteure: HH Becker (B Proc, Dip. Bestorwe Boedels), JU Bergh (B.A. LLB),  
LS More (LLB), JY Claasen (B Proc.),

E-pos: [mariaan@bbmupington.co.za](mailto:mariaan@bbmupington.co.za)

## Simon Clark

---

**From:** Andre Geldenhuys <rugbreek@gmail.com>  
**Sent:** Friday, February 21, 2014 7:50 AM  
**To:** niel@hydro-sa.com  
**Cc:** Simon Clark  
**Subject:** Boegoebergdam huurkontrak  
**Attachments:** kanselering van huurkontrak.tif

Hi

Aangeheg is die prokureursbrief waarvolgens die huurkontrak van Lourens en Elzahn Fourie van die Transboegoe-oord beëindig is. Hy beweer nou hy het n mondelingse kontrak maar dit is totaal onwaar.

--

Andre Geldenhuys  
Rugbreek Boerdery  
Sel: 0836083311  
Fax2email: 0865769111  
Posbus 66, Groblershoop, 8850

## Simon Clark

---

**From:** Lizelle Stroh <StrohL@caa.co.za>  
**Sent:** Monday, February 03, 2014 2:21 PM  
**To:** Simon Clark  
**Subject:** FW: PUBLIC MEETING - BOEGOEBERG - 10 FEBRUARY 2014 - PROPOSED HYDROPOWER STATION AND ASSOCIATED INFRASTRUCTURE AT BOEGOEBERG DAM  
DEA REF: 14/12/16/3/3/2/568  
**Attachments:** Site.xls; Pylon Geographic co ordinates.xls

There is a CAA process whereby permission is applied for wrt obstacles which could pose an aviation hazard. More information can be obtained at <http://www.caa.co.za>. Click on 'Obstacles' on the LHS.

- Kindly provide a .kml (Google Earth) file reflecting the footprint of the proposed development site **including the proposed overhead electric power line route that will evacuate the generated power to the national grid.**

Also indicate the **highest** structure of the project & the Overhead electric power transmission line

Kind regards

**Lizell Stroh**  
Obstacle Specialist  
Aviation Obstacle and GIS

---

### South African Civil Aviation Authority

Tel: 011 545 1232  
Cell: 083 461 6660  
Fax: 011 545 1282  
Email: [strohl@caa.co.za](mailto:strohl@caa.co.za)  
Website: [www.caa.co.za](http://www.caa.co.za)



***"Forget past mistakes. Forget failures. Forget everything except what you're going to do now and do it."***

---

**From:** Zimele Mtimkulu  
**Sent:** 03 February 2014 10:08 AM  
**To:** Lizelle Stroh  
**Subject:** FW: PUBLIC MEETING - BOEGOEBERG - 10 FEBRUARY 2014 - PROPOSED HYDROPOWER STATION AND ASSOCIATED INFRASTRUCTURE AT BOEGOEBERG DAM  
DEA REF: 14/12/16/3/3/2/568

**From:** Simon Clark [<mailto:Simon.Clark@aurecongroup.com>]  
**Sent:** Friday, January 31, 2014 4:37 PM  
**Subject:** PUBLIC MEETING - BOEGOEBERG - 10 FEBRUARY 2014 - PROPOSED HYDROPOWER STATION AND ASSOCIATED INFRASTRUCTURE AT BOEGOEBERG DAM DEA REF: 14/12/16/3/3/2/568

Dear Sir/ Madam

**PROPOSED HYDROPOWER STATION AND ASSOCIATED INFRASTRUCTURE AT BOEGOEBERG DAM ON THE ORANGE RIVER, NEAR GROBLERSHOOP, NORTHERN CAPE:**  
DEA REF: 14/12/16/3/3/2/568; NEAS REF: DEA/EIA/TBA  
**BOEGOEBERG PUBLIC MEETING**

Interested and Affected Parties (I&APs) in the vicinity of the proposed project are hereby invited to attend a public meeting at the Boegoeberg community Hall, School Street on **10 February 2014**. An open-house is proposed from **16h00** where I&APs can engage with the project team and view posters. I&APs are asked to **R.S.V.P** in order for the project team to confirm the venue can cater for the number of attendees.

Place	Venue	Date and Time
Boegoeberg	Boegoeberg Community Hall, School Street	10 February 2014 16h00-19h00

If you have any questions or comments, or require clarification of the content of the attached, please contact Simon Clark or Diane Erasmus of Aurecon.

*Diane Erasmus* or *Simon Clark*  
*P O Box 509, George, 6530* *PO Box 494, Cape Town, 8000*  
*Tel: 044 805 5421* *Tel: 021 526 6034*  
*Fax: 044 805 5454* *Fax: 021 526 9500*  
*Email: [diane.erasmus@aurecongroup.com](mailto:diane.erasmus@aurecongroup.com)* *Email: [simon.clark@aurecongroup.com](mailto:simon.clark@aurecongroup.com)*

Yours sincerely  
AURECON

**Simon Clark**  
Aurecon  
T +27 21 526 6034 C +27 84 614 7800  
E [Simon.Clark@aurecongroup.com](mailto:Simon.Clark@aurecongroup.com)  
Aurecon Centre 1 Century City Drive Waterford Precinct Century City South Africa  
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## agriculture, forestry & fisheries

Department:  
Agriculture, forestry & fisheries  
REPUBLIC OF SOUTH AFRICA

Directorate Land Use and Soil Management, Private Bag x120, Pretoria, 0001  
Delpen Building, c/o Annie Botha & Union Streets, Riviera

**From:** Director: Land Use and Soil Management

**Tel:** (012) 319 7634 **Fax:** (012) 329 5938 **e-mail:** [nhlakad@daff.gov.za](mailto:nhlakad@daff.gov.za)

**Aurecon  
PO Box 494  
Cape Town  
8000**

**12 February 2014**

Dear Sir/Madam

This serves as a notice of receipt and confirms that your application has been captured in our electronic AgriLand tracking and management system. It is strongly recommended that you use the on-line AgriLand application facility in future.

Detail of your application as captured:

Type: **Hydropower Station:**

*Your reference number:*

Property Description: **Boegoeberg Dam**

Date: **13 January 2014**

Please use the following reference number in all enquiries:

**AgriLand reference number: 2014\_02\_0053**

Enquiries can be made to the above postal, fax or e-mail address.

Yours sincerely,

**HJ Buys  
pp DIRECTOR: LAND USE AND SOIL MANAGEMENT**

<http://www.agis.agric.za/agriland>

**PROPOSED HYDROPOWER STATION AND ASSOCIATED INFRASTRUCTURE AT BOEGOEBERG DAM ON THE ORANGE RIVER, NEAR GROBLERSHOOP,  
NORTHERN CAPE:  
AVAILABILITY OF THE DRAFT SCOPING REPORT  
DEA Ref: 14/12/16/3/3/2/568; NEAS Ref: DEA/EIA/TBA**

**COMMENTS AND RESPONSE REPORT 1**

*Available in Afrikaans upon request*

This Comments and Response Report reflects the comments submitted during the Draft Scoping Report (DSR) public comment period (from **17 July 2013** until **26 August 2013**). Nine comments were received and are summarised below with the relevant responses. Please refer to **Annexure B** for the detailed comments as received.

**SUBMISSIONS:**

Ref.	Name	Organisation	Date Received	Method
1.	N.J. Toerien	The Department of Agriculture, Land Reform and Rural Development	5 August 2013	Letter
2.	F. Mokoma	Department of Agriculture, Forestry and Fisheries (DAFF)	7 July 2013	Email
3.	Walther van der Westhuizen	Department of Water Affairs (DWA)	22 July 2013	Email
4.	Thebe Olebogeng	Department of Water Affairs (DWA)	19 July 2013	Email
5.	John Geeringh	ESKOM	26 July 2013	Email
6.	Bennie Burger	Plaasboer Bo-Seekoebaard	14 August 2013	Email
7.	Mr. David Schalk Fourie	Plaasboer 307 & 308	25 August 2013	Website
8.	Kathryn Smuts	SAHRA	30 July 2013	Letter
9.	Natasha Wilson	WWF-SA	7 July 2013	Email

**PUBLIC PARTICIPATION PROCESS**

*Comments and Responses*

No.	Name	Issue	Response
1.	<b>N.J. Toerien</b>	– With the development of the abovementioned activities the developer must take care of the following: Article 7.(3)b of Regulation 9238: CONSERVATION OF AGRICULTURE RESOURCES, 1983 (Act 43 of 1983) Utilisation and protection of vleis, marshes, water sponges and water courses 7.(1) " ..... no land user shall utilize the vegetation in a vlei, marsh or water sponge or within the flood area of a water course or within 10 meters horizontally outside such flood area in a manner that causes or may cause the deterioration of or damage to the natural agriculture resources." (3)(b) "cultivate any land on his farm unit within	– Noted. An aquatic ecology assessment will be undertaken by the relevant specialists to determine potential impacts on aquatic resources.

**PROPOSED HYDROPOWER STATION AND ASSOCIATED INFRASTRUCTURE AT BOEGOEBERG DAM ON THE ORANGE RIVER, NEAR GROBLERSHOOP,  
NORTHERN CAPE:  
AVAILABILITY OF THE DRAFT SCOPING REPORT  
DEA Ref: 14/12/16/3/3/2/568; NEAS Ref: DEA/EIA/TBA**

**COMMENTS AND RESPONSE REPORT 1**

*Available in Afrikaans upon request*

<b>PUBLIC PARTICIPATION PROCESS</b>			
<i>Comments and Responses</i>			
No.	Name	Issue	Response
		<p>the flood area of a water course or within 10 meters horizontally outside the flood area of a water course"</p> <ul style="list-style-type: none"> <li>- Take also care of the following: who is the current landowner; will it be a subdivision of land or a lease contract between the developer and the landowner? Rezoning will also be applicable because the land use will change from the current agricultural status.</li> <li>- The Department of Agriculture, Land Reform and Rural Development foresees no problems in the development as mentioned above as long as the developer adheres to the articles of Act 43 of 1983.</li> </ul>	<ul style="list-style-type: none"> <li>- The land will be leased from the owner for the full term of the Independent Power Producers contract. The land would be rezoned from agricultural to special use in a separate LUPO process which shall be initiated by the proponent.</li> <li>- Noted the developer confirms they will adhere to the articles of Act 43 of 1983.</li> </ul>
2.	<b>Francina Mokoma (DAFF)</b>	<ul style="list-style-type: none"> <li>- With reference to the above-mentioned matter this Department wishes to inform you that, the following information is outstanding:</li> <li>- Full EIA report</li> <li>- Layout plan</li> <li>- Title deed</li> <li>- On receipt of the outstanding information the matter will receive further attention.</li> </ul>	<ul style="list-style-type: none"> <li>- Please note that this is the Scoping phase during which I&amp;APs and authorities (such as DAFF) have the opportunity to identify issues and impacts for further investigation. This information is incorporated into a Scoping report, which will guide the scope of the next phase, being the Environmental Impact Assessment where the EIA report is compiled (including the final layout and title deeds) at which time an electronic copy of this report will be submitted for your review and comment.</li> </ul>
3.	<b>Walther van der Westhuizen (DWA)</b>	<ul style="list-style-type: none"> <li>- Mr van der Westhuizen noted the Boegoeberg dam is owned by the DWA and that plans would need to be discussed in detail with both him and Dries Visser as they are responsible for DWA infrastructure and the associated property on which it lies, and ultimately for the approval which would be required.</li> </ul>	<ul style="list-style-type: none"> <li>- Noted. A meeting was held on 8 august 2013 between DWA representatives and the proponent at which the following was discussed: <ul style="list-style-type: none"> <li>• Where this project's works would discharge in relation to the existing Boegoeberg weir and the length of the headrace past the existing weir. It was confirmed that the proposed tailrace would discharge no further than 200m downstream of the Boegoeberg weir and therefore would not be an impediment to the new DWA measuring weir, to be built some 2km downstream</li> </ul> </li> </ul>



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			<p>from the existing weir.</p> <ul style="list-style-type: none"> <li>• The proponent is aware of the current problems resulting from the high silt load being entrained by the weir and they (the proponent) will seek an engineering solution to ensure that their works do not in any way aggravate the current silt problems. This will be reported on in the EIA phase.</li> <li>• The current DWA flow measurement regime at the two weirs (Neusberg &amp; D7H008 – Zeekoebaardt measuring weir) was discussed and it was agreed that BHEP (Boegoeberg Hydro Electric Power) will not be required to install measurement devices for the benefit of DWA, but that they would make plant flow measurement information available to the DWA.</li> <li>• Economic Development was briefly touched on and it was confirmed that this should be similar to that achieved at Neus. Economic Development will be discussed further in the EIR.</li> <li>• From the above it appeared that DWA was satisfied with the proponent’s explanations and comments.</li> </ul>
4.	<b>Thebe Olebogeng (DWA)</b>	<p>– I think there is a need for a public meeting to be held as outlined. Another issue I have raised in similar projects from your company was the advertisement of such a project. It is limiting to say that an Afrikaans and English version was advertised in local media (newspapers), if it was advertised (with an English &amp; Afrikaans clip) in an Afrikaans newspaper. Most English news readers simply do not buy the Afrikaans newspaper. Therefore the English advert never gets to reach the English reader.</p>	<p>– The following activities were undertaken as part of the Boegoeberg Public notification process:</p> <ul style="list-style-type: none"> <li>• At initiation of the public notification the owners of all affected property portions and their neighbours are identified, registered and informed directly via mail, email, sms or fax. For notification of the wider public within the area popular and widely read local and regional publications were identified in which to advertise. In this instance the number of publications is limited due to the remoteness of the site and limited</li> </ul>

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		<ul style="list-style-type: none"> <li>- I therefore request that this project be advertised in the “both” the English and Afrikaans newspapers separately to attract the attention it deserves.</li> <li>- Other forms of media should also be used e.g. local radio stations and newspapers etc.</li> </ul>	<p>surrounding settlements. Furthermore the choice of publication is based on the newspaper distribution in relation to the proposed site where the majority of those interested or affected parties would be found. The public notification guidelines (GUIDELINE ON PUBLIC PARTICIPATION, EIA GUIDELINE AND INFORMATION DOCUMENT SERIES (MARCH 2013)) indicate that where impacts will be localised, as is the case in this project, an advertisement must be placed in the local newspaper circulating in the area where the site and any alternative site is located, as was done. The paper selected was the Volksblad which has the largest distribution in the Free State and Northern Cape. There is no equivalent English local paper. It is felt that this is adequate as the demographics of the Northern Cape show that only 3.4% of the population are English and only 1.1% of the !Kheis municipality have English as a first language being only . Afrikaans is thus the first language of 92.9% of the population (Census 2011).</p> <ul style="list-style-type: none"> <li>• Various other methods are also used to capture English speakers in the area, namely placing notices (English &amp; Afrikaans) on community boards at the library and municipality as well as the entrance to the proposed site.</li> </ul>
		<ul style="list-style-type: none"> <li>- Under “Legal Requirements,” I would like you to include the National Water Act. As application to DWA must be launched with the relevant authority. I am aware that DEA will normally have as a condition in the authorisation that all other legislative requirements must be complied with; however I would like to see this being emphasised from the beginning</li> </ul>	<ul style="list-style-type: none"> <li>- Please note that the detailed legal requirements including the National Water Act, Act No. 36 of 1998 (NWA) are captured in the Draft Scoping Report (DSR). The Applicant has been in on-going discussions with DWA with regard to the abovementioned project and is in the process of applying for the necessary authorisations.</li> </ul>

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		by the applicant.	
		<ul style="list-style-type: none"> <li>- DWA does flow measurements from the Boegoeberg dam structure as well as downstream of the dam to effectively manage the scarce resource. No flow measurements in this precinct should be adversely affected by the “proposed project.” I would therefore request that all designs should be discussed with the “Specialist Design Engineer” from DWA national office Dr. Pieter Wessels as well as any implications on flow measurements directly through my office.</li> </ul>	<ul style="list-style-type: none"> <li>- Dr. Pieter Wessels has been added to the project database and will be informed of the environmental process going forward. In addition the applicant will consult with Dr Wessels on the design engineering of the proposed project. The statement that “No flow measurements in this precinct should be adversely affected by the proposed project” is noted As such any flow measurement implications will be communicated directly through the DWA office, as requested.</li> <li>- Flows through the Boegoeberg Hydro Electric Project will be a maximum of 120m<sup>3</sup>/s. This is less than the capacity of the measuring weir downstream of the Boegoeberg Weir (circa 156m<sup>3</sup>/s), so no impact is envisaged on the ability to measure low flows. The project will record discharge through the turbines and these flows will be provided to DWA as a matter of interest.</li> </ul>

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5.	<b>John Geeringh (ESKOM)</b>	<ul style="list-style-type: none"> <li>– Will the proposed 132kV power line cross the river? How wide is the river at the proposed point of crossing? If the line cross the river, you will have to do a bird impact assessment, and also make sure it is technically feasible to cross the river with the line.</li> </ul>	<ul style="list-style-type: none"> <li>– The proposed transmission line will most likely be a 33kV line (the Scoping Report indicates a maximum of 132kV will be considered) and will cross the river. Andrew Jenkins from Avisense will undertake an avifaunal specialist studies for the lines and mitigations recommended will be in line with Eskom’s requirements, this may include measures such as bird flappers on H-pole structures. The point proposed for the actual crossing, will be approximately 200m in width and it is proposed that on the most appropriate structural technologies would be used to minimise any areas if in the birds’ flight paths. More detailed information will be provided in the EIA phase, including the findings of studies and recommended mitigations.</li> </ul>
6.	<b>Bennie Burger (Plaas Bo- Seekoebaard)</b>	<ul style="list-style-type: none"> <li>– I do not have a problem with the proposed Hydropower plant at Boegoeberg dam but if the water level drops by more than one meter in the dam I will not be able to pump water for my irrigation. The next big problem is that our dirt roads are already in such a bad state that any increase in traffic and especially that of heavy vehicles will make our situation even more desperate. We regularly run up against a wall at the Roads Administration and are forced to take these roads so we can deliver our products to Groblershoop Upington etc. The poor state of the roads, cause for enormous high maintenance costs on our vehicles. I hope these problems will be definitely paid attention to in this project.</li> </ul>	<ul style="list-style-type: none"> <li>– Lowering of water level: In terms of the Water Use Licence Application (WULA) the proponent will not at any time be lowering the water level below that of the crown (“kruin”) height of the weir. Thus, at worst case, all famers using water for irrigation will have full supply through the existing irrigation canal and the top of the weir will show a small flow passing over it before the plant can even begin to draw any water. This will be reflected as such in the WULA.</li> <li>– Access Roads: The increase in traffic during construction will be minimal. The potential impact will however be discussed in the EIA phase. The following trips would be anticipated; <ul style="list-style-type: none"> <li>– <u>Daily</u> <ul style="list-style-type: none"> <li>○ Site Management to and from site in LDV – 3 x LDV x 2 trips (to and from) average = 6 LDV trips per day</li> <li>○ Site staff – Taxis to and from site – 3 Taxis x 2 trips average = 6 taxi trips per day –</li> </ul> </li> </ul> </li> </ul>

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			<ul style="list-style-type: none"> <li>remainder of staff staying on site</li> <li>○ Visitors – 2 trips to and from per week = 0.4 LDV trips per day</li> <li>○ Sub-contractors – let's allow 60% of the above items for them – thus 7.45 trips per day</li> <li>– <u>Irregularly</u> <ul style="list-style-type: none"> <li>○ Cement Trucks – estimated that a total concrete volume will not exceed 3500m<sup>3</sup> = 25000 bags @ 1200 bags per trip = 21 trips over 24 months = &lt; 1 trip per month</li> <li>○ Reinforcing = 400 tons at 30 tons per trip = 13.33 trips = &lt; 0.5 trip per month</li> <li>○ Turbines &amp; generators – 6 Trips to site.</li> </ul> </li> <li>– Further to this a Traffic Impact statement will be included in the Draft EIR confirming that the potential impact on road due to the increase in traffic during the construction phase would be minor.</li> </ul>
7.	<b>Mr. David Schalk Fourie (Plaasboer 307 &amp; 308)</b>	<ul style="list-style-type: none"> <li>– I am the owner of farm 307 and 308 and farm cattle, sheep and goats. The increase in traffic will have a direct impact on the gravel (Koegas / Groblershoop) dirt road between my house and the Boegoeberg dam which is covered with white gravel and with the increase in traffic will cause a thick layer of white / gray dust to settle on everything. The gravel road is not regularly scraped but the farmers try to sustain it by dragging it with a tractor. The road cannot handle the traffic now already. Also to be affected the vegetation along the dirt roads and the camps in which animals graze. We would like to request for road to be established taking into consideration the flora and fauna and the current farming practises.</li> </ul>	<ul style="list-style-type: none"> <li>– Noted. HydroSA has agreed that access control measures will be taken from the entrance off the main road where it would be manned requiring sign in to access the property and would serve as traffic calming zone. Furthermore it was agreed that main road through the farmer's yard is to be tarred and then continue thereafter as gravel. It is also suggested that a speed bump is placed in this section to ensure that vehicular traffic keep to low speeds.</li> </ul>
8	<b>Kathryn Smuts (SAHRA)</b>	<ul style="list-style-type: none"> <li>– In your Draft Scoping Report received by SAHRA, it is indicated that there will be an assessment of the heritage</li> </ul>	<ul style="list-style-type: none"> <li>– Noted. A desktop Paleontological study will be undertaken to assess whether or not the development will impact upon</li> </ul>

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		resources; this should be inclusive of an Archaeological and Paleontological Impact Assessment. The Phase 1 Archaeological Impact Assessment Report that will identify the archaeological sites and assess their significance and make recommendations (as indicated in section 38) about the process to be followed. A Paleontological study must be undertaken to assess whether or not the development will impact upon paleontological resources - or at least a letter of exemption from a Palaeontologist is needed to indicate that this is unnecessary. If the area is deemed sensitive, a full Phase 1 Paleontological Impact Assessment will be required and if necessary a Phase 2 rescue operation might be necessary.	paleontological resource and has been added to the Plan of Study in the FSR.
9.	<b>Natasha Wilson (WWF-SA)</b>	– WWF-SA has no comments regarding this scoping report	– Noted.

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**COMMENTS AND RESPONSE REPORT 2**

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This Comments and Response Report reflects the comments submitted during the Final Scoping Report (FSR) public comment period (from **16 September 2013 till 10 October 2013**). Two comments were received and are summarised below with the relevant responses. Please refer to **Annexure B** for the detailed comments as received.

**SUBMISSIONS:**

Ref.	Name	Organisation	Date Received	Method
1.	N.J. Toerien	The Department of Agriculture, Land Reform and Rural Development	16 October 2013	Letter
2.	Mr. David Schalk Fourie	R 307 & 308	12 October 2013	Email & Website

<b>PUBLIC PARTICIPATION PROCESS</b>			
<i>Comments and Responses</i>			
No.	Name	Issue	Response
1.	<b>N.J. Toerien</b>	<p>Impact on aquatic resources: With the development of the abovementioned activities the developer must take care of the following: Article 7.(3)b of Regulation 9238: CONSERVATION OF AGRICULTURE RESOURCES, 1983 (Act 43 of 1983) Utilisation and protection of vleis, marshes, water sponges and water courses 7.(1) " ..... no land user shall utilize the vegetation in a vlei, marsh or water sponge or within the flood area of a water course or within 10 meters horizontally outside such flood area in a manner that causes or may cause the deterioration of or damage to the natural agriculture resources." (3)(b) "cultivate any land on his farm unit within the flood area of a water course or within 10 meters horizontally outside the flood area of a water course"</p> <p>Landuse issues: Also take care of the following: who is the current landowner; will it be a subdivision of land or a lease contract between the developer and the landowner? Rezoning will also be applicable because the land use will change from the current agricultural status.</p>	<p>– Noted. An aquatic ecology assessment has been undertaken by the relevant specialists to determine potential impacts on aquatic resources.</p> <p>– The land will be leased from the owner for the full term of the Independent Power Producer's contract.</p>

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<b>PUBLIC PARTICIPATION PROCESS</b>			
<i>Comments and Responses</i>			
<b>No.</b>	<b>Name</b>	<b>Issue</b>	<b>Response</b>
		The Department of Agriculture, Land Reform and Rural Development foresees no problems in the development as mentioned above as long as the developer adheres to the articles of Act 43 of 1983.	– Noted: the developer confirms they will adhere to the articles of Act 43 of 1983.
2.	<b>Mr. David Schalk Fourie (Plaasboer 307 &amp; 308)</b>	Impact of increased traffic on roads close to farm: I herewith would like to make it clear that the issue of a tarred road was only a point that was mentioned as an alternative to a dust problem and wasn't agreed upon as a definite. The day that it was mentioned we were told that it was only supposed to be an introduction of people involved with the project. No one actually had a meeting with us to discuss the issue because now that the facts are on the table of how many vehicles will be travelling per day in front of our house, it isn't just the dust but traffic that is alarming. The option to re-route the road behind the house is actually the better option.	– The proponent has indicated their willingness to engage with Mr Fourie and has requested that a sketch be provided of the preferred route.
		No further discussion of how the security and access control are going to be handled has been done.	– It is agreed that access control has not been finalised. This will be addressed as an issue and the proponent would welcome suggestions solutions from Mr Fourie.
		How will speed bumps solve the problem with our livestock?	– Speedbumps are used to calm the traffic and reduce the speed of vehicles on the road, which in turn would mean that risk to the livestock would be further reduced.
		The point that was mentioned that the traffic on our main road will not have an effect on the condition of the road must be reconsidered. If the road can't handle the traffic now surely the road would deteriorate so much faster with more and heavier traffic.	– The main arterial road is a road administered and maintained by Northern Cape Provincial Roads Department and therefore is ultimately their responsibility. Furthermore private entities are not permitted (for obvious reasons like safety among other) to alter, maintain or work on such an asset as this is a function of the provincial roads department.



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**COMMENTS AND RESPONSE REPORT 3**

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This Comments and Response Report (CRR) reflects the comments submitted during the Draft Environmental Impact Assessment Report (DEIR) public comment period from **2 December 2013 till 29 January 2014**. The CRR has been divided into two parts to capture and respond to all concerns raised during the DEIR review phase.

**Responses to written comment received**

Six comments were received and are summarised below with the relevant responses. Please refer to **Annexure B** for the detailed comments as received.

**Responses to comments in the Focus Group Meetings and the Public Information Session**

The second part of the CRR captures comments raised at the Focus Group Meetings and Public Information Session held on **10 February 2013**. Some of the issues were addressed at the meetings and other responses have been provided as part of this CCR.

## **Responses to written comments received**

**SUBMISSIONS:**

Ref.	Name	Organisation	Date Received	Method
1.	Jenna Lavin	South African Heritage Resources Agency (SAHRA)	15 January 2014	Email
2.	René de Kock	South African National Roads Agency (SANRAL)	21 January 2014	Email
3.	Noma Quase	Department of Energy (DOE)	2 February 2014	Letter
4.	HJ Buys	Department of Agriculture, Forestry and Fisheries(DAFF)	13 January 2014	Letter
5.	Lizell Stroh	South African Civil Aviation Authority	2 February 2014	Email
6.	Andre Geldenhuys	Rugbreek Boerdery	21 February 2014	Email
7.	Lourens Fourie	Trans Boegoeberg Kamp/ occupier of the land	21 August 2013 <sup>1</sup>	Email
8.	Lourens Fourie	Trans Boegoeberg Kamp/ occupier of the land	6 March 2014	Email

<sup>1</sup> This comment was not included in earlier an CCR, as there was confusion as to whether the comments from Mr Fourie were meant for the public EIA process. As it has now been ascertained that this was the intention, we have included the comments in this CCR.

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<b>PUBLIC PARTICIPATION PROCESS</b>			
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<b>No.</b>	<b>Name</b>	<b>Issue</b>	<b>Response</b>
1	<b>Jenna Lavin SAHRA</b>	<p>SAHRA has no objection to the proposed development based on the information provided in the above reports on condition that;</p> <ul style="list-style-type: none"> <li>- The gravestone and stone cairn (ZKB2013/003 and ZKB2013/002) must not be impacted by development activities. These sites must be clearly demarcated and carefully avoided.</li> <li>- Excavation of the silts below the weir must be carefully monitored for additional burials by the ECO.</li> <li>- The graveyard at ZKB2013/004 must be fenced and a 20m buffer zone of no development must be imposed.</li> <li>- A Conservation Management Plan must be adopted for the continued management and conservation of this site.</li> <li>- The stone structures at BDW2013/001 must be avoided during construction and may not be impacted by the proposed development of the hydropower station or the transmission lines. This will require the careful placement of pylons. A permit in terms of Section 35 of the NHRA is required from SAHRA should any of these structures be disturbed.</li> <li>- The archaeological site identified at ZKB2013/001 requires archaeological mitigation (Phase 2) in the form of detailed documentation, including mapping and sampling. This must occur prior to construction activities. This mitigation will require a permit from SAHRA in terms of Section 35 of the NHRA.</li> <li>- Should any evidence of archaeological sites or remains (e.g., remnants of stone-made structures, indigenous ceramics, bones, stone artefacts, ostrich eggshell fragments, marine shell and charcoal/ash concentrations), unmarked human burials, fossils or other categories of heritage resources are found during the proposed activities, SAHRA APM Unit (Jenna Lavin/Colette Scheermeyer 021 462 4502) must be alerted immediately, and a professional archaeologist or palaeontologist, depending on the nature of the finds, must be contacted as soon as possible to inspect the findings. If the newly discovered heritage resources prove to be of archaeological or palaeontological significance a Phase 2 rescue operation might be necessary.</li> </ul>	<p>- Noted. Conditions are captured in the EMPr (refer to Appendix E of the FEIR). Should any permits be required from SAHRA in terms of Section 35 of the NHRA, application would be made.</p>

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<b>No.</b>	<b>Name</b>	<b>Issue</b>	<b>Response</b>
2	<b>René de Kock SANRAL</b>	The South African National Roads Agency SOC Limited (SANRAL) has no comment, seeing that the national road will not be affected.	Noted
3	<b>Noma Quase DoE</b>	We have gone through the report and wish to inform Aurecon that we are satisfied with the report. We wish you all the best in conducting the EIA study to secure a positive Environmental Authorisation from the Department of Environmental Affairs.	Noted
4	<b>HJ Buys DAFF</b>	This serves as a notice of receipt and confirms that your application has been captured in our electronic AgriLand tracking and management system. It is strongly recommended that you use the on-line AgriLand application facility in future. Detail of your application as captured: Type: <b>Hydropower Station:</b> Your reference number: Property Description: <b>Boegoeberg Dam</b> Date: <b>13 January 2014</b> Please use the following reference number in all enquiries: <b>AgriLand reference number: 2014_02_0053</b>	Noted
5	<b>Lizell Stroh South African Civil Aviation Authority</b>	There is a CAA process whereby permission is applied for wrt obstacles which could pose an aviation hazard. More information can be obtained at <a href="http://www.caa.co.za">http://www.caa.co.za</a> . Click on 'Obstacles' on the LHS. • Kindly provide a <b>.kml (Google Earth) file reflecting the footprint of the proposed development site including the proposed overhead electric power line route that will evacuate the generated power to the national grid.</b> Also indicate the <b>highest</b> structure of the project & the overhead electric power transmission line.	Emails replying to this request were forwarded on 4 February and 4 March 2014 providing height details and the relevant kml of the hydropower facility and associated infrastructure, including the transmission line routing.
6	<b>Andre Geldenhuis Rugbreek Boerdery</b>	Attached is the letter of attorney by which the lease of Lourens Fourie Elzahn Transboegoe bordering the reserve of the resort is terminated. He now claims he had a verbal agreement but it is totally untrue.	Noted. The contract letter is incorporated into comments received in Annexure B.

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7	<b>Lourens Fourie Trans Boegoeberg Kamp/ occupier of the land</b>	<p>1. It is very disappointing to me that I was only notified on the 10th June 2013 by my sister, Susarie Geldenhuys, about the proposed project to develop a Hydro Power Station on farm Onderseekeobaard no 306, near Groblershoop in the Northern Cape. I'm directly affected as a stakeholder in the project. I initiated the development of a campsite, fishing area as well as a 4x4 trail on the land directly adjacent to the dam wall. In effect this means that the land around the dam wall is already being utilised as a tourism destination.</p> <p>2. During a visit to my father, who is in an advanced state of Alzheimer's, my sister informed me that Aurecon had conducted a site visit pertaining to the possible development of a hydroelectric power generation facility.</p>	<p>1. The initiation of the public participation process for the aforementioned project only began on the 15th of July 2013 when landowners and the wider public were notified through various media as required by NEMA. The process provides opportunity at various stages to address all interested and affected parties (I&amp;AP) concerns. You have been registered as an I&amp;AP and have been forwarded all project information available at this phase of the process and will continue to do so moving forward.</p> <p>2. Aurecon has been appointed to undertake the required environmental authorisation process on HydroSA's behalf. Aurecon's role is to assess the impacts associated with the proposed Hydropower station on the biophysical and the socioeconomic environments. As such we are independent of business negotiations with landowners which are undertaken by HydroSA and as such falls outside of our mandate and scope of work.</p>

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		<p>3. I am the occupier and developer of the land around the lake and I have a lapa, a house I permanently inhabit, and ablution facilities built on this land at my own expense. Mr. Neil Theron was with Mr. Peet Stuwig of Eskom at the pool in December 2012. During this visit, Mr. Peet Struwig asked me who owned the land and I told him that the land was still my father's, Hendrik Lourens Fourie (born 8 November 1929). Mr. Niel Theron also visited me, but I did not have a chance to ask him about the project, because my sister intervened. (Here I came to the impression that the information was being withheld from me, for reasons unclear to me). I therefore ask you to look at the land in Figure 6 of the Boegoeberg Hydropower Station Draft Scoping Report. It indicates state land, but that the grounds around it are Rem part 2 of farm Zeekoebaard no 306, belonging to my father, Mr. HL Fourie (Sr.), born 8 November 1929. The facts should read part 1 of farm Onderseekoebaard no. 306 ONLY belongs to Mr HL Fourie Snr., Portion 2 of the farm belongs to Mr AJ Geldenhuys and Mrs SM Geldenhuys and part 3 of farm belongs to Mr AJ Geldenhuys and Mrs SM Geldenhuys.</p> <p>I want to bring to your attention that my Father is non compis mentis and that there is currently an application in the High Court, Kimberley for the appointment of a curator bonis for him. Note: So my sister, SM Geldenhuys has no authority over the land. Proc Poen Bergh does not have the right to take over my father's land decisions. Moolah Berg is currently SM Geldenhuys' attorney only. My father is also the sole owner of the land and the land only conveyed in deed in his name in 1969.</p> <p>4. I would be greatly appreciated if in future I am, as occupier and interested and directly affected party, notified of any visits and meetings, to allow me further insight into the project.</p>	<p>3. To the best knowledge of the proponent and EAP, based on the current understanding at the time of undertaking the EIA and drafting this Final EIR, the information on landownership is correct.</p> <p>Comments relating to property deeds and rightful ownership of the affected properties should be directed via BBM Attorneys (Poen Bergh poen@bbmupington.co.za, 083 399 0555) as these again fall outside of the scope of the EIA process. We however do note that that you have rights as an I&amp;AP and cognisance is taken of these rights to raise relevant concerns and comment on the project.</p> <p>4. Aurecon and its associated subcontractors shall contact you in order to access the property. Information on the project will pass through official EIA reporting channel where all I&amp;APs are informed at the same time. All relevant concerns and issues you raise regarding the project will be responded to as part of the EIA process.</p>

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		<p>5. There are some worrying questions I personally want to ask Mr. Neil Theron , so that I can have peace of mind. I will meet at a suitable time and place.</p> <p>6. This project touches me personally and financially - seriously in the form of my home, a business that I have built since 2002 (with my father's permission), children in school and a child study. I a 47 year old man. I cannot be uprooted. This affects my whole future and I will lose income until retirement age. So it is vital that information is provided directly to me.</p> <p>7. In order to enable me to set up a meaningful comment on the proposed Hydro Power Station project, it is necessary for me to completely understand what the construction process will involve and what the normal operation of the hydro power plant will involve, e.g. how the flow of the river will be affected; will water flow over and impact the ground where I live and the campsite. Will the power station's operation pollute the river, will the power station affect the flow of the river and the fish life of the dam. Will there be a noise impact? I run a rural campsite. When you intend to start with the construction etc. I need this information urgently so that I can make comment that I can complete statement setting. I further require that all comments that I submit will go to the Department of Environment and Water Affairs, which includes this letter.</p>	<p>5. Mr Theron is aware of your request and is waiting on the relevant legal arbitration to take its course on the matter of property rights prior to engaging with you at this time.</p> <p>6. As a registered I&amp;AP all information regarding this project will be provided though out the process. We understand the gravity of the implications of the project on your personal and financial position but at this stage require legal grounds on occupation rights which need clarification.</p> <p>7. The impacts from the construction and operation of the proposed Hydropower station will be studied in greater detail and will be undertaken as part of the EIA process by the relevant specialists and these results will be provided in the EIA reporting. Your comments along with the response as contained in the Comments and Responses Report (CRR) shall be submitted to the respective decision making authority namely the Department Environment Affairs.</p>

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		<p>8. I suggest you stop this process. I oppose the construction of the said station - it should not be built.</p> <p>9. I would greatly appreciate if you answer me back in Afrikaans and any letters sent in my language.</p>	<p>8. Your opposition is noted, however the process will go ahead and the relevant impacts will be assessed and reported along with all comments raised, whereon the Department Environment Affairs will be provided with this information in order to make an informed decision on whether or not environmental authorisation should be granted.</p> <p>9. Please note correspondence directed to you will be Afrikaans per your request.</p>
7	<b>Lourens Fourie Trans Boegoeberg Kamp/ occupier of the land</b>	<p>1. The power line is unsightly tourism, how are you addressing this?</p>	<p>1. The transmission line has been routed behind the koppie away from the riverine area for ecological reasons. This also reduces the visual sensitivity of the transmission line by locating it away from the areas close to the dam, which is where most of the tourism activities occur, especially those that keep people in the area for periods of time (such as fishing, swimming and boating). The current routing of the transmission line is such that the line will not be visible from the camp site areas along the river for most of the route close to the weir.</p>

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		2. Buchu shrub is native to our region and is abundant on the hill where the proposed tunnel will be, where will this rare shrub be relocated?	2. The Botanical Specialist responded that “the vegetation on the koppie above the dam is not unique. <i>Croton gratissimus</i> (boegoe) is found widely distributed throughout Southern Africa. With respect to rehabilitation, there is a strong likelihood that the disturbance will favour the growth of <i>Vachellia</i> ( <i>Acacia</i> ) <i>mellifera</i> var. <i>detinens</i> (swarthaak). Grasses will also colonise the disturbed area. After construction, the construction area should be 'de-compacted' and seed from locally occurring species collected and spread on the area. This would enhance restoration. “
		3. What will the construction phase impact be on the tourism for Trans Boegoe Camp who will be disadvantaged?	3. To the best knowledge of the proponent and EAP, based on the current understanding at the time of undertaking the EIA and drafting this Final EIR, the information on landownership is correct. The landowner has disputed the right of the Trans Boegoe Camp at its current location and, as such based on the current understanding at the time of undertaking the EIA and drafting this Final EIR, the campsite to the north of the river, close to the site (Trans Boegoe) is no longer operational.



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		4. The trees at the Trans Boegoe Camp are all about 100 years old, how will the construction affect these trees and how will it be done?	4. The Botanical Specialist responded that the trees on the banks area are likely to be 100 years old or more. Some of the trees would need to be removed. It would not be possible to uproot them and replant them. The trees are mainly <i>Searsia pendulina</i> , a relatively fast-growing tree that can be replaced by planting young saplings post-construction. The impact is not considered to be significant from a botanical perspective.
		5. With all the large equipment (vehicles, etc.) what influence would it have on tourism at Trans Boegoe?	5. To the best knowledge of the proponent and EAP, based on the current understanding at the time of undertaking the EIA and drafting this Final EIR, the information on landownership is correct. The landowner has disputed the right of the Trans Boegoe Camp at its current location and as such, it is our understanding that the tourism operations will no longer take place at this site. We were also informed that there is an eviction order for the current occupier of the land and, as such, this impact has not been addressed. However, infrastructure is located around the house and access roads, which will remain.
		6. What about the noise and dust and its effect on tourism at Trans Boegoe?	6. As above

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		7. What affect will the planned fence on the channel to keep people and animals out have on the tourism (fishing and campers) and how will it addressed?	7. As above
		8. My home is where the construction will take place, where will I live if the pipeline goes through my home?	8. As above
		9. I have a business in the form of a camp with 4x4 trail. It is my source of income and so will it be seriously affected financially, how will this point be handled	9. As above
		10. I have three young children and a wife who depend on this income and my business.	10.
		The above is discussed at the meeting, but there are still concerns that I want to address : 11. Who has given permission for the power line to the sub - station with such a wide detour to Susarie Ms Geldenhuys's home, while there is shorter path over the river? The power line will be unsightly, especially in consideration that part of the property we occupy is for tourism. All guests come to enjoy unspoiled scenery, but the construction of a power line right in sight of the guests will ensure a negative impact on the business have camping. The above is particularly relevant as there is an alternative route directly across the river from the hydroelectric power station, below the dam wall and out of sight of the campers. But by this we do not approve the construction of the power plant as the construction of the stations and channels etc, we will effectively destroy the camp and 4x4 business.	11. To the best knowledge of the proponent and EAP, based on the current understanding at the time of undertaking the EIA and drafting this Final EIR, the information on landownership is correct.  The transmission line routing was informed by the recommendations from the botanical specialist, who recommended avoidance of the sensitive riverine vegetation.
		12. I oppose the proposed construction camp right on my campsite - it will be a DEFFINITE negative impact on tourism and believe it will effectively destroy our business. In this regard, I can already confirm that one of our regular campers, Mr. Angelo Da Silva, will not come as he feels it would be unsafe with the construction workers.	13. To the best knowledge of the proponent and EAP, based on the current understanding at the time of undertaking the EIA and drafting this Final EIR, the information on landownership is correct.  The landowner has disputed the right of the Trans Boegoe Camp at its current location and as such, it is our understanding that the tourism operations will no longer take place at

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			this site. We were also informed that there is an eviction order for the current occupier of the land and, as such, this impact has not been addressed. However, infrastructure is located around the house and access roads, which will remain.
14.		Ms Geldenhuys Susara Marthina is not the owner of the residual part of Onderseekoebaard No. 306, as implied in the Aurecon Scoping Report no. She deceived Aurecon, Hydro SA and the public. Her only claim is to part 2, where she was not the first owner, but her husband, Mr AJ Geldenhuys In part 3, she and her husband are the owners. You were also fooled with the title deed T64217/2011- there is not such a deed registered in this regard we requested our attorneys to track it down, but nothing was found. I would be extremely surprised if you prove the permission for such a transfer was granted, as my father, the owner of 306 rem, is not competent to give permission. He has Alzheimer's and from 2006, he was unable to deal with his own affairs. There is also a pending case 348/2013 to Supreme Court - Kimberly administered by Mr. MAF Kruger to prove the application for a curator ad litem concerned. During the meeting held at Boegoeberg Community Hall, where you Mr Johnston was present, Mrs. Susarie Geldenhuys stated that we did not have permission to be on the property and rights to the tourism business. With reference to permissions to our tourism business, at a meeting with Mrs SM Fourie on 10 September 2013 in Upington along with our counsel, Mrs. Alme Stanton - Curator ad litem for my Dad she personally told me at the meeting, there is still consent for Trans Boegoe to operate. My sister's public statement on the issue that I did not pay rent and the land was repossessed, is wholly misleading. We occupy the property in terms of agreement from 2004 with Mr. HL Fourie (SNR) and occupy our property lawfully and operate the tourism business lawfully.	15. To the best knowledge of the proponent and EAP, based on the current understanding at the time of undertaking the EIA and drafting this Final EIR, the information on landownership is correct.
16.		No person, including Susarie Geldenhuys and Mrs SM Fourie is entitled to use our residence or the land. These include Aurecon or their client (Hydro SA). I would also like to bring to your attention that negotiations be directed at me for the	17. To the best knowledge of the proponent and EAP, based on the current understanding at the time of

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		<p>construction of the power station and everything that goes with it and not my sister Susarie - she has no claim to this part of the farm and no say in our residence and our tourism business. What is extremely important is at this stage to put on record that neither yourself nor Aurecon nor Hydro SA, or any other entity or person has contacted us at any time to discuss with us what the impacts of the power station would have on our home and our business. It is important in this regard also to put on record that Hydro and Aurecon SA (for reasons unknown to us) prefer regarding all matters that concern, with Mrs. Susarie Geldenhuys, who has no say regarding our affairs. She's not our agent, we require that Hydro and Aurecon SA will approach us directly and only discuss our concerns. We further place on record that in the light of the aforesaid, HydroSA and Aurecon simply do not ignore the impacts of power plant on our business. We confirm and place on record that none of the impacts, the mitigation thereof, etc., have been discussed with us, which are now critical. If this continues and if Hydro SA or any other entity proceeds with construction, we will ensure that because of a lack of a consultation in the process a necessary urgent interdict to an appropriate court will be requested to thwart the activities pending consultation and an agreement (if possible) on all the aspects that we are concerned about.</p>	<p>undertaking the EIA and drafting this Final EIR, the information on landownership is correct.</p>

Please refer to **Annexure B** for the detailed comments as received.

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## **Responses to comments as part of the Focus Group Meetings and Public Information Session**

Ref.	Name	Organisation	Date Received	Method
1.	Pieter Kotze	Chairman BWUA	10 February 2014	Meeting
2.	Andre Kruger	Afriforum & Boegoeberg Boere Vereeniging	10 February 2014	Meeting
3.	Elzahn Fourie	Trans Boegoeberg Kamp/ occupier of the land	10 February 2014	Meeting
4.	Gert Hesselman	BWUA	10 February 2014	Meeting
5.	Teresa Scheepers	!Kheis Municipal Manager	10 February 2014	Meeting
6.	D Mothusi Guy	Peer Africa	10 February 2014	Meeting
7.	Koos Esaic	BWUA	10 February 2014	Meeting
8.	Wilco Fourie	Groblershoop Boere Vereeniging & Oranjerivier Landbou Unie	10 February 2014	Meeting
9.	Joseph Silo	ANC Chairperson	10 February 2014	Meeting
10.	David Fourie	Landowner in area	10 February 2014	Meeting
11.	Susarie Geldenhuys	Landowner in area	10 February 2014	Meeting

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No.	Name	Issue	Response
1	<b>Pieter Kotze (Chairman BWUA)</b>	<ol style="list-style-type: none"> <li>1. Stated that road conditions would deteriorate due to increased use by construction vehicles and wished to know how it was planned to maintain the roads to the current status, or better.</li> <li>2. Asked how closing the sluices in the dam would impact on fish migration from upstream to downstream.</li> <li>3. Asked what happens in the case of floods.</li> <li>4. Stated that none of the BWUA were notified of the proposed project and that they should have been the first ones notified.</li> </ol>	<ol style="list-style-type: none"> <li>1. The provincial road is a provincial authority responsibility. The proponent will urge the authority to undertake the necessary maintenance given that there will be a construction site.</li> <li>2. The Aquatic specialist responded that fish mostly migrate upstream; Boegoeberg dam prevents this, but that eggs and small fish would either pass through the turbines or over the weir in high flow events. The Aquatic specialist indicated that this is not regarded as a significant negative impact.</li> <li>3. The power station is designed to withstand up to 1:1000 year floods.</li> <li>4. BWUA have been registered and communication lines have been established in order to address concerns.</li> </ol>

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		<p>5. Stated that many of the BWUA committee could not make the meeting as they were busy with harvesting and that Boegoeberg Hall was a long way for everyone to come to. PK requested that another meeting be held at a more convenient place, i.e. the Agricultural co-op 80 km away, to allow for everyone to attend.</p> <p>6. Stated that the minutes from the meeting held with BWUA, DWA and HydroSA from 8 August 2013 were never distributed.</p> <p>7. Asked for a detailed explanation of how dredging would be undertaken. He stated that they did not know how it would work and he believed it would not work. Based on this, he stated that the operating sluices that currently scour sediment must remain open.</p> <p>8. Stated that sluices currently scour at 30 m/s and wanted to know how much sediment would be formed if the sluice gates were closed. He requested a study be done. Further to this, he wanted a test to be conducted to see the effect of lowering the level of water on the dam wall by 750 mm of its capacity and then draw back once full to show the change in flow to the agricultural canal. Also wants to know the flow in the canal. He emphasised his concern regarding dredging operations. He further stated that the BWUA would not allow the sluices to be closed until the effectiveness of the proposed dredging operations could be proved, along with the electronic gauging systems. It was emphasised that they wish to be informed about the project consistently. The BWUA needed proof that all proposed systems would work, and would be implemented and that he stated they would not let the EIA go through until then.</p>	<p>5. Meetings with the BWUA committee will be planned at a convenient location in the future.</p> <p>6. HydroSA stated they would follow up with the DWA representative to whom the minutes were provided as to why they were not distributed and assured the BWUA that they will receive a copy.</p> <p>7. Currently busy with a Sediment Study which would contain the methodology and which would dictate the pump that would be used. This would be provided to BWUA. The sediment sample results would also have to be sent to DWA and DEA, who would have to confirm whether it would be acceptable to dredge.</p> <p>8. Hydro SA has agreed with the BWUA that the guarantees they require will be provided via the Water Use License (WUL), given that the Environmental Authorisation will be conditional on a WUL. This applies to water use, dredging, and damage to existing infrastructure which needs to be approved by DWA as it is their infrastructure. This would include the procuring of an independent engineer to provide a dilapidation certificate and the monitoring of works against what the certificate states (in particular, as related to blasting).</p>

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<b>No.</b>	<b>Name</b>	<b>Issue</b>	<b>Response</b>
		<p>9. Stated the BWUA wants proof that dredging will work and that there is a fail-safe system that moves the sand from in front of the sluice.</p> <p>10. Stated that road conditions would deteriorate due to increased use by construction vehicles and wished to know how it was planned to maintain the roads to the current status, or better.</p>	<p>9. Periodic maintenance of the BWUA's intake would be done and the maintenance crew would be available to help to maintain the canal's inlets and ensure these are cleaned.</p> <p>10. The provincial roads authority is responsible; all the proponent can do is urge the authority to undertake the necessary maintenance given that there will be a construction site.</p>
2	<b>Andre Kruger &amp; Afriforum Boegoeberg Boere Vereeniging</b>	<p>11. Asked what the impact of the magnetic effect of the transmission line would be on the aquatic ecology where it crosses.</p> <p>12. Stated that there are many fish eagles that have been sighted in the area and wanted to know the direct impact on them.</p> <p>13. Questioned how much sand would pass through the turbines and be deposited at the tailrace.</p> <p>14. Asked where the debris materials would then be dumped once removed from trash racks.</p> <p>15. Stated that Mr Fourie of TransBoegoe 4x4 camp occupied the land and indicated that the stated owner of the land was incorrect in the EIA documentation.</p>	<p>11. The Aquatic specialist responded that there is no current evidence to support that an impact would occur on aquatic resources.</p> <p>12. The Avifaunal specialist responded to confirm that the potential impacts on the African Fish Eagle had been assessed in the Avifaunal report.</p> <p>13. Existing sediment particles will still be suspended in the water that passes through the turbines, these will then flow through to the tailrace and re-enter the Orange River downstream. If during the operation of the project sediment builds up in the tailrace, such that it affects power generation, then maintenance activities will remove this when required.</p> <p>14. A Waste Management Plan is included in the EMP, which details how debris would be disposed (at a licenced facility).</p> <p>15. Based on the current understanding at the time of undertaking the EIA and drafting this Final EIR, the landowner is as presented in this documentation.</p>

**PROPOSED HYDROPOWER STATION AND ASSOCIATED INFRASTRUCTURE AT BOEGOEBOEG DAM ON THE ORANGE RIVER, NEAR GROBLERSHOOP,  
NORTHERN CAPE:**

DEA Ref: 14/12/16/3/3/2/568; NEAS Ref: DEA/EIA/TBA

**COMMENTS AND RESPONSE REPORT 3**

*Available in Afrikaans upon request*

<b>PUBLIC PARTICIPATION PROCESS</b>			
<i>Comments and Responses</i>			
<b>No.</b>	<b>Name</b>	<b>Issue</b>	<b>Response</b>
		16. Asked what would be the impact on tourism from the visual impact.	16. Given the location of the site close to the existing weir, but partially screened from direct view by the weir and riverine vegetation (in time) , as well as the limited number of visual receptors and the current transformed visual landscape, the long term visual impact on tourism on the dam is not predicted to be significant. The construction phase impact is predicted to be higher but this is restricted to a defined period.
		17. Asked if the water would still flow over the weir	17. Correct and when flows were below a certain point, especially when water did not flow over the crest, the power station would not generate power, according to the current energy model.
		18. Asked how storm water would be managed from heavy rains	18. A storm water management plan has been formulated and will be implemented.
		19. Asked what the construction period is expected to be.	19. 24 months to construct but once operational would be an unattended plant and would only require low maintenance to clean the trash racks and check alarms.
		20. Asked who does this maintenance.	20. Maintenance on the plant would be undertaken by HydroSA and Eskom would maintain the transmission component.
		21. Stated that Mr Fourie of TransBoegoe 4x4 camp occupied the land and indicated that the stated owner of the land was incorrect in the EIA documentation.	21. The legal landowner has disputed the right of the Trans Boegoe Camp at its current location and, as such, it is our understanding the tourism operations will no longer take place at this site. We were also informed that there is an eviction order for the current occupier of the land and, as such, this impact has not been addressed. However, infrastructure is located around the house and access roads, which will remain.



**PROPOSED HYDROPOWER STATION AND ASSOCIATED INFRASTRUCTURE AT BOEGOEBOEG DAM ON THE ORANGE RIVER, NEAR GROBLERSHOOP,  
NORTHERN CAPE:**

DEA Ref: 14/12/16/3/3/2/568; NEAS Ref: DEA/EIA/TBA

**COMMENTS AND RESPONSE REPORT 3**

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<i>Comments and Responses</i>			
<b>No.</b>	<b>Name</b>	<b>Issue</b>	<b>Response</b>
		<p>22. Asked what would be the impact on tourism from the visual impact.</p> <p>23. Requested that guarantees be provided in writing that the developer undertake maintenance to access roads due to the increase in traffic.</p>	<p>22. Given the location of the site close to the existing weir, but partially screened from direct view by the weir and riverine vegetation (in time) , as well as the limited number of visual receptors and the current transformed visual landscape, the long term visual impact on tourism on the dam is not predicted to be significant. The construction phase impact is predicted to be higher but this is restricted to a defined period. Activities on the dam would only be restricted within a small area close to the intake structure.</p> <p>23. It is the provincial authority's responsibility to maintain roads and the proponent will urge that they do so, based on the construction activities to be undertaken.</p>
3	<b>Elzahn Fourie Trans Boegoeberg Kamp/ occupier of the land</b>	<p>24. Stated that Boegoe vegetation was unique and only grew on this koppie and asked what rehabilitation would be undertaken.</p> <p>25. Stated that the trees on the banks which would be removed for the offtake structure were 100 years old and asked how they would be removed.</p>	<p>24. The Botanical Specialist responded that the vegetation on the koppie above the dam is not unique, <i>Croton gratissimus</i> (boegoe) is found widely distributed throughout Southern Africa. With respect to rehabilitation, there is a strong likelihood that the disturbance will favour the growth of <i>Vachellia</i> (Acacia) <i>mellifera</i> var. <i>detinens</i> (swarthaak). Grasses will also colonise the disturbed area. After construction, the construction area should be 'de-compacted' and seed from locally occurring species collected and spread on the area. This would enhance restoration. A Rehabilitation Plan is included as part of the EMPr to address this aspect.</p> <p>25. The Botanical specialist responded that the trees on the banks area are 100 years old or more. Some of these trees would be removed by cutting them down and removing the cut vegetation. It would not be possible to uproot them and replant them. The trees are mainly <i>Searsia pendulina</i>, a relatively fast-growing tree that can be replaced by planting young saplings post-construction.</p>

**PROPOSED HYDROPOWER STATION AND ASSOCIATED INFRASTRUCTURE AT BOEGOEBERG DAM ON THE ORANGE RIVER, NEAR GROBLERSHOOP,  
NORTHERN CAPE:**

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**COMMENTS AND RESPONSE REPORT 3**

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<i>Comments and Responses</i>			
<b>No.</b>	<b>Name</b>	<b>Issue</b>	<b>Response</b>
		26. Asked what the impact would be on their tourism as many people fish and camp where the proposed construction of the offtake, canal and fences are proposed to be located.	26. Given the location of the site close to the existing weir, but partially screened from direct view by the weir and riverine vegetation (in time), as well as the limited number of visual receptors and the current transformed visual landscape, the long term visual impact on tourism on the dam is not predicted to be significant. The construction phase impact is predicted to be higher but this is restricted to a defined period. Activities on the dam would only be restricted within a small area close to the intake structure.
		27. Wanted to know the impact on them as their house would be lost to the construction.	27. Based on the current understanding at the time of undertaking the EIA and drafting this Final EIR, the campsite to the north of the river, this is an internal family dispute and the negotiations with the landowner have been rightfully undertaken.
		28. Stated they were never notified of the EIA.	28. Aurecon received comment from Elzahn and Mnr HL Fourie of Trans Boegoeberg Kamp during the DSR phase, and they were registered on the I&AP database. Proof of all subsequent notifications is included in Annexure B.
		29. Asked where the construction workers would be housed.	29. The construction camp for the proposed housing is indicated in <b>Figure 24</b> of the FEIR.
4	<b>Gert Hesselman BWUA</b>	30. Stated that the dam and sluices are very old and asked for guarantees that the construction activities and new infrastructure would not affect the structural integrity of the dam.	30. An independent engineer will provide a dilapidation certificate. The works will be monitored against the certificate (in particular, lasting) with reporting to DWA as the dam is their infrastructure.
5	<b>Teresa Scheepers (!Kheis Municipal Manager)</b>	31. Stated that most of the jobs were civil intensive and asked how many jobs would be created and for what period.	31. It is difficult to determine at this point until surveys are completed but it was anticipated that a minimum of 30 people would be required on initiation.
		32. Requested an overview of the type of skills training they should be providing to the community to ensure they would be ready for the future development.	32. Those students who showed good maths and science acumen could shadow the project engineers.

**PROPOSED HYDROPOWER STATION AND ASSOCIATED INFRASTRUCTURE AT BOEGOEBERG DAM ON THE ORANGE RIVER, NEAR GROBLERSHOOP,  
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DEA Ref: 14/12/16/3/3/2/568; NEAS Ref: DEA/EIA/TBA

**COMMENTS AND RESPONSE REPORT 3**

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<b>No.</b>	<b>Name</b>	<b>Issue</b>	<b>Response</b>
		<p>33. Stated the municipality wanted to provide the relevant skills training and they need to undertake this proactively to be ready in the next 18 months.</p> <p>34. Stated that primary health care was their main concern from the influx of external labour.</p> <p>35. Asked if flooding has been taken into account.</p> <p>36. Asked how much power would be generated.</p> <p>37. Asked whether they would be applying for carbon credits.</p> <p>38. Asked if the municipality could apply for these credits.</p>	<p>33. HydroSA stated that they are looking for star pupils for roles in health and safety, electrical works, etc.</p> <p>34. A plan would be drafted to manage social issues associated with the development. It was further stated that a community fund as part of the IPP contract is required and that they would work closely with the municipality on how to create opportunities for the community where the funds could go to providing clinics, schools, etc.</p> <p>35. The plant is designed to withstand a 1 in 1000 year flood and the turbines are switched off during this time i.e. the entire facility is shut down</p> <p>36. 11 MW would be generated which would supply approximately 5000 households every year, which is equivalent to a 75 MW solar plant as it was baseload.</p> <p>37. No, as it was not how they financed their projects and it was a rather complex process.</p> <p>38. To discuss this possibility with the municipality but would be outside of the EIA process.</p>
6	<b>D Mothusi Guy (Peer Africa)</b>	<p>39. DMG asked about Eskom's role in the project.</p> <p>40. DMG asked if the land for the transmission line is privately owned.</p>	<p>39. Eskom's role is only for grid access and the IPP are paid from the national treasury directly.</p> <p>40. Correct.</p>
7	<b>Koos Esaic (BWUA)</b>	<p>41. Asked what flows the hydropower facility requires to operate.</p>	<p>41. The facility was designed for a flow rate of 120m/s but that the flow rates changed through the seasons and that each of the two proposed turbines would require half of the design flow i.e. 60m/s. The turbines could start operating at 40% of the design flow requirements, similar to that of the Neus hydroelectric project. Neus was designed with three turbines and each turbine could start at approximately 12m/s. Boegoeberg would require slightly more as it would comprise of only two turbines.</p>

**PROPOSED HYDROPOWER STATION AND ASSOCIATED INFRASTRUCTURE AT BOEGOEBOERG DAM ON THE ORANGE RIVER, NEAR GROBLERSHOOP,  
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**COMMENTS AND RESPONSE REPORT 3**

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<i>Comments and Responses</i>			
<b>No.</b>	<b>Name</b>	<b>Issue</b>	<b>Response</b>
		<p>42. Asked if the two turbines proposed are to be larger than those at Neus.</p> <p>43. Asked how the flows of the river are determined.</p> <p>44. Questioned the accuracy of these readings.</p>	<p>42. The turbines would be approximately the same size as those at Neus and it would be the components in the turbines that actually provide more power.</p> <p>43. HydroSA take historical data, i.e. readings from multiple DWA gauging points along the Orange and Vaal rivers over the last 14 years to determine the flows used to inform design.</p> <p>44. The proposed project has been designed in such a way that the BWUA agricultural canal will always receive water. The outtake point for the agricultural canal is lower than the proposed intake for the power station and, as such, water to the agricultural canal will be prioritised. DWA requires that electronic readings from sensors on the dam's crest be relayed to them to monitor the levels and that this information can also be sent to the BWUA to monitor. The Banks who would fund the project would have their own expert engineers to verify the flows to ensure that the proposed operation is financially viable.</p> <p>45. Anticipated date is July 2015.</p>
8	<b>Wilco Fourie (Groblershoop Boere Vereeniging &amp; Oranjerivier Landbou Unie)</b>	<p>46. Stated that the Economic Development requirements should extend further than the 50 km stipulated as part of the IPP programme as the canal services water users for its entire length (120 km) and economic benefits should extend to all.</p> <p>47. Stated the problem is that the canal has a flow of 12 m/s and the sluices scour at 30 m/s to maintain the flow in the canal. This regime needs to be maintained.</p> <p>48. Stated that he wants to register Agriforum, Boegoeboerg, Groblershoop Boere Vereeniging and the Oranjerivier Landbou Unie on the EIA I&amp;AP register.</p>	<p>46. The 50 km radius was a DOE recommendation and did allow for special conditions and that an in-depth study is to be undertaken separately with the community of the area and those along the canal.</p> <p>47. The proposed dredging system would need to satisfy the requirements of DEA, DWA, and BWUA, and would be designed as such. DWA sets conditions in the license that HydroSA will be required to fulfil and, if they do not adhere to the conditions, they can forfeit the license. This acts as an assurance for the BWUA.</p> <p>48. Agriforum, Boegoeboerg, Groblershoop Boere Vereeniging and Oranjerivier Landbou Unie have been registered.</p>
9	<b>Joseph Silo (ANC Chair</b>	<p>49. Asked whether the proposed project would exacerbate existing problems experienced with increased water use in the area, and</p>	<p>49. The proposed project does not consume any water as it is all returned to the river. The Permanent Water Commission plans to increase water in the river to</p>

**PROPOSED HYDROPOWER STATION AND ASSOCIATED INFRASTRUCTURE AT BOEGOEBERG DAM ON THE ORANGE RIVER, NEAR GROBLERSHOOP,  
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**COMMENTS AND RESPONSE REPORT 3**

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<i>Comments and Responses</i>			
<b>No.</b>	<b>Name</b>	<b>Issue</b>	<b>Response</b>
	<b>person)</b>	water becoming scarcer.	meet international obligations through increasing releases from dams upstream.
10	<b>David Fourie (Landowner in area)</b>	50. Stated that the attendees at a recent meeting of the Road Users Union in Kimberley were unaware of the proposal.	50. Kimberley Road Users Union is registered and will receive notification of the FEIR.
11	<b>Susarie Geldenhuis (Landowner in area)</b>	51. Stated the botanical specialist had spent considerable time during the site visit identifying the vegetation around the site that is to be protected. 52. Stated that Lourens Fourie was not the landowner and the 4X4 track in the Boegoeberg area had been closed. 53. Stated that the roads to the farm were maintained through a collaboration of neighbouring farmers.	51. Noted. 52. Noted. 53. Noted.

**OMGEWINGSINVLOEDBEPALING:  
BEOOGDE HIDROKRAGSENTRALE EN VERWANTE INFRASTRUKTUUR  
BY BOEGOEBERG DAM OP DIE ORANJE RIVIER,  
NABY GROBLERSHOOP, NOORD-KAAP  
FEBRUARIE 2014**

Dos Verw. No. 14/12/16/3/3/2/568



**Antwoordblad vir kommentaar deur Belanghebbende & Geaffekteerde Partye  
rakende die Konsep Omgewingsinvloedbepaling**

**Vir aandag:** Simon Clark / Diane Erasmus  
**Posadres:** P O Box 494, Cape Town, 8000  
**Tel:** 021 526 6034/ 044 805 5421  
**Faks:** 021 526 9500 / 044 805 5454  
**E-pos:** simon.clark@aurecongroup.com  
diane.erasmus@aurecongroup.com

TITEL	Me	VOORNAAM	Jacoline		
VOORLETTERS	J.	VAN	Mans		
ORGANISASIE	DAFF	E-POS	Jacoline.Mae.daff.gov.za		
POSADRES	Posbus 2782, Upington		POSKODE	8800	
	TEL NO.	054-338 5909	FAKS NO.	054-334 0030	
SEL NO.	082 808 2737	TAAL	Engels	Afrikaans <input checked="" type="checkbox"/>	Xhosa
Het u enige direkte belangstelling in die goedkeuring of afkeuring van die voorgename projek vir besigheid of ander redes?				JA	NEE

**Lys asseblief enige kollegas/vriende of organisasies wat na u mening geregistreer behoort te word as 'n Belanghebbende of Geaffekteerde Party vir hierdie OIB:**

(met kontakbesonderhede indien beskikbaar)

Naam/Organisasie	Posadres	Tel	Faks

**Opper gerus enige kwessies of bekommernisse:**  
(gebruik gerus 'n afsonderlike vel papier indien u so verkies)

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Dankie vir u bydrae

**OMGEWINGSINVLOEDBEPALING:  
BEOOGDE HIDROKRAGSENTRALE EN VERWANTE INFRASTRUKTUUR  
BY BOEGOEBERG DAM OP DIE ORANJE RIVIER,  
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**Faks:** 021 526 9500 / 044 805 5454  
**E-pos:** simon.clark@aurecongroup.com  
diane.erasmus@aurecongroup.com

TITEL	Mr.	VOORNAAM	H.
VOORLETTERS	H.	VAN	Nel
ORGANISASIE	Siyancuma Municipality	E-POS	mm@siyancuma.gov.za
POSADRES	P.O. Box 27 Dordrecht Northern Cape		
		POSKODE	8720
TEL NO.	053 298 1810	FAKS NO.	053 298 3126
SEL NO.		TAAL	Engels Afrikaans Xhosa
Het u enige direkte belangstelling in die goedkeuring of afkeuring van die voorgename projek vir besigheid of ander redes?			<input checked="" type="checkbox"/> JA <input type="checkbox"/> NEE

**Lys asseblief enige kollegas/vriende of organisasies wat na u mening geregistreer behoort te word as 'n Belanghebbende of Geaffekteerde Party vir hierdie OIB:**  
(met kontakbesonderhede indien beskikbaar)

Naam/Organisasie	Posadres	Tel	Faks

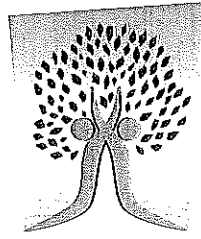
**Opper gerus enige kwessies of bekommernisse:**  
(gebruik gerus 'n afsonderlike vel papier indien u so verkies)

All correspondence to the PA of the MM -  
Ms. Geraldine Olene at Siyancuma Municipality.  
Use email: geraldine@siyancuma.gov.com

Send all reports to:  
Sammy Pienaar at  
Siyancuma Municipality.

13 March 2014

Dankie vir u bydrae



# !Kheis

## Munisipaliteit • Municipality

Service delivery starts with us.  
Dienslewering begin by ons.

Ons verw.:

Our ref.: **H.T.Scheepers**

Navrae:

Enquiries: 12 February 2014

**Hydro SA**  
**3<sup>rd</sup> Floor**  
**Execujet Business Centre**  
**Tower Road**  
**Cape Town International Airport**  
**7525**

**Attention: Mercia Grimbeek**  
**Project Manager**

Dear Madam

We as !Kheis Municipality are fully aware of the Hydro Energy Project in Boegoeberg. We fully support this project and guarantee our assistance in this project.

Yours Faithfully.

Mev. H. T. Scheepers  
Municipal Manager

-Together we can build better communities-

Tel. 054 833 9500 • Faks/Fax 054 833 9509  
Privaatsak/Private Bag X2 • GROBLERSHOOP 8850

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*Alle korrespondensie moet aan die Munisipale Bestuurder gerig word.  
All correspondence must be addressed to the Municipal Manager.*





Posbus 176/ Private Bag X2  
 Oranjestraat 97/97 Oranje Street  
 Groblershoop  
 8850

Tel: 054 833 9500  
 Faks/Fax : 054 833 0690  
 Faks/Fax : 054 833 9509

**FAKSIMILEE/FACSIMILE**

Aan/To	Simon Clark
Datum/ Date	19 Julie 2013
Vir Aandag/Attention	Simon Clark
Faksnommer/Fax number	021 526 9500
Aantal bladsye/ Number of pages	1+1

Kontakpersoon/Contact person: *Ronel Africker*  
 Kontak ons asseblief indien bovermelde aantal bladsye nie ontvang is.  
 Please contact us if total number of pages are not received.

**Cape Town**  
1 Century City Drive  
Waterford Precinct  
Century City  
7441

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PO Box 494  
Cape Town  
8000  
Docex: DX 204

15 July 2013

Email: [simon.clark@aurecongroup.com](mailto:simon.clark@aurecongroup.com)

**!Kheis Local Municipality**  
97 Oranje Street  
Groblershoop  
8850  
Attention: Reception

Dear Madam

**PROPOSED HYDROPOWER STATION AND ASSOCIATED INFRASTRUCTURE AT BOEGOEBERG DAM ON THE ORANGE RIVER, NEAR GROBLERSHOOP, NORTHERN CAPE:  
AVAILABILITY OF THE DRAFT SCOPING REPORT  
DEA Ref: 14/12/16/3/3/2/568; NEAS Ref: DEA/EIA/TBA**

This letter serves to notify you that the Draft Scoping Report (DSR) for the above-mentioned project is available for public comment between 17 July 2013 and 28 August 2013. Could you please ensure that the public have access to the report, and that it is not removed from the !Kheis municipality premises.

Should you wish to comment, please provide your comments in writing to Aurecon by email, fax or post within the 21-day comment period which ends on 28 August 2013.

Please stamp and sign this letter and fax or email it back to Aurecon as proof of placement.

Contact details: 07-18

Tel: 054 833 9500  
Fax: 054 833 9509  
Private & Confidential

!Kheis Public Library (Stamp or Signature)

18 July 2013  
Date

If you have any questions or comments, or require clarification of the content of this letter, please contact the undersigned.

Yours sincerely

AURECON

**SIMON CLARK**  
Practitioner: Environment & Advisory Services

**DIANE ERASMUS** (Cert. EAP)  
Associate: Environment & Advisory Services

File Reference: P:\Projects\109636 EA for Hydro Plant, Boegoeberg Dam\03 Project Delivery\PPP\Letters\Authorities\Let DSR Authorities ALL 15713.docx

**COLLECTION NOTE**

CUSTOMER COPY



M 8 7 0 9 0 6 - 5

TO: Dept. of Energy N. Cape  
 ADDRESS: 605 Rihakonike Mabisa  
Street Peam Building  
704 Haas  
 DESTINATION: Kimberly 8302  
 ATT: SP Mdule TEL: 0538071752



A Division of  
 DPD Laser Express  
 Logistics (Pty) Ltd  
 Reg. No. 2006033307  
 VAT REG. NO. 476025388

COLLECTION REF NO	
DATE	TIME
<u>25 11 13</u>	

QTY	DESCRIPTION OF CONTENTS AND PACKAGING	L	x	B	x	H	cm	MASS kg
<u>1</u>	<u>Document</u>							

**NOTE: The above consignments are NOT INSURED. Carriers maximum liability R3 000**  
 All goods are carried in terms of the carrier's STANDARD TRADING CONDITIONS (see reverse hereof)

FROM: Ausecon  
 ADDRESS: 1 Gantun City Drive  
Waterford Recind  
Gantun City 7441

<b>C.O.D.</b> (COLLECT ON BEHALF OF SENDER)	<b>R</b>
<b>CASH/CHEQUE</b>	<b>PREPAID ONLY</b>

TEL: \_\_\_\_\_  
 SENDER REFERENCE: 109636/xxxxPTZw

SIGNATURE AND ACCEPTANCE OF STANDARD CONDITIONS OF CONTRACT

I/we hereby acknowledge that I/we have read and understood the terms and conditions on the reverse hereof and accept that all goods are carried subject to the normal terms and conditions of carriage with which I/we acknowledge myself/ourselves to be fully acquainted.

WAYBILL NUMBER 8709065

<b>SERVICE REQUIRED</b>		<b>WHO IS PAYING?</b>	
SENDER	RECEIVER	3RD PARTY	3RD PARTY
ACCOUNT NUMBER		3RD PARTY NAME	
<u>66NST01</u>		<u>01</u>	
TF-GH/EMPLOYEE SIGNATURE		VEHICLE REGISTRATION NO	

SEE STANDARD CONDITIONS OF CONTRACT OVERLEAF

TARIFF SUBJECT TO CHANGE WITHOUT NOTICE

# COLLECTION NOTE

CUSTOMER COPY



TO: Ikheis Local Municipality  
 ADDRESS: 97 ORANGE STREET  
Grablesdorp 8850

DEST: CN

ATTN: T. Scheepers TEL: 0514 8339500

QTY: 1 DESCRIPTION OF CONTENTS AND PACKAGING

1	Doc.	ASX 30x10	1	MASS kg

**NOTE: The above consignments are NOT INSURED. Carriers maximum liability R3 000**  
 All goods are carried in terms of the carrier's STANDARD TRADING CONDITIONS. (see reverse hereof)

FROM: Aurecon  
 ADDRESS: 1 Century City Drive  
Waterford Precinct  
Century City 7441  
 TEL: 021 5266037  
 SENDER'S REFERENCE: 1096361KWPTENV

SIGNATURE AND ACCEPTANCE OF STANDARD CONDITIONS OF CONTRACT  
afahama

I/we hereby acknowledge that I/we have read and understood the terms and conditions on the reverse hereof and accept that all goods are carried subject to the normal terms and conditions of carriage with which I/we acknowledge myself/ourselves to be fully acquainted.

WAYBILL NUMBER

8709040



A Division of  
 PPD Laser Express  
 Logistics (Pty) Ltd  
 Reg. No. 2006/033330/7  
 VAT REG. NO. 4760232885

COLLECTION REF NO	
851693	
DATE	29/11/13
TIME	:

**C.O.D.**  
 (COLLECT ON BEHALF OF SENDER)

R

CASH/CHEQUE  
 R

**PREPAID ONLY**

SERVICE REQUIRED

PLEASE DELIVER | HOLD FOR COLLECTION

**WHO IS PAYING?**

SENDER  RECEIVER  3RD PARTY

TF-GHV EMPLOYEE SIGNATURE

ACCOUNT NUMBER

TF-GHV EMPLOYEE NAME

66NSIO1

3RD PARTY NAME

VEHICLE REGISTRATION NO.

# COLLECTION NOTE

CUSTOMER COPY



M 8 7 0 9 0 2 - 4

COLLECTION REF NO  
851693

DATE  
29 11 13



A Division of  
DPD Laser Express  
Logistics (Pty) Ltd  
Reg No.  
20080353907  
VAT REG. NO.  
476025285

TIME	DATE
	29 11 13

TO: Dept. of Water Affairs  
ADDRESS: Hydrological Services  
98 Central Road  
SEKENSFIELD  
Kimberley 8301

ATT: Thebe Okhoyi TEL: 0538367602  
DESTINATION: Kimberley 8301

QTY	DESCRIPTION OF CONTENTS AND PACKAGING	L	X	B	X	H	cm	MASS kg
1	Box						23x12x1	1

**NOTE: The above consignments are NOT INSURED. Carriers maximum liability R3 000**  
All goods are carried in terms of the carrier's STANDARD TRADING CONDITIONS (see reverse hereof)

FROM: Aule con  
ADDRESS: 1 Century City Drive  
Waterford Precinct  
Century City 7441  
TEL: 0216 596 6027  
SENDER REFERENCE: 1091636/MLCTENV

<b>C.O.D.</b> (COLLECT ON BEHALF OF SENDER)		<b>R</b>	
CASH/CHEQUE		<b>R</b>	
SERVICE REQUIRED		PREPAID ONLY	
WHO IS PAYING?		PLEASE DELIVER	
SENDER	RECEIVER	3RD PARTY	HOLD FOR COLLECTION
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ACCOUNT NUMBER		TF-GHV EMPLOYEE SIGNATURE	
GGNSI 01			
3RD PARTY NAME		TF-GHV EMPLOYEE NAME	
		VEHICLE REGISTRATION NO.	

I/we hereby acknowledge that I/we have read and understood the terms and conditions on the reverse hereof and accept that all goods are carried subject to the normal terms and conditions of carriage with which I/we acknowledge myself/ourselves to be fully acquainted.

WAYBILL NUMBER 8709024

TARIFF SUBJECT TO CHANGE WITHOUT NOTICE

SEE STANDARD CONDITIONS OF CONTRACT OVERLEAF

# COLLECTION NOTE

CUSTOMER COPY



A Division of  
 DPD Laser Express  
 Logistics (Pty) Ltd  
 Reg No: 20060335397  
 VAT REG. NO: 476023285

COLLECTION REF NO	
DATE	851693
TIME	29 11 13

TO: Northern Cape Dept. of  
 ADDRESS: Enkemaatal's Moture  
 Cons. Sasto Building  
 90 Long Street  
 DEST. JN: Kimberley 8301  
 ATT: A Yaphu TEL:  
 QTY: 1 Doc.

QTY	DESCRIPTION OF CONTENTS AND PACKAGING	L	x	B	x	H	cm	MASS kg
1	Doc.							

**NOTE: The above consignments are NOT INSURED. Carriers maximum liability R3 000**  
 All goods are carried in terms of the carrier's STANDARD TRADING CONDITIONS. (see reverse hereof)

FROM: Avusa Co-  
 ADDRESS: 1 Century City Drive  
 Valerford Recruit  
 Century City 7141  
 TEL:  
 SENDER'S REFERENCE: 109636/100/PTENV

**C.O.D.**  
 (COLLECT ON BEHALF OF SENDER) R

CASH/CHEQUE R

**SERVICE REQUIRED**

**WHO IS PAYING?** SENDER RECIVER 3RD PARTY

ACCOUNT NUMBER: GGNST01

3RD PARTY NAME

PREPAID ONLY

PLEASE DELIVER | HOLD FOR COLLECTION

TF-GH/ EMPLOYEE SIGNATURE

TF-GH/ EMPLOYEE NAME

VEHICLE REGISTRATION NO.

SEE STANDARD CONDITIONS OF CONTRACT OVERLEAF

TARIFF SUBJECT TO CHANGE WITHOUT NOTICE

# COLLECTION NOTE

CUSTOMER COPY

To: **Norther Cape Provincial**  
 ADDRESS: **Heritage**  
**1 Roper Street**

DESTINATION: **Kimberley 8301**

ATT: **Andrew Timothe** TEL: **0538312531**



W 5 1 1 6 9 9 - 1



A Division of  
 DPD Laser Express  
 Logistics (Pty) Ltd  
 Reg. No.  
 2006/03335307  
 VAT REG. NO.  
 4760232825

COLLECTION REF NO	
DATE	29/11/13
TIME	:

QTY	DESCRIPTION OF CONTENTS AND PACKAGING	L	x	B	x	H	cm	MASS kg
15								

**NOTE: The above consignments are NOT INSURED. Carriers maximum liability R3 000**  
 All goods are carried in terms of the carrier's STANDARD TRADING CONDITIONS (see reverse hereof)

FROM: **Aurecon**  
 ADDRESS: **1 Century City Drive**  
**Waterford Precinct**  
**Century City 7441**  
 TEL: **021 526 6027**  
 SENDE: **ERENCE** REFERENCE: **109636/44PCFEM**

SENATOR AND ACCEPTANCE OF  
 STAFF MEMBERS OF CONTRACT

I/we hereby acknowledge that I/we have read and understand the terms and conditions on the reverse hereof and accept that all goods are carried subject to the normal terms and conditions of carriage with which I/we acknowledge myself/ourselves to be fully acquainted

WAYBILL NUMBER **5116991**

**C.O.D.**  
 (COLLECT ON BEHALF OF SENDER) **R**

CASH/CHEQUE **R**

**PREPAID ONLY**

SERVICE REQUIRED **R** | PLEASE DELIVER | HOLD FOR COLLECTION

WHO IS PAYING? | SENDER | RECEIVER | 3RD PARTY | T.G.MV/EMPLOYEE SIGNATURE

ACCOUNT NUMBER | T.G.MV/EMPLOYEE NAME

3RD PARTY NAME | VEHICLE REGISTRATION NO

SEE STANDARD CONDITIONS OF CONTRACT OVERLEAF

TARIFF SUBJECT TO CHANGE WITHOUT NOTICE

**COLLECTION NOTE**

CUSTOMER COPY

TO: *Siganicum Local*  
 ADDRESS: *Municipal*

*Civic Centre*

*D'neal Calliers Street*

DESTINATION: *Douglas*

ATT: *Hastings Rd* TEL:



A Division of  
 DPD Laser Express  
 Logistics (Pty) Ltd  
 Reg. No.  
 20080335307  
 VAT REG. NO.  
 478023285

COLLECTION REF NO	
951697	
DATE	29/11/13
TIME	

QTY	DESCRIPTION OF CONTENTS AND PACKAGING	L	x	B	x	H	cm	MASS kg
1	<i>Doc.</i>							

**NOTE: The above consignments are NOT INSURED. Carriers maximum liability R3 000**  
 All goods are carried in terms of the carrier's STANDARD TRADING CONDITIONS (see reverse hereof)

FROM: *Attuceen*  
 ADDRESS: *1 Conboy Cn Drive*  
*Waterford Precinct*  
*Estuary City*  
 TEL:  
 SENDER REFERENCE: *109136/xxk1TBV*

TERMS AND ACCEPTANCE OF  
 STANDARD TRADING CONTRACT

I/we hereby acknowledge that I/we have read and understood the terms and conditions on the reverse hereof and accept that all goods are carried subject to the normal terms and conditions of carriage with which I/we acknowledge myself/ourselves to be fully acquainted.

WAYBILL NUMBER *8709107*

**C.O.D.**  
 (COLLECT ON BEHALF OF SENDER) R  
 CASH/CHEQUE R  
**PREPAID ONLY**

SERVICE REQUIRED | PLEASE DELIVER | HOLD FOR COLLECTION

WHO IS PAYING? | SENDER | RECEIVER | 3RD PARTY | TF-GHV EMPLOYEE SIGNATURE

ACCOUNT NUMBER | 3RD PARTY NAME | TF-GHV EMPLOYEE NAME

VEHICLE REGISTRATION NO. *GN5101*



# COLLECTION NOTE

CUSTOMER COPY



M 8 7 0 9 0 7 - 3

TO: Singapore Local Municipality  
 ADDRESS: Victoria Street

DESTINATION: RIEKA 8910

ATTN: Johnny Newman  
 QTY: 1

DESCRIPTION OF CONTENTS AND PACKAGING

1 Parcel

KB



A Division of  
 DPD Laser Express  
 Logistics (Pty) Ltd  
 Reg. No. 20860335307  
 VAT REG. NO. 476823285

COLLECTION REF NO	
TIME	DATE
	<u>09/11/13</u>

L X B X H cm

MASS kg

**NOTE: The above consignments are NOT INSURED. Carriers maximum liability R3 000**  
 All goods are carried in terms of the carrier's STANDARD TRADING CONDITIONS. (see reverse hereof)

FROM: Aurcon  
 ADDRESS: Century City Drive  
Waterford Records  
Century City 7441  
 TEL: \_\_\_\_\_  
 SENDER REFERENCE: 891036/1001/PRW  
 SIGNATURE AND ACCEPTANCE OF STANDARD CONDITIONS OF CONTRACT

<b>C.O.D.</b> (COLLECT ON BEHALF OF SENDER)		<b>PREPAID ONLY</b>	
CASH/CHEQUE SERVICE REQUIRED		PLEASE DELIVER   HOLD FOR COLLECTION	
<b>WHO IS PAYING?</b>		TF-GH/EMPLOYEE SIGNATURE	
SENDER	RECEIVER	3RD PARTY	
<u>V</u>			
ACCOUNT NUMBER		TF-GH/EMPLOYEE NAME	
<u>66NSI01</u>			
3RD PARTY NAME		VEHICLE REGISTRATION NO.	

I/we hereby acknowledge that I/we have read and understood the terms and conditions on the reverse hereof and accept that all goods are carried subject to the normal terms and conditions of carriage with which I/we acknowledge myself/ourselves to be fully acquainted.

WAYBILL NUMBER 8709073

SEE STANDARD CONDITIONS OF CONTRACT OVERLEAF

TARIFF SUBJECT TO CHANGE WITHOUT NOTICE

# COLLECTION NOTE

CUSTOMER COPY



COLLECTION REF NO?  
81013



A Division of  
DPD Laser Express  
Logistics (Pty) Ltd  
Reg. No.  
2006/033339/07  
VAT REG. NO.  
4760235285

TIME	DATE
8:11	13

TO: Giyanda District Municipality  
 ADDRESS: Chr. Hill & LE Roux  
STREETS  
 DESTIN: UPINGTON 8800  
 ATT: A. Nyxanga TEL: 0543371280  
 QTY: 1 box DESCRIPTION OF CONTENTS AND PACKAGING: 6/5  
 MASS kg: 1

**NOTE: The above consignments are NOT INSURED. Carriers maximum liability R3 000**  
 All goods are carried in terms of the carrier's STANDARD TRADING CONDITIONS (see reverse hereof)

FROM: Aure con  
 ADDRESS: 1 Century City Drive  
Waterford Precinct  
Century City 7944  
 TEL: 021 526 6027  
 SENDER REFERENCE: 109636/kw/TFN  
 SIGNATURE AND ACCEPTANCE OF STANDARD CONDITIONS OF CONTRACT  
Fabrice

**C.O.D.**  
 (COLLECT ON BEHALF OF SENDER) **R**

CASH/CHEQUE **R**

**PREPAID ONLY**

**WHO IS PAYING?**

SENDER	RECEIVER	3RD PARTY
<u>V</u>		

ACCOUNT NUMBER: 66N5I01

3RD PARTY NAME:

TF-GHV EMPLOYEE SIGNATURE: [Signature]

TF-GHV EMPLOYEE NAME:

VEHICLE REGISTRATION NO:

SEE STANDARD CONDITIONS OF CONTRACT OVERLEAF

TARIFF SUBJECT TO CHANGE WITHOUT NOTICE

WAYBILL NUMBER: 8109032

**COLLECTION NOTE**

CUSTOMER COPY



M 8 7 0 9 0 1 - 6

TO: Dept. of  
 ADDRESS: Reform & Rural Development  
 Under AFFAIRS Building  
 Crusade Road  
 DESTINATION: Uppingsbn 8000  
 ATT: NS Toerien TEL: 0543378000



A Division of  
 DPD Laser Express  
 Logistics (Pty) Ltd  
 Reg. No.  
 2006/033330/7  
 VAT REG. NO.  
 4760235385

COLLECTION REF NO	
TIME	DATE
	851017
	29/11/13

QTY	DESCRIPTION OF CONTENTS AND PACKAGING	L	X	B	X	H	cm	MASS kg
1	Barment						22x16x1	1

**NOTE: The above consignments are NOT INSURED. Carriers maximum liability R3 000**  
 All goods are carried in terms of the carrier's STANDARD TRADING CONDITIONS (see reverse hereof)

FROM: AURE CON  
 ADDRESS: 1 Century City Drive  
 Waterford Precinct  
 Century City 7441  
 TEL: 021 526 6827  
 SENDER REFERENCE: 1D96361WPCPTENV

<b>C.O.D.</b> (COLLECT ON BEHALF OF SENDER)		<b>R</b>	
CASH/CHEQUE		<b>PREPAID ONLY</b>	
SERVICE REQUIRED		PLEASE DELIVER   HOLD FOR COLLECTION	
<b>WHO IS PAYING?</b>		TF-GH/ EMPLOYEE SIGNATURE	
SENDER	RECEIVER	3RD PARTY	
ACCOUNT NUMBER		TF-GH/ EMPLOYEE NAME	
3RD PARTY NAME		VEHICLE REGISTRATION NO.	

SIGNATURE AND ACCEPTANCE OF STAFF/ACTIVATOR OF CONTRACT

I/we hereby acknowledge that I/we have read and understood the terms and conditions on the reverse hereof and accept that all goods are carried subject to the normal terms and conditions of carriage with which I/we acknowledge myself/ourselves to be fully acquainted.

WAVBILL NUMBER 8709016

SEE STANDARD CONDITIONS OF CONTRACT OVERLEAF

TARIFF SUBJECT TO CHANGE WITHOUT NOTICE

# COLLECTION NOTE

CUSTOMER COPY

TO: *Dept. Agriculture Island*  
 ADDRESS: *Belgum Northern Cape*

*7-9 ELIOTT STREET*

DESTINATION: *Kimberly*

ATTN: *L. Manong* TEL: *0825597289*

M 8 7 0 9 0 5 - 7



A Division of  
 OPD Laser Express  
 Logistics (Pty) Ltd  
 Reg. No. 2006/03333/07  
 VAT REG. NO. 476023526

COLLECTION REF NO	DATE	TIME
	<i>29 11 13</i>	

QTY DESCRIPTION OF CONTENTS AND PACKAGING L X B X H cm MASS kg

*1 Doc.*

**NOTE: The above consignments are NOT INSURED. Carriers maximum liability R3 000**  
 All goods are carried in terms of the carrier's STANDARD TRADING CONDITIONS (see reverse hereof)

FROM: *Awecon*  
 ADDRESS: *16 Century City Drive*  
*Wunderford Pre-district*  
*Century City 7441*

TEL: \_\_\_\_\_  
 SENDER REFERENCE: *109636/xxx/CPREV*  
 SIGNATURE AND ACCEPTANCE OF STANDARD CONDITIONS OF CONTRACT

(I/we hereby acknowledge that I/we have read and understood the terms and conditions on the reverse hereof and accept that all goods are carried subject to the normal terms and conditions of carriage with which I/we acknowledge myself/ourselves to be fully acquainted.)

WAYBILL NUMBER *8709057*

**C.O.D.**  
 (COLLECT ON BEHALF OF SENDER)  R

CASH/CHEQUE  R

**PREPAID ONLY**

**SERVICE REQUIRED**

WHO IS PAYING?  
 SENDER  RECEIVER  3RD PARTY

PLEASE DELIVER  HOLD FOR COLLECTION

TF-GHW EMPLOYEE SIGNATURE

ACCOUNT NUMBER *GGNSIO1*

3RD PARTY NAME

TF-GHW EMPLOYEE NAME

VEHICLE REGISTRATION NO





Track this shipment: <http://www.dhl.com>  
 Shipment Web Call  
(When registration is required)

**1 Payer account number and insurance details**

Charge to  Shipper  Receiver  3rd party  Cash   
 Cheque   
 Credit Card

Payer Account No. \_\_\_\_\_

Not all payment options are available in all countries. CC reference code \_\_\_\_\_

**Shipment Insurance** see reverse  
 Yes Insured value \_\_\_\_\_  
(in local currency)

**2 From (Shipper)**

Shipper's account number  
 3051445331

Contact name  
 Kim White

Shipper's reference (up to 32 characters - first 12 will be shown on invoice)  
 109636 XXXX CRT EAW

Company name  
 ADRECOM

Address  
 1 CENTURY CITY DRIVE  
 WATERFORD PRECINT  
 CENTURY CITY

Postcode/Zip Code (required)  
 7441

Phone, Fax or E-mail (required)  
 021 526 7400

**3 To (Receiver)**

Company name  
 Dep. of Environmental Affairs

Deliverly address (DHL cannot deliver to a PO Box)  
 Fedswie Forum Building  
 4th Floor South Tower  
 315 Pretorius Street  
 PRETORIA

Country  
 RSA

Postcode/Zip Code (required)  
 0002

Contact person  
 Thabile Sangweni 012 3951768

**Shipper's copy/Receipt**

ORIGIN \_\_\_\_\_ DESTINATION CODE **PRK**

**8 Products & Services**

Domestic  International Document  
 International Non-Documnt

Products from all countries except those of countries and collection areas are insurable only and are not insurable on DHL

EXPRESS 9.00  EXPRESS 10.30  
 EXPRESS 12.00  EXPRESS / WORLDWIDE  
 EXPRESS ENVELOPE  ECONOMY SELECT  
 OTHER \_\_\_\_\_

Optional Services (extra charges may apply)  
 Saturday Delivery  Hold for Collection  
 Delivery Notification  Payable Packaging  
 Other \_\_\_\_\_

Globalmail Business  Standard  Other  
 Priority

DIMENSIONAL/CHARGEABLE WEIGHT  
 kg • gr

CHARGES SERVICES  
 Other \_\_\_\_\_  
 Insurance \_\_\_\_\_  
 VAT \_\_\_\_\_  
 CURRENCY TOTAL \_\_\_\_\_

PAYMENT DETAILS (Cheque, Card No.)  
 No.: \_\_\_\_\_  
 Type \_\_\_\_\_ Expires \_\_\_\_\_  
 Picked up by \_\_\_\_\_  
 Route No. \_\_\_\_\_ Date \_\_\_\_\_  
 Time \_\_\_\_\_

**4 Shipment details** Billed weight is calculated from total weight and dimensions

Total number of packages	Total Weight	Dimensions in cm	Pieces	Length	Width	Height
1	4.5 gr		@			
			@			
			@			
			@			

**5 Full description of contents**  
 Give content and quantity  
 Document x2

**6 Non-Document Shipments Only (Customs Requirement)**  
 Attach the original and two copies of a Proforma or Commercial Invoice  
 Receiver's VAT/GST or Shipper's EIN/SSN \_\_\_\_\_

Declared Value for Customs (as on commercial/proforma invoice)  
 Harmonised Commodity Code if applicable \_\_\_\_\_

Destination duties/taxes if left blank receiver pays duties/taxes  
 Receiver  Shipper  Other \_\_\_\_\_ specify approved account number \_\_\_\_\_

**7 Shipper's agreement (Signature required)**  
 Unless otherwise agreed in writing, I/we agree that DHL's Terms and Conditions of Carriage are all the terms of the contract between me/us and DHL and (1) such Terms and Conditions and, where applicable, the Warsaw or Montreal Convention limits and/or excludes all claims for loss, damage or delay and (2) this shipment does not contain cash or dangerous goods (see reverse).

Signature **Fatima** Date **29/11/13**

**COLLECTION NOTE** CUSTOMER COPY



TO: WEIS LOCAL MUNICIPALITY  
 ADDRESS: 97 ORANGE STREET  
 DESTINATION: GROBBERSTROOP 8850  
 ATT: MRS. FERESA TEL: 054 833 9500



A Division of  
 DPD Laser Express  
 Logistics (Pty) Ltd  
 Reg. No.  
 2006/033353/07  
 VAT REG. NO.  
 4760235285

COLLECTION REF NO  
704158  
 DATE: 16 7 2013  
 TIME: :

QTY	DESCRIPTION OF CONTENTS AND PACKAGING	L x B x H cm	MASS kg
			1KG.

ALL GOODS ARE CARRIED IN TERMS OF THE CARRIER'S STANDARD CONDITIONS OF CARRIAGE (SEE REVERSE HEREOF). CARRIERS MAXIMUM LIABILITY R3 000

FROM: ALRECON SA (PTY) LTD  
 ADDRESS: 1 CENTURY CITY DRIVE  
WATERFORD PRECINCT  
CENTURY CITY CAPE TOWN  
 TEL: 021 526 9400  
 SENDER'S REFERENCE: 109636/M/K/PER/ENV  
 SIGNATURE AND ACCEPTANCE OF STANDARD CONDITIONS OF CONTRACT  
 I/we hereby acknowledge that I/we have read and understood the terms and conditions on the reverse hereof and accept that all goods are carried subject to the normal terms and conditions of carriage with which I/we acknowledge myself/ourselves to be fully acquainted.

C.O.D. (COLLECT ON BEHALF OF SENDER) **R**  
 CASH/CHEQUE **PREPAID ONLY**  
 SERVICE REQUIRED PLEASE DELIVER HOLD FOR COLLECTION  
 WHO IS PAYING? SENDER REVERSE 3RD PARTY  
 ACCOUNT NUMBER: GGNSI01  
 3RD PARTY NAME: GGNSI01  
 TF-GHV EMPLOYEE SIGNATURE  
 TF-GHV EMPLOYEE NAME  
 VEHICLE REGISTRATION NO.

Supplied by LITHOTECH SKZN Tel: (031) 700 2577 REF: T1M010009

SEE STANDARD CONDITIONS OF CONTRACT OVERLEAF TARIFF SUBJECT TO CHANGE WITHOUT NOTICE

**COLLECTION NOTE** CUSTOMER COPY



TO: WEIS PUBLIC LIBRARY  
 ADDRESS: 97 ORANGE STREET  
 DESTINATION: GROBBERSTROOP  
 ATT: HEAD LIBRARIAN TEL: 054 833 9500



A Division of  
 DPD Laser Express  
 Logistics (Pty) Ltd  
 Reg. No.  
 2006/033353/07  
 VAT REG. NO.  
 4760235285

COLLECTION REF NO  
704148  
 DATE: 16 7 2013  
 TIME: :

QTY	DESCRIPTION OF CONTENTS AND PACKAGING	L x B x H cm	MASS kg
1	CD		500g

ALL GOODS ARE CARRIED IN TERMS OF THE CARRIER'S STANDARD CONDITIONS OF CARRIAGE (SEE REVERSE HEREOF). CARRIERS MAXIMUM LIABILITY R3 000

FROM: ALRECON SA (PTY) LTD  
 ADDRESS: 1 CENTURY CITY DRIVE  
WATERFORD PRECINCT  
CENTURY CITY CAPE TOWN 7441  
 TEL: 021 526 9400  
 SENDER'S REFERENCE: 109636/M/K/PER/ENV  
 LIBRARY USE ONLY  
 I/we hereby acknowledge that I/we have read and understood the terms and conditions on the reverse hereof and accept that all goods are carried subject to the normal terms and conditions of carriage with which I/we acknowledge myself/ourselves to be fully acquainted.

C.O.D. (COLLECT ON BEHALF OF SENDER) **R**  
 CASH/CHEQUE **PREPAID ONLY**  
 SERVICE REQUIRED PLEASE DELIVER HOLD FOR COLLECTION  
 WHO IS PAYING? SENDER REVERSE 3RD PARTY  
 ACCOUNT NUMBER: GGNSI01  
 3RD PARTY NAME: GGNSI01  
 TF-GHV EMPLOYEE SIGNATURE  
 TF-GHV EMPLOYEE NAME  
 VEHICLE REGISTRATION NO.

Supplied by LITHOTECH SKZN Tel: (031) 700 2577 REF: T1M010009

**COLLECTION NOTE** CUSTOMER COPY

TO: *GROBLESKOP Public LIBRARY*

ADDRESS: *MAIN STREET*

DESTINATION: *GROBLESKOP 8850*

ATT: *LIBRARIAN* TEL:



A Division of  
DPD Laser Express  
Logistics (Pty) Ltd  
Reg. No.  
2006/03353/07  
VAT REG. NO.  
4760235285

COLLECTION REF NO		
70412		
DATE	16	7 2015
TIME		

QTY	DESCRIPTION OF CONTENTS AND PACKAGING	L	x	B	x	H	cm	MASS kg
1	REPORTS							1KG

ALL GOODS ARE CARRIED IN TERMS OF THE CARRIER'S STANDARD CONDITIONS OF CARRIAGE (SEE REVERSE HEREOF). CARRIERS MAXIMUM LIABILITY R3 000

FROM: *AURECON SA (PTY) LTD*  
ADDRESS: *1 CENTURY CITY DRIVE*  
*WATERFORD PRECINCT*  
*CENTURY CITY CAPE TOWN*

**C.O.D.**  
(COLLECT ON BEHALF OF SENDER)

R

R

CASH/CHEQUE

**PREPAID ONLY**

TEL: *021 526 9400*

**SERVICE REQUIRED**

PLEASE DELIVER

HOLD FOR COLLECTION

SENDER'S REFERENCE: *109636/1/1/1/CP/CA/11/*

**WHO IS PAYING?**

TF-GHV EMPLOYEE SIGNATURE

SENDER	RECEIVER	3RD PARTY
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

ACCOUNT NUMBER

TF-GHV EMPLOYEE NAME

*GGNSI01*

3RD PARTY NAME

VEHICLE REGISTRATION NO.

SIGNATURE AND POSITION OF SENDER  
*[Signature]*  
STANDARD CONDITIONS OF CONTRACT

I/we hereby acknowledge that I/we have read and understood the terms and conditions on the reverse hereof and accept that all goods are carried subject to the normal terms and conditions of carriage with which I/we acknowledge myself/ourselves to be fully acquainted.

WAYBILL NUMBER

Supplied by LITHOTECH SKZN Tel. (031) 709 2577 REF: TRAD0010

SEE STANDARD CONDITIONS OF CONTRACT OVERLEAF

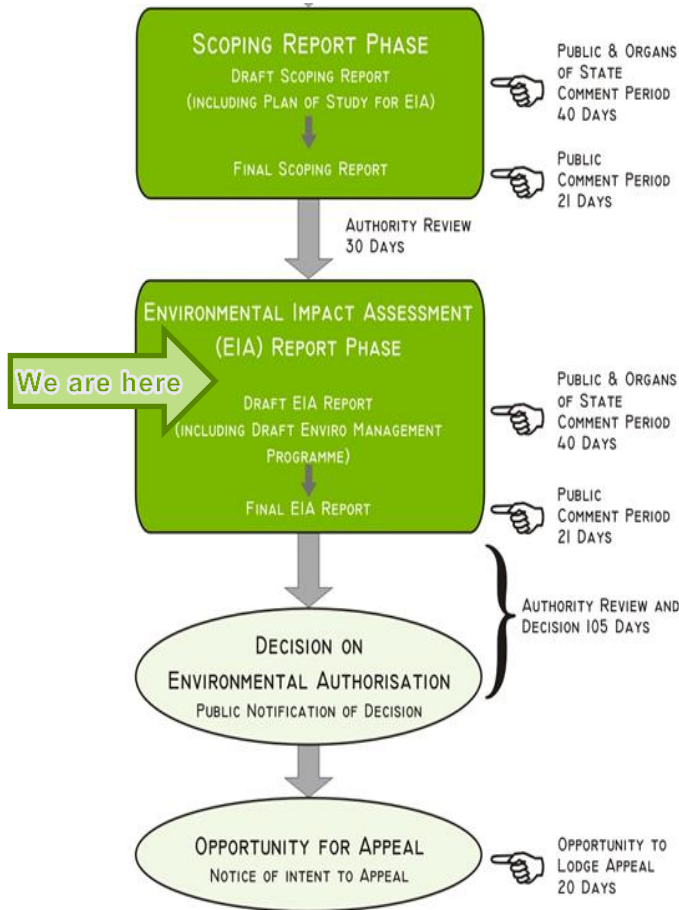
TARIFF SUBJECT TO CHANGE WITHOUT NOTICE



**ENVIRONMENTAL IMPACT ASSESSMENT  
FOR A HYDROPOWER STATION AT  
BOEGOEBERG DAM**

**ENVIRONMENTAL IMPACT ASSESSMENT  
FEBRUARY 2014**

# EIA PROCESS



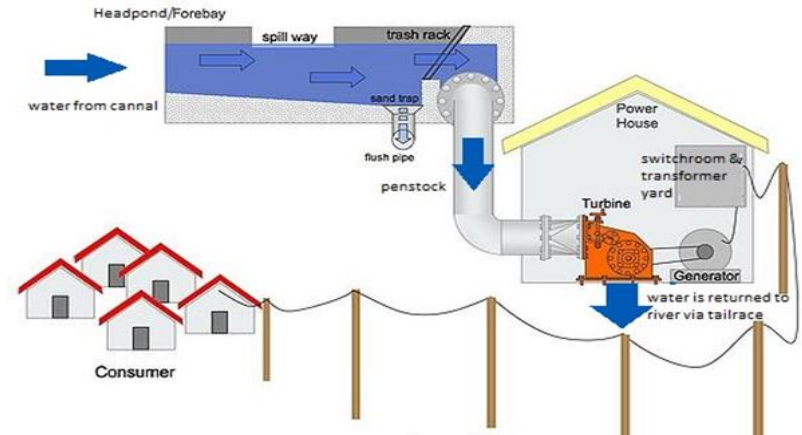
## PROJECT TEAM

Role	Individual	Organisation
Project Director	Andries van der Merwe	Aurecon
Project Manager	Diane Erasmus	Aurecon
Simon Clark	EIA team	Aurecon
Botanical	Dave McDonald	Bergwind Botanical Surveys and Tours
Aquatic Resources	James MacKenzie	Mackenzie Ecological & Developmental Services
Heritage	Jason Orton	ACO Associates
Avifaunal	Andrew Jenkins	Avisense
Palaeontology	John Almond	Natura Viva
Traffic	WR Duff-Riddell	Aurecon

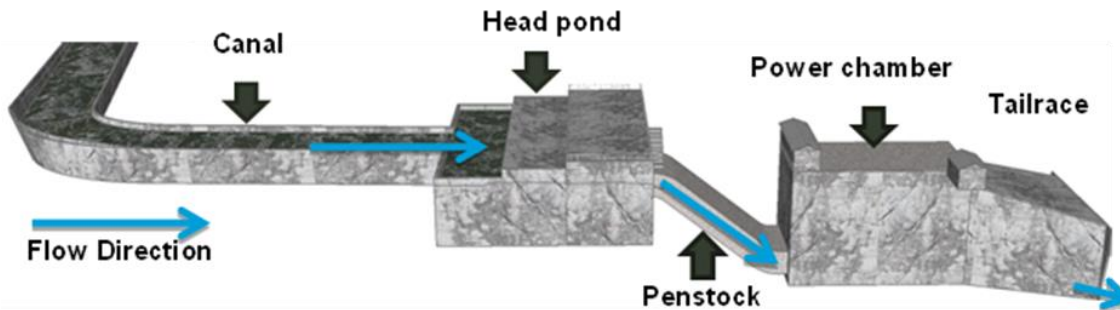
- Evaluates environmental characteristics of proposed project and study area
- Predicts consequences of project activities on environment and affected people
- Recommends measures to avoid or lessen negative impacts and measures to enhance positive impacts
- Provides opportunity to comment on project
- EIA required for activities listed in terms of National Environmental Management Act (Act No. 107 of 1998 (NEMA))
- DEA must approve EIA and Environmental Management Plan before construction can start

# WHAT IS PROPOSED

- Run-of-river hydropower facility
- 11 megawatt (MW)
- On banks of Orange River at Boegoeberg Weir
- Farm 306 Zeekoebaart
- Groblershoop in the Northern Cape



Generation of electricity from run-of-river hydropower station Source: <https://energypedia.info>



Typical components of a run-of-river hydropower facility

**Project proponent:** Boegoeberg Hydro Electric Power (Pty) Ltd

- Will feed electricity into South African national grid
- Will supplement power generation capacity
- Will assist South Africa in meeting its commitments to produce a portion of its power from renewable energy sources

# WHAT IS PROPOSED

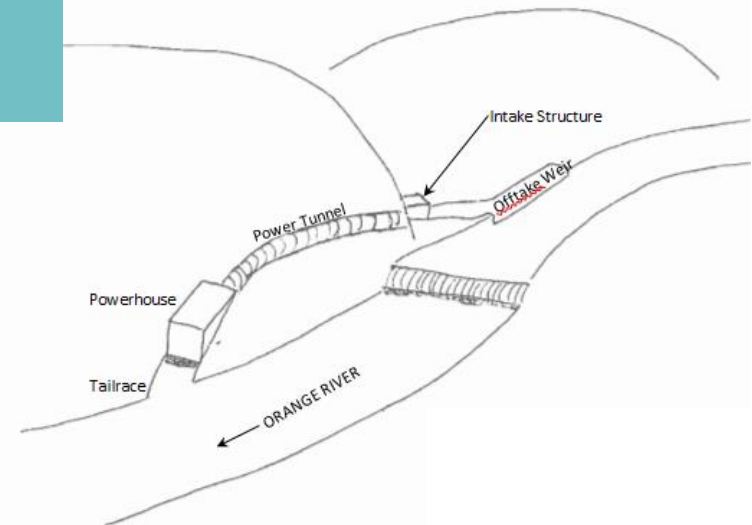
## POWER STATION INFRASTRUCTURE

- Intake infrastructure:
  - Existing Boegoeberg Weir
  - Off-take Weir to regulate flow into the water conveyance infrastructure
  - Inlet structure
  - Temporary upstream caisson (coffer dam)
- Water conveyance infrastructure to direct water from river to power chamber
- Head pond/ forebay to regulate flow to power chamber
- Power station intake structure/ penstock
- Power chamber to house the turbines
- Outlet works/ tailrace to return water to river, downstream of power chamber
- Sediment basins



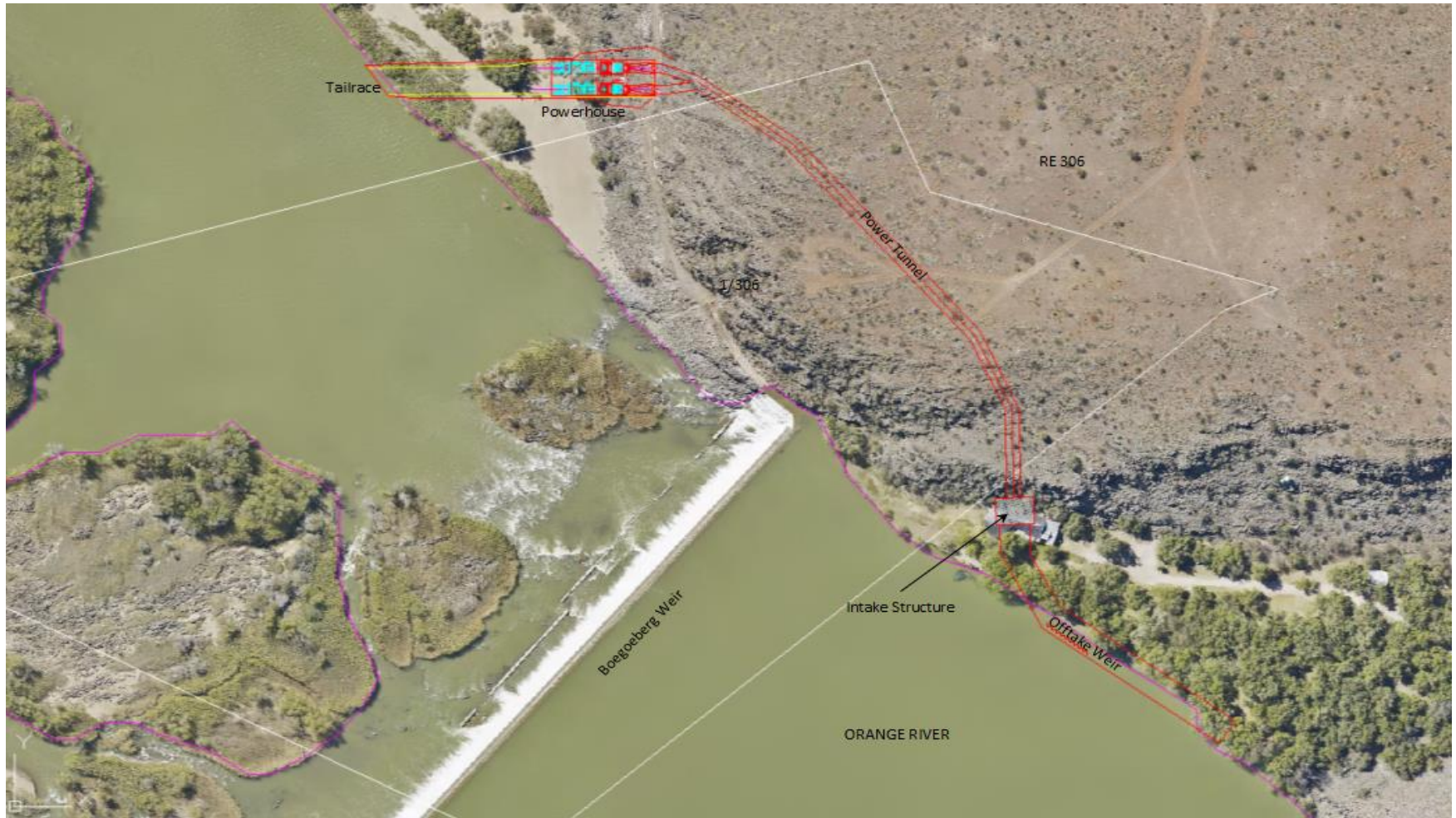
## ANCILLARY INFRASTRUCTURE

- Access roads
- Transmission line(s) to evacuate power to grid
- Switch room and transformer yard
- Temporary lay down areas



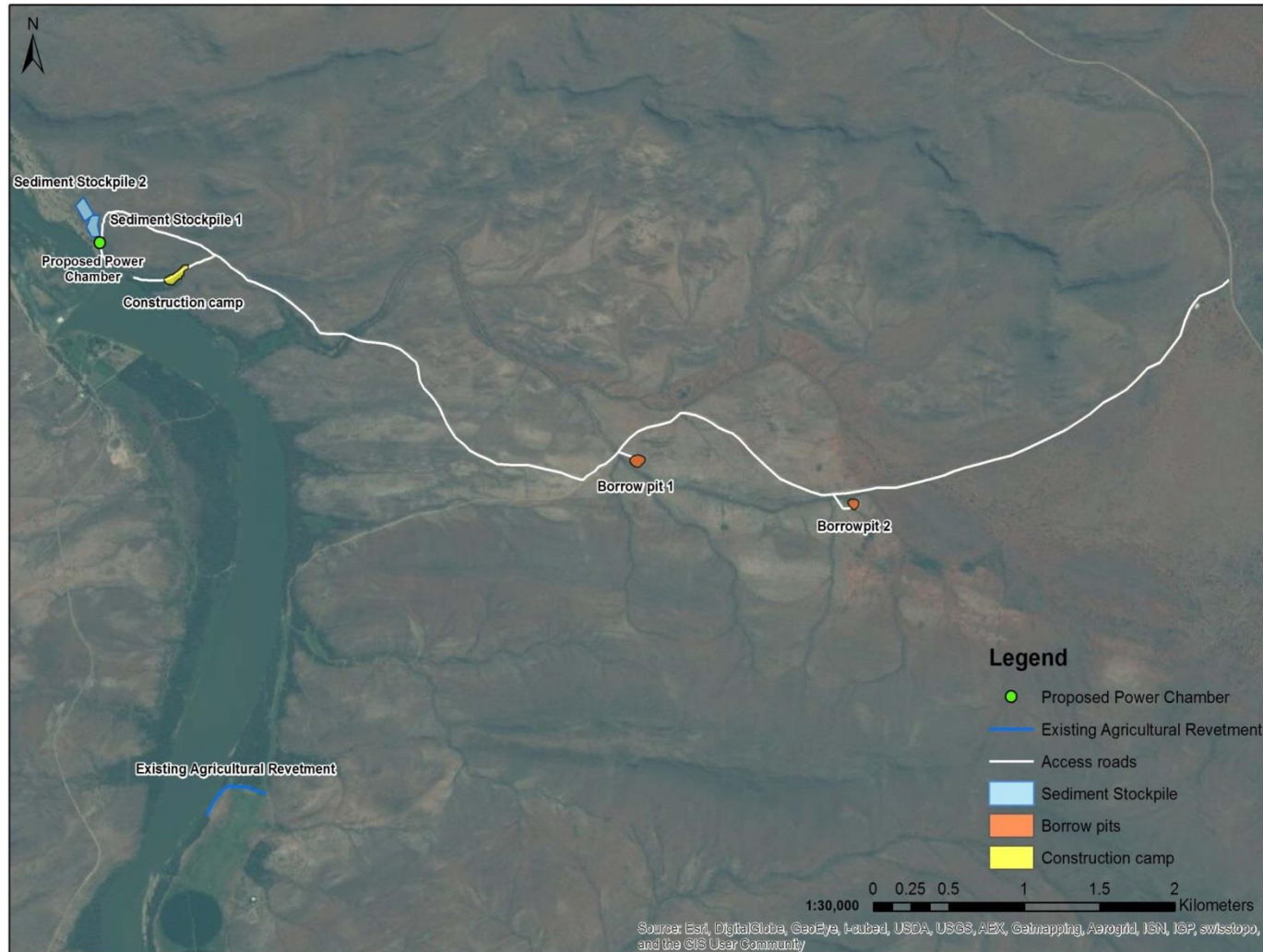
Eskom's Fibre substation where the transmission line would connect to the national grid to the left and sketch of proposed power station infrastructure on the right.

# WHAT IS PROPOSED



Proposed hydropower station at Boegoeberg weir

# WHAT IS PROPOSED



# NEED AND DESIREABILITY

## 1. Insufficient installed generation and ageing power station fleet

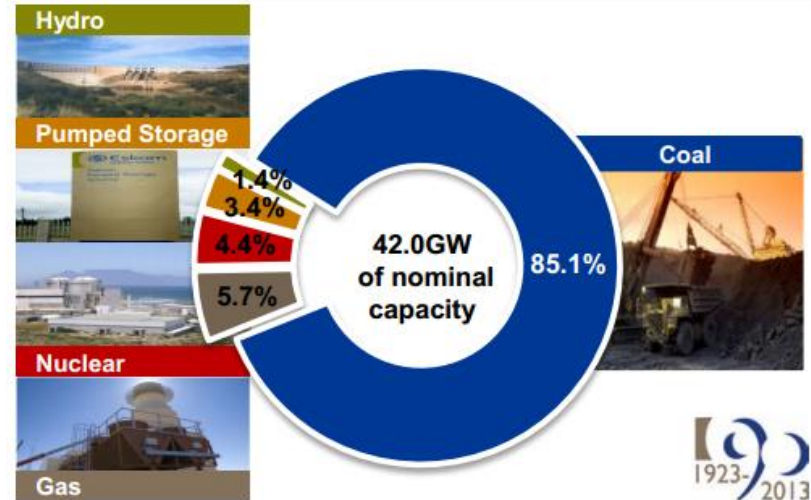
Eskom's unplanned capability loss factor (power station failures) has increased from 7.97% to 12.12%. Nearly two-thirds of Eskom's power stations are beyond the midpoint of their expected lifespans and performance have become increasingly volatile. Future demands keep growing.

## 2. Renewable utilisation of a natural resource for base load generation

Provides base load power, potential to replace coal-fired power stations as base load stations, which other renewable technologies cannot do without storage capacity. Reduces the demand on scarce resources such as water, as well as non-renewable resources such as coal.

## 3. Promoting local economic development and jobs creation.

Creates a more sustainable economy, energy diversification. Promotes local economic development by creating jobs and promoting skills development.



Generation capacity – 30 September 2013

### Base load power station required to

- Strengthen national grid and support future load growth
- Reduce demand for non-renewables (coal) and assist in reducing CO<sub>2</sub> emissions, pollution while helping meet climate change targets.
- Promote local economic growth and job creation

# STAKEHOLDER ENGAGEMENT

## Goal of engagement:

Undertake transparent and inclusive process to scope all issues and inform decision-making.

### Scoping Phase:

- Identify and inform potentially affected parties of project
- I&APs identify concerns to be addressed and inform Plan of Study for EIA

### Assessment Phase:

- Present findings of specialists and overall assessment for comment



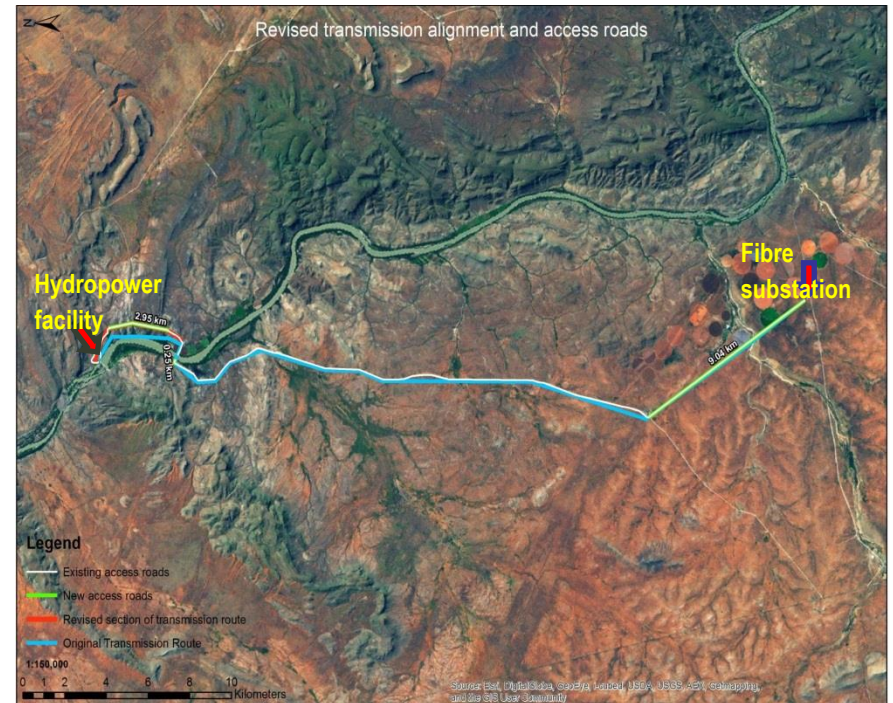
## Activities undertaken:

Adverts	Die Kalahari Bulletin on 18 July 2013 and Die Volksbald on 17 July 2013
Site notices	Notice boards at entrance to site, Groblershoop Public Library, !Kheis Local Municipality (Pofadder)
Project Notification	Written notice to potential I&APs, surrounding landowners, organs of state and relevant authorities on 1 July 2013
	Request for I&APs to recommend other potential I&APs (chain referral process).
Scoping Report	Hard copy reports lodged at Groblershoop Public Library and !Kheis Local Municipality in Groblershoop; On Aurecon website
	DRAFT: Comment period 17 July to 26 August 2013 (Written notification of availability provided)
	FINAL: Comment period 16 September to 10 October 2013 (Written notification of availability provided)
EIA Report	Hard copy reports lodged at Groblershoop Public Library and !Kheis Local Municipality in Groblershoop; On Aurecon website
	DRAFT: Comment period 2 December 2013 to 29 January 2014 (Written notification of availability provided)
Meetings	Scoping meeting proposed 17 August 2013; cancelled as no response
	EIA meeting - current (10 & 11 Feb 2014)

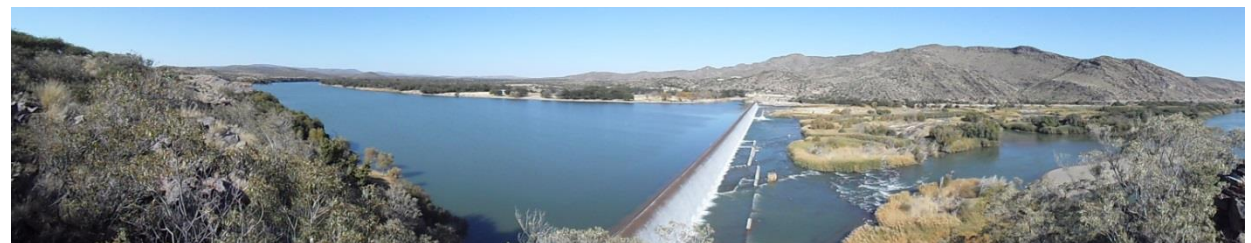


# ALTERNATIVES ASSESSED

	ALTERNATIVES ASSESSED	SELECTED ALTERNATIVE
LOCATION ALTERNATIVES	Boegoeberg dam, Farm 306 Zeekoebaart.	Only proposed hydropower station to be considered
ACTIVITY ALTERNATIVES	<u>Energy generation by means of hydropower station</u> "No-go" alternative to hydropower energy production	Technically preferred
SITE LAYOUT ALTERNATIVES	Open canal water conveyance system <u>Tunnel water conveyance system</u>	Preferred
TRANSMISSION LINE ROUTE ALTERNATIVES	Shortest route from site to Eskom Fibre substation <u>Route to Eskom Fibre substation avoiding sensitive riverine habitat</u>	Preferred by botanist and avifaunal specialist



Revised transmission servitude based on environmental sensitivities



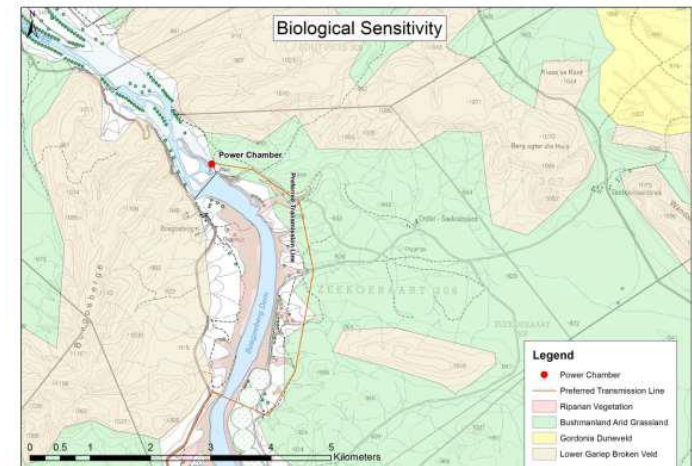
# ECOLOGICAL ASSESSMENT

## Main findings

- All project components located within Nama Karoo Biome, Bushmanland Bioregion
- Vegetation types in affected area:
  - Lower Gariep Broken Veld and Bushmanland Arid Grassland: not listed in National List of Threatened Ecosystems
  - Lower Gariep Alluvial Vegetation: Listed as Endangered A1 but will not be greatly affected by the proposed project.
- Need to minimise loss of *Boscia albitrunca* (Shepherds' Tree) - nationally protected species
- No Red List Species found and chances of affecting such species are low (-) to very low (-)
- Majority of affect area assessed as low to medium ecological sensitivity
- Despite localised footprint, cumulative disturbance of habitats along river can be significant
- Overall impact of Medium to Low negative with mitigation

## Proposed Mitigation Measures

- Ensure Environmental Control Officer on site for construction phase
- Implement Environmental Management Plan
- Restrict removal of Shepherd's Bush (apply for permit if unavoidable)
- Compile and implement Rehabilitation Plan, Alien Invasive Plant Management Plan and Stormwater Management Plan to control erosion
- Ensure that all activities occur within demarcated project area
- Reroute transmission line to avoid Lower Gariep Alluvial Vegetation (accommodated in revised design)
- Minimise foot print area



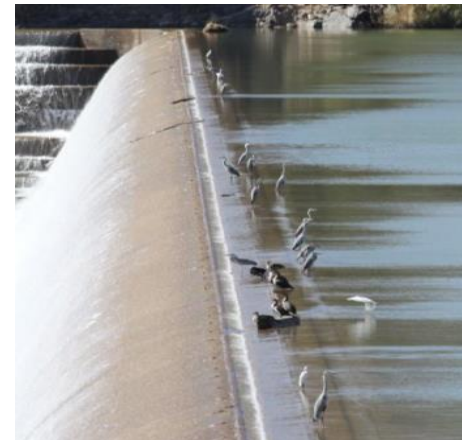
# AVIFAUNAL ASSESSMENT

## Main Findings

- Habitat loss/change/degradation and disturbance impacts on waterbird and cliff-nesting communities
- Habitat loss/degradation and disturbance impacts on large terrestrial birds and savannah raptors (e.g. Martial Eagle)
- Mortality of waterbirds, raptors and large terrestrials in collisions with and/or electrocution on the power lines
- Some waterbird species may benefit from changes on river flow or water quality and some species (Martial Eagle, smaller raptors and Sociable Weaver) may colonise and roost and/or breed in structures
- Impact of transmission lines is Very Low Negative with mitigation during construction and Low to Medium Negative during operation, with mitigation
- Impact of power station is Low Negative with mitigation

## Proposed Mitigation Measures

- Minimise footprint area
- Limit construct period to shortest possible time
- Limit construction during breeding season of Verreaux's Eagle
- Route power line away from riparian vegetation (accommodated in design)
- Use bird diverters on transmission lines



# AQUATIC ASSESSMENT

## Main Findings

- Potential for sediment input and water quality deterioration during construction
- Increased opportunity for alien plant species
- Potential for poaching by construction workers
- Disturbance of riparian fauna (noise, activity)
- Destabilisation of banks causing erosion
- Excavations and clearing result in waste
- Loss of riverine habitat
- Changes of flow affect in-stream habitats
- Reduced success of spawning downstream of weir due to reduced flow in low season
- Transmission lines - Low Negative impact (with mitigation) for construction and Neutral for operation (with mitigation)
- Impact of power station is Low – Medium Negative with mitigation

## Proposed Mitigation Measures

- Minimise footprint area
- Minimise bank destabilisation, vegetation disturbance and removal
- Prevent and minimise erosion and sedimentation – implement Environmental Management Plan
- Route power line away from riparian vegetation (accommodated in design)
- Remove alien species, conserve and rehabilitate natural vegetation
- Prohibit fishing from start.
- Ensure environmental flows occur before intake comes into operation



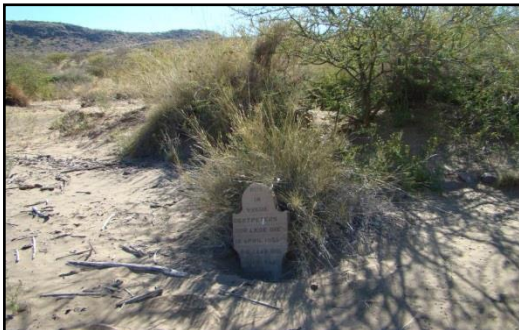
# HERITAGE ASSESSMENT

## Main Findings

- Few archaeological resources were found - very little heritage will be impacted
- Extensive scatter of stone artefacts above the cliff at the Boegoeberg Weir -most are Middle Stone Age
- Small and very ephemeral archaeological site on sandy floodplain downstream of weir
- Cluster of low stone walls on south of river close to power line crossing point - pre-colonial walling from Karoo
- One informal graveyard next to access road to Zeekoebaart
- Two isolated graves/probable graves within about one metre of road.
- Two possible graves in sandy floodplain downstream of cliff
- Boegoeberg Weir is a heritage structure - built between 1929 and 1933
- No areas or sites of exceptional fossil heritage sensitivity or significance

## Mitigation

- Sampling flat area at top of cliff for artefacts from various areas
- Fence graves and monitor for disturbance
- Avoid stone walls
- Monitor for resources during construction
- Report findings to SAHRA



# SOCIAL ASSESSMENT

## Main Findings

- Employment opportunities from construction peaking at 150 to 200 people for 24 months
- Estimated 75% of jobs to go to local community
- Estimated 80% allocated to South African citizens and 75% specifically for black citizens
- Estimated 58% of opportunities require skilled employees of which 20% would be black
- Economic multiplier effects predicted from positive ripple effects in local economy - result of direct expenditure from development
- Potential negative impact of construction workers in area
- Impact of project is Low Positive significance (with mitigation)
- Potential cumulative impacts - Medium Positive significance

## Proposed Mitigation Measures

- Local Employment Policy to be implemented, audited and accompanied by training programme
- Local Procurement Policy to be adopted to maximise benefit to locals
- Implement policy of “no employment at the gate” to prevent loitering
- Secure site to reduce safety risks
- Compile and implement comprehensive employee induction programme to cover land access protocols, fire management, HIV/ AIDS, community values, code of behaviour, alcohol and substance abuse
- Institute a system for receiving and addressing issues raised by neighboring land owners



# ASSESSMENT OF OTHER IMPACTS

<b>VISUAL IMPACT</b>	<b>MITIGATION</b>
Impact of power station and transmission lines Low Negative, with mitigation	Keep buildings low and use earth colours
Area is already visually developed, with existing weir, farms and recreational facilities (campsite) close by	Restrict construction yards and screen from view
Is a scenic area on the Orange River and near campsite area used for recreation	Use indigenous trees to screen infrastructure
Most impacts will occur in construction phase	
Transmission line visually linked to similar infrastructure	



# ASSESSMENT OF OTHER IMPACTS

## TRAFFIC

IMPACT	MITIGATION
<ul style="list-style-type: none"> <li>• Construction vehicles will use of the existing roads (N10, N8 and DR3040) – abnormal loads at times</li> <li>• Construction phase - low traffic volumes will access site on weekdays</li> <li>• Additional vehicles can result in accidents and/ or traffic congestion</li> <li>• Very Low Negative impacts with mitigation</li> <li>• Additional traffic very limited during operational phase</li> </ul>	<ul style="list-style-type: none"> <li>• Implement traffic control measures where necessary (consult local farmers)</li> <li>• Restrict number of trips</li> <li>• Adhere to the speed limit;</li> <li>• Ensure good sightlines at road junctions</li> <li>• Transport components overnight where possible</li> </ul>

## AGRICULTURE

IMPACT	MITIGATION
<ul style="list-style-type: none"> <li>• Boegoeberg Dam supplies agricultural canal with water for irrigation - agreed agricultural flow to canal would be maintained before any water any diversion of water</li> <li>• Proposed site on bank of river is outside of areas with agricultural potential</li> <li>• Limited footprint of new access road will have limited impact</li> <li>• Transmission route mostly follows existing road alignments – new routes are not through agriculturally productive areas</li> <li>• Water diverted from river for 250m - no impact on canal irrigation users downstream</li> </ul>	<ul style="list-style-type: none"> <li>• Initiate land rehabilitation and re-vegetation as soon as possible after disturbance</li> <li>• Keep clearing activities to a minimum</li> <li>• Implement soil erosion plan</li> </ul>





# ASSESSMENT OF OTHER IMPACTS

NOISE	
IMPACT	MITIGATION
<ul style="list-style-type: none"> <li>Noise sensitive receptors - residences on nearby farms and campsite on southern bank upstream of weir</li> <li>Rural baseline noise levels: average day and night-time noise levels of 45dBA and 35dBA respectively</li> <li>Potential noise from increased traffic, operation of heavy machinery and additional people during construction phase</li> <li>Operational noise from turbines, ventilation fans, generator, gearbox, turbine and transformers, with ~80dBA 1m from turbine hall</li> <li>With mitigation in place, noise levels should comply with SANS guideline at site boundaries</li> </ul>	<ul style="list-style-type: none"> <li>Restrict construction to daylight hours as far as possible</li> <li>Locate construction site yards away from sensitive areas</li> <li>Use acoustic shielding for noisy equipment</li> <li>Maintain vehicles and machinery, esp. intake and exhaust silencers</li> <li>Advise affected communities if loud noise (e.g. blasting) expected</li> <li>Ensure acoustic design of components so that generated noise does not exceed SANS 10103 levels of (LRdn) of 70dBA at project boundary</li> </ul>

DUST	
IMPACT	MITIGATION
<ul style="list-style-type: none"> <li>Traffic, esp. during construction and handling of topsoil and gravel for construction may generate dust</li> </ul>	<ul style="list-style-type: none"> <li>Ensure minimum travel distance between clearing area and topsoil piles</li> <li>Keep exposed areas moist by spraying water during dry, windy periods</li> <li>Reshape all disturbed areas to their natural contours</li> <li>Rehabilitate disturbed areas with previously collected topsoil and replant indigenous species</li> </ul>

# IMPACT RATINGS

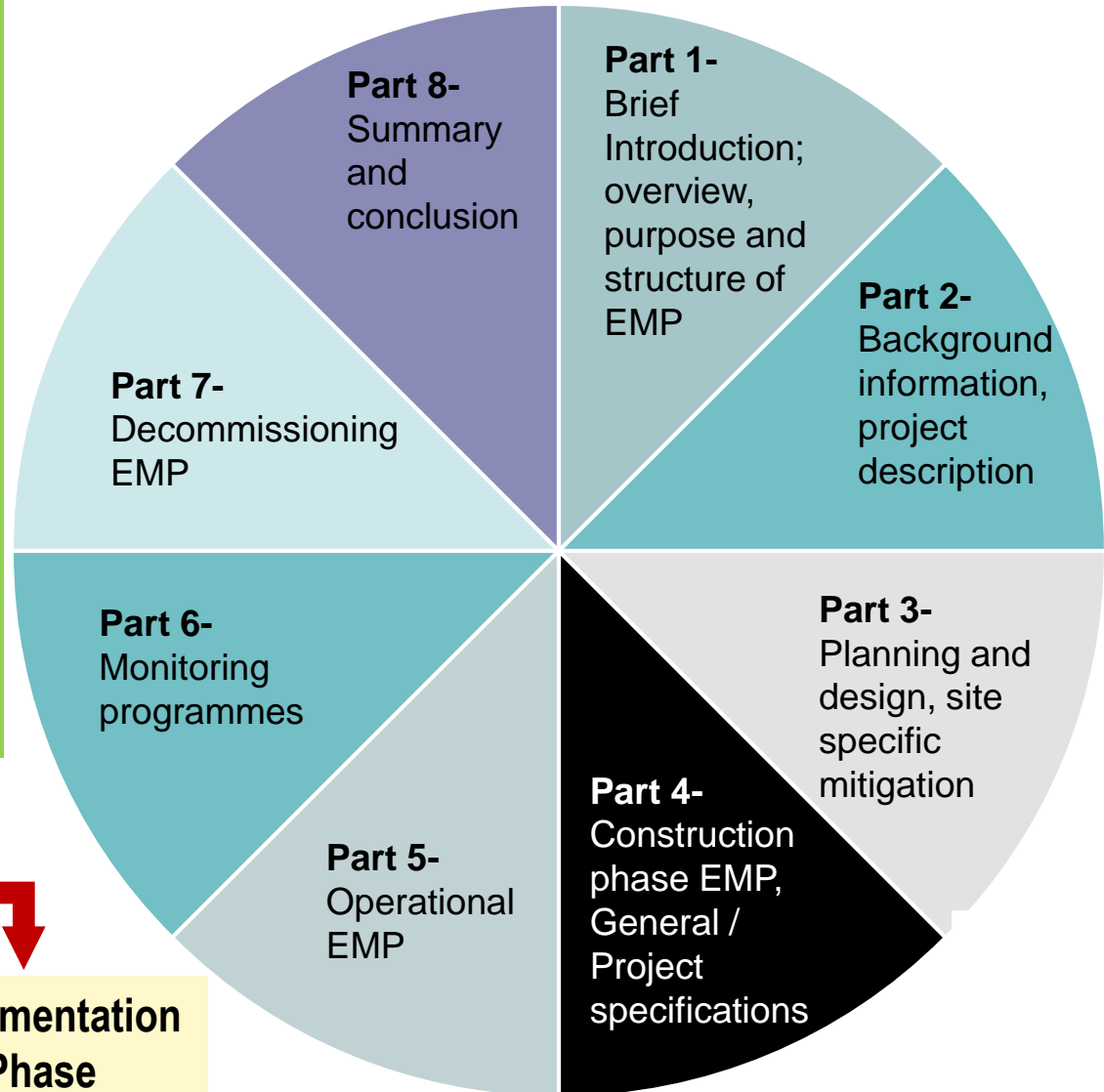
IMPACTS	PROJECT ASPECT	CONSTRUCTION		OPERATION		DECOMMISSIONING	
		No Mitigation	With Mitigation	No Mitigation	With Mitigation	No Mitigation	With Mitigation
Impact on flora	Layout (canal)	Medium (-)	Medium (-)	Low (-)	Low (-)	Low (-)	Low (-)
	Layout (tunnel)	Low-Medium (-)	Low-Medium (-)	Low (-)	Low (-)	Low (-)	Low (-)
	Access Road	Low (-)	Low (-)	Low (-)	Low (-)	Low (-)	Low (-)
	Transmission lines (both alt)	Medium (-)	Low (-)	Low (-)	Low (-)	Low (-)	Low (-)
	Construction site	Medium (-)	Low (-)	Low (-)	Low (-)	Low (-)	Low (-)
	No- Go	Low (-)	-	Low (-)	-	Low (-)	-
Impact on avifauna	Layout Alts	Low-Medium (-)	Low (-)	Low-Medium (-)	Low (-)	Low-Medium (-)	Low (-)
	Transmission 1 and 2 habitat loss and disturbance	Low (-)	Very Low (-)	Low-Medium (-)	Low (-)	Medium (-)	Medium-Low (-)
	Transmission 1 and 2 Mortality			High (-)	Low-Medium (-)		
Impact on fauna	Layout & Transmission (all alternatives)	Low (-)	Very low (-)	Low (-)	Low (-)	Low (-)	
Impact on Agriculture	Layout Alt	Low (-)	Very Low (-)	Very low (-)	Very low (-)	Very Low (-)	
	Transmission lines & Access roads	Low (-)	Low (-)	Very low (-)	Very low (-)		
Aquatic Ecology	Layout (all alternatives)	Medium (-)	Low (-)	Medium (-)	Low (-)	Low (-)	Very low (-)
	Transmission corridors, roads and pipeline	Low (-)	Very low (-)			Very low (-)	Very low (-)
Palaeontology	Layout Alt.1 and 2	Low (-)	Low (-)				
	Transmission lines	Low (-)	Low (-)				
Visual impacts	Layout (All Alt)	Low (-)	Low (-)	Low (-)	Low (-)	Low (-)	Low (-)
	Transmission (All alt)	Low (-)	Low (-)	Low (-)	Low (-)	Low (-)	Low (-)
Impact on traffic	Layout Alt.1 and 2	Low (-)	Very Low (-)	Very Low (-)	Very Low (-)	Low (-)	Very Low (-)

# IMPACT RATINGS

IMPACTS	PROJECT ASPECT	Construction		Operation		Decommissioning	
		No Mitigation	With Mitigation	No Mitigation	With Mitigation	No Mitigation	With Mitigation
Impact on heritage	Layout archaeology	Medium (-)	Low (-)				
	Layout graves	High (-)	Low (-)				
	Transmission archaeology	Low (-)	Low (-)				
	Transmission graves	Low (-)	Low (-)				
	Roads archaeology	Medium (-)	Low (-)				
	Roads graves	High (-)	Low (-)				
	No- Go	Very low (-)	Very low (-)				
Social impacts	Layout All alternatives Direct employment and skills development; Economic Multiplier Effects	Low (+)	Low (+)	Low (+)	Low (+)		
	Layout All alternatives Additional workers on site	Low (-)	Very Low (-)				
	Layout All alternatives Landowner revenue Diversification of the local economy			Low (+)	Low (+)		
Impact on Energy production	Layout Alt. 1 and 2			Low (+)	Low (+)		

# OVERVIEW OF ENVIRONMENTAL MANAGEMENT PLAN (EMP)

- Incorporates specialist recommended mitigation measures to ensure optimal environmental protection through out the project lifecycle i.e. construction, operation and decommissioning.
- Is a framework EMP detailing actions required and additional plans required once design is finalised.
- Provides general and project specific specifications to manage all environmental aspects and monitors the projects planned implementation
- EMP will be submitted to DEA for consideration



Planning Phase

EMP

Implementation Phase

# WAY FORWARD

## WAY FORWARD

- ❖ Complete EIA meetings
- ❖ Notification of Final EIA Report out for comment from 3 March until 25 March 2014
- ❖ Submit Final EIA Report to DEA for decision-making
- ❖ Notify I&APs of decision by DEA



**You can register on the database and/or download the full EIA Report from the following website:**

[www.aurecongroup.com](http://www.aurecongroup.com) (change “Current Location” to “South Africa” and follow the “Public Participation” link)

### Contact details:

### Aurecon

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Fax: 044 805 5454		Fax: 021 526 9500
Email:		diane.erasmus@aurecongroup.com simon.clark@aurecongroup.com

# PROJECT CONTEXT

## REGIONAL POWER SUPPLY - THE SOUTHERN AFRICAN POWER POOL (SAPP)

- SAPP created to provide reliable and economical electricity to SAPP countries
- Namibia and South Africa are members of SAPP
- SAPP countries currently experiencing severe congestion and generation shortfalls along with growing demand
- Electricity from proposed project would supply Namibian grid with estimated 10% of total power needs

## THE NEED FOR RENEWABLES IN THE POWER GENERATION SUPPLY MIX

- Renewables provide energy in affordable and secure manner, without many of negative impacts associated with coal-fired power stations (Greenhouse Gases)
- Most renewables are intermittent and are not always available or predictable
- Using diverse renewable supply mix to produce electricity covers periods when various sources are not available to meet regular supply demands
- Hydropower facilities are base load plants used to meet some or all of region's continuous energy demand, and produce energy at a constant rate

# PROJECT CONTEXT

## RUN-OF-RIVER (ROR) HYDROPOWER

- ROR facilities use natural flow of river and have little or no reservoir capacity for water storage
- ROR hydropower electricity is generated by diverting portion of river flow through an intake structure
- Water is conveyed through turbines that convert water's kinetic energy via generator into electrical energy
- Water flows out of power station and returns to river through tailrace
- ROR hydropower stations are non consumptive and do not require large dam walls and flooding of areas, as with large hydropower stations
- Flow is diverted over and above that needed in river for ecological functioning
- Much smaller footprint than conventional hydropower stations
- Have no greenhouse gas or other air emissions in operations
- Displaces energy produced by polluting (oil, coal) sources



- Potential energy at any ROR hydro site on a river results from head and volume of water flow of water
- “Head” is created by drop in elevation in a river, at for example at a waterfall
- Feasible ROR hydro power sites need:
  - Site along river with a predictable high flow
  - Site where there is a good difference in elevation (head)
- Orange Falls is the only feasible ROR hydro site on the Orange River to increase NamPower's capacity



**PROPOSED HYDROPOWER STATION AND ASSOCIATED INFRASTRUCTURE AT  
BOEGOEBERG DAM ON THE ORANGE RIVER, NEAR GROBLERSHOOP, NORTHERN CAPE:**

**Meeting Attendance Register**

NAME	ORGANISATION	POSTAL ADDRESS	EMAIL ADDRESS	CONTACT NUMBER	SIGNATURE
Shawn Johnston	Sustainable Futures ZA	P.O. Box 749 Rondebosch 7701	swjohnston@ mweb.co.za.	083 325 9965 021 599 1069 086 510 2537	
GERALD MASHEGO	HEALTH	District Health Meyerton	N.G MASHEGO nmashego@ucpp. gov.za.	054 5370600 0835707640	
CHRIS SEEMA	HEALTH	43 MARK STREET Dept of Health Meyerton	chris.seema@ gmail.com	054 3370600 0712018155	
D. L. Mkhosi C. M.	PEER Africa Lkhwis Music	17107 Side Gctsi St Kimberley	ireecod@gmail.com	0825796037	
S. Clark	Aurecon	P.O. Box 484 Cape Town 8000	simon.clark@ aurecongroup.com	084 614 7800	
Diane ERASMUS	Aurecon	"	diane.erasmus@ aurecongroup.com	083 3086755	





**PROPOSED HYDROPOWER STATION AND ASSOCIATED INFRASTRUCTURE AT  
BOEGOEBERG DAM ON THE ORANGE RIVER, NEAR GROBLERSHOOP, NORTHERN CAPE:  
BOEGOEBERG PUBLIC MEETING**

**Meeting Attendance Register**

**Date** 10 February 2014      **Venue** Boegoeberg Community Hall, School Street      **Time** 16h00 – 19h00

NAME	ORGANISATION	POSTAL ADDRESS	EMAIL ADDRESS	CONTACT NUMBER	SIGNATURE
Shawn Johnston	Sustainable Futures ZA	P.O. Box 749 Rondebosch 7701	swjohnston@ mweb.co.za	0833259965	
Smith Andre	BWUA	PO BOX 15 Groblershoop	ceo@boegoebergwater. co.za	0731607505	
Koos Eggen	BWUA	Postbus 142 Groblershoop 8850	koosensand@gmail .com	0731407811	
Niel Theron	Hydro SA	PO Box 25 Cape Town 2 Interim Pier	niel@hydro-sa.co.za	0825666655	
	BWUA	Bus 18 G/Hoop	0825780900@ Vodacom.co.za	0825780900	
GERT HESSELMANN	GROOTWILG	POSTBUS 116 GHP 8850	0827875318 @VODAMAIL.CO ZA	0827875318	



**PROPOSED HYDROPOWER STATION AND ASSOCIATED INFRASTRUCTURE AT  
BOEGOEBERG DAM ON THE ORANGE RIVER, NEAR GROBLERSHOOP, NORTHERN CAPE:  
BOEGOEBERG PUBLIC MEETING**

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**Date** 10 February 2014      **Venue** Boegoeberg Community Hall, School Street      **Time** 16h00 – 19h00

NAME	ORGANISATION	POSTAL ADDRESS	EMAIL ADDRESS	CONTACT NUMBER	SIGNATURE
Malcolm Green	Hydro Tasmania	Level 3, ExecuJet Business Centre Tower Hill, Cape Town International Airport 7525	malcolm.green@hydro.com.au		
W. J. J. Breyer	Byna Bo. Landbouer		wjbj@netnet.net	0833037762	
J. COETZER	Byna. Bo. Landbouer		jc.55@ovi.com	0825774981	
S. DEKEIZER	HYDRO TASMANIA	LVL3, EXECJET BUSINESS CENTRE, TOWER RD, CAPE TOWN	scott.dekeizer@hydro.com.au	0796413461	
D.S. FOURIE Bernie Burger	BOER BOER (U&S Konin)	BUS III GROBLERSHOOP 8850	CAITZ.michelle@gmail.com	083 484 8832 082 330 5524	
Joseph Silo	ANC Chairperson	Boegoeberg Location Na 9	—	0730151756	
HENSLIK KOCK M. Pantros	INWONER WYKS LID	BOEGOEBERG BOEGOEBERG	—	0610908075 0844759763	

# aurecon


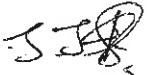
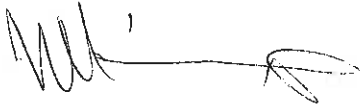
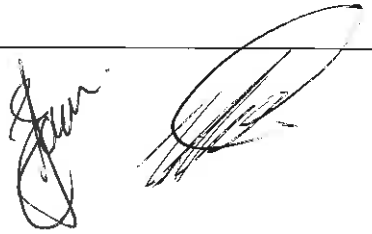


## PROPOSED HYDROPOWER STATION AND ASSOCIATED INFRASTRUCTURE AT BOEGOEBERG DAM ON THE ORANGE RIVER, NEAR GROBLERSHOOP, NORTHERN CAPE: BOEGOEBERG PUBLIC MEETING

### Meeting Attendance Register

Date  
10 February 2014

Venue  
Boegoeberg Community Hall, School Street

Time  
16h00 – 19h00

NAME	ORGANISATION	POSTAL ADDRESS	EMAIL ADDRESS	CONTACT NUMBER	SIGNATURE
DAMIE GROBLER.	WORKFORCE STAFFING.		damieg@workforce.co.za.	0836418029.	
S.J. GREENLAMP	Waterwise	Box 248 Groblershoop 8850		0834864168	
MICOLAAS	FNH CONSTRUCTIONS AND PROJECTS	1111 FIKER BOOMSTR BOEGOEBERG	FNH PROJECTS MEW&P, CO., ZA	082 646 6018	
Lourens en John Faurie	Okkepeerdus Trans Boepe Kamp en bewoners by Dam.	Postbus 177 Groblershoop 8850	transboepe@u gmail.com	078 561 43 70 0835007180	
Andre Kruger.	Afifaadun & Boegoeberg Bome Vereniging		GROBRUE & MAIL.com - 084-363-8461 KRUGERANDRE@u mail.com.		
WILCO FAURIE	GROBLERSHOOP BOEREVERENIGING ORANJERIVER LANDBOU UME	Postbus 52 GROBLERSHOOP 8850	wilcofaurie@gmail.com orlu@isat.co.za	0827896207	



PROPOSED HYDROPOWER STATION AND ASSOCIATED INFRASTRUCTURE AT  
BOEGOEBERG DAM ON THE ORANGE RIVER, NEAR GROBLERSHOOP, NORTHERN CAPE:

Meeting Attendance Register

NAME	ORGANISATION	POSTAL ADDRESS	EMAIL ADDRESS	CONTACT NUMBER	SIGNATURE
AJ Scheepers	WetKs Kommissie Lid	Boegoeberg		0780723734	
C. Fischer		Boegoeberg		0749759220	
Sara Bostander	==	Draculboom			X
Lena Links		Boegoeberg			C. Links
Fiena Links		Boegoeberg			F. Links

**PROPOSED HYDROPOWER STATION AND ASSOCIATED INFRASTRUCTURE AT  
BOEGOEBERG DAM ON THE ORANGE RIVER, NEAR GROBLERSHOOP, NORTHERN  
CAPE (DEA Ref: 14/12/16/3/3/2/568)**

**NOTES FROM THE FOCUS GROUP MEETING WITH !KHEIS MUNICIPALITY**

**Date: Monday, 10 February 2014**

**Venue: !Kheis Municipality, Groblershoop**

**Time: 10h00-12h00**

<b>ATTENDEES</b>	
Teresa Scheepers (!Kheis Municipal Manager)	TS
Gerald Mashego (District Department of Health)	GM
Chris Seema (District Department of Health)	CS
D Mothusi Guy (Peer Africa)	DMG
Mercia Grimbek (HydroSA)	MG
Shawn Johnson (Sustainable Futures)	SJ
Diane Erasmus (Aurecon)	DE
Simon Clark (Aurecon)	SC
<b>INTRODUCTION</b>	
<p>DE welcomed all to the meeting and explained that the purpose of the meeting was to clarify uncertainties, to provide a better understanding of the proposed project, to allow for the municipal representatives to raise their concerns about the project, and to discuss how these concerns should be dealt with. All attendees agreed on the purpose of the meeting.</p>	
<b>DISCUSSIONS FOR WAY FORWARD</b>	
<ol style="list-style-type: none"> <li>1. DE presented the purpose of the EIA process.</li> <li>2. MG presented the proposed project.</li> <li>3. TS thanked all for coming to present the proposed project and discuss it in more detail.</li> <li>4. TS also stated that problems have been experienced with other projects in the area, specifically with the community, and, therefore, the Health Department representatives had been invited to take part to discuss issues and concerns relating to this.</li> <li>5. MG stated that it was anticipated that a maximum of 200 people would be required at the peak period for construction and that local content expenditure would be approximately 80% of procurement. This information and data are audited under an intensive IPP program process.</li> <li>6. MG stated that an Environmental Control Officer would be appointed to manage the environmental aspects at the project site.</li> <li>7. MG stated that skills transfer from their partners Hydro Tasmania would be undertaken.</li> <li>8. MG stated that an independent socio-economic study would be undertaken as part of the IPP program and that they would work with ward councillors and the municipality.</li> </ol>	

<p>9. MG stated HydroSA would work with the municipality to create a job hub and confirm construction rate minimums.</p> <p>10. TS stated that most of the jobs are civil intensive and asked how many jobs would be created and for what period.</p> <p>11. MG stated it was difficult to determine at this point as surveys are to be completed but it was anticipated that a minimum of 30 people would be required on initiation.</p> <p>12. TS stated that the concern was imported labour, which would affect the local community through social influences, HIV, tuberculosis, and specifically, pregnancy, further stressing health care in the area.</p> <p>13. MG stated the socio-economic study would provide a labour forecast detailing jobs that can be sourced directly from the local community.</p> <p>14. TS requested an overview of the type of skills training they should be providing to the community to ensure they would be ready for the future development.</p> <p>15. MG stated that those students who showed good maths and science acumen could work as “shadows” to the project engineers.</p> <p>16. TS stated the municipality wanted to provide the relevant skills training and they need to undertake this proactively to be ready in the next 18 months.</p> <p>17. MG stated they are looking for star pupils for roles in health and safety, electrical works, etc.</p> <p>18. TS stated that primary health care was their main concern from the influx of external labour.</p> <p>19. MG said that a plan would be drafted to manage socials issues associated with the development.</p> <p>20. MG further stated that a community fund as part of the IPP contract is required and that they would work closely with the municipality on how to create opportunities for the community as to where the funds could go to provide clinics, schools, etc.</p> <p>21. DMG asked about Eskom’s role in the project.</p> <p>22. MG stated that Eskom’s role is only for grid access and that the IPP is paid from the national treasury directly.</p> <p>23. DMG asked if the land for the transmission line is privately owned.</p> <p>24. MG stated this is correct.</p> <p>25. MG asked whether the various representatives would like to see the Neus site to better understand the project.</p> <p>26. TS stated they would be busy with a film crew for a community project that was being undertaken and would inform HydroSA of their availability.</p> <p>27. TS asked if flooding has been taken into account.</p> <p>28. MG stated that the plant is designed to withstand a 1 in 1000 year flood and that the entire facility would be shut down in the event of an extreme flood. TS asked how much power would be generated.</p> <p>29. MG stated 11MW would be generated which would supply approximately 5000 households per year (this is equivalent to a 75M W solar plant as it is base load).</p> <p>30. TS asked whether they would be applying for carbon credits.</p> <p>31. MG stated they would not as it is not how they finance their projects (also, it is a rather complex process).</p> <p>32. TS asked if the municipality could apply for these credits.</p> <p>33. MG stated that they would discuss this possibility with the municipality but this would be outside of the EIA process.</p>	
<b>CLOSURE</b>	
DE thanked all attendees and the meeting closed.	

The presentation, posters and registers provided are included in **Annexure B**.

**PROPOSED HYDROPOWER STATION AND ASSOCIATED INFRASTRUCTURE AT  
BOEGOEBERG DAM ON THE ORANGE RIVER, NEAR GROBLERSHOOP, NORTHERN  
CAPE (DEA Ref: 14/12/16/3/3/2/568)**

**NOTES FROM THE BOEGOEBERG PUBLIC INFORMATION SESSION**

**Date: Monday, 10 February 2014**

**Venue: Boegoeberg Community Hall, Boegoeberg**

**Time: 17h00-19h00**

<b>ATTENDEES WHO COMMENTED<sup>1</sup></b>	
Pieter Kotze (Chairman BWUA)	PK
Andre Smith (BWUA)	AS
Andre Kruger (Afriforum & Boegoeberg Boere Vereeniging)	AK
Elzahn Fourie (Trans Boegoeberg Kamp/occupier of the land)	EF
David Fourie (Landowner in area)	DF
Gert Hesselman (BWUA)	GH
Susarie Geldenhuys (Landowner in area)	SG
Niel Theron (HydroSA)	NT
Mercia Grimbek (HydroSA)	MG
Shawn Johnson (Sustainable Futures)	SJ
Diane Erasmus (Aurecon)	DE
<b>INTRODUCTION</b>	
DE welcomed all to the meeting and explained that the purpose of the meeting is to clarify uncertainties, get a better understanding of the proposed project, for the public to raise their concerns about the project, and to discuss how these concerns should be handled. All attendees agreed on the purpose of the meeting. The presentation of the EIA findings was in English, but there was translation into Afrikaans of aspects requiring clarification. The presentation of the project details was in Afrikaans.	
<b>DISCUSSIONS FOR WAY FORWARD</b>	<b>ACTION</b>
<ol style="list-style-type: none"> <li>PK stated that no correspondence or notification to the chairman or (of?) the BWUA was received.</li> <li>PK stated that road conditions would deteriorate due to increased use by construction vehicles and wished to know how it was planned to maintain the roads to their current status, or better.</li> <li>PK asked how closing the sluices in the dam would impact on fish migration from</li> </ol>	<ol style="list-style-type: none"> <li>The BWUA is now registered.</li> <li>Boegoeberg Hydroelectric to discuss how maintenance should be handled.</li> <li>3&amp;5. Aquatic</li> </ol>

<sup>1</sup> The full list of attendees is attached as **Annexure B**.

<p>upstream to downstream.</p> <p>4. AS asked if the DOE requirements for economic development will be provided to everyone.</p> <p>5. AK asked what the impact of the magnetic effect of the transmission line would be on the aquatic ecology where it crosses (the river/dam?).</p> <p>6. AK stated that there are many fish eagles that have been sighted in the area and wanted to know the direct impact on them.</p> <p>7. AK questioned how much sand would pass through the turbines and be deposited at the tailrace?</p> <p>8. NT indicated that a study with regard to sedimentation is currently underway.</p> <p>9. AK asked how materials (reeds, branches) carried down with high flows and deposited would be handled.</p> <p>10. NT stated that the intake structure comprised of trash racks that prevent materials from entering the power chamber and that HydroSA agreed to undertake routine clearing of them.</p> <p>11. AK asked where the materials would be dumped.</p> <p>12. NT stated they are busy looking at these issues.</p> <p>13. AK asked if the water would still flow over the weir.</p> <p>14. NT stated this was correct and that when flows were below a certain point, especially when water did not flow over the crest, the power station would not operate ( according to the current energy model).</p> <p>15. NT also stated that there would be periods when the turbines would not be operational based on available flows, i.e. low flow periods.</p> <p>16. AK asked how stormwater would be managed from heavy rains.</p> <p>17. MG stated that a stormwater management plan would be put in place.</p> <p>18. SH requested that guarantees be provided in writing that the developer undertake maintenance to access roads due to the increase in traffic.</p> <p>19. AK asked what the construction period is expected to be.</p> <p>20. NT stated that it would take 24 months to construct but, once operational, would be an unattended plant and would only require low maintenance to clean the trash racks and to check alarms.</p> <p>21. AK asked who does this maintenance.</p> <p>22. NT stated that maintenance on the plant would be undertaken by HydroSA and Eskom would maintain the transmission component.</p> <p>23. AK stated that Mr Fourie of TransBoegoe 4x4 camp occupied the land and indicated that the stated owner of the land was incorrect in the EIA documentation.</p> <p>24. AK asked what would be the visual impacts on tourism</p> <p>25. EF stated that Boegoe vegetation was unique and only grew on this koppie and asked what rehabilitation would be undertaken.</p> <p>26. EF stated that the trees on the banks which would be removed for the offtake structure were 100 years old and asked how they would be removed.</p> <p>27. EF asked where the construction workers would be housed.</p> <p>28. DE indicated the location of the construction camp for the proposed housing.</p> <p>29. EF asked what the impact would be on their tourism as many people fish and camp where the proposed construction of the offtake, canal and fences are proposed to be located.</p> <p>30. EF wanted to know the impact on them as their house would be lost to construction.</p> <p>31. EF also stated they were never notified of the EIA.</p>	<p>specialist will comment.</p> <p>4. Economic Development is part of DOE's IPP and not part of the EIA.</p> <p>6. Avifaunal specialist to comment.</p> <p>7. Sedimentation report. Maintenance plan.</p> <p>11. To include in EMPr (disposal).</p> <p>18. Boegoeberg Hydroelectric to discuss.</p> <p>24. There will be a visual impact close to the dam, especially during the construction phase. This has been assessed in the EIR.</p> <p>25&amp;26. Botanical specialist will comment.</p> <p>29. FEIAR to address this.</p>
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<p>32. GH stated that the dam and sluices are very old and asked for guarantees that construction activities and new infrastructure would not affect the structural integrity of the dam.</p> <p>33. KE asked when construction is anticipated to start.</p> <p>34. NT responded that the anticipated date is July 2015.</p> <p>35. JV asked whether the proposed project would exacerbate existing problems experienced with increased water use in the area, and water becoming scarcer.</p> <p>36. NT stated that the proposed project does not consume any water as it is all returned to the river.</p> <p>37. NT further stated that there is a Permanent Water Commission which plans to increase water in the river to meet international obligations through increasing releases from dams upstream.</p> <p>38. DF stated that the attendees at a recent meeting of the Road Users Union in Kimberley were unaware of the proposal.</p> <p>39. SG said that the botanical specialist had spent considerable time during the site visit identifying the vegetation around the site that is to be protected.</p> <p>40. SG stated that Lourens Fourie was not the landowner and the 4X4 tracks in the Boegoeberg area had been closed.</p> <p>41. SG also stated that the roads to the farm were maintained through the collaboration of neighbouring farmers.</p>	<p>32. Boegoeberg Hydroelectric to discuss.</p> <p>38. Aurecon to Register Kimberley Road Users Union.</p>
<b>CLOSURE</b>	
<p>DE thanked all attendees and the meeting closed.</p>	

The presentation, posters and registers provided are included in **Annexure B**.

**PROPOSED HYDROPOWER STATION AND ASSOCIATED INFRASTRUCTURE AT  
BOEGOEBERG DAM ON THE ORANGE RIVER, NEAR GROBLERSHOOP, NORTHERN  
CAPE (DEA Ref: 14/12/16/3/3/2/568)**

**NOTES FROM FOCUS GROUP MEETING WITH BOEGOEBERG WATER USERS  
ASSOCIATION (BWUA)**

**Date: Monday, 10 February 2014**

**Venue: Boegoeberg Community Hall, Boegoeberg**

**Time: 15h00-16h00**

ATTENDEES WHO COMMENTED <sup>1</sup>	
Pieter Kotze (Chairman BWUA)	PK
Andre Smith (BWUA)	AS
Koos Esaic (BWUA)	KE
Wilco Fourie (Groblershoop Boere Vereenging & Oranjerivier Landbou Ume)	WF
Niel Theron (HydroSA)	NT
Mercia Grimbek (HydroSA)	MGr
Malcolm Green (Hydro Tasmania)	MG
Shawn Johnson (Sustainable futures)	SJ
Diane Erasmus (Aurecon)	DE
INTRODUCTION	
<p>DE welcomed all to the meeting and explained that the purpose of the meeting is to clarify uncertainties, get a better understanding of the proposed project, for the municipality representatives to raise their concerns of the project, and also how these concerns should be dealt with. All attendees agreed on the purpose of the meeting.</p>	
DISCUSSIONS FOR WAY FORWARD	ACTION
<ol style="list-style-type: none"> <li>1. DE presented the purpose of the EIA process in English.</li> <li>2. NT presented the proposed project in Afrikaans.</li> <li>3. AS stated they would be recording the meeting and noted that he was on the Water Board but PK was the Chairman of the Boegoeberg Water Users Association (BWUA).</li> <li>4. KE asked what Environmental Flow Reserve (EFR) is required to maintain aquatic integrity.</li> <li>5. KE asked what flows the hydropower facility requires to operate.</li> <li>6. NT explained that the facility was designed for a flow rate of 120m/s but that the</li> </ol>	

<sup>1</sup> The full list of attendees is attached as **Annexure B**.

<p>flow rates changed through the seasons and that each of the two proposed turbines would require half of the design flow i.e 60m/s. The turbines could start operating at 40% of the design flow requirements, similar to that of the Neus hydroelectric project.</p> <p>7. NT stated that Neus was designed with three turbines and each turbine could start at approximately 12m/s and Boegoeberg would require slightly more as it would comprise of only two turbines.</p> <p>8. KE asked if the two turbines proposed are to be larger than those at Neus.</p> <p>9. NT stated that the turbines would be approximately the same size as those at Neus and it would be the components in the turbines that actually provide more power.</p> <p>10. KE asked how the flows of the river are determined.</p> <p>11. NT said that HydroSA take historical data i.e. readings from multiple DWA gauging points along the Orange and Vaal rivers over the last 14 years to determine the flows used to inform design.</p> <p>12. KE questioned the accuracy of these readings.</p> <p>13. NT explained that the proposed project has been designed in such a way that the BWUA agricultural canal will always receive water. The outtake point for the agricultural canal is lower than the proposed intake for the power station and as such water to the agricultural canal will be prioritised.</p> <p>14. NT further stated that DWA requires that electronic readings from sensors on the dams crest be relayed to them to monitor the levels and that this information can also be sent to the BWUA to monitor.</p> <p>15. NT stated that the Banks who would fund the project would have their own expert engineers to verify the flows to ensure that the proposed operation is financially viable.</p> <p>16. PK asked what happens in the case of floods.</p> <p>17. NT stated that power station is designed to withstand up to 1:1000 year floods.</p> <p>18. WF stated that the Economic Development requirements should extend further than the 50km stipulated as part of the IPP programme as the canal services, water users for its entire length (120km) and economic benefits should extend to all.</p> <p>19. MGr stated the 50km radius was a DOE recommendation and did allow for special conditions and that an in-depth study is to be undertaken separately with the community of the area and those on the canal.</p> <p>20. PK stated that he still had not received minutes of the meeting held between DWA, BWUA and HydroSA from August last year.</p> <p>21. MG (Hydro Tasmania) replied stating that the minutes had been provided to DWA to distribute to BWUA.</p> <p>22. PK stated that none of the BWUA were notified of the proposed project and that they should have been the first ones notified.</p> <p>23. PK stated that many of the BWUA committee could not make the meeting as they were busy with harvesting and that Boegoeberg Hall was a long way for everyone to come to. PK requested that another meeting be held at a more convenient place i.e. the Agricultural co-op 80km away, to allow for everyone to attend.</p> <p>24. PK stated that the minutes from the meeting held with BWUA, DWA and HydroSA from 8 August 2013 were never distributed.</p> <p>25. MG (Hydro Tasmania) confirmed he would follow up with the DWA representative to whom the minutes were provided to as to why they were not</p>	<p>19. HydroSA to undertake socio-economic study.</p> <p>23. Plan meetings with BWUA at a convenient location.</p> <p>24. MG (Hydro Tasmania) to follow up with DWA and provide a copy</p>
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<p>distributed with a copy. He committed to ensuring that the BWUA received a copy.</p> <p>26. PK asked for a detailed explanation of how dredging would be undertaken. He stated that they did not know how it would work and he believed it would not work. Based on this, he stated that the operating sluices that currently scour sediment must remain open.</p> <p>27. NT stated they are currently busy with a Sediment Report which would contain the methodology and that would then dictate the pump that would be used. This would be provided to BWUA. The sediment samples results would also have to be sent to DWA and DEA, who would have to confirm it would be acceptable to dredge.</p> <p>28. PK stated that sluices currently scour at 30m/s and wanted to know how much sediment would be formed if the sluice gates were closed. He requested a study be done. Further to this, he wanted a test to be conducted to see the effect of lowering the level of water on the dam wall by 750mm of its capacity and then draw back once full to show the change in flow to the agricultural canal.</p> <p>29. PK also wanted to know the flow in the canal. He emphasised his concern regarding dredging operations. He further stated that the BWUA would not allow the sluices to be closed until the effectiveness of the proposed dredging operations could be proved, along with the electronic gauging systems. It was emphasised that they wish to be informed about the project consistently. The BWUA needed proof that all proposed systems would work, and would be implemented and that he stated they would not let the EIA go through until then.</p> <p>30. NT stated that all concerns would be addressed and that HydroSA would work closely with BWUA as they would be in a long term relationship the BWUA.</p> <p>31. KE stated the problem is that the canal has a flow of 12m/s and the sluices scour at 30m/s to maintain the flow in the canal. This regime needs to be maintained.</p> <p>32. NT stated that the proposed dredging system would need to satisfy the requirements of DEA, DWA, and BWUA, and would be designed as such.</p> <p>33. MG (Hydro Tasmania) stated that DWA sets conditions in the license that HydroSA will be required to fulfil and if they do not adhere to the conditions they can forfeit the license. This acts as an assurance for the BWUA.</p> <p>34. PK stated the BWUA wants proof and guarantees that dredging will work and that there is a fail-safe system that moves the sand from in front of the sluice.</p> <p>35. NT stated that periodic maintenance of their intake would be done and that the maintenance crew would be available to help to maintain the canals inlets and ensure these are cleaned.</p> <p>36. WF stated that he wants to register Agriforum, Boegoeberg, Groblershoop Boere Vereenging and Oranjerivier Landbou Unie on the EIA I&amp;AP register.</p> <p>37. PK stated they would also like a direct meeting between BWUA, HydroSA and Aurecon in this window period and that the minutes of this meeting be forwarded to him for his consideration.</p>	<p>of minutes.</p> <p>26. Provide detailed methodology on dredging to BWUA.</p> <p>27. Aurecon to communicate directly and provide information on proposed flow monitoring and dredging.</p> <p>28. Boegoeberg Hydroelectric to discuss with BWUA.</p> <p>29. Boegoeberg Hydroelectric to provide BWUA proof and guarantees Aurecon to register</p>
<b>CLOSURE</b>	
<p>DE thanked all attendees and the meeting closed.</p>	

The presentation, posters and registers provided are included in **Annexure B**.

6 March 2013

Email: [simon.clark@aurecongroup.com](mailto:simon.clark@aurecongroup.com)

Department of Environmental Affairs and Nature Conservation  
Sasko Building  
90 Long Street  
Kimberley  
8301  
Attention: Ms A Yaphi

Dear Ms Yaphi

**PROPOSED HYDROPOWER STATION AND ASSOCIATED INFRASTRUCTURE AT BOEGOEBERG DAM ON THE  
ORANGE RIVER, NEAR GROBLERSHOOP, NORTHERN CAPE:**

**DENC CONFIRMATION ACTIVITIES APPLIED FOR UNDER GNR 546 APPLIES**

DEA Ref: 14/12/16/3/3/2/568; NEAS Ref: DEA/EIA/TBA

Our previous correspondence, dated 2 December 2013, regarding the comment period on the Draft Environmental Impact assessment Report (EIR) for the above-mentioned project has reference.

Please note that the National Department of Environmental Affairs requires written comment from the provincial Department of Environmental Affairs (DENC) indicating that the activities applied for under GNR 546 applies. Please confirm the following listed activities apply:

**GN No. R546, 18 June 2010**

4	<p><b>The construction of a road wider than 4 metres with a reserve less than 13,5 metres.</b></p> <p>(a) In Eastern Cape, Free State, KwaZulu-Natal, Limpopo, Mpumalanga and Northern Cape provinces:</p> <p>i. In an estuary;</p> <p>ii. <b>Outside urban areas, in:</b></p> <p>(aa) A protected area identified in terms of NEMPAA, excluding conservancies;</p> <p>(bb) National Protected Area Expansion Strategy Focus areas;</p> <p>(cc) <b>Sensitive areas as identified in an environmental management framework as contemplated in chapter 5 of the Act and as adopted by the competent authority;</b></p> <p>(dd) Sites or areas identified in terms of an International Convention;</p> <p>(ee) Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans;</p> <p>(ff) Core areas in biosphere reserves;</p> <p>(gg) Areas within 10 kilometres from national parks</p>	<p><b>Access roads to the hydropower station would be approximately 6 m in width.</b></p>
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or world heritage sites or 5 kilometres from any other protected area identified in terms of NEMPAA or from the core areas of a biosphere reserve;

(hh) Areas seawards of the development setback line or within 1 kilometre from the high-water mark of the sea if no such development setback line is determined.

iii. In urban areas:

(aa) Areas zoned for use as public open space;

(bb) Areas designated for conservation use in Spatial Development Frameworks adopted by the competent authority or zoned for a conservation purpose;

(cc) seawards of the development setback line or within urban protected areas.

13	<p><b>The clearance of an area of 1 hectare or more of vegetation where 75% or more of the vegetative cover constitutes indigenous vegetation, except where such removal of vegetation is required for:</b></p> <p>(1) the undertaking of a linear activity falling below the thresholds mentioned in Listing Notice 1 in terms of GN No. 544 of 2010.</p> <p><b>Northern Cape and Western Cape:</b></p> <p>i. In an estuary;</p> <p><b>ii. Outside urban areas, the following:</b></p> <p>(aa) A protected area identified in terms of NEMPAA, excluding conservancies;</p> <p>(bb) National Protected Area Expansion Strategy Focus areas;</p> <p>(cc) <b>Sensitive areas as identified in an environmental management framework as contemplated in chapter 5 of the Act and as adopted by the competent authority;</b></p> <p>(dd) Sites or areas identified in terms of an International Convention;</p> <p>(ee) Core areas in biosphere reserves;</p> <p>(ff) Areas within 10 kilometres from national parks or world heritage sites or 5 kilometres from any other protected area identified in terms of NEMPAA or from the core area of a biosphere reserve;</p>	<p>The footprint of the proposed hydropower station would be greater than 1 hectare (ha) and would be located in a CBA.</p>
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	(gg) Areas seawards of the development setback line or within 1 kilometre from the high-water mark of the sea if no such development setback line is determined.	
14	<p>The clearance of an area of 5 hectares or more of vegetation where 75% or more of the vegetative cover constitutes indigenous vegetation, except where such removal of vegetation is required for:</p> <ul style="list-style-type: none"> <li>(a) purposes of agriculture or afforestation inside areas identified in spatial instruments adopted by the competent authority for agriculture or afforestation purposes;</li> <li>(b) the undertaking of a process or activity included in the list of waste management activities published in terms of section 19 of the National Environmental Management: Waste Act, 2008 (Act No. 59 of 2008) in which case the activity is regarded to be excluded from this list;</li> <li>(c) the undertaking of a linear activity falling below the thresholds in Notice 544 of 2010.</li> </ul>	The footprint of the proposed hydropower station could be greater than 5 ha and would be located in an area of at least 75 % indigenous vegetation.
16	<p>The construction of:</p> <ul style="list-style-type: none"> <li>i) jetties exceeding 10 square metres in size;</li> <li>ii) slipways exceeding 10 square metres in size;</li> <li>iii) buildings with a footprint exceeding 10 square metres in size; or</li> <li>iv) infrastructure covering 10 square metres or more</li> </ul> <p>where such construction occurs within a watercourse or within 32 metres of a watercourse, measured from the edge of a watercourse, excluding where such construction will occur behind the development setback line.</p>	The footprint of the proposed hydropower plant, which would be constructed within and adjacent to the Orange River, would be greater than 10 square metres.

Should you have any queries please do not hesitate to contact the undersigned.

Yours sincerely

AURECON  


**SIMON CLARK**  
Practitioner: Environment & Advisory Services



**DIANE ERASMUS** (Cert. EAP)  
Associate: Environment & Advisory Services





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14 March 2014

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Department of Environmental Affairs and Nature Conservation  
Sasko Building  
90 Long Street  
Kimberley  
8301  
Attention: Mr Dewald Badenhorst

Dear Mr Badenhorst

**PROPOSED HYDROPOWER STATION AND ASSOCIATED INFRASTRUCTURE AT  
BOEGEOBERG DAM ON THE ORANGE RIVER, NEAR GROBLERSHOOP, NORTHERN CAPE:**  
DEA Ref: 14/12/16/3/3/2/568; NEAS Ref: DEA/EIA/TBA

**URGENT COMMENT REQUIRED ON NATIONAL PROTECTED AREA EXPANSION STRATEGY  
FOCUS AREA**

Our previous correspondence with the Department, dated 6 March 2014, regarding the request for confirmation of activities applied for under GNR 546 for the above-mentioned project has reference.

It has become apparent that part of the abovementioned project would be located in a National Protected Area Expansion Strategy Focus Area (NPAES), namely the Gariep NPAES Focus area as identified on South African National Biodiversity Institute Biodiversity Geographical Information Systems website. However the facility itself and the majority of the associated infrastructure are not actually located in this focus area but rather adjacent thereto. Please refer to figures 1 and 2 that indicate the facility footprint and associated infrastructure within the Focus area.

The proposed development activities which would occur within the focus area consist of upgrading the existing access roads to 6m, a temporary construction site which occurs in an already disturbed area (Figure 3) and a transmission line with an associated track of 4m. Components of the proposed development and have been overlaid with the NPAES Focus area in Figures 1 and 2).

Furthermore the botanical specialist's findings concluded the overall impact on flora will be **Medium (-)** to **Low (-)**. The largest impact will be at the hydro-power site (which falls outside of the NPAES area) with the transmission line likely to have a **Low (-)** impact. Mitigation measures should be meaningfully applied, particularly in the post-construction phase. Such measures would reduce the impact of the hydropower plant on flora from **Medium (-)** to **Low (-)**. The following triggers were included in the initial application made to the Department of Environmental Affairs but additional detail has now been added to take cognisance of the NPAES focus area.

Below please see the triggered listed activities under GNR 546:

GN No. R546, 18 June 2010		
4	<p><b>The construction of a road wider than 4 metres with a reserve less than 13,5 metres.</b></p> <p>(a) In Eastern Cape, Free State, KwaZulu-Natal, Limpopo, Mpumalanga and Northern Cape provinces:</p> <p>i. In an estuary;</p> <p>ii. <b>Outside urban areas, in:</b></p> <p>(aa) A protected area identified in terms of NEMPAA, excluding conservancies;</p> <p>(bb) <b>National Protected Area Expansion Strategy Focus areas;</b></p>	<p><b>Access roads to the hydropower station would be upgraded to approximately 6 m in width and will be partly in a National Protected Area Expansion Strategy Focus area.</b></p>
13	<p><b>The clearance of an area of 1 hectare or more of vegetation where 75% or more of the vegetative cover constitutes indigenous vegetation, except where such removal of vegetation is required for:</b></p> <p>(1) the undertaking of a linear activity falling below the thresholds mentioned in Listing Notice 1 in terms of GN No. 544 of 2010.</p> <p><b>Northern Cape and Western Cape:</b></p> <p>i. In an estuary;</p> <p>ii. <b>Outside urban areas, the following:</b></p> <p>(aa) A protected area identified in terms of NEMPAA, excluding conservancies;</p> <p>(bb) <b>National Protected Area Expansion Strategy Focus areas;</b></p>	<p><b>The associated infrastructure i.e roads and transmission line, borrow pits, and construction site of the proposed hydropower station would be greater than 1 hectare (ha) and will be located in part of a National Protected Area Expansion Strategy Focus Area</b></p>

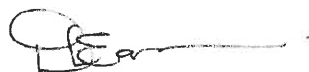
We trust this letter offers sufficient insight into the proposed project and its proximity within and adjacent to the NPAES focus area for the Department of Environmental Affairs and Nature Conservation to provide the necessary comment on the proposed project. Please note given the urgency of project timeframes and the Department of Energy's upcoming bidding deadlines we would appreciate comment as soon as possible to incorporate the Departments invaluable input. Should you have any queries or require any further information please do not hesitate to contact the undersigned.

Yours sincerely

AURECON



**SIMON CLARK**  
Practitioner: Environment & Advisory Services



**DIANE ERASMUS** (Cert. EAP)  
Associate: Environment & Advisory Services

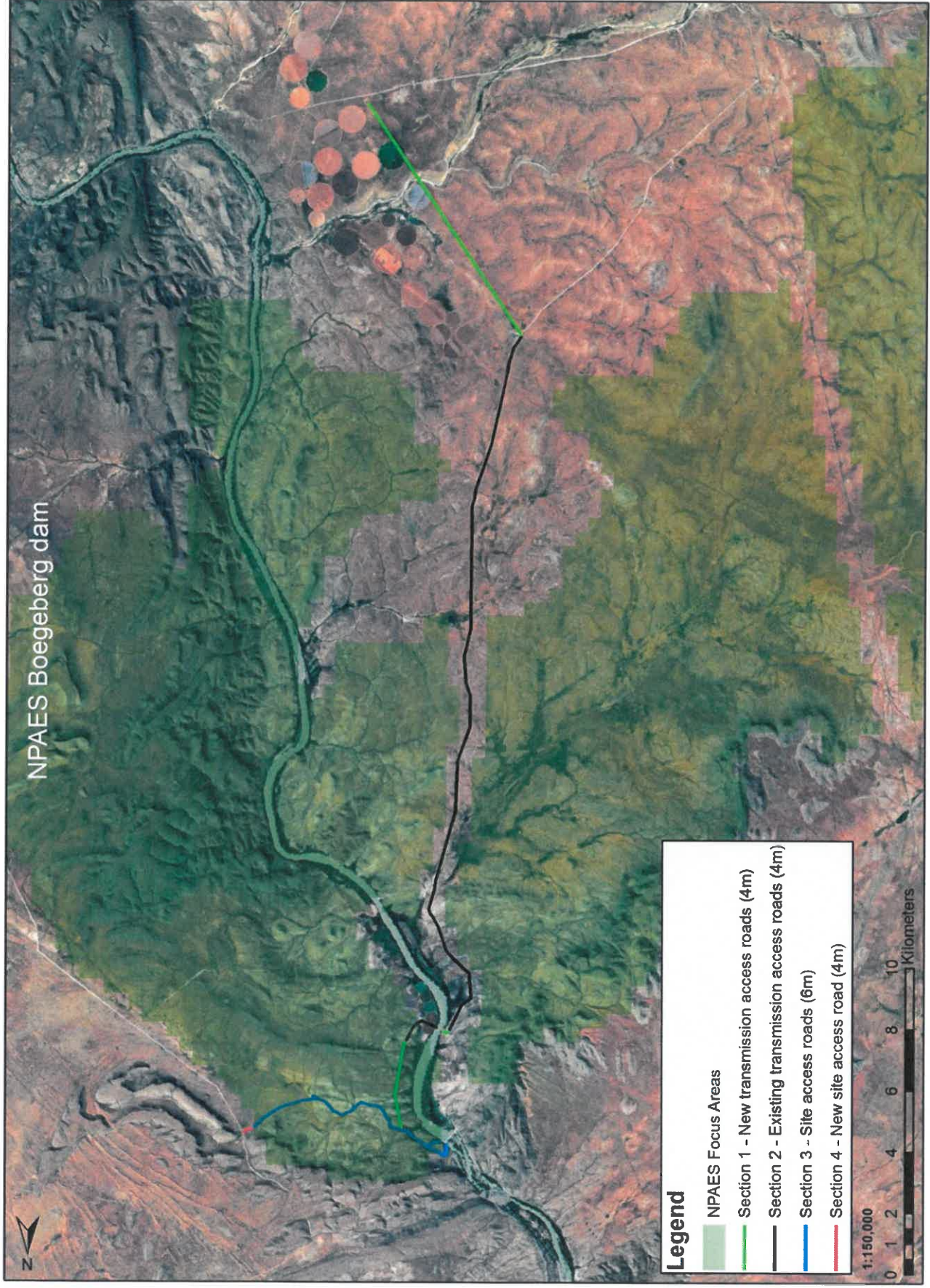


Figure 1 NPAES overlaid with the associated infrastructure of the proposed project.

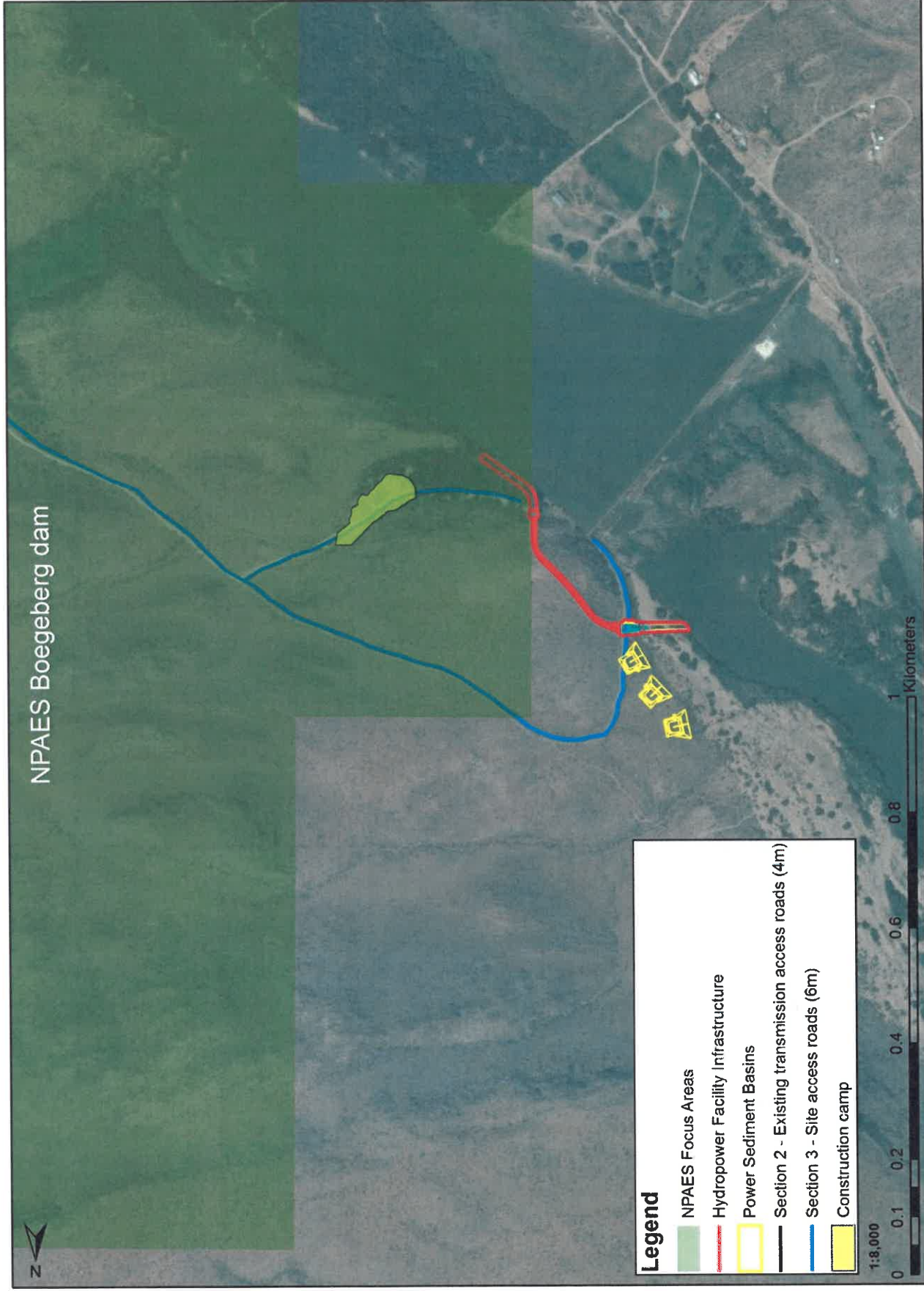


Figure 2 NPAES overlaid with the proposed hydropower facility components.



Figure 3 Proposed construction site (2013)



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Northern Cape Transport, Roads & Public Works	Mr Nogwili
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PEER Africa (Pty) Ltd: Managing Director	D Mothusi Guy
Plaasboer Bo-Seekoebaard	Bennie Burger
SANBI: NPAES, Director: Biodiversity Policy	Mandy Driver
Sidala Energy Solutions (Pty) Ltd	Luel Culwick
Siyanda District Municipality	Mr D Ngxanga (Manager)
Siyathemba Local Municipality	Mr Johnny R M Alexander (Manager)
South African Heritage Resources Agency (SAHRA)	Jenna Lavin (Do NOT send a hard or soft copy report)
South African Heritage Resources Agency (SAHRA) (Northern Cape)	M Ramagoshi (Do NOT post or email request for comment)
South African National Roads Agency Limited (SANRAL)	Ms René de Kock

Square Kilometer Array (SKA)	Adrian Tiplady
The Department of Agriculture, Land Reform & Rural Development	N.J. Toerien
Trans Boegoe 4x4 Kamp en Roetes	(Hendrik) Lourens Fourie Junior
Waterwese	J.J Steenkamp
WESSA	Suzanne Erasmus (Do NOT post anything - only EMAIL)
Wilderness Ventures	Willie Jooste
Wilkot Boerdery Pty Ltd	Johan Mareee
Workforce Staffing	Danie Grobler
WWF-SA	Natasha Wilson / Samantha Sithole
Wyks Lid	M. Michala
Wyks Lid	D.G. Scheepers
	C Fischer
	Sara Bostanda
	Lena Links
	Fiena Links
Landowner	Fourie Geldenhuys

**PROPOSED HYDROPOWER STATION AND ASSOCIATED  
INFRASTRUCTURE AT BOEGOEBERG DAM ON THE ORANGE RIVER,  
NEAR GROBLERSHOOP, NORTHERN CAPE:**

**Availability of the Draft Scoping Report**

DEA Ref: 14/12/16/3/3/1/951

Hydro 9 SA (Pty) Ltd wishes to construct a hydropower station and associated infrastructure of approximately 10 Megawatt (MW) at Boegoeberg Dam on the Orange River, on the farm Zeekoebaart (Remainder of Farm no. 306 and Portion 1 of Farm no. 306), approximately 26km south east of Groblershoop.

**VOORGENOME HIDRO-KRAGSENTRALE, EN VERWANTE  
INFRASTRUKTUUR BY BOEGOEBERGDAM OP DIE ORANJE RIVIER IN DIE  
OMGEWING VAN GOBLERSHOOP, NOORD-KAAP:**

**Beskikbaarheid van die Konsep Omvangbepalingsverslag**

DOS Verw.: 14/12/16/3/3/1/951

Hydro 9 SA (Edms) Bpk beoog om 'n hidro-elektriese kragstasie en gepaardgaande infrastruktuur van ongeveer 10 megawatt (MW) by Boegoeberg Dam op die Oranjerivier op te rig, op die plaas Zeekoebaart (Restant van Plaas Nr 306 en Gedeelte 1 van die Plaas No.. 306 ), ongeveer 26km suidoos van Groblershoop.

In terms of the National Environmental Management Act (No. 107 of 1998) (NEMA) each of the proposed projects triggers listed activities 1, 9, 10, 11, and 18 in **Listing Notice 1**; listed activity 10 in **Listing Notice 2** and listed activity 4, 13, 14 and 16 in **Listing Notice 3** (Government Notice (GN) No. R544 and R546 of the 2010 Environmental Impact Assessment (EIA) Regulations).

Authorisation from the competent environmental authority, namely the Department of Environmental Affairs (DEA), via the Environmental Impact Assessment (EIA) process, as outlined in sections 21 to 25 of GN No. R543 in terms of NEMA, is necessary. Aurecon South Africa (Pty) Ltd (Aurecon) has been appointed to undertake the required NEMA process..

Notice is hereby given of the commencement of a public participation process in terms of the NEMA EIA Regulations 2010. The application for the above-mentioned project has been submitted to the competent authority in terms of these Regulations.

In terme van die Wet op Nasionale Omgewingsbestuur (Nr. 107 van 1998) (WNOB) word die voorgename projekt gelys as bedrywighede 1, 9, 10, 11, en 18 van **Kennisgewingslys 1**, bedrywigheid 10 van **Kennisgewingslys 2** en bedrywighede 4, 13, 14 en 16 van **Kennisgewingslys 3** (Goewermentskennisgewing (GK) Nr. R544 en R546 van die 2010 Omgewingsinvloedbepaling (OIB) regulasies).

Hierdie proses verg 'n magtiging van die bevoegde owerheid, naamlik die Departement van Omgewingsake, na afloop van 'n Omgewingsinvloedbepalingsproses (OIB) soos uiteengesit in Artikels 21 tot 25 van GK Nr. R543. Aurecon (Edms) Bpk (Aurecon) is aangestel om die vereiste WNOB-proses uit te voer.

Kennis geskied hiermee dat daar begin word met die proses van openbare deelname kragtens die WNOB se Regulasies vir Omgewingsinvloedbepalings 2010. Die aansoek vir die bogenoemde projek is reeds ingedien by die bevoegde owerheid in terme van hierdie Regulasies.

You are hereby notified of the proposed project and the availability of the Draft Scoping Report (DSR) for public review and comment from **17 July 2013 – 26 August 2013**. The Draft DSR will be available at the Groblershoop Public Library, at the offices of the Kheis Municipality in Groblershoop as well as on the Aurecon website (<http://www.aurecongroup.com>)- [change "Current Location" to South Africa, then click on '**Public participation**'.]

I&APs have until **26 August 2013** to submit comment by mail, phone, fax or e-mail on the proposed projects. Please submit your comments to Aurecon, Attention Simon Clark or Diane Erasmus, P.O. Box 494, Cape Town, 8000; Tel: (021) 526 6034; Fax: (021) 526 9500 or Email: [simon.clark@aurecongroup.com](mailto:simon.clark@aurecongroup.com) / [diane.erasmus@aurecongroup.com](mailto:diane.erasmus@aurecongroup.com)



U word hiermee van die proses in kennis gestel, asook van die beskikbaarheid van die Konsep Omvangbepalingsverslag (OBV), vanaf **17 Julie 2013 - 26 Augustus 2013**, vir openbare oorsig en kommentaar. Die Konsep OBV sal beskikbaar wees by die Groblershoop Openbare Biblioteek, by die kantore van die Kheis Munisipaliteit in Groblershoop sowel as op Aurecon se webblad (<http://www.aurecongroup.com>) –[verander 'Current Location' na Suid Afrika en kliek op '**Public participation**'.]

B&GPe kan tot en met **26 Augustus 2013** kommentaar op die beoogde projek indien. Rig u kommentaar aan Aurecon, Vir aandag Simon Clark of Diane Erasmus, Posbus 494, Kaapstad, 8000; Tel: (021) 526 6034; Faks: (021) 526 9500 of e-pos: [simon.clark@aurecongroup.com](mailto:simon.clark@aurecongroup.com) / [diane.erasmus@aurecongroup.com](mailto:diane.erasmus@aurecongroup.com)



# Geklassifiseerd



## NOORD-KAAP LEWENDE HAWE KURUMAN

### SPEENKALFVEILING

25 JULIE 2013 OM 13:00

- 700 speenkawers reeds ingeskryf
- 100 slag- en stoor koeie

Kontak u plaaslike agent vir meer besonderhede.

Navrae:  
 NKLH Kuruman-kantoor 053 712 1171  
 Andre Strauss 083 317 9533  
 Jan van Straten 082 378 4243  
 Jakobus Strauss 082 777 6515  
 Chris Hendriks 083 449 0852

## pricechain CASH & CARRY CHAINING PRICES DOWN

### VACANCIES

Pricechain Cash & Carry invites males and females to apply for the following vacant positions in the Kuruman, Vryburg and Hartswater areas:

- Receiving clerks/managers
- Dispatch clerks/managers
- Buyers
- Reps

Candidates must have matric and at least 2 years' experience in the wholesale and retail environment. Candidates who apply for Rep positions must have a valid driver's licence.

Please fax comprehensive CVs to 053 927 3951 for attention Carlos or Schalk.

**HOOFSTRAAT  
WANGUS SLAGHUIS  
BUTCHERY**  
 HOOFSTRAAT, KURUMAN  
 Tel. 053 712 3594  
 Faks 053 712 0358

**GESOEK:  
KASSIERE  
en  
BLOKMANNE.**  
 Verwysings 'n  
vereiste.  
 Faks CV na:  
053 712 0358.

## Volksblad NUUS MET MENING DAGSUBREDAKTEUR

Aansoek word ingewag vir hierdie pos by Volksblad se redaksieafdeling in Bloemfontein.

Die ideale kandidaat moet aan die volgende vereistes voldoen:

- Sleutelprestasiereas**
- Uitleg van bladsye en haal van streng spertye
  - Kopieredigering
  - Werk as deel van 'n dagspan om koerant se redaksionele gehalte te verseker

**Kwalifikasies en ervaring**

- Vermoë om die kreatiewe uitleg en ontwerp van koerantblaai te doen
- Vermoë om treffende en akkurate hoofskryfte vir koerant te skryf
- Gevorderde rekenaargeletterdheid
- Goed ontwikkelde vaardighede in Afrikaans en Engels
- Goë kennis van koerantproduksie
- Deeglike kennis van aktuele sake

**Aanbevole vaardighede:**

- Bewese ervaring van uitleg, ontwerp en kopieredigering
- Bewese vermoë in die uitleg en redigering van nuusblaai
- Moet kreatief wees met 'n aanleg vir bladontwerp en -uitleg
- aardig met die skryf van opskrifte en kopieredigering
- Ander toepaslike joernalistieke ervaring
- vermoë om onafhanklik te werk en daaglikse spertye na te kom
- 'n Diploma of graad in joernalistiek of verwante rigting sal baie voordelig wees
- Voorkeur sal gegee word aan aansoekers wat Afrikaans en Engels vlot kan skryf en praat

In ruil vir die suksesvolle kandidaat se dienste bied die maatskappy 'n mededingende vergoedingspakket, asook lidmaatskap van die aftree- en mediese fonds vir persone wat daarvoor kwalifiseer.

Belangstellendes kan aansoek stuur na [aansoek@volksblad.com](mailto:aansoek@volksblad.com).

Aansoekers moet duidelik aandui om watter pos aansoek gedoen word.

SLUITINGSDATUM: 24 Julie 2013

Indien geen terugvoer teen 15 Augustus 2013 ontvang is nie, moet aanvaar word dat u aansoek onsuksesvol was. Die maatskappy behou die reg om nie die pos te vul nie.

Ingevalige Media24 se diensbillikheidsbeleid sal aan geskikte kandidate uit die aangewese groepie voorkeur gegee word.

## PROPOSED HYDROPOWER STATION AND ASSOCIATED INFRASTRUCTURE AT BOEGOEBERG DAM ON THE ORANGE RIVER, NEAR GROBLERSHOOP, NORTHERN CAPE: Availability of the Draft Scoping Report DEA Ref: 14/12/16/3/2/568

Hydro 9 SA (Pty) Ltd wishes to construct a hydropower station and associated infrastructure of approximately 10 Megawatt (MW) at Boegoeberg Dam on the Orange River, on the farm Zeekoebaart (Remainder of Farm No. 306 and Portion 1 of Farm no. 306), approximately 26 km south-east of Groblershoop.

In terms of the National Environmental Management Act (No. 107 of 1998) (NEMA) each of the proposed projects trigger listed activities 1, 9, 10, 11, and 18 in Listing Notice 1; listed activity 10 in Listing Notice 2 and listed activity 4, 13, 14 and 16 in Listing Notice 3 (Government Notice (GN) No. R544 and R546 of the 2010 Environmental Impact Assessment (EIA) Regulations).

Authorisation from the competent environmental authority, namely the Department of Environmental Affairs (DEA), via the Environmental Impact Assessment (EIA) process, as outlined in sections 21 to 25 of GN No. R543 in terms of NEMA, is necessary. Aurecon South Africa (Pty) Ltd (Aurecon) has been appointed to undertake the required NEMA process.

Notice is hereby given of the commencement of a public participation process in terms of the NEMA EIA Regulations 2010. The application for the above-mentioned project has been submitted to the competent authority in terms of these regulations.

You are hereby notified of the proposed project and the availability of the Draft Scoping Report (DSR) for public review and comment from 17 July 2013 – 26 August 2013. The Draft DSR will be available at the Groblershoop Public Library, at the offices of the Kheis Municipality in Groblershoop as well as on the Aurecon website <http://www.aurecongroup.com> Change 'Current Location' to South Africa, then click on 'Public participation'.

I&APs have until 26 August 2013 to submit comment by mail, phone, fax or e-mail on the proposed projects. Please submit your comments to Aurecon, attention Simon Clark or Diane Erasmus, PO Box 494, Cape Town 8000. Tel. 021 526 6034 or fax 021 526 9500 or e-mail: [simon.clark@aurecongroup.com](mailto:simon.clark@aurecongroup.com) Or [diane.erasmus@aurecongroup.com](mailto:diane.erasmus@aurecongroup.com)



## VOORGENOME HIDROKRAGSENTRALE EN VERWANTE INFRASTRUKTUUR BY BOEGOEBERGDAM OP DIE ORANJERIVIER IN DIE OMGEWING VAN GOBLERSHOOP, NOORD-KAAP: Besikbaarheid van die Konsep Omvangbepalingsverslag DOŠ Verw.: 14/12/16/3/2/568

Hydro 9 SA (Edms) Bpk beoog om 'n hidro-elektriese kragstasie en gepaardgaande infrastruktuur van ongeveer 10 megawatt (MW) by Boegoebergdam in die Oranjerivier op te rig op die plaas Zeekoebaart (Resiant van Plaas nr. 306 en Gedeelte 1 van die Plaas nr. 306), ongeveer 26 km suidoos van Groblershoop.

In terme van die Wet op Nasionale Omgewingsbestuur (Nr. 107 van 1998) (WNOB) word die voorgename projek geïgis as bedrywighede 1, 9, 10, 11 en 18 van Kennisgewingslys 1, bedrywighede 10 van Kennisgewingslys 2 en bedrywighede 4, 13, 14 en 16 van Kennisgewingslys 3 (Regeringskennisgewing (GK) Nr. R544 en R546 van die 2010 Omgewingsinvoerbepaling (OIB) regulasies).

Hierdie proses verg 'n magtiging van die bevoegde owerheid, naamlik die Departement van Omgewingsake, na afloop van 'n Omgewingsinvoerbepalingsproses (OIB) soos uiteengesit in Artikels 21 tot 25 van GK Nr. R543. Aurecon (Edms) Bpk (Aurecon) is aangestel om die vereiste WNOB-proses uit te voer.

Kennis geskied hiermee dat daar begin word met die proses van openbare deelname kragtens die WNOB se Regulasies vir Omgewingsinvoerbepalings 2010. Die aansoek vir die bogenoemde projek is reeds ingedien by die bevoegde owerheid in terme van hierdie Regulasies.

U word hiermee van die proses in kennis gestel, asook van die beskikbaarheid van die Konsep Omvangbepalingsverslag (OBV), van 17 Julie 2013 tot 26 Augustus 2013 vir openbare oorsig en kommentaar. Die Konsep OBV sal beskikbaar wees by die Groblershoop Openbare Biblioteek, by die kantore van die Kheis Munisipaliteit in Groblershoop sowel as op Aurecon se webblad <http://www.aurecongroup.com> Verander 'Current Location' na Suid-Afrika en klik op 'Public participation'.

Belangstellende en belanghebbende partye kan tot en met 26 Augustus 2013 kommentaar op die beoogde projek indien. Rig u kommentaar aan Aurecon. Vir aandag Simon Clark of Diane Erasmus, Posbus 494, Kaapstad 8000. Tel. 021 526 6034. Faks: 021 526 9500 of e-pos: [simon.clark@aurecongroup.com](mailto:simon.clark@aurecongroup.com) [diane.erasmus@aurecongroup.com](mailto:diane.erasmus@aurecongroup.com)

