

11 August 2017

Dear Stakeholder

**ENVIRONMENTAL IMPACT ASSESSMENT AND
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**

NOTICE OF ENVIRONMENTAL IMPACT ASSESSMENT PROCESS

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 purpose of the project is to reduce transmission losses from generation facilities supplying KwaZulu-Natal, by having a generation centre in KwaZulu-Natal. In addition, the project is planned to 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 considerably less water, thus supporting Government's commitment to reduce carbon emissions.

A CCPP uses a gas turbine generator to generate electricity and the waste heat is used to make steam to generate additional electricity via a steam turbine. The CCPP is one of the most efficient power generating facilities to convert either gas or diesel fuel to mechanical power or electricity. In other words gas or diesel is burnt in a gas turbine producing both electrical power via a coupled generator and fairly hot exhaust gases. These hot exhaust gases pass through a water-cooled heat exchanger to produce steam, which can be turned into electric power with a coupled steam turbine and generator.

The main infrastructure associated with the Richards Bay CCPP includes the following:

- » Gas turbines for the 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 demineralised 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 400kV switchyards.
- » A power line to connect the Richards Bay CCPP to the national grid for the evacuation of the generated electricity.

ENVIRONMENTAL IMPACT ASSESSMENT PROCESS

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.

The department and/or the organisation which you represent has been identified as a commenting authority for the proposed project. In this regard, please can you provide us with the name and contact details of the relevant contact person at your department who we would liaise with regarding this project. By registering on the project database, you will receive all information relating to the project and will be provided with an opportunity to provide comment and input into the EIA process.

Please do not hesitate to contact us should you require additional information and/or clarification regarding the project. Our team welcomes your participation and looks forward to your involvement throughout this process.

Kind regards

Gabriele Stein
Public Participation and Social Consultant
Savannah Environmental
Email: gabriele@savannahsa.com

DEVELOPMENT OF THE RICHARDS BAY COMBINED CYCLE POWER PLANT (CCPP) AND ASSOCIATED INFRASTRUCTURE ON A SITE NEAR RICHARDS BAY, KWAZULU-NATAL PROVINCE - NOTIFICATION OF EIA PROCESS



Forward

Assigned to: Gabriele Stein

Date Sent: 11/08/2017 16.44

Teams: Global

Project: Richard's Bay CCGT Power Plant, KZN

From: Gabriele Stein <gabriele@savannahsa.com>

To:

Cc:

Bcc: Amanda Bester <wayleacr@telkom.co.za>, Ishaan Ramklown <ramklowni@nra.co.za>, Samantha Ralston-Paton <energy@birdlife.org.za>, Nonhlanhla Myeni <nonhlanhla.myeni@kzndard.gov.za>, Simon Gear <advocacy@birdlife.org.za>, Innocent Hlongwana <innocent@tikzn.co.za>, Nozipho Khathi <khathin@uthungulu.co.za>, Musi Mdamba <mdambam@kznded.gov.za>, Leonard Shaw <shawls@telkom.co.za>, Simphiwe Khumalo <siphwiwe.khumalo@nersa.org.za>, Sharin Govender <sharin.govender@umhlathuze.gov.za>, Judy Marx <marxj@nra.co.za>, John Geeringh <john.geeringh@eskom.co.za>, Dominic Wieners <eia@kznwildlife.com>, Nontokozo Hlongwa <hlongwan@uthungulu.co.za>, Lizell Strohl <strohl@caa.co.za>, Sam Vuleka <sam.vuleka@dpw.gov.za>, N Mdluli <lynn.boucher@drdlr.gov.za>, Wilma Lutsch <wlutsch@environment.gov.za>, Samuel Masemola <dgooffice@drdlr.gov.za>, Sikhali Mathenjwa <mathenjwas@kznded.gov.za>, Donald Nkadameng <donald.nkadameng@nersa.org.za>, Mokgadi Modise <mokgadi.mathekgane@energy.gov.za>, Coleen Moonsamy <moonsamyc@dwa.gov.za>, Thandekile Nxumalo <thandekile.nxumalo@kzndard.gov.za>, M Mdamba <mmdamba@umhlathuze.co.za>, Brenda Strachan <strachanb@umhlathuze.gov.za>, Kershia Ramsern <ramsernk@kznded.gov.za>, Phindile Langazane <phindile.langazane@kznwildlife.com>, City Mokoena <mokoena@c@umhlathuze.gov.za>, W Mpofu <mpofuw@uthungulu.co.za>, Nqobile Njoko <nqobile.njoko@dmr.gov.za>, Sibusiso Gumbi <busi.ngcobo@kzntransport.gov.za>, Tamai Hore <tamai.hore@nersa.org.za>, Nozizwe Makgalemele <nozizwe.makgalemele@drdlr.gov.za>, Tsholofelo Moreosele <moreosto@eskom.co.za>, Bernadet Pawandiwa <bernadetp@amafapmb.co.za>, Mashudu Marubini <mashuduma@daff.gov.za>, Pheladi Masipa <pheladi.masipa@energy.gov.za>, Zoleka Zikhali <zikhali@z@energy.gov.za>

Subject: DEVELOPMENT OF THE RICHARDS BAY COMBINED CYCLE POWER PLANT (CCPP) AND ASSOCIATED INFRASTRUCTURE ON A SITE NEAR RICHARDS BAY, KWAZULU-NATAL PROVINCE - NOTIFICATION OF EIA PROCESS

Body: 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 uMhlathuze Local Municipality and the King Cetshwayo District Municipality, KwaZulu-Natal Province.

The purpose of the project is to reduce transmission losses from generation facilities supplying KwaZulu-Natal, by having a generation centre in KwaZulu-Natal. In addition, the project is planned to 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 considerably less water, thus supporting Government's commitment to reduce carbon emissions.

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. Please refer to the attached notification letter and background information document for further details regarding the project. Please complete and return the attached Reply Form to register as an I&AP on the project's database.

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

Kind regards,

Savannah Environmental (Pty) Ltd**Tel: 27 11 656 3237****Fax: 086 684 0547****Email: gabriele@savannahsa.com****www.savannahsa.com**☐ Show Plain Text

Attachments: [Eskom CCGT Notification Letter - Organs of State 11.08.17.pdf](#)
[Reply Form.pdf](#)
[Richards Bay CCPP BID.pdf](#)

Projects

Create

(1 - 1 of 1)

Name	Assigned To	Start Date:	End Date:	
Richard's Bay CCGT Power Plant, KZN	Gabriele Stein	01/04/2017	30/04/2018	edit

Attachments

(1 - 3 of 3)

Subject	Contact	Last Modified	
Eskom CCGT Notification Letter - Organs of State_11.08.17.pdf		11/08/2017 16.44	edit
Reply Form.pdf		11/08/2017 16.44	edit
Richards Bay CCPP BID.pdf		11/08/2017 16.44	edit

Activities

(0 - 0 of 0)

Subject	Status	Contact	Due Date	Assigned User
No Data				

Accounts

Create

(0 - 0 of 0)

Account Name	Town/City	Phone
No Data		

Contacts

Create

(0 - 0 of 0)

Name	Organisation	Email
No Data		

Email Stakeholders

Users

Select

(0 - 0 of 0)

Name	User Name	Email	Phone
No Data			

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From: <Gabriele Stein <gabriele@savannahsa.com>>
Subject: **DEVELOPMENT OF THE RICHARDS BAY COMBINED CYCLE POWER PLANT (CCPP) AND ASSOCIATED INFRASTRUCTURE**
Date Sent by Sender: 17/08/2017 11:33
To: Vuyo Keswa <vuyo.keswa@transnet.net>
From Local System: [Eskom CCGT Notification Letter - Organs of State_11.08.17.pdf](#)
[Richards Bay CCPP BID.pdf](#)
[Reply Form.pdf](#)

Dear Vuyo Keswa

Thank you for responding to my email request. As discussed Savannah Environmental would like to meet with you to discuss the Richards Bay infrastructure. I will send a separate meeting invitation as discussed. Further information on the project is provided below.

Eskom Holdings SoC Ltd (Eskom) proposes to develop a Combined Cycle Power Plant (CCPP) and associated infrastructure with a gas engine (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) the City of uMhlathuze Local Municipality and the King Cetshwayo District Municipality, KwaZulu-Natal Province.

The purpose of the project is to reduce transmission losses from generation facilities supplying KwaZulu-Natal, by having a generation capacity produced, as power plants using natural gas emit approximately half the carbon of coal-fired power plants while using considerably less water.

The development of the Richards Bay CCPP requires that Environmental Authorisation (EA) be obtained from the National Department of Environmental Affairs (EDTEA), the Local Commenting Authority, in accordance with the National Environmental 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 the project associated with the project for the area as identified, and propose appropriate mitigation and management measures in an Environmental Impact Assessment (EIA) to be actively involved through the public participation process. Please refer to the attached notification letter and background information I&AP on the project's database.

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

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