

**Eastern Region**

58 Van Eck Place, Mkoneni, Pietermaritzburg, 3200  
PO Box 100410, Scottsville, South Africa, 3209  
Tel +27 (0) 33 3928100 Fax +27 (0) 33 3863365

**Offices in** Val de Grace – Pretoria (Head Office), Cape Town, Port Elizabeth

**Reference:** 11/5/3 – 2/29 - Gen

**Date:** 15 August 2017

**Email:** marxj@nra.co.za

**Your Ref:**

**Direct Line:** 033 3928100

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

Savannah Environmental  
P O Box 148  
**SUNNINGHILL**  
2145

**Attention: Gabriele Stein**

Dear Madam

NATIONAL ROUTE N2/29

**ENVIRONMENTAL IMPACT ASSESSMENT PROPOSED DEVELOPMENT OF  
THE RICHARDS BAY COMBINED CYCLE POWER PLANT (CCPP) AND  
ASSOCIATED INFRASTRUCTURE ON A SITE NEAR RICHARDS BAY, KWA  
ZULU NATAL**

Your abovementioned EIA refers.

From the drawing supplied it is not clear if you will be near a National Route our comments are set out below in the event that it does traverse or runs parallel to a National Route.

Any powerline and associated infrastructure that crosses or runs parallel to the National Road or placed within SANRAL's (The South African National Roads Agency SOC Ltd) building restriction area which is 60 metres from the Road Reserve Boundary needs SANRAL's approval.

Once a route has been approved and finalised and falls within 60 metres parallel or crosses the National Road will have to be submitted to SANRAL's Eastern Region for approval.

Formal application shall be made to this office on an encroachment form which can be made available at the time of application and must be completed by the service owner.

Yours faithfully

  
**For Regional Manager  
Eastern Region  
SA National Roads Agency SOC Ltd**

## Gabriele Stein

---

**From:** Futhi Mathebula Transnet Freight Rail JHB <Futhi.Mathebula@transnet.net>  
**Sent:** 21 August 2017 13:23  
**To:** Gonnie Nadasen Transnet Freight Rail DBN  
**Cc:** gabriele@savannahsa.com; Vuyo Keswa Transnet Freight Rail JHB; Benny Molaba Transnet Freight Rail JHB; Basil Louw Transnet Freight Rail JHB  
**Subject:** FW: EIA PROCESS - RICHARDS BAY COMBINED CYCLE POWER PLANT, KZN - NOTIFICATION OF AVAILABILITY OF SCOPING REPORT FOR REVIEW AND INVITATION TO PUBLIC MEETING  
**Attachments:** Reply Form.pdf; Eskom CCPP Scoping Review & PM\_21.08.17.pdf  
**Follow Up Flag:** Follow up  
**Flag Status:** Completed

Hi Gabriele

Do you have a locality plan depicting the proposed activities versus Transnet Freight Rail properties so that we are able to comment comprehensively? Gonnie, who at Central Region is the area manager of this area. So that they can assist attend public participation if need be?

Futhi

---

**From:** Gabriele Stein [mailto:gabriele@savannahsa.com]  
**Sent:** 21 August 2017 12:46 PM  
**Subject:** EIA PROCESS - RICHARDS BAY COMBINED CYCLE POWER PLANT, KZN - NOTIFICATION OF AVAILABILITY OF SCOPING REPORT FOR REVIEW AND INVITATION TO PUBLIC MEETING

Dear Stakeholder

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A Scoping Report is available for review and comment. The report can be viewed at the Richards Bay Public Library, Civic Centre, 05 Mark Strasse, from **21 August 2017 – 20 September 2017**. Please refer to the attached letter for details regarding the availability of the Scoping Report for review and comment and the public meetings details.

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

Kind regards,

**Gabriele Stein**

**Public Participation and Social Consultant**

**Savannah Environmental (Pty) Ltd**

**Tel: 27 11 656 3237**

**Fax: 086 684 0547**

**Email: [gabriele@savannahsa.com](mailto:gabriele@savannahsa.com)**

**[www.savannahsa.com](http://www.savannahsa.com)**

## Gabriele Stein

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**From:** Gabriele Stein <gabriele@savannahsa.com>  
**Sent:** 24 August 2017 08:58  
**To:** 'Futhi Mathebula Transnet Freight Rail JHB'; 'Gonnie Nadasen Transnet Freight Rail DBN'  
**Cc:** 'Vuyo Keswa Transnet Freight Rail JHB'; 'Benny Molaba Transnet Freight Rail JHB'; 'Basil Louw Transnet Freight Rail JHB'  
**Subject:** RE: EIA PROCESS - RICHARDS BAY COMBINED CYCLE POWER PLANT, KZN - NOTIFICATION OF AVAILABILITY OF SCOPING REPORT FOR REVIEW AND INVITATION TO PUBLIC MEETING  
**Attachments:** Richards Bay CCGT Project - Landowners Map - 22.08.17.jpg

Hi Futhi,

Please find the landowners map attached as requested. We will be meeting with Vuyo Keswa on 30 August 2017 to discuss the project further.

Kind regards,

**Gabriele Stein**

Public Participation and Social Consultant | Savannah Environmental (Pty) Ltd  
Tel: +27 (0)11 656 3237 | Fax: +27 (0)86 684 0547

[SAWEA Award for Leading Environmental Consultant for Wind Projects in 2013 & 2015](#)

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**Cc:** gabriele@savannahsa.com; Vuyo Keswa Transnet Freight Rail JHB <Vuyo.Keswa@transnet.net>; Benny Molaba Transnet Freight Rail JHB <Benny.Molaba@transnet.net>; Basil Louw Transnet Freight Rail JHB <Basil.Louw@transnet.net>  
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**From:** Gabriele Stein [mailto:[gabriele@savannahsa.com](mailto:gabriele@savannahsa.com)]  
**Sent:** 21 August 2017 12:46 PM  
**Subject:** EIA PROCESS - RICHARDS BAY COMBINED CYCLE POWER PLANT, KZN - NOTIFICATION OF AVAILABILITY OF SCOPING REPORT FOR REVIEW AND INVITATION TO PUBLIC MEETING

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Kind regards,

**Gabriele Stein**

**Public Participation and Social Consultant**

**Savannah Environmental (Pty) Ltd**

**Tel: 27 11 656 3237**

**Fax: 086 684 0547**

**Email: [gabriele@savannahsa.com](mailto:gabriele@savannahsa.com)**

**[www.savannahsa.com](http://www.savannahsa.com)**



**OFFICE OF THE REGIONAL LAND CLAIMS COMMISSIONER: KWAZULU-NATAL**

139 Langalibalele Street, PIETERMARITZBURG, 3200, Private Bag X 9120, PIETERMARITZBURG, 3200

Tel: (033) 341 2600 | Fax: (033) 342 2881

Your Ref:

Enquiries: Lynn Boucher

Savannah Environmental (Pty) Ltd  
First Floor, Block 2, Woodlands Drive Office Park  
cnr Woodlands Drive & Western Service Road  
**WOODMEAD**  
2191

Dear Sir/Madam

**REQUEST INFORMATION ON PROPERTY: LAND CLAIM**

We acknowledge receipt of your enquiry received on 11 August 2017 and advise that our records indicate that no claims for restitution in terms of the provisions of the Restitution of Land Rights Act, 22 of 1994 (as amended) have been lodged in respect of the properties described as **Portion 2 and Portion 4 of Erf 11376, Richards Bay.**

Whilst great care is taken to verify the accuracy of the information regarding all claims, the Regional Land Claims Commission will not be held responsible for any damage or loss suffered as a result of information furnished in this regard as there are claims lodged with the Commission which are not yet captured in our database as they are not yet published in the relevant government gazette.

Regards

M

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**MR N. MDULI**  
**MANAGER: INFORMATION AND RECORDS MANAGEMENT**  
**DATE: 22 August 2017**

## Gabriele Stein

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**From:** John Geeringh <GeerinJH@eskom.co.za>  
**Sent:** 22 August 2017 11:34  
**To:** Gabriele Stein  
**Subject:** RE: EIA PROCESS - RICHARDS BAY COMBINED CYCLE POWER PLANT, KZN - NOTIFICATION OF AVAILABILITY OF SCOPING REPORT FOR REVIEW AND INVITATION TO PUBLIC MEETING

**Follow Up Flag:** Follow up  
**Flag Status:** Completed

Please send me the BID or a locality map. I seem to have misplaced previous information I had on this project.

Regards  
John

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**Sent:** 21 August 2017 12:46 PM  
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**Email: [gabriele@savannahsa.com](mailto:gabriele@savannahsa.com)**

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NB: This Email and its contents are subject to the Eskom Holdings SOC Ltd EMAIL LEGAL NOTICE which can be viewed at [http://www.eskom.co.za/Pages/Email\\_Legal\\_Spam\\_Disclaimer.aspx](http://www.eskom.co.za/Pages/Email_Legal_Spam_Disclaimer.aspx)

## Gabriele Stein

---

**From:** Gabriele Stein <gabriele@savannahsa.com>  
**Sent:** 22 August 2017 11:50  
**To:** 'John Geeringh'  
**Subject:** RE: EIA PROCESS - RICHARDS BAY COMBINED CYCLE POWER PLANT, KZN - NOTIFICATION OF AVAILABILITY OF SCOPING REPORT FOR REVIEW AND INVITATION TO PUBLIC MEETING  
**Attachments:** Richards Bay CCPP BID.PDF

Hi John

Please find the BID attached.

Kind regards

**Gabriele Stein**

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Tel: +27 (0)11 656 3237 | Fax: +27 (0)86 684 0547

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**Sent:** 22 August 2017 11:34  
**To:** Gabriele Stein <gabriele@savannahsa.com>  
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**Sent:** 21 August 2017 12:46 PM  
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## Gabriele Stein

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**From:** Lizelle Stroh <Strohl@caa.co.za>  
**Sent:** 22 August 2017 12:41  
**To:** Gabriele Stein  
**Subject:** RE: EIA PROCESS - RICHARDS BAY COMBINED CYCLE POWER PLANT, KZN - NOTIFICATION OF AVAILABILITY OF SCOPING REPORT FOR REVIEW AND INVITATION TO PUBLIC MEETING  
**Attachments:** Pylon Geographic co ordinates.xls; Solar Park footprint corners.xls

Your EIA process notice forms part of our approval from the SACAA with regard to PV farms refers.

There is a SACAA 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 information for industry 'Obstacles' on the LHS. Forms, Part 139-27 and submit on the form itself.

- 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.
- Note that there may be other wind farms and PV farms in the area. Unique names are preferable.
- *Please always use the proposed PV farm name in the Subject box when corresponding via email with this office and indicate the name & address which should appear on the CAA approval/decline letter.*
- *There is an assessment fee of R820 per application.*
- *For billing purposes: company name VAT nr. and postal details.*
- *Kindly ensure that all the above data is forwarded. Incomplete data causes unnecessary delays.*

Kind regards

**Lizell Stroh**  
**Obstacle Inspector**  
**PANS-OPS (Procedures for Air Navigation Services-Aircraft Operations)**  
**Air Navigation Services**  
Tel: 011 545 1232 | Fax: 011 545 1451 | Email: [strohl@caa.co.za](mailto:strohl@caa.co.za) | [www.caa.co.za](http://www.caa.co.za)

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Based on the ICAO USOAP CMA 2017 audit preliminary outcome

# The leading CAA in Africa!

We are committed to keeping you safe in the sky!



---

**From:** Gabriele Stein [mailto:gabriele@savannahsa.com]

**Sent:** 21 August 2017 12:46 PM

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## Gabriele Stein

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**From:** Bernadet <bernadetp@amafapmb.co.za>  
**Sent:** 22 August 2017 15:45  
**To:** 'Gabriele Stein'  
**Subject:** RE: EIA PROCESS - RICHARDS BAY COMBINED CYCLE POWER PLANT, KZN - NOTIFICATION OF AVAILABILITY OF SCOPING REPORT FOR REVIEW AND INVITATION TO PUBLIC MEETING

Good day

Thank you for notifying Amafa. Comment will be published on the SAHRIS facility on [www.sahra.org.za](http://www.sahra.org.za) once we have received proof of payment (currently R700) and site photos/case images. The payment details are on the cover sheet of the Need and Desirability Form J(NID-Notice of Intention to Develop Form) available on the Amafa website [www.heritagekzn.co.za](http://www.heritagekzn.co.za).

Kind regards  
Bernadet Pawandiwa  
Senior Heritage Officer  
Archaeology Compliance/Permits  
Amafa /Heritage KwaZulu -Natali  
P.O. Box 2685  
Pietermaritzburg  
3201  
Tel: 033 394 6543  
Fax: 033 394 6552

**“Stand up for what is right even if you stand alone.”**  
– **Suzy Kassem**

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**From:** Gabriele Stein [mailto:[gabriele@savannahsa.com](mailto:gabriele@savannahsa.com)]  
**Sent:** 21 August 2017 12:46 PM  
**To:** undisclosed-recipients:  
**Subject:** EIA PROCESS - RICHARDS BAY COMBINED CYCLE POWER PLANT, KZN - NOTIFICATION OF AVAILABILITY OF SCOPING REPORT FOR REVIEW AND INVITATION TO PUBLIC MEETING

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**Email: [gabriele@savannahsa.com](mailto:gabriele@savannahsa.com)**

**[www.savannahsa.com](http://www.savannahsa.com)**

**From:** Jabulisile Zondo (ER Temp) <ZondoJ@nra.co.za>  
**Sent:** 25 August 2017 16:30  
**To:** 'gabriele@savannahsa.com'  
**Subject:** RE: EIA PROCESS - RICHARDS BAY COMBINED CYCLE POWER PLANT, KZN - NOTIFICATION OF AVAILABILITY OF SCOPING REPORT FOR REVIEW AND INVITATION TO PUBLIC MEETING

Good day Gabriele

Kindly find below circular from SANRAL regarding Draft Basic Assessment Reports.

**ENVIRONMENTAL SCOPING AND IMPACT ASSESSMENT REPORT SUBMISSIONS**

The South African National Roads Agency SOC Ltd (SANRAL) hereby notifies you that all Scoping Environmental Impact Assessment Reports submitted to this office for comments shall conform to the following requirements:

1. All reports must be submitted as a hard copy via courier or normal mail.
2. Submissions must be A4 – DIN size (210x297mm) and be bound on the left side.
3. Cover letter fully describing the purpose of the submission.
4. Executive Summary including a description of the proposed development or activity.
5. Clearly annotated Locality Map – A3-Din size (297x420mm) folded to A4 size.
6. Clearly annotated Development/Site Layout plan – A3-Din size (297x420mm) folded to A4 size.
7. Associated Town Planning Proposal.
8. Listed Activities.
9. Road Infrastructure provision and the associated Traffic Impact Assessment.
10. Comments from other relevant Transport Authorities e.g. Provincial Departments of Transport, Municipality etc.
11. Storm water management.

All ancillary information must be included on a Compact Disc (CD) for further reference.

12. All submissions to be addressed to:

- The Regional Manager – Eastern Region  
58 Van Eck Place  
Mkondeni  
Pietermaritzburg  
3201  
Attention: Statutory Control Department

13. Every effort must be taken by the applicant to ensure that only relevant and concise information is included to prevent unnecessarily large or voluminous submissions.

Your co-operation in this regard will be appreciated and you are to note that any submission in an electronic (soft copy) format or a submission that does not conform to the above standard requirements will not be processed from hereon. Furthermore, SANRAL reserves the right to request any additional information it deems relevant in its consideration of any submission in this regard.

Kind regards

Jabu Zondo  
ER stat control

---

**From:** Gabriele Stein [<mailto:gabriele@savannahsa.com>]

**Sent:** 21 August 2017 12:46 PM

**Subject:** EIA PROCESS - RICHARDS BAY COMBINED CYCLE POWER PLANT, KZN - NOTIFICATION OF AVAILABILITY OF SCOPING REPORT FOR REVIEW AND INVITATION TO PUBLIC MEETING

Dear Stakeholder

Eskom Holdings SoC Ltd (Eskom) proposes to develop a Combined Cycle Power Plant (CCPP) and associated infrastructure with a generating capacity of up to 3000MW. The proposed project is to be known as the Richards Bay Combined Cycle Power Plant (CCPP). The Project site is to be located on Portion 2 and Portion 4 of Erf 11376 in the Richards Bay Industrial Development Zone (IDZ) Phase 1D, approximately 6km south west of Richards Bay and 4km south west of Alton which falls within the jurisdiction of the City of uMhlatuze Local Municipality and the King Cetshwayo District Municipality, KwaZulu-Natal Province. The Richards Bay CCPP is approximately 71ha in extent.

The development of the Richards Bay CCPP requires that Environmental Authorisation (EA) be obtained from the National Department of Environmental Affairs (DEA), the Competent Authority (CA), in consultation with the KZN Department of Economic Development, Tourism and Environmental Affairs (EDTEA), the Local Commenting Authority, in accordance with the National Environmental Management Act (No. 107 of 1998) (NEMA) and the provisions of the 2014 Environmental Impact Assessment (EIA) Regulations, as amended on 07 April 2017, published in GNR 324 to GNR 327.

Savannah Environmental (Pty) Ltd has been appointed as the independent Environmental Assessment Practitioner (EAP), responsible for undertaking an Impact Assessment process (Scoping and EIA) to identify and assess all potential environmental impacts associated with the project for the area as identified, and propose appropriate mitigation and management measures in an Environmental Management Programme (EMPr). As part of these environmental studies, Interested and/or Affected Parties (I&APs) will be actively involved through the public participation process.

A Scoping Report is available for review and comment. The report can be viewed at the Richards Bay Public Library, Civic Centre, 05 Mark Strasse, from **21 August 2017 – 20 September 2017**. Please refer to the attached letter for details regarding the availability of the Scoping Report for review and comment and the public meetings details.

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

Kind regards,

**Gabriele Stein**

**Public Participation and Social Consultant**

**Savannah Environmental (Pty) Ltd**

**Tel: 27 11 656 3237**

**Fax: 086 684 0547**

**Email: [gabriele@savannahsa.com](mailto:gabriele@savannahsa.com)**

**[www.savannahsa.com](http://www.savannahsa.com)**

---

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If verification is required please request a hard-copy version. The South African National Roads Agency SOC Ltd, PO Box 415, Pretoria, 0001, South Africa,

Tel +27-(0)12 844 8000, [www.nra.co.za](http://www.nra.co.za)

This Disclaimer is deemed to form part of the content of this email in terms of Section 11 of the Electronic Communications and Transactions Act, 25 of 2002.

**ENVIRONMENTAL IMPACT ASSESSMENT PROCESS  
PUBLIC PARTICIPATION PROCESS  
DEVELOPMENT OF THE RICHARDS BAY COMBINED CYCLE POWER PLANT (CCPP) AND  
ASSOCIATED INFRASTRUCTURE ON A SITE NEAR RICHARDS BAY, KWAZULU-NATAL  
PROVINCE  
STAKEHOLDER REPLY FORM**

Return completed reply form to: **Gabriele Stein of Savannah Environmental**

Fax: 086 684 0547

Phone: 011 656 3237

E-mail: [gabriele@savannahsa.com](mailto:gabriele@savannahsa.com)

Postal Address: PO Box 148, Sunninghill, 2157

Please provide your complete contact details:

Name & Surname:

OSCAR NZIMA

Organisation & Designation:

INDIZA AIRPORT MANAGEMENT, RBAY AIRPORT MANAGER

Postal Address:

POSTNET SUITE 75  
RICHARDS BAY, 3900

Telephone:

035 786 0119

Cellphone:

076 062 3058

Fax:

E-mail:

OSCAR@INDIZA.BIZ

Would you like to register as an interested and affected party (I&AP)? YES  NO

(please tick the relevant box)

Note: You are required to register as an I&AP to receive further correspondence regarding the EIA process for the project.

Please state your interest in the project (add additional pages if necessary):

Aviation Safety w/out traffic operating with the Richards Bay Airspace.

Please list your questions, views or concerns regarding the project (add additional pages if necessary):

1. Position of the proposed CCPP.
2. Height of the tallest structure.
3. Footprint of the CCPP

Please provide contact details of other persons who you regard as a potential interested or affected party:

Name & Surname:

JOHNITHIN BREYENBACH

Organisation & Designation:

INDIZA AIRPORT MANAGEMENT, AIR TRAFFIC CONTROL

Postal Address:

POSTNET SUITE 75, RICHARDS BAY, 3900

Telephone:

035 786 0731

Cellphone:

082 977 2938

Fax:

E-mail:

JOHNITHIN@INDIZA.BIZ

## Gabriele Stein

---

**From:** Frans Van Der Walt <frans@qs2000plus.co.za>  
**Sent:** 28 August 2017 15:13  
**To:** Gabriele Wood  
**Cc:** Sandy Camminga; Mike Patterson; Christo Botha; Alen Viljoen; Kevin Seamark (UVS); Retha van Niekerk  
**Subject:** RE: EIA for Proposed DEVELOPMENT of 300MW GAS POWER PLANT, RICHARDS BAY  
**Importance:** High

Dear Gabrielle,

I noted with surprise in the Zululand Observer (dd : 25/08/2017) that Public Meetings are to be held for what I can only assume to be the same project as this one, but this time round for a facility 10 times the size, ie 3000MW vs. the original 300MW. We have not heard from you whatsoever since the communication hereunder, and also find that curious ?

I shall be attending the Public Meeting on Thursday, 31/08 at 09h00 at the Richards Bay Public Library. I look forward to receiving substantially more information on this project, as well as the planned routing of the LNG Gas from the source and/or the Port of Richards Bay. I can only assume that this EIA process actually include the route ?!

I do have various issues with the deemed locality for the facility and would share that at the Meeting.

Please do ensure that we are added to the database on this project to ensure we do receive future correspondence, notices, etc.

Regards,

**Frans van der Walt** (B.Sc (QS), Pr.QS (2167), PMAQS, MRICS)  
**QS2000 Plus** (Quantity Surveyors & Project Managers)

QS2000 is a Certified **BBBEE level 4 Contributor**.



**Contact numbers :** Tel : +27 (35) 753 4184 / 5, Fax : +27 (35) 753 4185, Cell : +27 82 4600 875  
**E-mail :** [frans@qs2000plus.co.za](mailto:frans@qs2000plus.co.za)  
**Postal :** P.O. Box 10376, MEERENSEE, 3901  
**Physical :** 22 Pompano Place, MEERENSEE, 3901  
**Website :** [www.qs2000plus.co.za](http://www.qs2000plus.co.za) **Skype :** fransvanderwalt



---

**From:** Gabriele Wood [mailto:[gabriele@savannahsa.com](mailto:gabriele@savannahsa.com)]  
**Sent:** 4 December 2015 09:52 AM  
**To:** Frans Van Der Walt <frans@qs2000plus.co.za>  
**Subject:** RE: EIA for Proposed DEVELOPMENT of 300MW GAS POWER PLANT, RICHARDS BAY

Dear Frans

Public Meetings will be held in the first quarter of 2016. The dates are still to be confirmed. In the meanwhile, please do not hesitate to send me your written comments/concerns regarding the locality of the proposed Power Plant. I will request responses from the developer and/or specialists as required. Your submission will also be included in the Scoping Report which will be submitted to the National Department of Environmental Affairs.

Thanks.

Kind regards

**Gabriele Wood**

Public Participation and Social Consultant | Savannah Environmental (Pty) Ltd  
Tel: +27 11 656 3237 | Fax: +27 86 684 0547 | Cell: +27 83 458 5570

---

**From:** Frans Van Der Walt [<mailto:frans@qs2000plus.co.za>]

**Sent:** 04 December 2015 09:40

**To:** Gabriele Wood

**Subject:** RE: EIA for Proposed DEVELOPMENT of 300MW GAS POWER PLANT, RICHARDS BAY

Thank you Gabriel,

Are there going to be any Public Meetings held ? We need to debate the appropriateness of the locality and desirability of establishing a Power Plant within an IDZ.

Regards,

**Frans van der Walt** (B.Sc (QS), Pr.QS (2167), PMAQS, MRICS)  
**QS2000 Plus** (Quantity Surveyors & Project Managers)



Contact numbers :

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22 Pompano Place, MEERENSEE, 3901

[www.qs2000plus.co.za](http://www.qs2000plus.co.za)

fransvanderwalt



---

**From:** Gabriele Wood [<mailto:gabriele@savannahsa.com>]

**Sent:** 4 December 2015 09:24 AM

**To:** Frans Van Der Walt <[frans@qs2000plus.co.za](mailto:frans@qs2000plus.co.za)>

**Subject:** RE: EIA for Proposed DEVELOPMENT of 300MW GAS POWER PLANT, RICHARDS BAY

Dear Frans Van Der Walt

Apologies for the late response – I was out of the office with limited access to email. Please find the background information document attached as requested. More information on the project can be obtained from the Scoping Report which is available on our website at the following

link: <http://www.savannahsa.com/projects/project.php?project=411>

This also serves to confirm that you have been registered as an I&AP on the project's EIA database.

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

Kind regards

**Gabriele Wood**

Public Participation and Social Consultant | Savannah Environmental (Pty) Ltd  
Tel: +27 11 656 3237 | Fax: +27 86 684 0547 | Cell: +27 83 458 5570

---

**From:** Frans Van Der Walt [<mailto:frans@qs2000plus.co.za>]

**Sent:** 02 December 2015 15:35

To: [gabriele@savannahsa.com](mailto:gabriele@savannahsa.com)

Subject: EIA for Proposed DEVELOPMENT of 300MW GAS POWER PLANT, RICHARDS BAY

Hallo Gabrielle Wood,

Further to the recent Notice in the media about the above project, I would appreciate if you could add me as Interested and Affected Party and if I could request all background information.

I look forward to hearing more and being involved in the EIA process going forward.

Regards,

**Frans van der Walt** (B.Sc (QS), Pr.QS (2167), PMAQS, MRICS)  
**QS2000 Plus** (Quantity Surveyors & Project Managers)



Contact numbers :

E-mail :

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fransvanderwalt



**Gabriele Wood**

Public Participation and Social Consultant

Email: [gabriele@savannahsa.com](mailto:gabriele@savannahsa.com)

[www.savannahSA.com](http://www.savannahSA.com)



Tel: +27 11 656 3237 | Fax: +27 86 684 0547 | P.O. Box 148, Sunninghill, 2157  
1st Floor, Block 2, 5 Woodlands Drive Office Park, Woodlands Drive, Woodmead, 2191

*Awarded Leading Environmental Consultant on Wind Projects in 2013 & 2015 (SAWEA)*

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## Gabriele Stein

---

**From:** Gabriele Stein <gabriele@savannahsa.com>  
**Sent:** 28 August 2017 16:02  
**To:** 'Frans Van Der Walt'  
**Cc:** 'Sandy Camminga'; 'Mike Patterson'; 'Christo Botha'; 'Alen Viljoen'; 'Kevin Seamark (UVS)'; 'Retha van Niekerk'  
**Subject:** RE: EIA for Proposed DEVELOPMENT of 300MW GAS POWER PLANT, RICHARDS BAY  
**Attachments:** Richards Bay Power Facility - EA Notification Letter 18.10.2016.pdf; 867 cover letter.pdf; 867 ea.pdf; Frans vd Walt\_Proof of Correspondence.pdf; Eskom CCPP Scoping Review & PM\_21.08.17.pdf; Richards Bay CCPP BID.PDF

Dear Frans

Thank you for the email.

The proposed 3000MW Richards Bay Combined Cycle Power Project (CCPP) is a different project to the Gas Power Plant as proposed by Richards Bay Gas Power 2 (Pty) Ltd, an independent power producer (IPP) and to which my previous correspondence related to. The EIA process for the Gas Power Plant (proposed by Richards Bay Gas Power 2) project was completed in 2016. The project received environmental authorisation on 04 October 2016. I have attached the Environmental Authorisation and notification letter that was distributed for your reference. I confirm that you were registered as an Interested and Affected Party (I&AP) on the project's database. According to our records the following correspondence was sent to you via email (please refer to the attached proof of correspondence for a record of all emails sent to you).

- EIA Process – Proposed Gas to Power Plant on a site within the Richards Bay IDZ – Notification of Availability of EIA Report and Public Meeting dated 09 May 2016
- 400MW Richards Bay Power Facility within the Richards Bay IDZ – Notification of Granting of Environmental Authorisation by DEA dated 18 October 2016

The Richards Bay Combined Cycle Power Plant (CCPP), is a 3000MW power plant which is being proposed by Eskom. I have attached the background information document (BID) and notification letter announcing the availability of the Scoping Report for your reference. I confirm that I have registered your details on the project's database for this particular project and that you should have received a letter announcing the EIA process (dated 11 August 2017) and a letter announcing the availability of the Scoping Report and public meeting dates (dated 21 August 2017) via email. If you did not receive this correspondence, please check your spam filter as it is possible my email address could be blocked.

Thank you for confirming your attendance to the public meeting on 31 August 2017. We look forward to providing you with more details throughout the process.

Kind regards,

**Gabriele Stein**

Public Participation and Social Consultant | Savannah Environmental (Pty) Ltd  
Tel: +27 (0)11 656 3237 | Fax: +27 (0)86 684 0547

[SAWEA Award for Leading Environmental Consultant for Wind Projects in 2013 & 2015](#)

---

**From:** Frans Van Der Walt [mailto:frans@qs2000plus.co.za]  
**Sent:** 28 August 2017 15:13  
**To:** Gabriele Wood <gabriele@savannahsa.com>  
**Cc:** Sandy Camminga <camminga@iafrica.com>; Mike Patterson <mikepatt2@gmail.com>; Christo Botha <christo@cmbbotha.co.za>; Alen Viljoen <alchris@mweb.co.za>; Kevin Seamark (UVS) <seamarkk@theuvs.co.za>; Retha van Niekerk <retha.urbanplan@gmail.com>

**Subject:** RE: EIA for Proposed DEVELOPMENT of 300MW GAS POWER PLANT, RICHARDS BAY

**Importance:** High

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Regards,

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**Website :** [www.qs2000plus.co.za](http://www.qs2000plus.co.za) **Skype :** fransvanderwalt



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**From:** Gabriele Wood [<mailto:gabriele@savannahsa.com>]

**Sent:** 4 December 2015 09:52 AM

**To:** Frans Van Der Walt <[frans@qs2000plus.co.za](mailto:frans@qs2000plus.co.za)>

**Subject:** RE: EIA for Proposed DEVELOPMENT of 300MW GAS POWER PLANT, RICHARDS BAY

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Thanks.

Kind regards

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**To:** Frans Van Der Walt <[frans@qs2000plus.co.za](mailto:frans@qs2000plus.co.za)>  
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This also serves to confirm that you have been registered as an I&AP on the project's EIA database.

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

Kind regards

**Gabriele Wood**  
Public Participation and Social Consultant | Savannah Environmental (Pty) Ltd  
Tel: +27 11 656 3237 | Fax: +27 86 684 0547 | Cell: +27 83 458 5570

---

**From:** Frans Van Der Walt [<mailto:frans@qs2000plus.co.za>]  
**Sent:** 02 December 2015 15:35  
**To:** [gabriele@savannahsa.com](mailto:gabriele@savannahsa.com)  
**Subject:** EIA for Proposed DEVELOPMENT of 300MW GAS POWER PLANT, RICHARDS BAY

Hallo Gabrielle Wood,

Further to the recent Notice in the media about the above project, I would appreciate if you could add me as Interested and Affected Party and if I could request all background information.

I look forward to hearing more and being involved in the EIA process going forward.

Regards,

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**QS2000 Plus** (Quantity Surveyors & Project Managers)



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Web-site : [www.qs2000plus.co.za](http://www.qs2000plus.co.za)  
Skype : fransvanderwalt



**Gabriele Wood**

Public Participation and Social Consultant

Email: [gabriele@savannahsa.com](mailto:gabriele@savannahsa.com)

[www.savannahSA.com](http://www.savannahSA.com)



Tel: +27 11 656 3237 | Fax: +27 86 684 0547 | P.O. Box 148, Sunninghill, 2157  
1st Floor, Block 2, 5 Woodlands Drive Office Park, Woodlands Drive, Woodmead, 2191

*Awarded Leading Environmental Consultant on Wind Projects in 2013 & 2015 (SAWEA)*

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## Gabriele Stein

---

**From:** George Lotter <GeorgeL@motla.co.za>  
**Sent:** 29 August 2017 16:39  
**To:** gabriele@savannahsa.com  
**Cc:** RBadmIn  
**Subject:** Register on database: Development of the RB combined cycle power plant (CCPP)

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Good day

Kindly add Motla Consulting Engineers (specifically George Lotter) via email [radmin@motla.co.za](mailto:radmin@motla.co.za) to your database.

We are Electrical Consulting Engineers.

Thank you

Regards

**George Lotter** (B. Eng) Pr. Eng  
*Electrical Engineer*  
*Motla Consulting Engineers (Pty) Ltd*

**georgel@motla.co.za**

**t** +27 35 789 8510

**f** +27 86 622 5729

**m** +27 83 200 0051

**www.motla.co.za**

MOTLA

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**ENVIRONMENTAL IMPACT ASSESSMENT PROCESS  
PUBLIC PARTICIPATION PROCESS  
DEVELOPMENT OF THE RICHARDS BAY COMBINED CYCLE POWER PLANT (CCPP) AND  
ASSOCIATED INFRASTRUCTURE ON A SITE NEAR RICHARDS BAY, KWAZULU-NATAL  
PROVINCE  
STAKEHOLDER REPLY FORM**

Return completed reply form to: *Gabriele Stein of Savannah Environmental*

Fax: 086 684 0547

Phone: 011 656 3237

E-mail: [gabriele@savannahsa.com](mailto:gabriele@savannahsa.com)

Postal Address: PO Box 148, Sunninghill, 2157

**Please provide your complete contact details:**

Name & Surname:

FRANZ SCHMIDT

Organisation & Designation:

RICHARDS BAY ALLOYS

Postal Address:

SHRECC MANAGER

Telephone:

035 751 4008

Cellphone:

083 675 8356

Fax:

—

E-mail:

FRANZ.SCHMIDT@  
RBALLOYS.COM

Would you like to register as an interested and affected party (I&AP)? YES  NO

(please tick the relevant box)

Note: You are required to register as an I&AP to receive further correspondence regarding the EIA process for the project.

**Please state your interest in the project** (add additional pages if necessary):

--

**Please list your questions, views or concerns regarding the project** (add additional pages if necessary):

--

**Please provide contact details of other persons who you regard as a potential interested or affected party:**

Name & Surname:

--

Organisation & Designation:

--

Postal Address:

--

Telephone:

--

Cellphone:

--

Fax:

--

E-mail:

--



**agriculture  
& rural development**

Department:  
agriculture  
& rural development  
PROVINCE OF KWAZULU-NATAL

KZN Department of Agriculture & Rural Development  
Private Bag X9059, Pietermaritzburg, 3200  
Enquiries: Thabede Sthandlwe (Prof. Natural Scientist)  
Email: [bongiwe.thabede@kzndard.gov.za](mailto:bongiwe.thabede@kzndard.gov.za)  
Tel: 033 355 9347  
Ref no: 2017/08/4 500  
Date: 25 AUGUST 2017

**SAVANNAH ENVIRONMENTAL**

**First Floor, Block 2**

**5 Woodlands Drive Office Park**

**Corner Woodlands Drive and Western Service Road**

**Woodmead, 2191**

**ATTENTION: GABRIELE STEIN**

**Email: [gabriele@savannahsa.com](mailto:gabriele@savannahsa.com)**

**RE: DEVELOPMENT OF THE RICHARDS BAY COMBINED CYCLE POWER PLANT (CCPP) AND ASSOCIATED INFRASTRUCTURE ON ERF 11376 (PORTION 2 AND 4), IN RICHARDS BAY, UMHLATHUZE LOCAL MUNICIPALITY, KWAZULU-NATAL PROVINCE, EIA PROCESS.**

**1. GENERAL**

- 1.1. The Provincial Department of Agriculture and Rural Development: Agriculture Resource Management: Land Use Regulatory Unity acknowledges the receipt of the above mentioned application.
- 1.2. The submitted application request that the Provincial Department of Agriculture and Rural Department to provide comments and inputs on the Environmental Impact Assessment Process (EIA).
- 1.3. The EIA is conducted as ESKOM proposes to develop a Combined Cycle Power Plant (CCPP) and associated infrastructure.

**2. BACKGROUND**

- 2.1. The proposed CCPP will be located on Portion 2 and Portion 4 of Erf 11376 in the Richards Bay Industrial Development Zone (IDZ) Phase 1D.
- 2.2. Portion 2 and 4 are located 6km south west of Richards Bay and 4km south west of Alton.
- 2.3. Portion 2 and 4 are within Umhlathuze Town Planning Scheme and as part of Umhlathuze Local Municipality.
- 2.4. Portion 2 and 4 are 71 hectares in total combined.
- 2.5. The proposed project is aimed at reducing transmission losses from generation facilities supplying KwaZulu Natal.

**CONFIDENTIAL - NOT FOR PUBLICATION**

2.6. The project is also aimed at aiding in reducing Eskom's carbon footprint per unit of electricity produced as power plants using natural gas emit approximately half the carbon of coal-fired power plants while using considerably less water.

2.7. CCPP will use a gas turbine generator to generate electricity and the waste heat will be used to make steam to generate additional electricity via a steam turbine.

2.8. Associated infrastructure will include the following:

- Gas turbines
- Heat recovery steam generators
- Steam turbines for the generation of additional electricity
- Condensers for conversion of steam back to water
- Bypass and exhaust stacks
- Water treatment plant for treatment of portable water and production of demineralized water
- Water pipeline and tanker
- Dry cooled systems or once-through cooling system technology
- Closed fin fan coolers to cool lubrication oil for the gas and steam turbines
- A gas pipeline and a gas pipeline supply conditions process facility
- Diesel offloading facility and storage tanks.
- Ancillary infrastructure including access roads, ware housing and buildings, storage facilities, generators and 132kV and 400kV switchyards.
- A power line to connect the Richards Bay CCPP to the national grid for the evacuation of generated electricity

### **3. COMMENTS ON PROPOSAL**

3.1. The proposed development has limited impact on reducing available agricultural lands within the Province as it is within area that is already been under local municipality control.

3.2. Even though, the proposed development is foreseen as the project that will highly have impact on surface and ground water and impact on soil and land capability.

3.3. The proposed project is within the well-developed site, which is an area that is permanently transformed so there are no foreseen agricultural activities that will be impacted upon by the proposed development.

3.4. Generally, it is important that the available land is enough for all proposed operations to avoid possible negligence of important parts that might lead to greater degradation of natural resources within the area.

3.5. Proper maintenance is essential as to meet discharge standards of Water treatment plant

3.6. Environmental management plan for such projects is important. The office notes that this is still the beginning of the whole process.

3.7. There should be a correct allocation of pipes in terms of distances from the rivers.

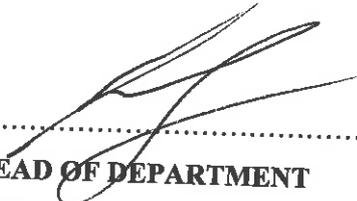
3.8. Wetlands need also to be observed and delineated as to avoid possible pollutions.

#### 4. RECOMMENDATIONS

- 4.1. A detailed report that is still to be submitted to this office, it is important that the following areas be addressed as to have a sound project view.
- 4.1.1. Type of dam and method that will be used for construction of a dam for the processed water treatment plant.
  - 4.1.2. Types and construction methods of underground tanks for fuels tanks.
  - 4.1.3. Clarity where the gas will be sourced and its disposal plan.
  - 4.1.4. Water Use License Application is logged and addressed as per National Water Act, 1998 (Act No 36 of 1988) for the proposed development.
  - 4.1.5. Proper mitigation measures are implemented and adhered to.
  - 4.1.6. Proposed development and associated infrastructure is not affecting our Natural Resources which is ground water, surface water and soils.
  - 4.1.7. CONSERVATION OF AGRICULTURAL RESOURCES ACT 43 OF 1983 should be taken into consideration with application to Paragraph 6 and 18 Subsection 1.
  - 4.1.8. Re-vegetating and rehabilitating plan of the areas that will be affected by the construction phase.
  - 4.1.9. Proper storm water management plan is also adhered to as to prevent possible soil erosions.
  - 4.1.10. The office request that detailed information and a report is sent to us with information that will clearly indicates
    - Depth of ground water on site
    - Distance from project site to the coast

#### 5. CONCLUSION.

- 5.1. Please be advised that the Provincial Department of Agriculture and Rural Development: Land Use Regulatory Component's is in support of the project but the approval is on basis of submission of a detailed report with a detailed environmental management programme.

  
.....  
**FOR HEAD OF DEPARTMENT  
AGRICULTURE AND RURAL DEVELOPMENT**

**LETTER SIGNED BY: Mr. P. H. Mans**

**DESIGNATION: Deputy Director**

**DATE: .....** 1/9/17 **.....**

**Cc Mashudu Marubini, DAFF, Fax no: 012 329 5938**

**RECEIVED BY RURAL DEVELOPMENT AND AGRICULTURE DEPARTMENT**



## environmental affairs

Department:  
Environmental Affairs  
REPUBLIC OF SOUTH AFRICA

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Tel (+ 27 12) 399 9372

DEA Reference: 14/12/16/3/3/2/1027

Enquiries: Mr Thando Booï

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Woodmead  
JOHANNESBURG  
2191

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Email Address: joanne@savannahsa.com

### PER E-MAIL / MAIL

Dear Madam

### COMMENTS ON THE DRAFT SCOPING REPORT FOR THE CONSTRUCTION OF RICHARDS BAY COMBINED CYCLE POWER PLANT AND ASSOCIATED INFRASTRUCTURE NEAR RICHARDS BAY, KWAZULU NATAL

The draft Scoping Report (SR) dated August 2017 and received by this Department on 22 August 2017 refers

This Department has the following comments on the abovementioned application:

- **Public Participation Process (PPP)**

- Please ensure that all issues raised and comments received during the circulation of the SR from registered I&APs and organs of state which have jurisdiction (***including this Department's Biodiversity Section and Air Quality Section: Contact person Ms Olga Chauke at 0123999161 [ochauke@environment.gov.za](mailto:ochauke@environment.gov.za) or Kent Buchanan at 0123998868 or [kbuchanan@environment.gov.za](mailto:kbuchanan@environment.gov.za)***) in respect of the proposed activity are adequately addressed in the final SR.
- Proof of correspondence with the various stakeholders must be included in the final SR, should you be unable to obtain comments, and proof should be submitted to the Department of the attempts that were made to obtain comments.
- The Public Participation Process must be conducted in terms of Regulations 39, 40, 41, 42, 43 & 44 of the EIA Regulations 2014, as amended.

- **Description of the identified Alternatives**

- Please provide a description of any identified alternatives for the proposed activity that are **feasible** and reasonable, including the advantages and disadvantages that the proposed activity or

alternatives will have on the environment and on the community that may be affected by the activity as per Appendix 2 of GN R.982 of 2014 as amended.

- Alternatively, you should submit written proof of an investigation and motivation if no reasonable or feasible alternatives exist in terms of Appendix 2.
- This Department requests the EAP to familiarise themselves with the requirements of Appendix 2 of GNR 982 of the EIA Regulations, 2014 as amended and ensure that the final SR submitted to this Department for consideration meets the requirements in terms of identifying, assessing and providing mitigation measures of the impacts on the alternative and preferred sites.

In addition to the above, please ensure that the climate change impact assessment study is undertaken and be incorporated in the final SR.

- **General Comments**

- Please provide three (3) cd copies and one (1) hard copies of the final scoping report.
- You are further reminded that the final SR to be submitted to this Department must comply with all the requirements in terms of the scope of assessment and content of Scoping reports in accordance with Appendix 2 and Regulation 21(1) of the amended EIA Regulations, 2014 (as amended).
- Further note that in terms of Regulation 45 of the EIA Regulations 2014, this application will lapse if the applicant fails to meet any of the timeframes prescribed in terms of these Regulations, unless an extension has been granted in terms of Regulation 3(7).

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

Yours faithfully



**Mr Sabelo Malaza**

**Chief Director: Integrated Environmental Authorisations**

**Department of Environmental Affairs**

**Signed by: Ms Olivia Letlalo**

**Designation: Control Environment Officer: Strategic Infrastructure Developments**

**Date: 15/09/2017**

cc:	Deidre Herbst	ESKOM Holding SOC Ltd	Tel: (011) 800 3501	Email: Deidre.herbst@eskom.co.za
	Musi Mdamba	KwaZulu Natal DEDTEA	Tel: (035) 780 0313	Email: musi.mdamba@kzndtea.gov.za
	Sharin Govender	City of uMhlathuze Local Municipality	Tel: (035) 907 5415	Email: Sharin.Govender@umhlathuze.gov.za



# water & sanitation

Department:  
Water and Sanitation  
REPUBLIC OF SOUTH AFRICA

Enq: Ms Nokwanda Mkhize  
Date: 04 September 2017  
File: 16/2/7/W12F/D1  
Tel: 031 336 2968  
Email: mkhizen2@dws.gov.za

P.O. Box 1018, Durban, 4000. 88 Joe Slovo Street, Southern Life Building, Durban, 4001. Tel: (031) 336 2700. Fax (031) 304 9546. [www.dws.gov.za](http://www.dws.gov.za)

Gabriele Stein  
PO Box 148  
Sunninghill  
2157

Dear Madam

**RE: ENVIRONMENTAL IMPACT ASSESSMENT (EIA) PROCESS: SCOPING REPORT (SR) FOR THE RICHARDS BAY COMBINED CYCLE POWER PLANT (CCPP) AND ASSOCIATED INFRASTRUCTURE NEAR RICHARDS BAY WITHIN UMHLATHUZE LOCAL MUNICIPALITY**

Reference is made to the above-mentioned document received by the Department of Water and Sanitation (Department) on 23 August 2017.

This Department has the following comments with regards to the proposed development which must be addressed and form part of subsequent environmental assessment process: The final document inclusive of responses to issues raised must be submitted to this Department for further review and comments.

**A) SPECIFIC COMMENTS**

**(1) Water Uses and Water Use Authorisations**

- (1.1) It is indicated on page 3 of the SR that the proposed facility will include the following infrastructure;
- a) Water Treatment Plant for the treatment of potable water and the production of demineralised water;
  - b) Storage facilities for fuel, gas, diesel and chemicals;
  - c) Water storage facilities for process water and fire fighting purposes;
  - d) A gas pipeline and a gas pipeline supply conditioning process facility;
  - e) Internal roads.

- (1.2) Reference is made to Table 4.1 of the Listed Activities on page 42 of the SR:
- a) GN 327, Activity 12: The development of infrastructure or structures with a physical footprint of...where such development occurs...within a watercourse..and;
  - b) GN 327, Activity 19: The infilling or depositing of material of more than 5 cubic meters into...a watercourse...

The above statements indicate that the proposed development activities constitute water uses. The Applicant is therefore required to apply for a Water Use Authorisation (WUA) in terms of Section 21 of the National Water Act, No. 36 of 1998 (NWA) prior to commencement.

- (1.3) According to page 31 of the Scoping report it is indicated that the source of water for the proposed development will be from the Umhlathuze Municipal Water Works. It is further indicated that **“no agreement or confirmation for the above services has been obtained as yet”**. This Department would like to request a Service Level Agreement with the Water Service Authority as it is of crucial importance. The Applicant must note that taking water from a water resource constitutes a Section 21 water use and must be authorised accordingly.

- (1.4) It is indicated on page 43 that proposed development will occur within 500m of a wetland feature. In light of this, the Applicant is required to provide this office with a legible color Layout Map for this development (preferable an A2 size or bigger). Such a map should, amongst others;

- i. Show all water courses within and around the site of interest;
- ii. Show the 1:100 year floodline of all watercourses (in and around the site) or 100m distance (whichever is greatest);
- iii. Show all wetlands (in and around the site), their delineated boundaries as well as buffer zone(s) to be applied for this development;
- iv. Superimpose ALL the activity area/project as well as infrastructure (temporary & permanent) which forms part of this development.

Futhermore...;

- a) The Applicant must note that any activity within a 500m radius from the boundary of a wetland requires a water use licence in terms of Section 21 of the NWA;
- b) A Wetland Delineation study must be conducted for all wetlands occurring on site. The delineations of the watercourse, riparian habitat and wetlands must be done according to this Department's guideline and other applicable

regulatory tools;

- c) The Applicant must conduct an impact assessment to determine the impacts that will be posed by the proposed development on the wetland of importance;
- d) Mitigation measures must also be included, outlining how the impacts will be mitigated and managed so as to not pose detrimental impact on the wetland.

(1.5) It is the responsibility of the Applicant to identify all water uses applicable to the activity in terms of Section 21 of the NWA and to ensure that all applicable water uses are authorised as such. Should the Applicant engage in any water use activity without the necessary Water Use Authorisation, it will be regarded as an unlawful water use. The Applicant will thus be guilty of an offence and liable for a fine or imprisonment as stipulated in Section 151 of the NWA. It is therefore advised that a Pre-Water Use Authorisation Application meeting be scheduled with Ms. Zamashenge Hadebe of the Water Use Authorisation Unit on (031) 336 2700/2767.

## **(2) Other issues to be addressed**

(2.1) It is indicated on page 31 of the SR that ***“all waste material generated from the development will be collected by a contractor and that the waste will be disposed of at a licensed waste disposal site off site. This service will be arranged with the municipality when required”***. This Department would like to request a Services Level Agreement (SLA) with the said Water Service Authority and proof of such disposal must be recorded and safe disposal certificates must be kept on record and made available to this Department when required.

(2.2) It is further indicated on Page 31 of the SR that ***“during construction, all sewage waste will be collected by a contractor to be disposed of at a licensed waste disposal site. This service will be arranged with the municipality when required. During operation, the facility will be connected to the municipal sewer system”***. This Department would like to emphasize that temporal or permanent toilet facilities must not be situated within 100m of a watercourse or within the 1:100 year floodline (whichever is the greatest). Furthermore, no form of secondary pollution should arise from the disposal of refuse or sewage from temporal or permanent toilets. Any pollution problems arising from the above are to be addressed immediately by the Applicant.

### **(3) GENERAL COMMENTS**

#### **(3.1) Solid Waste**

- (3.1.1) The requirements of this Department with respect to solid waste must be strictly enforced and complied with.
- (3.1.2) The applicant should note that contaminated soil or other hazardous material must be disposed of at a permitted hazardous landfill site that is authorized to accept the said material and proof of this must be made available to this Department when required.
- (3.1.3) Should private contractors be used, all solid waste must be disposed of at a permitted landfill site and proof of this must be made available to this Department when required.
- (3.1.4) This Department would like to put an emphasis that bins and/or skips should be provided at convenient intervals for disposal of waste within the construction camp. Furthermore, these refuse bins must be stored in a designated storage /or collection area prior to being safely disposed of and must not cause any surface and groundwater pollution, or pose any health hazards.
- (3.1.5) The recycling of suitable material is encouraged by this Department, provided it is properly managed.

#### **(3.2) Sewage and Wastewater Management**

- (3.2.1) Washing, refuelling, maintaining of vehicles or the transfer of hazardous substances must be conducted within a bunded area. All drainage arising from the bunded area must be treated as a water containing waste and disposed of safely.
- (3.2.2) The following is applicable should wastewater be generated during the construction phase:
- Water containing waste must not be discharged into the natural environment and;
  - Measures to contain the water containing waste and safe dispose of thereof must be implemented.

#### **(3.3) Stormwater Management**

- (3.3.1) It is imperative that there is proper management of storm water at the project site.
- (3.3.2) The Engineer or Contractor must ensure that only clean stormwater runoff enters the environment.

(3.3.3) Drainage must be controlled to ensure that runoff from the project area does not culminate in off-site pollution, flooding or result in any damage to properties downstream of any stormwater discharge point(s).

#### **(3.4) Erosion Control**

(3.4.1) This Department therefore recommends that erosion control measures must be put in place to minimise erosion along the proposed construction areas. Extra precautions must be taken in areas where the soils are deemed highly erodible.

(3.4.2) Soil erosion onsite must be prevented at all times, i.e. pre, during and post construction activities. Erosion control measures must be implemented in areas prone to erosion such as near water supply points, edges of slopes, etc. These measures could include the use of sand bags, hessian sheets, bidim, retention or replacement of vegetation.

(3.4.3) Where the land has been disturbed during construction it must be re-habilitated and re-vegetated back to an acceptable state after construction.

(3.4.4) Stockpiling of soil or any other materials used during the construction phase must not be allowed on or near steep slopes, near a watercourse or water body. This is to prevent pollution or the impediment of surface run-off. The applicant must control and establish suitable mitigation measures to prevent the erosion of residue stockpiles.

#### **(3.5) Spillages Management**

(3.5.1) There must be no unacceptable impact on the quality of both surface and groundwater in the area. If pollution of any surface or groundwater occurs, it must be immediately reported to this Department and the appropriate mitigation measures must be employed. In addition, should the proposed development impact on any groundwater and/or surface water users, then water of equal quality and quantity must be provided to the affected users.

(3.5.2) Storage of material, chemicals, fuels etc. must not pose a risk to the surrounding environment, and this includes surface and groundwater. Temporary bunds must also be constructed around chemical or fuel storage areas to contain possible spillages. Such storage areas must be located outside the 1:100 year flood-line of the water source and must be fenced to prevent unauthorized access into the area.

(3.5.3) It is important that any significant spillage of chemicals, fuels, etc. during the construction phase and/or operational phase is reported to this Office and other relevant authorities. In the event of a spill, the following steps can be taken:

- Stop the source of the spill;
- Contain the spill;
- All significant spills must be reported to this Department and other relevant authorities;
- Remove the spilled product for treatment and authorised disposal;
- Determine if there is any soil, groundwater or other environmental impact;
- If necessary, remedial action must be taken in consultation with this Department and;
- Incident must be documented.

(3.6) This Department notes the content and recommendations made on the following studies:

- The Wetland and Aquatic Ecology, dated 28 April 2017, prepared by The Biodiversity Company;
- Hydrology and Flood Line Study, dated 15 February 2017, prepared by Raws Consulting Engineers;
- Geo-Hydrology Study, dated 02 May 2017, prepared by Geo Hydraulic and Environmental Technology (Pty) Ltd

(3.7) Adequate measures must be put in place to protect all water resources that flow adjacent to, as well as through the proposed project area, from being polluted and/or degraded. Visible markings showing/demarcating the buffers must be provided on site during the construction phase. If pollution of any surface or groundwater occurs, it must be immediately reported to this Department and the appropriate mitigation measures must be employed.

(3.8) Ecological sensitive areas and their appropriate buffers must be protected and should not be degraded by the activities arising from the proposed development.

(3.9) No form of secondary pollution should arise from the disposal of sewage and refuse. The contractor must be clearly briefed on the method of disposal of such waste and

compliance must be ensured/or monitored. Any pollution problems arising from the above project is to be addressed immediately by the Applicant.

- (3.10) This Office reserves the right to inspect the site without prior notice in order to ensure that its requirements, as mentioned above, are adhered to. Should any problems be noted, measures must be undertaken immediately to rectify the situation.
- (3.11) This Department reserves the right to revise/withdraw these comments and request further information from the applicant should any other information that contradicts the above comes to light.
- (3.12) Notwithstanding the above, the responsibility rests with the Applicant to identify all sources or potential sources of pollution from the undertaking of the proposed development and to take appropriate measures to prevent any pollution of the environment. Failure to comply with the requirements of the NWA could lead to legal action being instituted against the Applicant.

Please do not hesitate to call this Office should you have any concerns, comments or queries.

Yours faithfully

 18 SEPT 2017

For Director: Institutional Establishment

NM/nm/14574



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Office A6-A7, Smart Plan Building, 95 Dollar Drive, Richards Bay  
E-mail: [info@rbcaa.co.za](mailto:info@rbcaa.co.za) Web Site: [www.rbcaa.org.za](http://www.rbcaa.org.za)

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27 September 2017

Savannah Environmental  
P.O.Box 148  
Sunninghill  
2157

**Attention: Gabriele Stein**

**RICHARDS BAY COMBINED CYCLE POWER PLANT (CCPP) AND ASSOCIATED  
INFRASTRUCTURE  
Applicant: Eskom Holdings SoC Ltd**

**COMMENT ON DRAFT SCOPING REPORT (DSR)**

The comments provided below are based on the Richards Bay Clean Air Association's (RBCAA) review of the Draft Scoping Report (DSR), prepared by Savannah Environmental, dated August 2017, and Appendices.

**PROJECT INFORMATION:**

Eskom Holdings SoC Ltd proposes to develop a Combined Cycle Power Plant (CCPP) and associated infrastructures, with a generating capacity of up to 3000MW. The Project site is located in Richards Bay Industrial Development Zone (IDZ) Phase 1D.

The purported purpose of the project is to;

- a) Reduce transmission losses from generation facilities supplying KwaZulu-Natal, by having a generation center in Kwazulu-Natal.
- b) Aid in reducing Eskom's carbon footprint per unit of electricity produced, as power plants using natural gas emit approximately half the carbon of coal-fired power plants while using considerable less water.

Registration Number 96/13031/08

Directors: Ms M. Boshoff (**Managing Director**), Ms S. Camminga,  
Mr A. Roberts, Ms Y. Chetty, Mr F. Schmidt, Mr. E. Mlambo, Mr. R. Gafoor.

The DSR lists the main infrastructure associated with the facility to include the following;

- ✓ Gas Turbines for generation of electricity through the use of natural gas or diesel.
- ✓ Heat recovery steam generators (HRSG) to produce steam.
- ✓ Steam turbines for the generation of additional electricity through the use of steam generated by the HRSG.
- ✓ Condensers for the conversion of steam back to water.
- ✓ Bypass stacks associated with each gas turbine.
- ✓ Exhaust stacks.
- ✓ A water treatment plant for the treatment of potable water and the production of demineralized water.
- ✓ A water pipeline and water tank.
- ✓ Dry-cooled system or Once-Through-Cooling system technology.
- ✓ Closed Fin-fan coolers to cool lubrication oil for the gas and steam turbines.
- ✓ A gas pipeline and a gas pipeline supply conditioning process facility.
- ✓ Diesel off-loading facility and storage tanks.
- ✓ Ancillary infrastructure including access roads, warehousing and buildings, storage facilities, generators and 132kV and 400 kV switchyards.
- ✓ A power line to connect the Richards Bay CCPP to the national grid for the evacuation of the generated facility. (Note\* The DSR states that “*The development of the power line does not form part of this EIA process*”)

The DSR goes on to state that;

- ✓ The Richards Bay CCPP will be a baseload or mid-merit plant.
- ✓ The natural gas is to be supplied via a gas pipeline to the CCPP from the supply take-off point at the Richards Bay Harbour, and that;
- ✓ The LNG Terminal at the Port does not form part of this assessment.

### **3. COMMENT**

#### **3.1 Site Alternatives:**

It is the opinion of the RBCAA that, from an environmental perspective, 3 of the 4 sites considered were unfeasible from the outset. The site selection process is therefore automatically skewed in favour of the preferred site. This issue was raised and discussed at the presentation made to the Industrial Development Zone Environmental Review Committee (IDZ ERC), of which the RBCAA is a member. The response given to the Forum was that “*The sites had been assessed from a technical perspective and not an EIA perspective*”. This assertion appears to be contradicted on page 32, Section 3.4.1 which states that “*..., 4 sites were taken forward into an environmental screening study.*”

### **3.2 Preferred Site 7:**

It is noted with extreme concern that the selected preferred site, located in IDZ 1D, has been deemed to be not acceptable from an air quality perspective.

### **3.3 Gas Pipeline:**

The gas pipeline is listed in the report as forming part of the main infrastructure associated with the facility; however the construction of the pipeline does not form part of this application.

The RBCAA does not support this approach. The location and construction of the pipeline will contribute directly to the impacts of the proposed facility, and can therefore not be excluded from the current process.

### **3.4 Gas Pipeline Supply Conditioning Process Facility (LNG Facility)**

While references are made to a possible LNG facility within the Port of Richards Bay, there is no commitment to the construction of such a facility.

Section 2.2.10 (page 15) of the report states that; *“It is envisaged that by the time construction of the proposed development is complete, more gas infrastructure will be available, such as the LNG import terminal at the Richards Bay Port.”* And goes on to say *“...the gas-fired power station in Richards Bay could acquire local gas cheaply if the infrastructure to obtain it is developed. However, as identified, the lack of said infrastructure is currently a constraint.”*

Section 3.3 (page 29) of the DSR states that; *“The natural gas is to be supplied via a gas pipeline to the CCPP from a supply take-off point at Richards Bay Harbour. The LNG terminal infrastructure at the port does not form part of the scope of this assessment.”*

Clarity is requested regarding the above statement, as the IDZ ERC was informed that the source of the natural gas is still unknown.

The RBCAA does not support the approach of proceeding with the application for a CCPP, without an established and confirmed source of natural gas.

### **3.5 Effluent Discharge:**

The impact of discharging effluent into the marine outfall pipeline must be quantified.

### **3.6 Traffic Impact Assessment:**

The report is silent on traffic impacts. A Traffic Impact Assessment must be included in the scope of Specialist Studies.

### 3.7 Diesel Storage Tanks:

The report speaks of “storage tanks” which will hold a capacity for eight (8) hours operation. It is unclear as to how many tanks will be constructed, and whether the 8 hour capacity is per tank or the cumulative holding capacity. Please may we request clarification in this regard.

### 3.8 Climate Change:

The RBCAA notes and supports the statement on page 105 that “A *Climate Change Impact Assessment will be undertaken as during the EIA phase.*”

However we note with concern that Table 4.3 (Page 52) which lists the Specialist Consultants does not include a Specialist Consultant on Climate Change.

### 3.7 Air Quality Impact Assessment – Scoping Report (Airshed Planning Professionals):

**Terms of Reference for the EIA Phase** should include the assessment of;

- a) Worst Case Scenario. Dispersion simulations for worst case scenario, which would be the plant operating solely on diesel.
- b) Fugitive Emissions.
- c) Odour.

## 4. RECOMMENDATIONS:

**The RBCAA strongly recommends that;**

1. The Gas Pipeline form part of this application.
2. CCPP application not proceed until a guaranteed source and supply of natural gas is confirmed.
3. The Air Quality Impact Assessment (AQIA) include worst case scenario, which is the plant operating solely on diesel.
4. The AQIA include the assessment of fugitive emissions and odour during operation.
5. A Climate Change Specialist be included in the list of Specialist Consultants.
6. A Specialist Traffic Impact Assessment be undertaken.

Thank you for affording the Richards Bay Clean Air Association (RBCAA) the opportunity to comment on the above proposed project.

The RBCAA reserves the right to amend and/or provide further comment.

Yours faithfully,



**MS S CAMMINGA  
CHAIRMAN EIA COMMITTEE**

## Gabriele Stein

---

**From:** Percy Langa <Percy.Langa@rbidz.co.za>  
**Sent:** 27 September 2017 13:03  
**To:** Gabriele Stein  
**Cc:** Simphiwe Mbonambi  
**Subject:** RE: UPDATE: EIA PROCESS - RICHARDS BAY COMBINED CYCLE POWER PLANT, KZN - NOTIFICATION OF AVAILABILITY OF SCOPING REPORT FOR REVIEW AND INVITATION TO PUBLIC MEETING

Dear Gabriele,

I am aware the commenting period for the Scoping Report closed on the 20<sup>th</sup> of Sep, nonetheless I would like to submit the following input –

1. The RBIDZ welcomes the proposed gas-to-power plant in the Richards Bay area. We are equally excited about future arrival LNG and its benefits for industry, businesses and households in the Zululand area, and to the rest of Province.
2. I would urge Eskom to work closely with the local municipality and Transnet as hosts of the natural gas project for R Bay.
3. I would also urge Eskom to work closely with Ezemvelo KZN Wildlife and the Department of Water and Sanitation on ecological/biodiversity and wetland issues in the R Bay area, respectively.
4. Having attended the 2<sup>nd</sup> public meeting held at the public library and later hosting your team at our ERC meeting on the same day, the Impact Assessment phase will need to address the following matters:
  - a. The need and desirability of diesel as a backup fuel for the CCGT (the ambient air quality in R Bay has challenges due to existing heavy industries)
    - i. Related matter: Traffic impact of diesel supply to the CCGT
  - b. Given that that the CCGT will be a mid-merit power plant (16 hours-a-day, 5 days-a-week), is there a justified need for a diesel backup component?
    - i. It makes sense that Eskom needs to manage the risk of associated with the reality that, for whatever reason, LNG or natural gas supply to the CCGT could be unavailable or affected – and therefore resulting in the CCGT standing idle until the gas supply is restored. Would additional storage tanks for natural gas (either at the CCGT or the LNG Import Terminal at the Port) not provide mitigation against this?
  - c. Incorporate a summary of the Site Selection study for the CCGT into the Impact Assessment Report.
  - d. Key missing pieces in the current EIA: transmission powerlines for power evacuation and incoming natural gas pipeline.
  - e. Other pieces in the current EIA:
    - i. Incoming bulk infrastructure/services (water, whether it be portable, raw or industrial)
    - ii. Outgoing bulk infrastructure/services (wastewater, effluent?, hazardous waste?, etc.)
  - f. The transfer of CCGT-related and LNG-related knowledge and skills (technical and other) to the local communities, in particular youth and women.
  - g. The current EIA process must also undertake to educate the general public on safety, health and environmental benefits of natural gas.
  - h. Lastly, we would be happy to engage with your environmental specialists to either provide information or discuss any other relevant matter.

I think that is it for now.

Feel free to contact me should you require additional information.

Regards,



The Richards Bay Industrial Development Zone offices in Tuzi Gazi, Waterfront have relocated to the new offices with effect from 28 August 2017.  
New Address: RBIDZ OFFICE COMPLEX (Old Bayside), 4 Harbour Arterial, ALTON, Richards Bay 3900

New Telephone Number is: **035 797 2600**  
Email: [info@rbidz.co.za](mailto:info@rbidz.co.za)

MOVERS

R B I D Z  
INDUSTRIAL



Percy Langa  
SHEQ Manager

Richards Bay Industrial Development Zone Company SOC Ltd  
4 Harbour Arterial Rd, Alton, Richards Bay, 3900  
T: (+27) 35 797 2600| M: (+27) 82 7072 964| W: [www.rbidz.co.za](http://www.rbidz.co.za)  
**ISO 9001 certified organisation**

This e-mail and its contents are subject to the RBIDZ SOC Ltd.

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**From:** Gabriele Stein [mailto:[gabriele@savannahsa.com](mailto:gabriele@savannahsa.com)]

**Sent:** 29 August 2017 01:44 PM

**Subject:** UPDATE: EIA PROCESS - RICHARDS BAY COMBINED CYCLE POWER PLANT, KZN - NOTIFICATION OF AVAILABILITY OF SCOPING REPORT FOR REVIEW AND INVITATION TO PUBLIC MEETING

Dear Stakeholder

Further to the correspondence below, please be advised that the venue for the **Public Meeting** to be held on **31 August 2017 at 09:00** is:

**Richards Bay Library  
03 Krugerrand Grove,  
Richards Bay  
3900**

The library is not located in Mark Strasse as was initially communicated to us by the Municipality. Apologies for the confusion caused in this regard.

Kind regards,  
Gabriele Stein

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> From: Gabriele Stein <[gabriele@savannahsa.com](mailto:gabriele@savannahsa.com)>  
> Date Sent: 21/08/2017 12.46  
> To:  
> Cc:  
> Subject: FW: EIA PROCESS - RICHARDS BAY COMBINED CYCLE POWER PLANT, KZN - NOTIFICATION OF AVAILABILITY OF SCOPING REPORT FOR REVIEW AND INVITATION TO PUBLIC MEETING

>  
Dear Stakeholder

Eskom Holdings SoC Ltd (Eskom) proposes to develop a Combined Cycle Power Plant (CCPP) and associated infrastructure with a generating capacity of up to 3000MW. The proposed project is to be known as the Richards Bay Combined Cycle Power Plant (CCPP). The Project site is to be located on Portion 2 and Portion 4 of Erf 11376 in the Richards Bay Industrial Development Zone (IDZ) Phase 1D, approximately 6km south west of Richards Bay and 4km south west of Alton which falls within the jurisdiction of the City of uMhlatuze Local Municipality and the King Cetshwayo District Municipality, KwaZulu-Natal Province. The Richards Bay CCPP is approximately 71ha in extent.

The development of the Richards Bay CCPP requires that Environmental Authorisation (EA) be obtained from the National Department of Environmental Affairs (DEA), the Competent Authority (CA), in consultation with the KZN Department of Economic Development, Tourism and Environmental Affairs (EDTEA), the Local Commenting Authority, in accordance with the National Environmental Management Act (No. 107 of 1998) (NEMA) and the provisions of the 2014 Environmental Impact Assessment (EIA) Regulations, as amended on 07 April 2017, published in GNR 324 to GNR 327.

Savannah Environmental (Pty) Ltd has been appointed as the independent Environmental Assessment Practitioner (EAP), responsible for undertaking an Impact Assessment process (Scoping and EIA) to identify and assess all potential environmental impacts associated with the project for the area as identified, and propose appropriate mitigation and management measures in an Environmental Management Programme (EMPr). As part of these environmental studies, Interested and/or Affected Parties (I&APs) will be actively involved through the public participation process.

A Scoping Report is available for review and comment. The report can be viewed at the Richards Bay Public Library, Civic Centre, 05 Mark Strasse, from **21 August 2017 – 20 September 2017**. Please refer to the attached letter for details regarding the availability of the Scoping Report for review and comment and the public meetings details.

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

Kind regards,

**Gabriele Stein**

**Public Participation and Social Consultant**

**Savannah Environmental (Pty) Ltd**

**Tel: 27 11 656 3237**

**Fax: 086 684 0547**

**Email: [gabriele@savannahsa.com](mailto:gabriele@savannahsa.com)**

**[www.savannahsa.com](http://www.savannahsa.com)**

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