

RICHARDS BAY GAS-TO-POWER 3 2000MW COMBINED CYCLE POWER PLANT, RICHARDS BAY IDZ ZONE 1F, RICHARDS BAY, KWAZULU-NATAL PROVINCE

Public Participation Process Report

November 2021

savannah
environmental

t +27 (0)11 656 3237

f +27 (0)86 684 0547

e info@savannahsa.com

w www.savannahsa.com

Prepared for:

Phakwe Richards Bay Gas Power 3 (Pty) Ltd
Sixth Floor, Building 1
Hertford Office Park
90 Bekker Street,
Vorna Valley
Midrand
1686

Prepared by:

savannah
environmental

REPORT DETAILS

Report Type	Public Participation Process Report
Project Name	Environmental Impact Assessment for the Richards Bay Gas-to-Power 3 2000MW Combined Cycle Power Plant, Richards Bay IDZ Zone 1F, Richards Bay, KwaZulu-Natal Province
Project Code	SE2662

Prepared by:

Name	Responsibility	Date
Nicolene Venter	Author	November 2021
Nondumiso Bulunga	Reviewer	November 2021

Report Revision : Revision 0

COPYRIGHT RESERVED

This public participation report has been produced for Phakwe Richards Bay Gas Power 3 (Pty) Ltd. The intellectual property contained in this report remains vested in Savannah Environmental (Pty) Ltd. No part of the report may be reproduced in any manner without written permission from Savannah Environmental (Pty) Ltd or Pakwe Richards Bay Gas Power 3 (Pty) Ltd.

TABLE OF CONTENTS

	PAGE
REPORT DETAILS	i
Chapter 1 INTRODUCTION	1
Chapter 2 PUBLIC PARTICIPATION PROCESS OBJECTIVES	1
Chapter 3 PUBLIC PARTICIPATION PROCESS.....	2
Chapter 4 PROCESS FOLLOWED	2
Chapter 5 KEY COMMENTS RAISED	3
Chapter 6 DECISION-MAKING PHASE	3

LIST OF TABLES

Table 1 included appendices as part of this proof of consultation.	1
---	---

LIST OF APPENDICES

- C1- Approved Public Participation Plan
- C2- I&AP Database
- C3- Public Media Report
- C4- Background Information Document
- C5: Organs of State Correspondence
- C6- I&AP Correspondence
- C7- Comments Received
- C8- Meeting Notes
- C9- Comments and Responses Report

TERMINOLOGY/DEFINITIONS

- Scoping** In accordance with the Environmental Impact Assessment (EIA) Regulations, this scoping process aimed at identifying and evaluating potential issues associated with the proposed project, and defining the extent of studies required within the EIA. The Scoping Phase includes the identification of potential issues associated with the proposed project through a desktop study (including limited field work) and consultation with affected parties and key stakeholders. Areas of sensitivity within the broader project site are identified and delineated in order to identify any environmental fatal flaws, and sensitive or no-go areas.
- Interested and Affected Parties** Means an interested and affected party contemplated in section 24(4)(d) of the Act, and which in terms of that section includes – • any person, group of persons or organizations interested in or affected by an activity; and • any organ of state that may have jurisdiction over any aspect of the activity.
- Public Participation Process** Means a process in which the broader public, including interested and affected parties, are given an opportunity to be informed of a proposed application, invite them to comment on, or raise issues relevant to specific matters applicable to an application.
- Stakeholders** A sub-group of the public whose interests may be positively or negatively affected by a proposal or activity and/or who are concerned with a proposal or activity and its consequences within the project study area. "Key stakeholders" are a smaller sub-group of I&APs. They are people who stand to be directly affected, representatives acting as spokespersons for their sectors, people whose local knowledge is important, people who may want to derail the process for personal gain, and all those who think they are key stakeholders.

***Definitions taken from NEMA EIA Regulations, 2014, as amended, and other
Guideline Information Documents***

CHAPTER 1 INTRODUCTION

Phakwe Richards Bay Gas Power 3 (Pty) Ltd (PRBGP3) proposes the development of a combined cycle (CC) gas to power plant, with a capacity of up to 2 000MW, on various erven within the Richards Bay IDZ Phase 1F, Richards Bay. The proposed project is to be known as the Phakwe Richards Bay Gas Power 3 CCPP. The project site is located approximately 5km north-east of Richards Bay and 1km north of the suburb of Alton, within the jurisdiction of the City of uMhlathuze Local Municipality and the King Cetshwayo District Municipality, KwaZulu-Natal Province. The power plant will operate at mid-merit to baseload duty and will include the following main infrastructure:



- » A number of gas turbines for the generation of electricity through the use of natural gas (liquid or gas forms), or a mixture of Natural gas and Hydrogen (in a proportion scaling up from 20% H2) as fuel source, operating all turbines at mid-merit or baseload (estimated 16 to 24 hours daily operation).
- » Exhaust stacks associated with each gas turbine.
- » A number of Heat Recovery Steam Generator (HRSG) to generate steam by capturing the heat from the turbine exhaust.
- » A number of steam turbines to generate additional electricity by means of the steam generated by the HRSG.
- » The water treatment plant will demineralise incoming water from municipal or similar supply to the gas turbine and steam cycle requirements. The water treatment plant will produce two parts demineralised water and reject one-part brine, which will be discharged to the R IDZ stormwater system.
- » Steam turbine water system will be a closed cycle with air cooled condensers. Make-up water will be required to replace blow down.
- » Air cooled condensers to condensate used steam from the steam turbine.
- » Compressed air station to supply service and process air.
- » Water pipelines and water tanks for storage and distributing of process water. (Potential sourcing of alternative water outside RB IDZ supply (Municipality))

The sharing of information forms the basis of the Public Participation Process (PPP) and offers the opportunity for Interested and Affected Parties (I&APs) to become actively involved in the Scoping process from the outset. The public participation process is designed to provide sufficient and accessible information to Interested and Affected Parties (I&APs) in an objective manner.

This report provides a synopsis of the PPP undertaken with the support of the following appendices as part of the proof of evidence for the project:

Table 1 included appendices as part of this proof of consultation.

Appendix	Relevance
C1- Approved Public Participation Plan 	The approved public participation plan is a compliance with regulation GNR660 published on 05 June 2020 in terms of the Disaster Management Act (57/2002) and titled: Directions Regarding Measures to Address, Prevent and Combat the Spread of COVID-19 Relating to National Environmental Management Permits and Licences. In

	<p>compliance with section 5.1 and annexure 2 of these regulations, a public participation plan has been submitted to the competent authority (DFFE) and was approved on 11 November 2021.</p>
<p>C2- I&AP Database</p>	<p>Regulation 42 where a database of the project affected parties is developed including directly affected and greater surrounding area for Interested and Affected Parties</p>
<p>C3- Public Media Report</p> 	<p>This Appendix includes proof of all public media documents as part of this project including sites notices, process notices (various public places within the study area), newspaper advertisements and radio advertisements. Regulation 40(1), Regulation 40(3) and Regulation 43 of NEMA requires all potential or registered interested and affected parties, including competent authority have access to project related information.</p>
<p>C4-Background Information Document</p>	<p>Regulation 40 (2) requires that all project information be provided and be accessible as part of consultation. The Background Information is document that is provided to all I&APs providing the description of the proposed document; providing an overview of the environmental regulatory process to be undertaken, the Public Participation details in accordance with legislation and inviting all I&APs to register and provide comments. The BID was distributed 12 November 2021.</p>
<p>C5: Organs of State Correspondence</p> 	<p>Regulation 40(2) - Provide access to all project information that has the potential to influence any decision regarding the application, unless protected by law, and must include consultation with Competent Authority, Organs of State & registered I&APs. This appendix includes all correspondence between Savannah and any organ of state who may commented on the project.</p>
<p>C6- I&AP Correspondence</p>	<p>Regulation 40(2) - Provide access to all project information that has the potential to influence any decision regarding the application, unless protected by law, and must include consultation with Competent Authority, Organs of State & registered I&APs. This appendix includes all correspondence between Savannah and any stakeholder including any I&P who may commented on the project.</p>

CHAPTER 2 PUBLIC PARTICIPATION PROCESS OBJECTIVES

Public participation is an essential and regulatory requirement for an environmental authorisation process and is guided by Regulations 41 to 44 of the EIA Regulations 2014 (GN R326) (as amended). The purpose of public participation is clearly outlined in Regulation 40 of the EIA Regulations 2014 (GN R326), as amended, and is being followed for this proposed project.

The following objectives; for the environmental process is listed below:

- » information containing all relevant facts in respect of the proposed projects is made available to potential stakeholders and I&APs;
- » participation by I&APs is facilitated in such a manner that all potential stakeholders and I&APs are provided with a reasonable opportunity to comment on the proposed projects; and
- » comments received from potential stakeholders and I&APs are recorded and incorporated into the EIA process.

This Public Participation Process Report (PPPR) includes the following information:

Chapter 1: Public Participation Process

Chapter 2: Public Participation Process Objectives

Chapter 3: Public Participation Process

Chapter 4: Process Followed

Chapter 5: Key Issues Raised

Chapter 6: Decision Making Phase

As part of the support to this PPPR for the Public Participation Process (PPP) Appendix C as part of the proof of consultation.

As part of the PPP, the consultation during the environmental regulatory process has been detailed below.

CHAPTER 3 PUBLIC PARTICIPATION PROCESS

During the PPP, the following core PP activities were undertaken:

- » Stakeholders and I&APs were identified, and a database was developed to capture their information;
- » Background Information Document (BID) and letters were distributed to all registered I&APs together with the placement of a newspaper advert and site notices;
- » The Scoping Report and associated documentation were made available for public comment for a period of 30 days;
- » Consultation with I&APs was undertaken (including various meetings held during the Scoping public commenting period);
- » Provide I&APs opportunities to comment on specialist findings, impact assessments and recommendations;
- » Suggestions, comments, and concerns from I&APs were collated and recorded in the Comments and Response Report (C&RR); and
- » Inform and consider specialists and the proponent of I&APs comments.

CHAPTER 4 PROCESS FOLLOWED

The first step in the public participation process was to identify relevant stakeholders and I&APs. This process was undertaken through utilising Savannah Environmentals' existing contacts and databases, recording responses to site notices and newspaper advertisements, as well as liaison with potentially affected parties¹ in the greater surrounding area, and a registration process involving the completion of a reply form distributed with the Background Information Document.

The legislative requirements indicates that specific media / materials be utilised as part of the PPP. Over and above the legislative requirements, the following media have been utilised for the PPP to inform stakeholders of the proposed project (refer to Table 1 for further details). Copies of the various Public Participation media/ materials used during the Scoping process have been included as Appendices.

The methodological flow for the public involvement followed:

¹ Liaison with potentially affected parties' forms part of Regulation 42 which requires a project database. The I&APs part of the greater surrounding areas were identified through a process of networking and referral, also obtaining information from Savannah Environmental existing database.

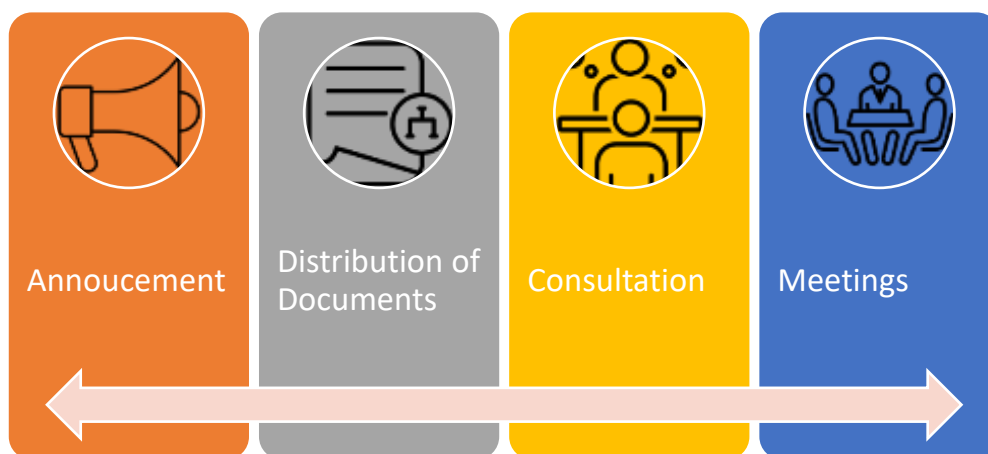


Figure 1: Methodological process flow for public involvement

CHAPTER 5 KEY COMMENTS RAISED

All comments raised by Organs of State who have jurisdiction in respect of the project and I&APs during the Scoping phase of the Environmental Impact Assessment (EIA) process and written comments submitted on the Scoping Report will be captured in the C&RR.

Comments raised at meetings to be held will be included in **Appendix C7** of the final Scoping Report.

CHAPTER 6 DECISION-MAKING PHASE

The Department of Forestry, Fisheries, and the Environment as the competent authority, will issue a decision relating to the Environmental Authorisation for the proposed project once the Final Environmental Impact Assessment has been reviewed. The decision will be communicated to all registered I&AP's as prescribed by legislation.

APPENDIX C1:
Public Participation Plan and Approval

PUBLIC PARTICIPATION PLAN

THE CONSTRUCTION AND OPERATION OF 2000MW PHAKWE RICHARDS BAY GAS POWER 3 COMBINED CYCLE POWER PLANT WITHIN THE RICHARDS BAY INDUSTRIAL DEVELOPMENT ZONE, UMTHLATHUZE LOCAL MUNICIPALITY IN THE KWAZULU NATAL PROVINCE

Application to be submitted

The restrictions enforced in terms of Government Gazette 43096 which placed the country in a national state of disaster limiting the movement of people to curb the spread of the COVID-19 virus has placed some limitations on the commencement and continuation of the public consultation as part of an EIA process. Considering these limitations, the following consultation process has been designed and will be implemented, on approval by the DEA, to cater for the conducting of the public participation process which includes I&APs, the competent authority, directly impacted landowners/occupiers, adjacent landowners/occupiers, relevant Organs of State departments, Municipalities, ward councillors and other key stakeholders.

Project Details:

Phakwe Richards Bay Gas Power 3 (Pty) Ltd (PRBGP3) intends on developing a combined cycle (CC) gas to power plant, with a capacity of up to 2,000MW, located on various erven within the Richards Bay IDZ phase 1F, Richards Bay, KwaZulu Natal.

The power plant will operate at mid-merit or baseload duty and will include the following main infrastructure:

- » A number of gas turbines for the generation of electricity through the use of natural gas (liquid or gas forms), or a mixture of Natural gas and Hydrogen (in a proportion scaling up from 20% H₂) as fuel source, operating all turbines at mid-merit or baseload (estimated 16 to 24 hours daily operation).
- » Exhaust stacks associated with each gas turbine.
- » A number of Heat Recovery Steam Generator (HRSG) to generate steam by capturing the heat from the turbine exhaust.
- » A number of steam turbines to generate additional electricity by means of the steam generated by the HRSG.
- » The water treatment plant will demineralise incoming water from municipal or similar supply, to the gas turbine and steam cycle requirements. The water treatment plant will produce two parts demineralised water and reject one-part brine, which will be discharged to the R IDZ stormwater system.
- » Steam turbine water system will be a closed cycle with air cooled condensers. Make-up water will be required to replace blow down.
- » Air cooled condensers to condensate used steam from the steam turbine.
- » Compressed air station to supply service and process air.
- » Water pipelines and water tanks for storage and distributing of process water. (Potential sourcing of alternative water outside RB IDZ supply (Municipality))
- » Water retention pond
- » Closed Fin-fan coolers to cool lubrication oil for the gas turbines
- » Gas generator Lubrication Oil System.

- » Gas pipeline supply conditioning process facility. Please note, gas supply will be via dedicated pipeline from the proposed Transnet supply pipeline network of Richards Bay (the location of this network has not yet been confirmed) or, alternatively directly from the Regasification facilities at RB Harbour. The gas pipeline will be separately authorized.
- » Site water facilities including potable water, storm water, waste water
- » Fire water (FW) storage and FW system
- » Diesel emergency generator for start-up operation.
- » Onsite fuel conditioning including heating system.
- » All underground services: This includes stormwater and wastewater.
- » Ancillary infrastructure including:
 - Roads (access and internal);
 - Warehousing and buildings;
 - Workshop building;
 - Fire water pump building;
 - Administration and Control Building;
 - Ablution facilities;
 - Storage facilities;
 - Guard House;
 - Fencing;
 - Maintenance and cleaning area;
 - Operational and maintenance control centre;
- » Electrical facilities including:
 - Power evacuation including GCBs, GSU transformers, MV busbar, HV cabling and 1x275kV or 400kV GIS Power Plant substation.
 - Generators and auxiliaries;
 - Subject to a separate environmental authorisation application:
 - Eskom 275 or 400kV GIS interface Substation
 - Underground 275 or 400kV power cabling connecting Power Plant GIS substation and Eskom GIS Interface substation.
 - an overhead 275kV or 400kV power line connecting the ESKOM interface substation to the selected Eskom grid connection point;
- » Service infrastructure including:
 - Stormwater channels;
 - Water pipelines
 - Temporary work areas during the construction phase (laydown areas)
 - Fuel supply
 - A dedicated pipeline to connect into an on-site gas receiving and conditioning station will provide the natural gas or the mixture of natural gas and Hydrogen. The pipeline will be connected to the proposed Transnet supply pipeline network of Richards Bay (the location of this network has not yet been confirmed), or it will extend directly to the Regasification facilities in the RB Harbour
 - The dedicated pipeline will be separately environmentally authorized.

The development is proposed on the following properties, situated within Phase 1F of the Richards Bay Industrial Development Zone (RIDZ) located approximately 5km north east of Richards Bay and 1km north of the suburb of Alton:

Erf Name	Surveyor General Erf No.	Surveyor General Portion No.	SG 21-digit ID	RBIDZ plot allocation
Unnamed	16674	0	N0GV04210001667400000	Erf 16674
Unnamed	9042	0	N0GV04210000904200000	Service infrastructure (water servitude)
Unnamed	8822	0	N0GV04210000882200000	Erf 16819
Unnamed	8821	0	N0GV04210000882100000	Erf 16820
Unnamed	8820	0	N0GV04210000882000000	Erf 17442

The project site is situated in the City of uMhlathuze Local Municipality which falls within jurisdiction of the King Cetshwayo District Municipality, KwaZulu-Natal Province.

In terms of Sections 24 and 24D of the National Environmental Management Act (No 107 of 1998), as read with the EIA Regulations (2014), as amended on 07 April 2017, of GN R324 to GN R327, a Scoping and EIA is required to be undertaken for the proposed project.

Public Participation Plan:

The public participation (PP) process will be undertaken in accordance with the requirements of Regulations 39 to 44 of the EIA Regulations, 2014, as amended, (GNR 326). The aim of the public participation process is primarily to ensure that:

- » information containing all relevant facts in respect of the proposed project is made available to potential stakeholders and I&APs;
- » participation by I&APs is facilitated in such a manner that all potential stakeholders and I&APs are provided with a reasonable opportunity to comment on the proposed project; and
- » comments received from potential stakeholders and I&APs are recorded and incorporated into the EIA Assessment process.

The traditional means and opportunities available for the undertaking of public participation are still covered and implemented as part of this plan considering the current limitations in terms of the Regulations to limit risks associated with COVID-19. Alternative means of undertaking consultation has been designed and will be implemented by Savannah Environmental to ensure that I&APs are afforded sufficient opportunity to raise comments on the project through an interactive web-based platform readily available and accessible to any person illustrating interest in the project and enables the public participation process to be undertaken in line with Regulations 41 to 44 of the EIA Regulations, 2014, as amended.

The use of online tools enables stakeholders and I&APs to explore the project-specific content in their own time and allows them to participate in a meaningful way in the consultation process. The online platform allows for project information to be shared and made available. The online stakeholder engagement platform allows the Environmental Assessment Practitioner (EAP) to visually present details regarding the project and our consultation documentation, including project maps and plans, presentations and posters regarding the project, and reports available for review.

Access to the project documentation via the Savannah Environmental website will be unrestricted to all I&APs. I&APs wanting to access the project information via this portal will be required to register and will receive a unique code (via an automated system) to access the report of interest. This step and the online portal support the EAP in maintaining a complete and accurate record and database of all parties who

have interest in the project (and who choose to access the report via the online portal), in line with the requirements of the Regulations.

The online stakeholder engagement platform considers the limitations applied by the Disaster Management Act Regulations prohibiting the gathering of people, as well as limitations which certain I&APs may have in terms of access to computers and internet as well as access to public spaces not open for operation or which have restricted access.

The benefits of the online stakeholder engagement platform include:

- Ability to create a dedicated project-specific online platform to enable easy access to project-related information.
- Ability to reach a wider audience, allowing more widespread consultation for major infrastructure projects.
- Allowing stakeholders and I&APs the opportunity to engage on a project without leaving their office or home.
- Enabling stakeholders and I&APs to register their interest in a project (for inclusion on the project database), and automatically gaining access to comprehensive project documentation.
- Enabling the EAP to maintain a complete database of I&APs through maintaining a record of persons accessing the online stakeholder consultation platform.
- Enabling the EAP and stakeholders/I&APs to meet virtually.

Where I&APs do not have the applicable facilities (i.e. access to internet, mobile phones, or computers), provision has been made to include these I&APs in the consultation process by consulting with the Ward Councillor, the ward committee members, community representatives and local community forum members. Hard copy documentation can be made available but will only be provided where appropriate sanitary conditions can be maintained.

The schematic illustration overleaf provides an overview of the tools that are available to I&APs and stakeholders to access project information and interact with the public participation team to obtain project information and resolve any queries that may arise, and to meet the requirements for public participation.

i. Stakeholder identification and register of I&APs	<ul style="list-style-type: none">• Register as an I&AP on the online platform, via completion of a form and provision of contact information, by responding to an advert, or sending a 'please call me' which will be responded to• State interest in the project• Receive all project related information via email or other appropriate means.
ii. Advertisements and notifications	<ul style="list-style-type: none">• Newspaper advertisements and/or radio live reads, site notices, written notifications provide information and details on where to access project information.• Notifications regarding the EIA processes and availability of project reports for public review to be sent via email, post or SMS notifications.
iii. Public Involvement and consultation	<ul style="list-style-type: none">• Availability of project information via the online platform or other appropriate means.• An opportunity for I&APs and stakeholders to request virtual meetings with the project team.
iv. Comment on the Scoping & EIA reports	<ul style="list-style-type: none">• Availability of the project reports via the online platform for a minimum 30-day comment period.• Submission of comments via email or post to the PP team.• Comments recorded and responded to, as part of the process.
v. Identification and recording of comments	<ul style="list-style-type: none">• Comments and Responses Report, including all comments received throughout the process to be included in the reporting.

The PP plan, as set out in the table below, has been drafted for the above-mentioned projects to ensure compliance with the requirements of the EIA Regulations and that reasonable opportunity is provided to I&APs and that all administrative actions are reasonable. Proof of all notifications will be included in the public participation appendix included in the Scoping and EIA reports.

The PP plan is submitted to the DFFE for discussion and agreement before the PP process is undertaken for the proposed project.

Public Participation Plan: Discussion of approach and methodology to meet the requirements of the Regulations

Regulation	Approach & Methodology to meet requirements
<p>Regulation 40(1), Regulation 40(3) & Regulation 43 – provide all potential or registered interested and affected parties, including the competent authority, access to project related information, access to the Scoping and EIA reports which will be made available for a period of at least 30 days to submit comments on draft reports prior to submission of final reports for decision-making.</p>	<p><u>Notification of EIA (S&EIR) process to be undertaken for application for Environmental Authorisation (EA) to be distributed using the following means:</u></p> <ul style="list-style-type: none"> • E-mail • Dedicated project page on the Savannah Environmental online platform • Site notices • Advertisement in the printed media (combined with DSR advert). <p><u>Notification of availability of report and period for review using the following means:</u></p> <ul style="list-style-type: none"> • Newspaper advert, including details of where the report can be accessed and details of the Savannah Environmental website. • Notification letter (to be sent via email, fax or post) to registered I&APs. • Notifications to communities via any of the following, where available: Ward Councillor, ward committee members, identified and confirmed community representatives, and local community forum members. • SMS and/ or WhatsApp notifications where no other means are available. <p><u>Availability of report for review:</u></p> <ul style="list-style-type: none"> • Report available on the Savannah Environmental website for download. • Electronic copies can be made available to parties via a secure Dropbox link that will be emailed upon request for the documentation. • CDs or USBs to be posted, if requested. • Hard copy report to be available only where appropriate sanitary conditions can be maintained. • Report will be submitted to the DFFE using the DFFE online portal. • Report will be submitted to Organs of State and commenting authorities via an agreed electronic platform (such as on CD, or via a secure Dropbox link). <p><u>Submission of comments to PP team:</u></p> <ul style="list-style-type: none"> • Written comments can be submitted via email, post or fax. • Any comments provided telephonically or via instant message will be transcribed and recorded as formal comments.

Regulation	Approach & Methodology to meet requirements
	<p><u>Opportunity and means of consultation where applicable facilities are not available to I&APs:</u></p> <ul style="list-style-type: none"> • Post (where email or telephonic consultation is not available) • Placement of site Notices. • Advertisement in printed media (local newspaper). • Consultation and communication through one of the following, where available: the ward councillor, ward committee members and confirmed community representatives and local community forum members. • SMS or WhatsApp notification. • CDs to be posted, if requested (and where a computer is available). • Hard copy report only where sanitary conditions can be maintained and requested.
<p>Regulation 40(2) - Provide access to all project information that has the potential to influence any decision regarding the application, unless protected by law, and must include consultation with Competent Authority, Organs of State & registered I&APs.</p> <p>Regulation 41(6) – Relevant information available and accessible</p>	<p>Provision of project information and consultation via various means including:</p> <ul style="list-style-type: none"> • Telephonic consultation. • Email correspondence. • Correspondence sent via post where email or telephonic means are not available. • SMS and/or WhatsApp. • The Savannah Environmental online stakeholder engagement platform will include the following: <ul style="list-style-type: none"> ○ A means to register on the project database and provide details of their interest in the project ○ Project maps (as applicable) • Virtual meetings using an appropriate platform agreeable to all parties (such as Zoom, Skype or Teams). The meeting will be recorded and the attendees' details captured in an attendance register. Confirmation of their attendance will also be requested by e-mail and the correspondence will be included in the report. • Communities will be consulted via one of the following, where available: the relevant Ward Councillor, ward committee members, community representative or local community forum members, as determined and confirmed during the consultation process. <p><u>Opportunity and means of consultation where applicable facilities are not available to I&APs:</u></p> <ul style="list-style-type: none"> • Telephonic consultation

Regulation	Approach & Methodology to meet requirements
	<ul style="list-style-type: none"> • Post (where email or telephonic means are not available) • SMS and/or WhatsApp • Consultation and communication through one of the following, where available: the ward councillor, ward committee members and confirmed community representatives and local community forum members.
Regulation 41(2)(a) – Site notice	<ul style="list-style-type: none"> • Site notices will be placed at affected properties by the EAP, landowner or specialist, depending on specific travel restrictions applicable at the time. • Size and content will be in accordance with Regulation 41(3) & 41(4).
Regulation 41(2)(b) – Written notification to affected and neighbouring landowners and occupiers; municipality; ward councillors; Organs of State & other parties required by the CA	<ul style="list-style-type: none"> • Notification letter to be sent via email, fax or post. <p><u>Opportunity and means of consultation where applicable facilities are not available to I&APs:</u></p> <ul style="list-style-type: none"> • Post (where email or telephonic means are not available) • SMS or WhatsApp notification.
Regulation 41(2)(c) – (e) – Advertisements	<ul style="list-style-type: none"> • Advert to be placed in a local newspaper and/or live reads to be undertaken on an appropriate local radio station.
Regulation 42 – Project database	<ul style="list-style-type: none"> • I&APs to be identified through a process of networking and referral, obtaining information from the Savannah Environmental existing stakeholder database, liaison with potentially affected parties in the greater surrounding area and a registration process involving the completion of a reply form. • Organs of State, key stakeholders and affected and surrounding landowners will be identified and registered on the project database. • Other stakeholders will be required to formally register their interest in the project through either directly contacting the Savannah Environmental Public Participation team via email or fax or use of the Savannah Environmental website. • In order to access the Savannah Environmental online platform for a specific project, I&APs will be required to provide their details such that they are automatically registered on the project database. • The register of I&APs will contain the names of: <ul style="list-style-type: none"> ○ all persons who requested to be registered on the database through the use of the Savannah Environmental website, or in writing and disclosed their interest in the project;

Regulation	Approach & Methodology to meet requirements
	<ul style="list-style-type: none"> ○ all Organs of State which hold jurisdiction in respect of the activity to which the application relates; and ○ all persons who submitted written comments or attended virtual meeting/s and viewed virtual presentations on the Savannah Environmental website during the public participation process. ● The information captured on the project database will contain the names, organisation and contact details, as required. It must be noted that personal details will not be shared in public documentation in accordance with the requirements of the POPI Act. <p><u>Opportunity and means of consultation where applicable facilities are not available to I&APs:</u></p> <ul style="list-style-type: none"> ● Process of networking and referral ● Email notification (if available) ● Telephonic registration ● SMS and/or WhatsApp ● Fax or post (where email or telephonic means are not available)
<p>Regulation 44 – Comments to be recorded</p>	<ul style="list-style-type: none"> ● Written comments can be submitted via email, post or fax. ● Any comments provided telephonically or via instant message will be transcribed and recorded as formal comments. ● All comments received throughout the EIA processes will be acknowledged and captured in the comments and responses report (C&RR) with a relevant response. ● The C&RR and all comments received will be included in the final report submitted to the CA. ● <u>Opportunity and means of consultation where applicable facilities are not available to I&APs:</u> <ul style="list-style-type: none"> ○ I&APs without the applicable electronic facilities to access the Savannah Environmental website will be provided with the opportunity to submit their comments and communicate with the public participation team via SMS, WhatsApp or by sending a Please-call-me notification. These comments will be transcribed and recorded as formal comments. ○ Written comments via post or fax (where email or other means are not possible).

Regulation	Approach & Methodology to meet requirements
	<ul style="list-style-type: none"> ○ Comment submission telephonically and instant messaging (SMS and/or WhatsApp). ○ Sending a Please-call-me notification to the Public Participation team so that contact can be made.
<p>Regulation 4(2) – Notification of decision on application</p>	<p><u>Notification of Environmental Authorisation (EA) using the following means:</u></p> <ul style="list-style-type: none"> ● Notification letter with details as outlined in EA issued will be sent via email, fax or post. ● Notifications that the EA has been issued and where to download and/or obtain a copy to communities via one of the following, where available: Ward Councillor and his/her ward committee members and identified and confirmed community representatives. ● SMS or WhatsApp notification. <p><u>Opportunity and means of consultation where applicable facilities are not available to I&APs:</u></p> <ul style="list-style-type: none"> ● Post (where email or telephonic means are not available) ● Communication through one of the following, where available: the ward councillor, ward committee members and confirmed community representatives and local community forum members. ● SMS and/or WhatsApp

Jana de Jager

From: Fiona Grimett <FGRIMETT@dffe.gov.za>
Sent: 11 November 2021 17:06
To: Jo-Anne Thomas
Cc: Jana de Jager; Matlhodi Mogorosi; Sindiswa Dlomo
Subject: PP Plan Approval: Phakwe Richards Bay Gas Power 3 Combined Cycle Power Plant, KwaZulu-Natal
Attachments: PP Plan PRBGP3 CCPP-14-23.pdf

Subject: Approval of Public Participation (PP) Plan for the proposed application for environmental authorisation for the construction and operation of the 2000MW Phakwe Richards Bay Gas Power 3 Combined Cycle Power Plant within the Richards Bay Industrial Development Zone, Umthlathuze Local Municipality, Kwazulu Natal Province (Pre-application reference: 2021-11-0006)

Dear Ms Thomas

The attached Public Participation (PP) Plan for the proposed 2000MW Phakwe Richards Bay Gas Power 3 Combined Cycle Power Plant within the Richards Bay Industrial Development Zone, Umthlathuze Local Municipality, Kwazulu Natal Province, received by this Department on 08 November 2021, refers.

Based on the information provided, this Department decided to **approve** the PP Plan for the project. You may proceed with the PP process in accordance with the tasks contemplated in the PP plan. Should you wish to deviate from the submitted PP Plan, the amended PP Plan must be submitted to the Department for approval prior commencement.

A copy of the PP Plan and this approval must be submitted as part of the application form when the application is lodged.

Also note that submission of a PP Plan and approval thereof do not negate your responsibility to comply with the requirements for public participation in terms of Regulations 39, 40, 41, 42, 43 & 44 of the EIA Regulations 2014, as amended.

Regards,

Fiona Grimett
Designation: Assistant Director: National Infrastructure Projects
Department of Forestry, Fisheries and the Environment
Chief Directorate: Integrated Environmental Authorisations
Directorate: National Infrastructure Development: National Infrastructure Projects
Tel: 012 399 9393
Email: fgrimett@dffe.gov.za

From: Jana de Jager <Jana@savannahsa.com>
Sent: Thursday, 11 November 2021 12:44
To: Matlhodi Mogorosi <MMOGOROSI@dffe.gov.za>
Cc: Fiona Grimett <FGRIMETT@dffe.gov.za>; Sindiswa Dlomo <SDLOMO@dffe.gov.za>
Subject: RE: 2021-11-0006

Dear Matlhodi

Your assistance is greatly appreciated, as we are aiming to submit the application for Environmental Authorisation by tomorrow.

Thank you & kind regards

SAWEA Award for Leading Environmental Consultant on Wind Projects in 2013 & 2015

Processing of personal Information / POPIA compliance

We respect your privacy and acknowledge that this e-mail will contain Personal Information, which may belong to you, others and/or to your organization and which we will process. The processing of your personal information by Savannah Environmental may be included in reports submitted to governmental departments or on our public platforms, which processing will be done in accordance with our processing notice housed on our website - <https://savannahsa.com/privacy-policy-privacy-policy-page/>. By sending and/or receiving this message, you hereby expressly give us consent to process the Personal Information contained herein which processing will be done in accordance with POPIA Act 4 of 2013.

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

From: Matlhodi Mogorosi <MMOGOROSI@dffe.gov.za>

Sent: 11 November 2021 08:42

To: Jana de Jager <Jana@savannahsa.com>

Cc: Fiona Grimett <FGRIMETT@dffe.gov.za>; Sindiswa Dlomo <SDLOMO@dffe.gov.za>

Subject: Re: 2021-11-0006

Dear Jana,

It is noted that the pre-application meeting request is to have the PP Plan approved. The PP plan is being considered; approval will be communicated to you in due course.

Regards

Matlhodi Mogorosi

Department of Forestry, Fisheries and the Environment

Directorate: National Infrastructure Development

Environment House

473 Steve Biko Rd

ARCADIA

PRETORIA

0001

From: Jana de Jager <Jana@savannahsa.com>
Sent: Thursday, November 11, 2021 7:59 AM
To: Matlhodi Mogorosi <MMOGOROSI@dffe.gov.za>
Cc: Fiona Grimett <FGRIMETT@dffe.gov.za>; Sindiswa Dlomo <SDLOMO@dffe.gov.za>
Subject: FW: 2021-11-0006

Dear Matlhodi

As indicated in the pre-application request a meeting is not specifically require however, kindly note that we urgently require a decision on the PP plan.

Your assistance in this regard will be greatly appreciated.

Kind regards



Jana de Jager
Environmental Consultant

t: +27 (0)11 656 3237
c: +27 (0)81 444 3432
f: +27 (0) 86 684 0547

e: jana@savannahsa.com

SAWEA Award for Leading Environmental Consultant on Wind Projects in 2013 & 2015

Processing of personal Information / POPIA compliance

We respect your privacy and acknowledge that this e-mail will contain Personal Information, which may belong to you, others and/or to your organization and which we will process. The processing of your personal information by Savannah Environmental may be included in reports submitted to governmental departments or on our public platforms, which processing will be done in accordance with our processing notice housed on our website - <https://savannahsa.com/privacy-policy-privacy-policy-page/>. By sending and/or receiving this message, you hereby expressly give us consent to process the Personal Information contained herein which processing will be done in accordance with POPIA Act 4 of 2013.

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

From: EIA Applications <EIAApplications@dffe.gov.za>
Sent: 10 November 2021 12:22
To: Matlhodi Mogorosi <MMOGOROSI@dffe.gov.za>
Cc: Fiona Grimett <FGRIMETT@dffe.gov.za>; Sindiswa Dlomo <SDLOMO@dffe.gov.za>; Jana de Jager <Jana@savannahsa.com>
Subject: 2021-11-0006

Dear Matlhodi.

Please note that you have been allocated an application:

Type of Application: Pre-Application Meeting Request;
Reference Number: 2021-11-0006;
Date Received: 08/11/2021;
Action Required: Decide on meeting request.

Kindly let Ephron know which date the meeting is to be held, if it will be set.

*EAP/Applicant: please use this reference number when submitting the application for EA/amendment application (page 1 of the application form), as well as attach the approved PP Plan if the application requires a PP process.

EIA Applications

Integrated Environmental Authorisations
Department of Forestry, Fisheries and the Environment

Please note that this email is for the receipt and processing of online applications only, and is not monitored for responses. All queries must be directed to ElAdmin@environment.gov.za.

You are advised that this mailbox has a 48 hour response time.

Please note that this mailbox has a 5mb mail limit. No zip files are to be attached in any email.

From: Jana de Jager [<mailto:Jana@savannahsa.com>]

Sent: Monday, 08 November 2021 16:23

To: EIA Applications <ElApplications@dffe.gov.za>

Cc: Jo-Anne Thomas <joanne@savannahsa.com>

Subject: Pre-Application Request & PP Plan for Approval - Phakwe Richards Bay Gas Power 3 CCPP

Good day

Kindly find attached the pre-application request form including the Public Participation Plan for the proposed Phakwe Richards Bay Gas Power 3 Combined Cycle Power Plant, Richards Bay, KwaZulu-Natal.

As indicated in the pre-application request a pre-application meeting is not specifically required and the purpose of the application is for the Department to consider the details of the project and the Public Participation Plan.

Please confirm receipt of the request.

Kindly advise should you require any further information. Thank you.

Kind regards



t: +27 (0)11 656 3237
c: +27 (0)81 444 3432
f: +27 (0) 86 684 0547

Jana de Jager
Environmental Consultant

e: jana@savannahsa.com

SAWEA Award for Leading Environmental Consultant on Wind Projects in 2013 & 2015

Processing of personal Information / POPIA compliance

We respect your privacy and acknowledge that this e-mail will contain Personal Information, which may belong to you, others and/or to your organization and which we will process. The processing of your personal information by Savannah Environmental may be included in reports submitted to governmental departments or on our public platforms, which processing will be done in accordance with our processing notice housed on our website - <https://savannahsa.com/privacy-policy-privacy-policy-page/>. By sending and/or receiving this message, you hereby expressly give us consent to process the Personal Information contained herein which processing will be done in accordance with POPIA Act 4 of 2013.

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

'Please consider the environment before you print this email' The processing of personal information by the Department of Forestry, Fisheries and the Environment is done lawfully and not excessive to the purpose of processing in compliance with the POPI Act, any codes of conduct issued by the Information Regulator in terms of

the POPI Act and / or relevant legislation providing appropriate security safeguards for the processing of personal information of others.

APPENDIX C2:
Interested and Affected Parties Database

APPENDIX C2: I&AP DATABASE

Company	Name	Surname	Position
Agri SA	Janse	Rabie	Head
Air Traffic and Navigation Services (ATNS)	Simphiwe	Masilela	Obstacle Evaluator
Amafa Heritage KZN	Bernadet	Pawandiwa	Senior Heritage Officer
BirdLife South Africa	Samantha	Ralston-Paton	Manager
Centre for Environmental Rights	Dimakatso	Sefatsa	Candidate Attorney
Centre for Environmental Rights	Khumo	Lesele	Programme Administrator
Centre for Environmental Rights	Michelle	Koyama	Attorney
Centre for Environmental Rights	Nicole	Loser	Programme Head: Pollution & climate Change
Centre for Environmental Rights NPC	Robyn	Hugo	Attorney
Centre for Environmental Rights	Timothy	Lloyd	Attorney
City of uMhlatuze	Allen	Viljoen	Ward Councillor: Ward 4
City of uMhlatuze	Brenda	Strachan	Manager: Spatial & Environmental Planning
City of uMhlatuze	Christo	Botha	Ward Councillor: Ward 2
City of uMhlatuze	City	Mokoena	Manager: Electricity Operations & Maintenance
City of uMhlatuze	Henning	De Wet	Ward Councillor: Ward 3
City of uMhlatuze	Lindiwe	Zondi	Deputy Manager: Energy Management
City of uMhlatuze	LS	Joseph	Ward Councilor: Ward 26
City of uMhlatuze	Muziwandile	Mdamba	Statutory Control / IT
City of uMhlatuze	Sharin	Govender	Project Manager: Environmental Planning
City of uMhlatuze	Thandiwe	Mathebula	Acting Municipal Manager
DAFF Provincial Department	Mashudu	Marubini	
Department of Agriculture, Forestry & Fisheries	Amkela	Chiya	Forester
Department of Agriculture, Forestry and Fisheries	Hettie	Buys	Administration & Registration Clerk
Department of Agriculture, Forestry and Fisheries	Mashudu	Marubini	Delegate to the Minister
Department of Agriculture, Forestry and Fisheries	Thoko	Buthelezi	Administration Clerk: National Office
Department of Economic Development	Siza	Sibande	Acting Head of Department
Department of Energy	Mokgadi	Modise	Chief Director: Clean Energy
Department of Energy	Pheladi	Masipa	Acting Project Manager: Renewable Energy Initiatives
Department of Energy	Xolile	Mtwa	Attorney
Department of Environmental Affairs Directorate: Climate Change & Air Quality	Deborah	Ramalope	Chief Directorate Climate Change
Department of Forestry, Fisheries and the Environment	Alade	Lydia	
Department of Forestry, Fisheries and the Environment	Edward	Mahofi	Air Quality Inspection
Department of Forestry, Fisheries and the Environment	Hlamarisa	Marodze	Administration Clerk: National Office
Department of Forestry, Fisheries and the Environment	Linda	Poll-Jonker	Chief Environmental Officer: Grade A
Department of Forestry, Fisheries and the Environment	Lucas	Mahlangu	Environmental Officer Grade B
Department of Forestry, Fisheries and the Environment	Mmadi	Moloto	
Department of Forestry, Fisheries and the Environment	MP	Portia	
Department of Forestry, Fisheries and the Environment	Mpho	Monyai	Administration & Registration Clerk
Department of Forestry, Fisheries and the Environment	Pamela	Kershaw	Project Manager: Environmental Planning
Department of Forestry, Fisheries and the Environment	Portia	Makilla	Biodiversity Officer
Department of Forestry, Fisheries and the Environment	Santhuri	Naidoo	Forester
Department of Forestry, Fisheries and the Environment	Seoka	Lekota	Deputy Director
Department of Forestry, Fisheries and the Environment	Thando	Booi	Environmental Officer
Department of Forestry, Fisheries and the Environment	Thizwiconi	Ramashona	Chief Environmental Officer: Grade A
Department of Forestry, Fisheries and the Environment	Thobile	Zungu	Biodiversity Intern
Department of Forestry, Fisheries and the Environment	Thulie N	Khumalo	
Department of Forestry, Fisheries and the Environment	Thulie N	Khumalo	Chief Directorate: Air Quality Management
Department of Mineral Resources	Nqobile	Njoko	Regional Manager
Department of Public Works	Sam	Vuleka	Acting Director General
Department of Rural Development and Land Reform	Fhulufhedzan	Rasimphi	
Department of Rural Development and Land Reform	Fhulufhedzan	Rasimphi	Environmental Planning Intern
Department of Rural Development and Land Reform	N	Mdluli	Manager
Department of Rural Development and Land Reform	Nozizwe	Makgalemele	Deputy Director General: Spatial Land Use and Management
Department of Rural Development and Land Reform	Nozizwe	Makgalemele	Deputy Director General: Spatial Land Use and Management
Department of Rural Development and Land Reform	Samuel	Masemola	Administration Support: Office of the Director-General
Department of Rural Development and Land Reform	Stephan	Viljoen	Chief Town and Regional Planner
Department of Rural Development and Land Reform	Thembeke	Ndlovu	Deputy Director: Richards Bay District
Department of Rural Development and Land Reform	Thembeke	Ndlovu	Deputy Director: Richards Bay District
Department of Science and Technology	Mere	Kgampe	Director: Astronomy Management Authority (AMA)
Department of Water and Sanitation	Ayanda	Mthalane	Environmental Officer
Department of Water and Sanitation	Coleen	Moonsamy	DWS - Control Environmental Office
Department of Water and Sanitation	Hassina	Aboobaker	Assistant Director
Department of Water and Sanitation: KwaZulu-Natal Province	Khanyile	Zwelakhe	
Department of Water and Sanitation	Khanyile	Zwelakhe	
Department of Water and Sanitation	Krishnee	Naidoo	Environmental Officer
Department of Water and Sanitation	Lwandle	Sibango	Case Officer
Department of Water and Sanitation	Muziwandile	Mdamba	
Department of Water and Sanitation	Nokwanda	Mkhize	Institutional Establishment
Department of Water and Sanitation	Zama	Hadebe	Biodiversity Officer
Department of Water and Sanitation	Zoleka	Zikhali	
Department of Water and Sanitation: KwaZulu-Natal Province	Zwelakhe	Khanyile	
EarthLife Africa	Makoma	Lekalakala (Secretary)	Senior Programme officer
EarthLife Africa	Makoma	Lekalakala	Secretary
Endangered Wildlife Trust	Constant	Hoogstad	Programme Manager
Eskom Holdings SOC Ltd	John	Geeringh	Senior Environmental Advisor
Eskom Holdings SOC Ltd	Koogendran	Govender	
Eskom Holdings SOC Ltd	Madinare	Mukhuba	Negotiator: Land & Rights
Eskom Holdings SOC Ltd	Mpho	Muswubi	Environmental Management
Eskom Holdings SOC Ltd	Mula	Phalannawa	
Eskom Holdings SOC Ltd	Mwabisa	Mehlomakulu	
Eskom Holdings SOC Ltd	Tinyiko	Masondo	
Eskom Holdings SOC Ltd	Tinyiko	Masondo	
Eskom Holdings SOC Ltd	Tobile	Bokwe	Snr Environmental Manager
Eskom Holdings SOC Ltd	Tsholofelo	Moreosele	Senior Communication Advisor
Eskom Holdings SOC Ltd	Vincent	Chauke	
Eskom Holdings SOC Ltd	Vuledzani	Thanyani	Senior Environmental Advisor
Eskom: Transmission	John	Geeringh	
Exigent Environmental & Engineering	Siphesihle	Nkomo	Jnr Environmentalist
Ezemvelo KZN Wildlife		Manager Land Use Planning	Central Contact
Ezemvelo KZN Wildlife	Andy	Blackmore	Manager Protected Area Planning and IEM
Ezemvelo KZN Wildlife	Dominic	Wieners	Principal Planner
Ezemvelo KZN Wildlife	Phindile	Langazane	
groundWork	Avena	Jacklin	Manager
groundWork	Bobby	Peek	Director
groundWork	David	Hallowes	
groundWork	Gill	Addison	

Company	Name	Surname	Position
GroundWorks	Robby	Mokgalaka	Coal Campaign Manager
King Cetshwayo District Municipality	Lindiwe	Nxumalo	Air Quality Licensing Officer
King Cetshwayo District Municipality	Mandla	Nkosi	Municipal Manager
King Cetshwayo District Municipality	Mandla	Nkosi	Municipal Manager
King Cetshwayo District Municipality	Mbali	Ndlovu	Municipal Manager
King Cetshwayo District Municipality	Nontokozi	Dudla	
King Cetshwayo District Municipality	Nontokozi	Hlongwa	Environmental Officer
King Cetshwayo District Municipality	Nozipho	Khathi	Manager: Air Quality
King Cetshwayo District Municipality	Ntombezhnle	Buthelezi	Air Quality Licensing Officer
King Cetshwayo District Municipality	Sandile	Xaba	
King Cetshwayo District Municipality	Sinothile	Makhathini	
King Cetshwayo District Municipality	Smangaliso	Goba	
King Cetshwayo District Municipality	W	Mpofu	Senior Manager: Statutory & Development Planning
King Cetshwayo District Municipality	W	Mpofu	Senior Manager: Statutory & Development Planning
KwaZulu-Natal COGTA	Phatshizwe Donatus	Chiliza	Chairperson: Provincial House
KwaZulu-Natal COGTA	PT	Zulu	Deputy Chairperson: Provincial House
KwaZulu-Natal Department of Agriculture and Rural Development	Nonhlanhla	Myeni	Department of Agriculture
KwaZulu-Natal Department of Agriculture and Rural Development	P. H	Mans	Acting Scientific Manager: Land Use Regulatory Unit
KwaZulu-Natal Department of Transport and Community Safety and Liaison	Sibusiso	Gumbi	Head of Department
KwaZulu-Natal Department of Transport and Community Safety and Liaison	Sibusiso	Gumbi	Head of Department
KwaZulu-Natal Department of Agriculture and Rural Development	Thabede	Sthandiwé	
KwaZulu-Natal Department of Agriculture and Rural Development	Thandekile	Nxumalo	Data Capture
KwaZulu-Natal Wetland Forum	Ian	Bredin	Chairperson
KwaZulu-Natal Wetland Forum	Mbali	Kubheka	Municipal Manager
KZN Department of Economic Development, Tourism and Environmental Affairs	Bonginkosi	Dlamini	
KZN Department of Economic Development, Tourism and Environmental Affairs	Kershia	Ramsern	Environmental Officer
KZN Department of Economic Development, Tourism and Environmental Affairs	Sibusiswe	Mngoma	Case Officer
KZN Department of Economic Development, Tourism and Environmental Affairs	Sikhali	Mathenjwa	Assistant Director: Environmental Planning
KZN Department of Economic Development, Tourism and Environmental Affairs	Zamokuhle	Mashiyane	Environmental Officer
Leads 2 Business	Minnie	Zondi	
Mhlathuze Water Board	Nlthoro	Swaswa	Landowner
National Energy Regulator of South Africa (NERSA)	Donald	Nkadimeng	Department of Agriculture
National Energy Regulator of South Africa (NERSA)	Siphiwe	Khumalo	Senior Engineer: Distribution Licensing
NPT Terminals Proprietary Limited	Morganasundran	Nadasen-Odayar	Landowner
NPT Terminals Proprietary Limited	Vedhumbal	Nadasen	Landowner
NPT Terminals Proprietary Limited	Yoganathan	Nadasen-Odayar	Landowner
OPENSERVE	Kubeshini	Govender	Wayleave Officer
Richards Bay Airport	Johnithin	Breytenbach	Data Capture
Richards Bay Alloys Pty Ltd	Donald	Stewart	Landowner
Richards Bay Alloys	Franz	Schmidt	SHEQ Manager
Richards Bay Alloys Pty Ltd	Jacob	Britt	Landowner
Richards Bay Clean Air Association	Franz	Schmidt	
Richards Bay Clean Air Association	Sandy	Camminga	Director & Founder Member
Richards Bay Gas Power 2 (Pty) Ltd	Dion	Wilmans	Director
Richards Bay Industrial Development Zone	Basil	Ngcobo	EM: Infrastructure Planning & Development
Richards Bay Industrial Development Zone	Joe	Muller	EM: Infrastructure Planning & Development
Richards Bay Industrial Development Zone	Keith	Harvey	Legal Manager
Richards Bay Industrial Development Zone	Nizibone-Izibebe	Sakwe	Investment Manager
Richards Bay Industrial Development Zone	Ntando	Mishali	Environmental Intern
Richards Bay Industrial Development Zone	Percy	Langa	SHEQ Manager
Richards Bay Industrial Development Zone	Sethabile	Gcume	Environmental Officer
Richards Bay Industrial Development Zone	Theunis	Roux	
Richards Bay Industrial Development Zone	Theunis	Roux	
SANRAL	Ishaan	Ramklown	Regional Manager: Eastern Region
SANRAL	Judy	Marx	Statutory Control / IT
Savannah Environmental (Pty) Ltd	Nicolene	Venter	
Savannah Environmental (Pty) Ltd	Nondumiso	Bulunga	Manager
Sentech Ltd	Johan	Koegelenberg	Coverage Planner: RF Networks
Sentech Ltd	Serame	Molhake	Manager
South 23	Zaine	Ismail	
South 32 Hillside	Alison	Gerber	Environmental Specialist
South African Civil Aviation Authority	Lizelle	Stroh	Obstacle Specialist
South African Civil Aviation Authority	Marie	Pretorius	Obstacle Specialist
South African Radio Astronomy Observatory (SARAO)	Adrian	Tiplady	South African SKA Site Bid Manager
South Durban Community Environmental Alliance (SDCEA)	Sherellee	Odayar	Project Officer
Telkom SA SOC Ltd	Amanda	Bester	
Telkom SA SOC Ltd	Leonard	Shaw	Wireless Planning Development & Support
The Green Connection	Gillian	Hamilton	Environmental Manager
The Green Connection	Jan	Arkert	Environmental Manager
The Green Connection	Ketshepaone	Modise	Environmental Manager
The Green Connection	Linda	Arkert	Member
The Green Connection	Neville	Van Rooy	Chairman
The Green Connection	Sakeena	Allie	Environmental Manager
Transnet SOC Ltd	Futhi	Mathebula	Legal Manager
Transnet SOC Ltd	Jabulani	Sithole	Executive Manager
Transnet SOC Ltd	John	Pearce	
Transnet SOC Ltd	Lebogang	Seperepere	Business Development
Transnet SOC Ltd	Lumko	Ncapai	Investment Support Manager
Transnet SOC Ltd	Odetle	Swart	Sales and Business Development
Transnet SOC Ltd	Sphumelele	Yende	Sales and Business Development
Transnet SOC Ltd	Thulani	Fakude	Depot Engineer
Transnet SOC Ltd	Vusimuzi	Sihawu	
Transnet SOC Ltd	Vuyo	Keswa	Environmental Manager
Umhlatuze Municipality	Nathi	Mthethwa	Landowner
Umhlatuzi Valley Sugar Company	Kevin	Seamark	Chief Financial Officer
Umhlatuzi Valley Sugar Company	Luke	Harel	OD Manager
Wildlife and Environment Society of South Africa (WESSA)	Morgan	Griffiths	Environmental Governance Programme Manager
Zululand Observer	Dave	Savides	Editor-In-Chief

APPENDIX C3
SITE NOTICES AND NEWSPAPER
ADVERTISEMENTS

Site Notices

NOTICE OF ENVIRONMENTAL IMPACT ASSESSMENT AND PUBLIC PARTICIPATION PROCESS FOR THE PROPOSED DEVELOPMENT OF THE RBGP3 2000MW COMBINED CYCLE POWER PLANT, RICHARDS BAY IDZ ZONE 1F, RICHARDS BAY, KWAZULU-NATAL

Project Name: Proposed 2000MW Combined Cycle Power Plant (CCPP) located on various erven within the Richards Bay IDZ Phase 1F, Richards Bay, Kwazulu Natal Province

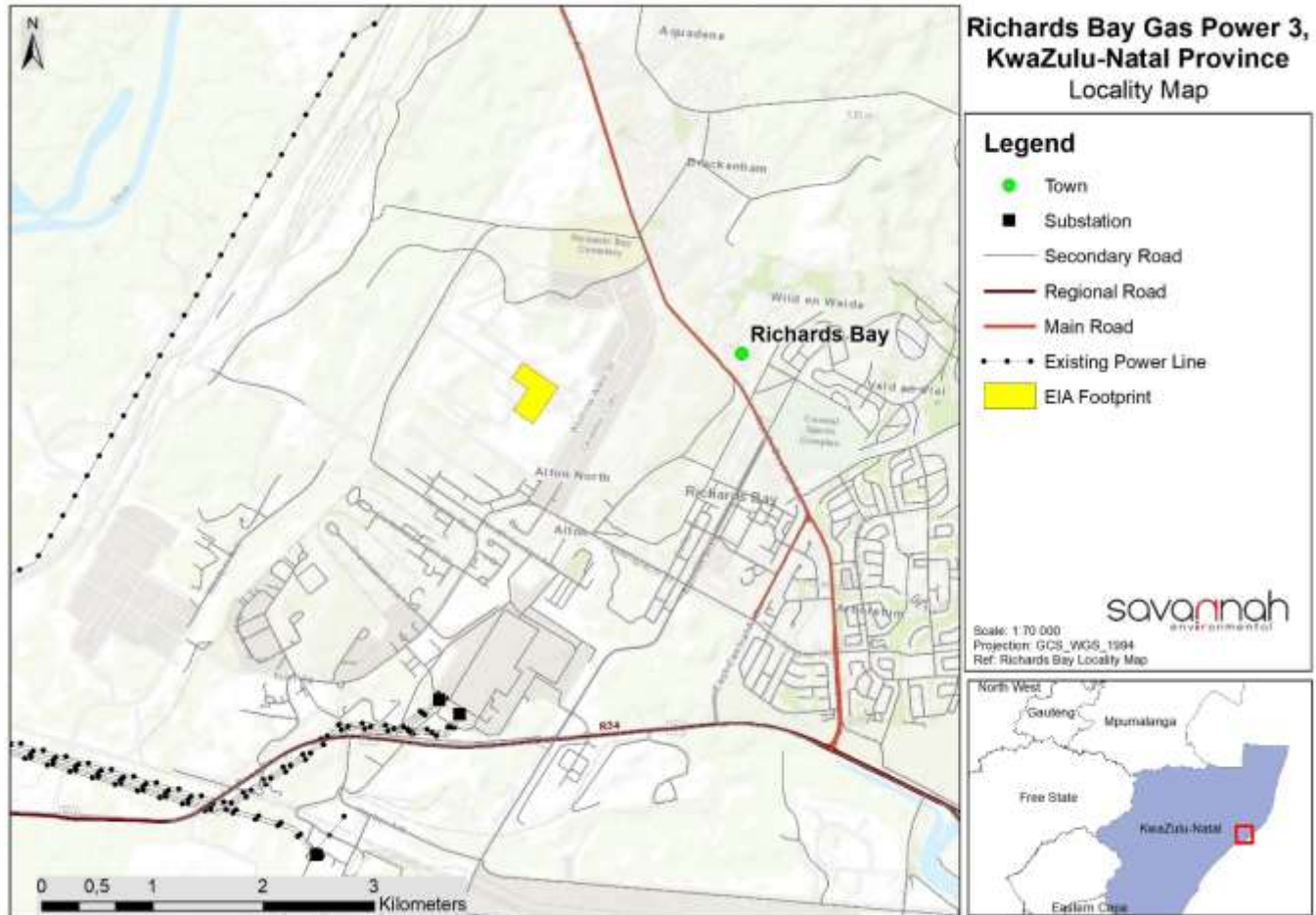
Applicant: Phakwe Richards Bay Gas Power 3 (Pty) Ltd

Proposed Activity: Phakwe Richards Bay Gas Power 3 (Pty) Ltd (PRBGP3) proposes the development of a combined cycle (CC) gas to power plant, with a capacity of up to 2 000MW, on various erven within the Richards Bay IDZ Phase 1F, Richards Bay. The proposed project is to be known as the Phakwe Richards Bay Gas Power 3 CCPP. The project site is located approximately 5km north-east of Richards Bay and 1km north of the suburb of Alton, within the jurisdiction of the City of uMhlathuze Local Municipality and the King Cetshwayo District Municipality, KwaZulu-Natal Province. The power plant will operate at mid-merit to baseload duty and will include the following main infrastructure:

- » A number of gas turbines for the generation of electricity through the use of natural gas (liquid or gas forms), or a mixture of Natural gas and Hydrogen (in a proportion scaling up from 20% H₂) as fuel source, operating all turbines at mid-merit or baseload (estimated 16 to 24 hours daily operation).
- » Exhaust stacks associated with each gas turbine.
- » A number of Heat Recovery Steam Generator (HRSG) to generate steam by capturing the heat from the turbine exhaust.
- » A number of steam turbines to generate additional electricity by means of the steam generated by the HRSG.
- » The water treatment plant will demineralise incoming water from municipal or similar supply, to the gas turbine and steam cycle requirements. The water treatment plant will produce two parts demineralised water and reject one-part brine, which will be discharged to the R IDZ stormwater system.
- » Steam turbine water system will be a closed cycle with air cooled condensers. Make-up water will be required to replace blow down.
- » Air cooled condensers to condensate used steam from the steam turbine.
- » Compressed air station to supply service and process air.
- » Water pipelines and water tanks for storage and distributing of process water. (Potential sourcing of alternative water outside RB IDZ supply (Municipality))
- » Water retention pond
- » Closed Fin-fan coolers to cool lubrication oil for the gas turbines
- » Gas generator Lubrication Oil System.
- » Gas pipeline supply conditioning process facility. Please note, gas supply will be via dedicated pipeline from the proposed Transnet supply pipeline network of Richards Bay (the location of this network has not yet been confirmed) or, alternatively directly from the Regasification facilities at RB Harbour. The gas pipeline will be separately authorized.
- » Site water facilities including potable water, storm water, waste water
- » Fire water (FW) storage and FW system
- » Diesel emergency generator for start-up operation.
- » Onsite fuel conditioning including heating system.
- » All underground services: This includes stormwater and wastewater.
- » Ancillary infrastructure
- » Electrical facilities
- » Service infrastructure

Project Location: The development is proposed on the following properties, situated within Phase 1F of the Richards Bay Industrial Development Zone (RIDZ) located approximately 5km north east of Richards Bay and 1km north of the suburb of Alton:

Erf Name	Surveyor General Erf No.	Surveyor General Portion No.	SG 21-digit ID	RBIDZ plot allocation
Unnamed	16674	0	NOGV04210001667400000	Erf 16674
Unnamed	9042	0	NOGV04210000904200000	Service infrastructure (water servitude)
Unnamed	8822	0	NOGV04210000882200000	Erf 16819
Unnamed	8821	0	NOGV04210000882100000	Erf 16820
Unnamed	8820	0	NOGV04210000882000000	Erf 17442



Application for Environmental Authorisation: An application for Environmental Authorisation (EA) in terms of the National Environmental Management Act (No. 107 of 1998) (NEMA) and 2014 EIA Regulations (GNR 326) is being undertaken for the project. The application is being supported by a Scoping and Environmental Impact Assessment (S&EIA) process. Savannah Environmental (Pty) Ltd has been appointed as the independent environmental consultant responsible to undertake the EIA and Public Participation process in support of the application for EA.

To obtain further information on the project and to register on the project's database, please submit your name, contact information and interest in the project, in writing, to Savannah Environmental.

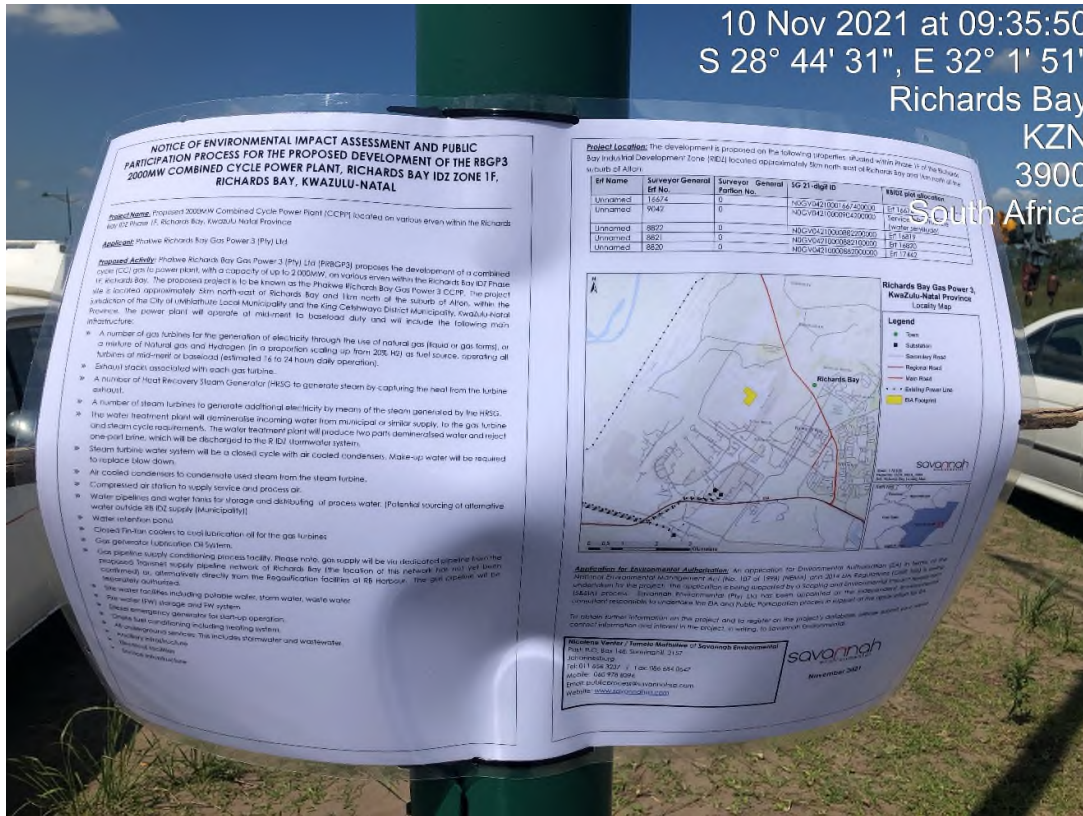
Nicolene Venter / Tumelo Mathulwe of Savannah Environmental

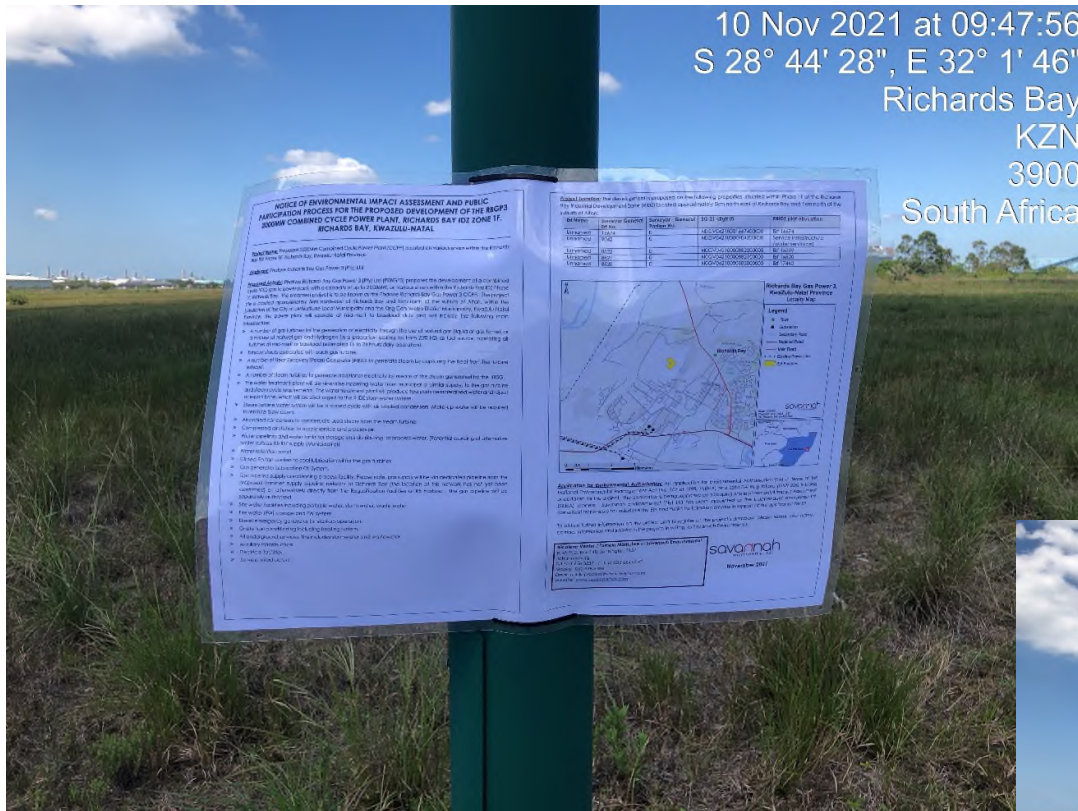
Post: P.O. Box 148, Sunninghill, 2157
Johannesburg
Tel: 011 656 3237 / Fax: 086 684 0547
Mobile: 060 978 8396
Email: publicprocess@savannahsa.com
Website: www.savannahsa.com

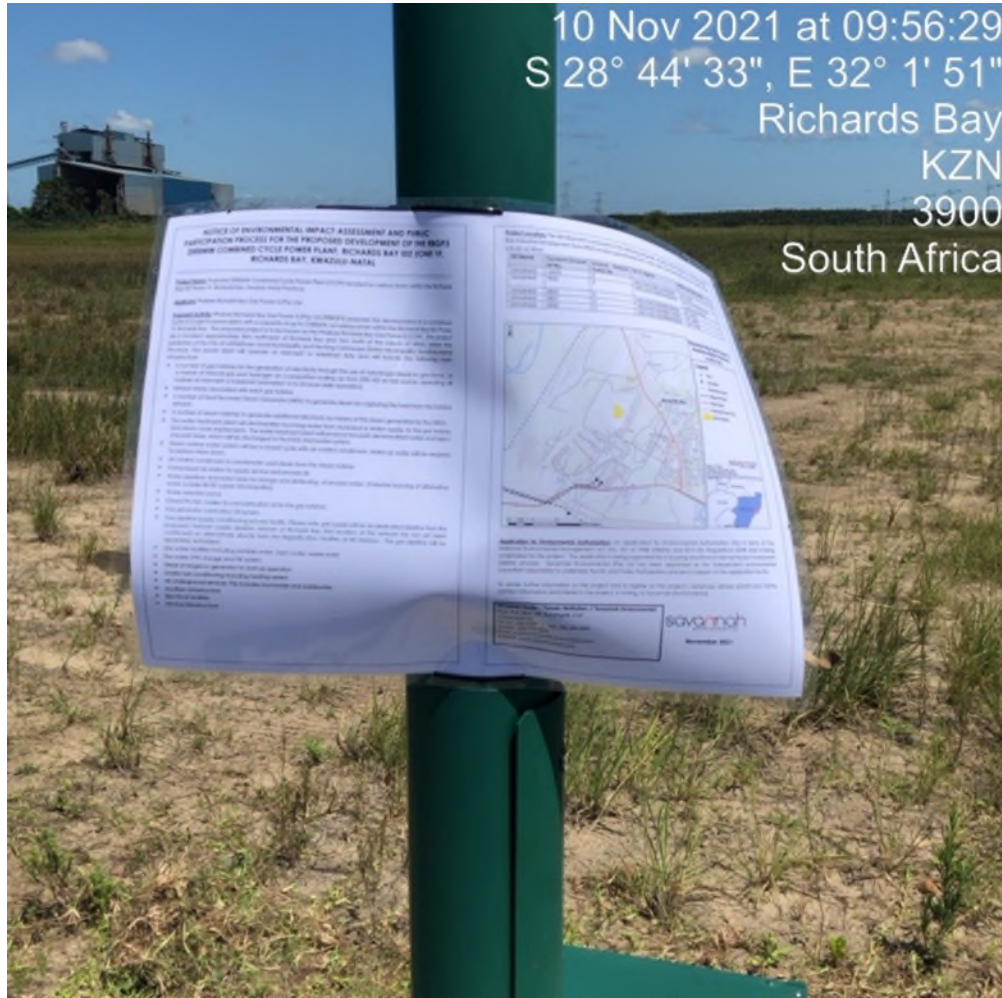
savannah environmental

November 2021

PROOF OF SITE NOTICES (Date placed: Wednesday, 10 November 2021)







Process Notices

NOTICE OF ENVIRONMENTAL IMPACT ASSESSMENT AND PUBLIC PARTICIPATION PROCESS FOR THE PROPOSED DEVELOPMENT OF THE RBGP3 2000MW COMBINED CYCLE POWER PLANT, RICHARDS BAY IDZ ZONE 1F, RICHARDS BAY, KWAZULU-NATAL

Project Name: Proposed 2000MW Combined Cycle Power Plant (CCPP) located on various erven within the Richards Bay IDZ Phase 1F, Richards Bay, Kwazulu Natal Province

Applicant: Phakwe Richards Bay Gas Power 3 (Pty) Ltd

Proposed Activity: Phakwe Richards Bay Gas Power 3 (Pty) Ltd (PRBGP3) proposes the development of a combined cycle (CC) gas to power plant, with a capacity of up to 2 000MW, on various erven within the Richards Bay IDZ Phase 1F, Richards Bay. The proposed project is to be known as the Phakwe Richards Bay Gas Power 3 CCPP. The project site is located approximately 5km north-east of Richards Bay and 1km north of the suburb of Alton, within the jurisdiction of the City of uMhlatuze Local Municipality and the King Cetshwayo District Municipality, KwaZulu-Natal Province. The power plant will operate at mid-merit to baseload duty and will include the following main infrastructure:

- » A number of gas turbines for the generation of electricity through the use of natural gas (liquid or gas forms), or a mixture of Natural gas and Hydrogen (in a proportion scaling up from 20% H₂) as fuel source, operating all turbines at mid-merit or baseload (estimated 16 to 24 hours daily operation).
- » Exhaust stacks associated with each gas turbine.
- » A number of Heat Recovery Steam Generator (HRSG) to generate steam by capturing the heat from the turbine exhaust.
- » A number of steam turbines to generate additional electricity by means of the steam generated by the HRSG.
- » The water treatment plant will demineralise incoming water from municipal or similar supply, to the gas turbine and steam cycle requirements. The water treatment plant will produce two parts demineralised water and reject one-part brine, which will be discharged to the R IDZ stormwater system.
- » Steam turbine water system will be a closed cycle with air cooled condensers. Make-up water will be required to replace blow down.
- » Air cooled condensers to condensate used steam from the steam turbine.
- » Compressed air station to supply service and process air.
- » Water pipelines and water tanks for storage and distributing of process water. (Potential sourcing of alternative water outside RB IDZ supply (Municipality))
- » Water retention pond
- » Closed Fin-fan coolers to cool lubrication oil for the gas turbines
- » Gas generator Lubrication Oil System.
- » Gas pipeline supply conditioning process facility. Please note, gas supply will be via dedicated pipeline from the proposed Transnet supply pipeline network of Richards Bay (the location of this network has not yet been confirmed) or, alternatively directly from the Regasification facilities at RB Harbour. The gas pipeline will be separately authorized.
- » Site water facilities including potable water, storm water, waste water Fire water (FW) storage and FW system
- » Diesel emergency generator for start-up operation.
- » Onsite fuel conditioning including heating system.
- » All underground services: This includes stormwater and wastewater.
- » Ancillary infrastructure
- » Electrical facilities
- » Service infrastructure

Application for Environmental Authorisation: An application for Environmental Authorisation (EA) in terms of the National Environmental Management Act (No. 107 of 1998) (NEMA) and 2014 EIA Regulations (GNR 326) is being undertaken for the project. The application is being supported by a Scoping and Environmental Impact Assessment (S&EIA) process. Savannah Environmental (Pty) Ltd has been appointed as the independent environmental consultant responsible to undertake the EIA and Public Participation process in support of the application for EA.

To obtain further information on the project and to register on the project's database, please submit your name, contact information and interest in the project, in writing, to Savannah Environmental.

Nicolene Venter / Tumelo Mathulwe of Savannah Environmental

Post: P.O. Box 148, Sunninghill, 2157

Johannesburg

Tel: 011 656 3237 / Fax: 086 684 0547

Mobile: 060 978 8396

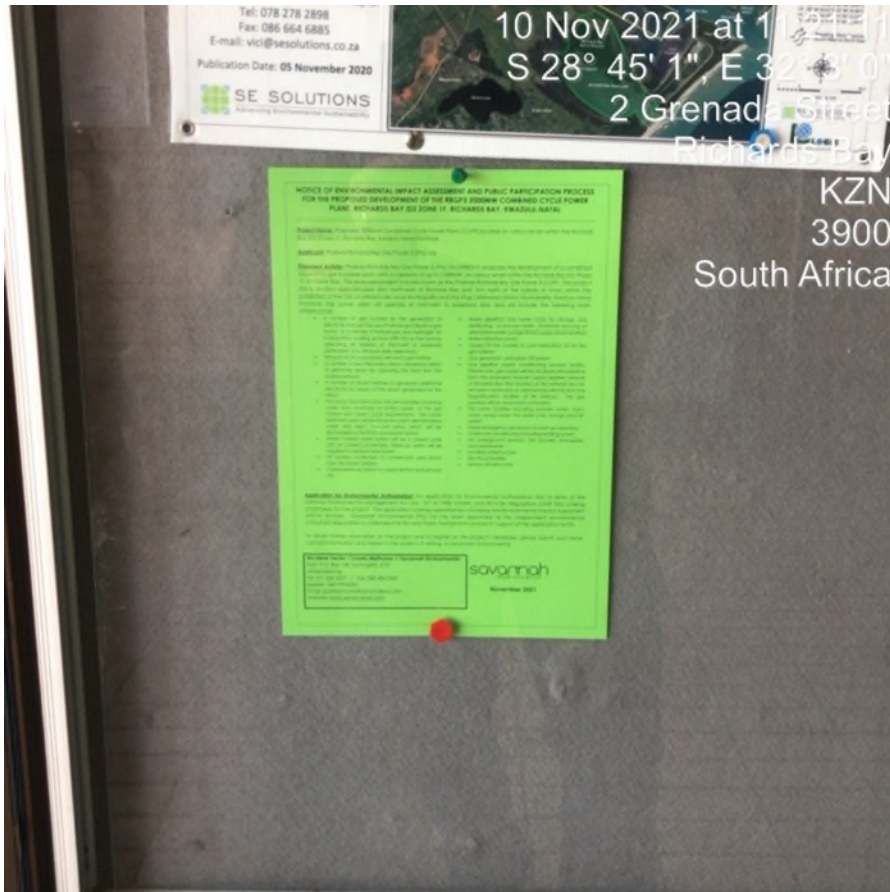
Email: publicprocess@savannahsa.com

Website: www.savannahsa.com

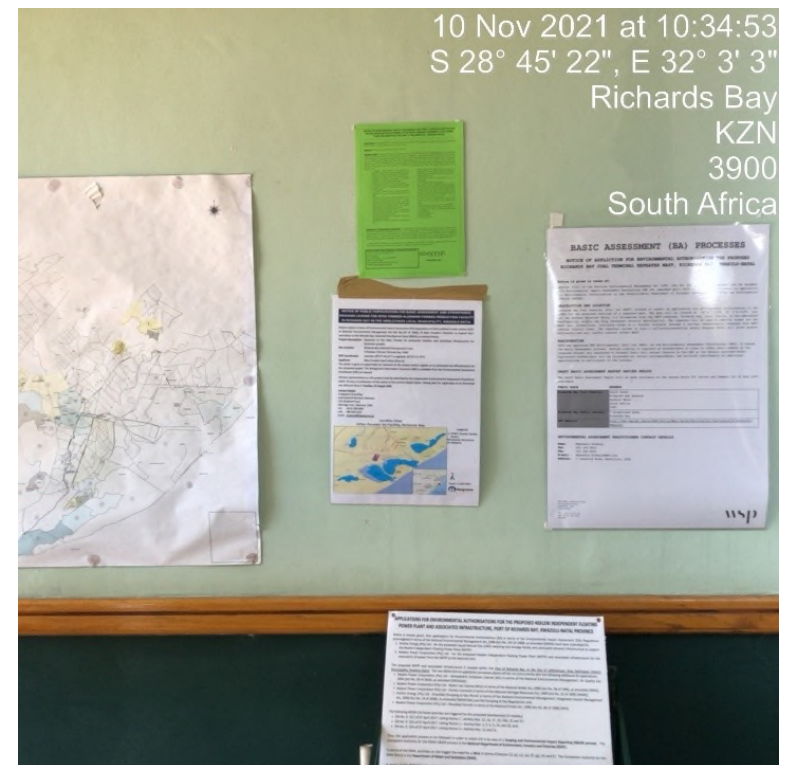
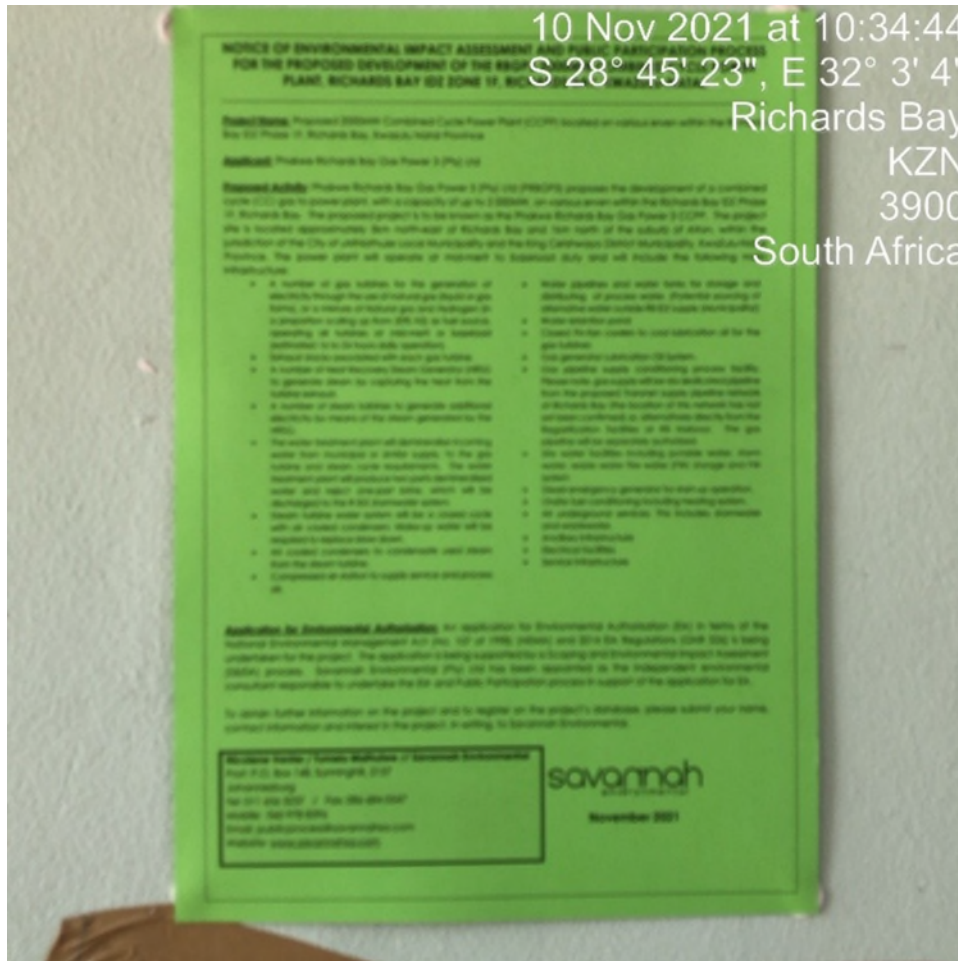
savannah
environmental

November 2021

RICHARDS BAY LIBRARY



CITY OF uMHLATHUZE CIVIC CENTRE



Advertisements

NOTICE OF ENVIRONMENTAL IMPACT ASSESSMENT AND PUBLIC PARTICIPATION PROCESS FOR THE PROPOSED DEVELOPMENT OF THE RBGP3 2000MW COMBINED CYCLE POWER PLANT, RICHARDS BAY IDZ ZONE 1F, RICHARDS BAY, KWAZULU-NATAL

Project Name: Proposed 2000MW Combined Cycle Power Plant (CCPP) located on various erven within the Richards Bay IDZ Phase 1F, Richards Bay, Kwazulu Natal Province

Applicant: Phakwe Richards Bay Gas Power 3 (Pty) Ltd

Proposed Activity: Phakwe Richards Bay Gas Power 3 (Pty) Ltd (PRBGP3) proposes the development of a combined cycle (CC) gas to power plant, with a capacity of up to 2 000MW, on various erven within the Richards Bay IDZ Phase 1F, Richards Bay. The proposed project is to be known as the Phakwe Richards Bay Gas Power 3 CCPP. The project site is located approximately 5km north-east of Richards Bay and 1km north of the suburb of Alton, within the jurisdiction of the City of uMhlathuze Local Municipality and the King Cetshwayo District Municipality, KwaZulu-Natal Province. The power plant will operate at mid-merit to baseload duty and will include the following main infrastructure:

- » A number of gas turbines for the generation of electricity through the use of natural gas (liquid or gas forms), or a mixture of Natural gas and Hydrogen (in a proportion scaling up from 20% H₂) as fuel source, operating all turbines at mid-merit or baseload (estimated 16 to 24 hours daily operation).
- » Exhaust stacks associated with each gas turbine.
- » A number of Heat Recovery Steam Generator (HRSG) to generate steam by capturing the heat from the turbine exhaust.
- » A number of steam turbines to generate additional electricity by means of the steam generated by the HRSG.
- » The water treatment plant will demineralise incoming water from municipal or similar supply, to the gas turbine and steam cycle requirements. The water treatment plant will produce two parts demineralised water and reject one-part brine, which will be discharged to the R IDZ stormwater system.
- » Steam turbine water system will be a closed cycle with air cooled condensers. Make-up water will be required to replace blow down.
- » Air cooled condensers to condensate used steam from the steam turbine.
- » Compressed air station to supply service and process air.
- » Water pipelines and water tanks for storage and distributing of process water. (Potential sourcing of alternative water outside RB IDZ supply (Municipality))
- » Water retention pond
- » Closed Fin-fan coolers to cool lubrication oil for the gas turbines
- » Gas generator Lubrication Oil System.
- » Gas pipeline supply conditioning process facility. Please note, gas supply will be via dedicated pipeline from the proposed Transnet supply pipeline network of Richards Bay (the location of this network has not yet been confirmed) or, alternatively directly from the Regasification facilities at RB Harbour. The gas pipeline will be separately authorized.
- » Site water facilities including potable water, storm water, waste water Fire water (FW) storage and FW system
- » Diesel emergency generator for start-up operation.
- » Onsite fuel conditioning including heating system.
- » All underground services: This includes stormwater and wastewater.
- » Ancillary infrastructure
- » Electrical facilities
- » Service infrastructure

Project Location: The development is proposed on Erf 16820, Erf 16819, Erf 1/16674, and Subdivision of Erf 17442, situated within Phase 1F of the Richards Bay Industrial Development Zone (RIDZ) located approximately 5km north east of Richards Bay and 1km north of the suburb of Alton

Application for Environmental Authorisation: An application for Environmental Authorisation (EA) in terms of the National Environmental Management Act (No. 107 of 1998) (NEMA) and 2014 EIA Regulations (GNR 326) is being undertaken for the project. The application is being supported by a Scoping and Environmental Impact Assessment (S&EIA) process. The Scoping Report the project is available for review and comment from **Friday, 12 November 2021 until Monday, 13 December 2021**. The reports are available for download from Savannah Environmental website: <https://savannahsa.com/public-documents/energy-generation/>. To obtain further information on the projects and to register on the projects' databases, please submit your name, contact information and interest in the projects, in writing, to Savannah Environmental:

Nicolene Venter / Tumelo Mathulwe of Savannah Environmental

Post: P.O. Box 148, Sunninghill, 2157

Johannesburg

Tel: 011 656 3237 / Fax: 086 684 0547

Mobile: 060 978 8396

Email: publicprocess@savannahsa.com

Website: www.savannahsa.com

savannah
environmental

TEARSHEET

(to be included in final Scoping Report)

APPENDIX C4
BACKGROUND INFORMATION DOCUMENT

NOVEMBER
2021



ENVIRONMENTAL IMPACT ASSESSMENT PROCESS AND PUBLIC PARTICIPATION
PROCESS

**PHAKWE RICHARDS BAY GAS POWER 3 (PTY) LTD (PRBGP3) COMBINED CYCLE (CC) GAS TO
POWER PLANT, WITH A CAPACITY OF UP TO 2000MW LOCATED ON VARIOUS ERVEN WITH-
IN THE RICHARDS BAY IDZ PHASE 1F, RICHARDS BAY,**

KWAZULU NATAL PROVINCE

Phakwe Richards Bay Gas Power 3 (Pty) Ltd (the Applicant) proposes the development of a combined cycle (CC) gas to power plant, with a capacity of up to 2 000MW, on various erven within the Richards Bay IDZ Phase 1F, Richards Bay. The proposed project is to be known as the Phakwe Richards Bay Gas Power 3 CCPP. The project site is located approximately 5km north-east of Richards Bay and 1km north of the suburb of Alton, within the jurisdiction of the City of uMhlathuze Local Municipality and the King Cetshwayo District Municipality, KwaZulu-Natal Province.

The Combined Cycle Power Plant and associated infrastructure is proposed in response to the provision for gas-to-power technology as part of the energy mix within the Integrated Resource Plan (IRP), 2019, and is planned to be bid into future procurement processes to be initiated by the Department of Mineral Resources and Energy (DMRE).

What does this document tell you?

This document aims to provide Interested and/or Affected Parties (I&APs), with:

- Information on the proposed Combined Cycle Power Plant (CCPP) and associated infrastructures, with a generating capacity of up to 2000MW.
- An overview of the Environmental Impact Assessment (EIA) process and environmental studies being undertaken to assess the proposed Combined Cycle Power Plant (CCPP) and associated infrastructures, with a generating capacity of up to 2000MW.
- Details of how you can become involved in the EIA and BA processes, receive information, or raise issues, which may concern and/or interest you.

Overview of the proposed project.

The Phakwe Richards Bay Gas Power 3 CCPP and associated infrastructure is proposed to be constructed on erven 16820, 16819,1/16674 and a subdivision of erf 17442 within the Richards Bay IDZ Zone 1F, and will occupy approximately 11.8ha (refer to attached map).

The power plant will operate at mid-merit to baseload duty and will include the following main infrastructure:

- A number of gas turbines for the generation of electricity through the use of natural gas (liquid or gas forms), or a mixture of Natural gas and Hydrogen (in a proportion scaling up from 20% H₂) as fuel source, operating all turbines at mid-merit or baseload (estimated 16 to 24 hours daily operation).
- Exhaust stacks associated with each gas turbine.
- A number of Heat Recovery Steam Generator (HRSG) to generate steam by capturing the heat from the turbine exhaust.
- A number of steam turbines to generate additional electricity by means of the steam generated by the HRSG.
- The water treatment plant will demineralise incoming water from municipal or similar supply, to the gas turbine and steam cycle requirements. The water treatment plant will produce two parts demineralised water and reject one-part brine, which will be discharged to the R IDZ stormwater system.
- Steam turbine water system will be a closed cycle with air cooled condensers. Make-up water will be required to replace blow down.
- Air cooled condensers to condensate used steam from the steam turbine.
- Compressed air station to supply service and process air.
- Water pipelines and water tanks for storage and distributing of process water. (Potential sourcing of alternative water outside RB IDZ supply (Municipality))
- Water retention pond
- Closed Fin-fan coolers to cool lubrication oil for the gas turbines
- Gas generator Lubrication Oil System.
- Gas pipeline supply conditioning process facility. Please note, gas supply will be via dedicated pipeline from the proposed Transnet supply pipeline network of Richards Bay (the location of this network has not yet been confirmed) or, alternatively directly from the Regasification facilities at RB Harbour. The gas pipeline will be separately authorized.

- Site water facilities including potable water, storm water, waste water
- Fire water (FW) storage and FW system
- Diesel emergency generator for start-up operation.
- Onsite fuel conditioning including heating system.
- All underground services: This includes stormwater and wastewater.

Ancillary infrastructure including:

- Roads (access and internal);
- Warehousing and buildings;
- Workshop building;
- Fire water pump building;
- Administration and Control Building;
- Ablution facilities;
- Storage facilities;
- Guard House;
- Fencing;
- Maintenance and cleaning area;
- Operational and maintenance control centre;

Electrical facilities including:

- Power evacuation including GCBs, GSU transformers, MV busbar, HV cabling and 1x275kV or 400kV GIS Power Plant substation.
- Generators and auxiliaries;
- Eskom 275 or 400kV GIS interface Substation, Underground 275 or 400kV power cabling connecting Power Plant GIS substation and Eskom GIS Interface substation and an overhead 275kV or 400kV power line connecting the Eskom interface substation to the selected Eskom grid connection point (all subject to a separate environmental authorisation application):

Service infrastructure including:

- Stormwater channels;
- Water pipelines
- Temporary work areas during the construction phase (laydown areas)

A dedicated pipeline to connect into an on-site gas receiving and conditioning station will provide the natural gas or the mixture of natural gas and Hydrogen. The pipeline will be connected to the proposed Transnet supply pipeline network of Richards Bay (the location of this network has not yet been confirmed), or it will extend directly to the Regasification facilities in the Richards Bay Harbour. A separate EIA process will be undertaken for the dedicated fuel-supply pipeline.



Technology overview – combined cycle power plant (ccpp)

A combined cycle power plant (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 natural gas (liquid or gas forms), or a mixture of natural gas and hydrogen to mechanical power or electricity. The general process followed by the operation of a CCPP which increases energy efficiency of a power resource and electrical output is described below:

1. A gas turbine burns fuel, which will be either natural gas or a mixture of natural gas and hydrogen.
 - The gas turbine compresses air and mixes it with fuel which is combusted to produce high temperature combustion gases. The high temperature combustion gases pass through a gas turbine resulting in the rotation of the turbine blades.
 - The rotational movement of the turbine blades at a high speed drives a generator which converts a portion of the energy produced by the rotational blades into electricity.
2. A heat recovery system captures exhaust heat.
 - The exhaust waste heat generated from the gas turbine enters the Heat Recovery Steam Generator (HRSG).
 - The HRSG captures exhaust heat from the combustion gases to produce high temperature and pressure steam.
3. Delivery of additional electricity through the operation of a steam turbine.
 - Steam produced from the HRSG is delivered to the steam turbine that sends its energy to the generator drive shaft, where it is converted into additional electricity making the power plant energy efficient.

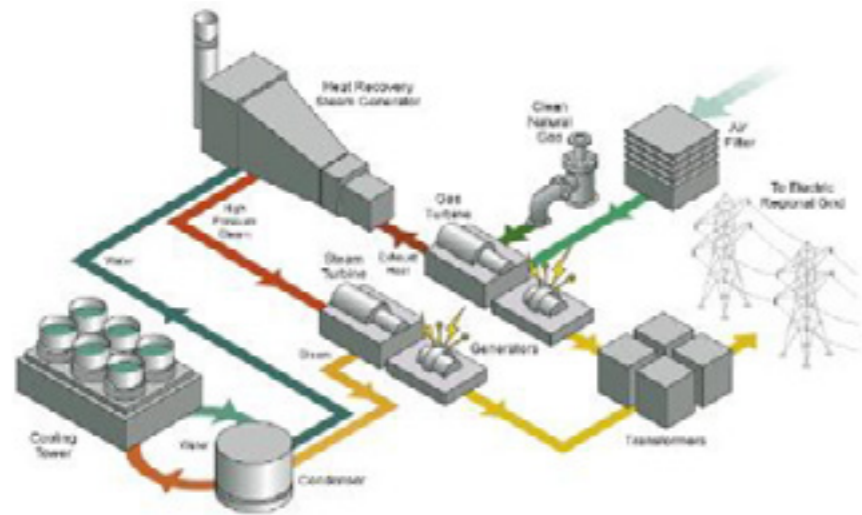


Figure 1: Schematic of Combined Cycle Gas-fired Power Generation Process

The proposed CCPP will generate up to 2000MW using natural gas (LNG, or similar), or a mixture of natural gas and hydrogen. The number and capacity of gas and steam turbines is dependent on the final layout of the plant.

Gas-fired and combined cycle power plants may also be regarded as a key technology to improve power production to meet demand, and for decarbonisation, as it reduces the carbon footprint of electricity compared with coal and oil-fired power plants. It may also complement the implementation of renewable energy sources, as it balances power supply from renewable sources and stabilises electricity grids.¹



Environmental Impact Assessment Process

The development of the 2000MW Phakwe Richards Bay Gas Power 3 CCPP, and associated infrastructure requires Environmental Authorisation (EA) from the National Department of Forestry, Fisheries and the Environment (DFFE), in consultation with the KwaZulu-Natal Department of Economic Development, Tourism and Environmental Affairs (EDTEA) in accordance with the National Environmental Management Act (No. 107 of 1998) (NEMA), as read with the EIA Regulations, GNR 324-327 of 4 December 2014, as amended. In this regard, the application for EA for the CCPP is subject to the completion of a Scoping & EIA process. An EIA process is an effective planning and decision-making tool. It allows the environmental consequences of a proposed development to be identified and appropriately managed. It also provides the opportunity for the developer to be forewarned of potential environmental issues, and facilitates dialogue with I&APs.

In accordance with the requirements of the EIA Regulations, the Applicant has initiated the EIA process for the project, and has appointed Savannah Environmental as the independent consultant to undertake the required comprehensive, independent environmental studies. These studies will aim during the course of the EIA process to identify and assess potential environmental impacts and propose appropriate mitigation measures to inform an EA and an Environmental Management Programme (EMP). I&APs will be actively involved throughout the EIA through the public consultation process.

Potential Environmental Impacts Associated with the Proposed Project

A high-level evaluation of the project site has been undertaken in order to identify specialist studies required to assess potential impacts associated with the project. Based on this study, as well as results from the DFFE online screening tool and an understanding of the project scope at this stage in the process, the following potential environmental impacts are expected to be associated with the project:

- Impacts on ecology including flora, fauna, avifauna
- Impacts on wetlands and freshwater resources
- Impacts on soil and land capability
- Impacts on air quality
- Impacts on climate change
- Health impacts
- Impacts on heritage resources (i.e. archaeology and palaeontology)
- Impacts on ambient noise levels
- Visual impacts
- Traffic impacts
- Impacts on the socio-economic environment

Specialist studies will be undertaken as part of the EIA process to assess the above-mentioned impacts. These studies will identify and assess potentially significant direct, indirect and cumulative impacts based on existing information, on-site field observations and investigations and input from the public participation process. Mitigation measures and recommendations to minimise potentially significant impacts will be identified and included in the site specific EMP.

Public Participation Process

The sharing of information forms the basis of the public participation process and offers I&APs the opportunity to become actively involved in the EIA process. The public participation process aims to ensure that:

- Information containing all relevant facts in respect of the application is made available to I&APs for review.
- I&AP participation is facilitated in such a manner that they are provided with reasonable opportunity to comment on the proposed project.
- Adequate review periods are provided for I&APs to comment on the findings of the Scoping and EIA processes.

In order to ensure effective participation, the public participation process includes the following:

- Identifying I&APs, including affected and adjacent landowners and occupiers of land, and relevant Organs of State.
- Placing site notices at the affected properties.
- Placing advertisements in local newspapers announcing the EIA process and availability of various reports, and inviting comment.
- Live read radio announcements announcing the EIA process and availability of various reports, and inviting comment.
- Compiling and maintaining a database of I&APs throughout the EIA process.
- Notifying registered I&APs of the commencement of the EIA process, and distributing a Background Information Document (BID).
- Notifying registered I&APs of relevant milestones throughout the EIA process.
- Notifying registered I&APs of the release of the Scoping and EIA Assessment reports for 30-day public review periods.
- Holding consultation meetings with I&APs at various intervals throughout the process applicable to provide an opportunity for I&APs to engage with the EIA project team. Meetings will be held via an appropriate virtual platform or face-to-face where sanitary conditions can be maintained and compliance with COVID-19 Regulations can be assured.
- Notifying registered I&APs of DEFF's final decision on whether to grant or refuse Environmental Authorisation (EA), and the manner in which such a decision may be appealed.

The restrictions enforced in terms of Government Gazette 43096 which placed the country in a national state of disaster limiting the movement of people to curb the spread of the COVID-19 virus has placed some limitations on the commencement and undertaking of the public consultation as part of an EIA process. Alternative means of undertaking consultation has been designed and will be implemented by Savannah Environmental to ensure that I&APs are afforded sufficient opportunity to raise comments on the project through an interactive web-based platform readily available and accessible to any person illustrating interest in the project and enables the public participation process to be undertaken in line with Regulations 41 to 44 of the EIA Regulations, 2014, as amended. Where access to this online platform is not possible by an I&AP, alternative arrangements for participation will be made.

Participation in the EIA process is encouraged from I&APs during the EIA process in order to ensure that potential impacts are considered within the environmental studies. Persons with special needs can contact the relevant contact person below.

Your Responsibilities as an I&AP

In terms of the 2014 EIA Regulations, as amended, your attention is drawn to your responsibilities as an I&AP:

- In order to participate in the EIA process you must register yourself on the project database.
- You must ensure that any comments regarding the proposed project are submitted within the stipulated timeframes.
- You are required to disclose any direct business, financial, personal or other interest you may have in the approval or refusal of the application for the proposed project.

How to become involved

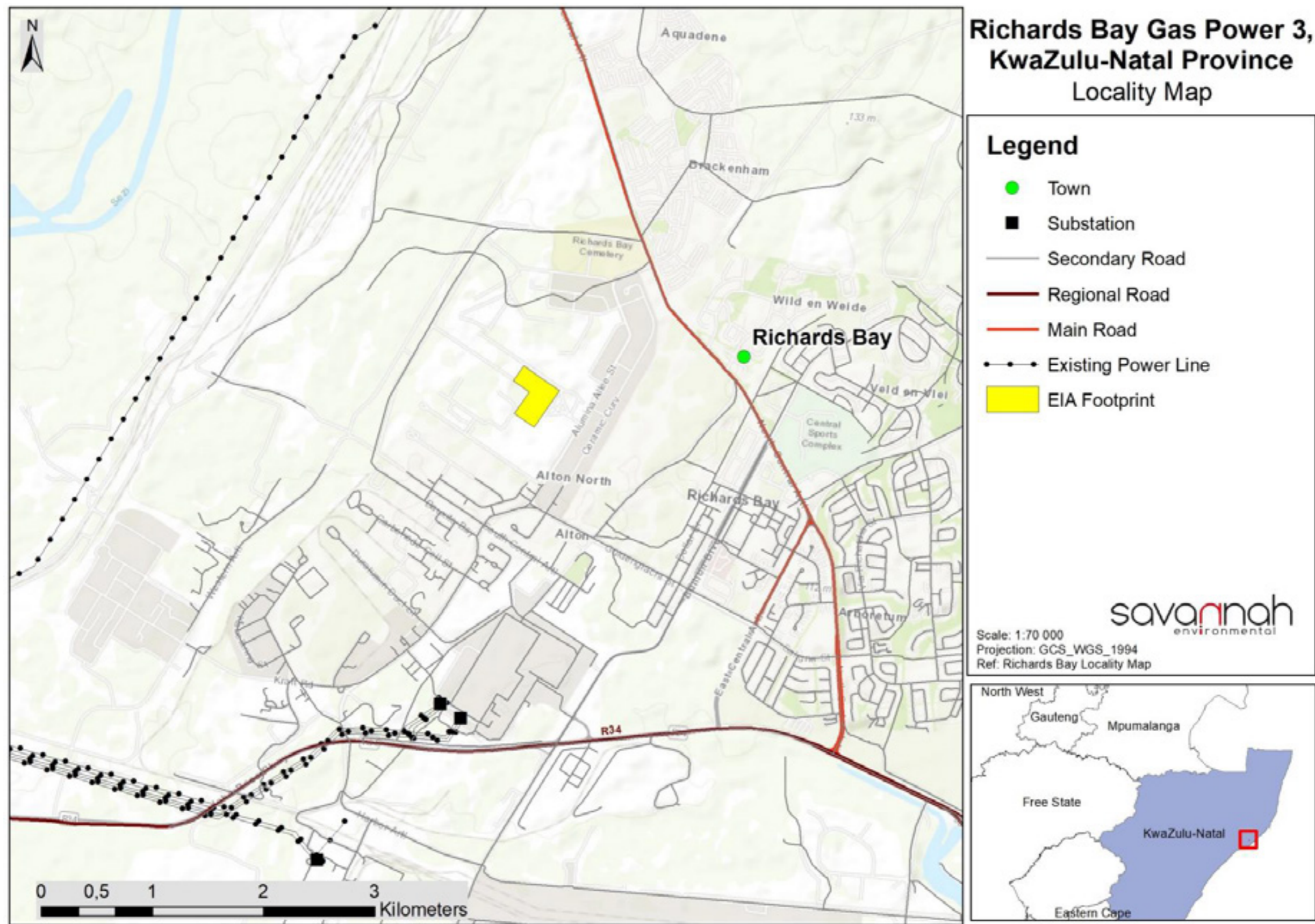
1. By responding by phone, fax or e-mail to the invitation for your involvement.
2. By returning the reply form to the relevant contact person.
3. By attending meetings to be held during the course of the process.
4. By contacting the consultants with queries or comments.
5. By reviewing and commenting on the Scoping, EIA and Basic Assessment Reports within the stipulated 30-day review periods.

If you consider yourself an I&AP for this project, we urge you to make use of the opportunities created by the public participation process to provide comment, raise issues and concerns which affect and/or interest you, or request further information. Your input forms a key element of the EIA process.

By completing and submitting the accompanying reply form, you automatically register yourself as an I&AP for the proposed project, and are ensured that your comments, concerns, or queries raised regarding the project will be noted. Please note that all comments received will be included in the project documentation. This may include personal information.



Figure 2: Locality map showing the location of the 2000MW CCPP site proposed in the Richards Bay IDZ





COMMENTS AND QUERIES

Direct all comments, queries or responses to:

Savannah Environmental
Nicolene Venter
P.O. Box 148, Sunninghill, 2157
Tel: 011 656 3237
Fax: 086 684 0547
Email: publicprocess@savannahsa.com

To view project documentation, visit
www.savannahSA.com



Appendix C5:
Organs of State Correspondence

SAVANNAH ENVIRONMENTAL WEBSITE

2000MW Combined Cycle Power Plant

Notice Of Environmental Impact Assessment, RBGP3 2000MW Combined Cycle Power Plant, Richards Bay IDZ Zone 1F, Richards Bay, Kwazulu-Natal

Applicant: Phakwe Richards Bay Gas Power 3 (Pty) Ltd

Proposed Location: The development is proposed on Erf 16820, Erf 16819, Erf 1/16674, and Subdivision of Erf 17442, situated within Phase 1F of the Richards Bay Industrial Development Zone (RIDZ) located approximately 5km north east of Richards Bay and 1km north of the suburb of Alton

Proposed Activity: Phakwe Richards Bay Gas Power 3 (Pty) Ltd (PRBGP3) proposes the development of a combined cycle (CC) gas to power plant, with a capacity of up to 2 000MW, on various erven within the Richards Bay IDZ Phase 1F, Richards Bay. The proposed project is to be known as the Phakwe Richards Bay Gas Power 3 CCPP. The project site is located approximately 5km north-east of Richards Bay and 1km north of the suburb of Alton, within the jurisdiction of the City of uMhlatuze Local Municipality and the King Cetshwayo District Municipality, KwaZulu-Natal Province. The power plant will operate at mid-merit to baseload duty and will include the following main infrastructure:

» A number of gas turbines for the generation of electricity through the use of natural gas (liquid or gas forms), or a mixture of Natural gas and Hydrogen (in a proportion scaling up from 20% H2) as fuel source, operating all turbines at mid-merit or baseload (estimated 16 to 24 hours daily operation).

» Closed Fin-fan coolers to cool lubrication oil for the gas turbines

» Exhaust stacks associated with each gas turbine.

» Gas generator Lubrication Oil System.

» A number of Heat Recovery Steam Generator (HRSG) to generate steam by capturing the heat from the turbine exhaust.

» Gas pipeline supply conditioning process facility. Please note, gas supply will be via dedicated pipeline from the proposed Transnet supply pipeline network of Richards Bay (the location of this network has not yet been confirmed) or, alternatively directly from the Regasification facilities at RB Harbour. The gas pipeline will be separately authorized.

» A number of steam turbines to generate additional electricity by means of the steam generated by the HRSG

» Site water facilities including potable water, storm water, waste water Fire water (FW) storage and FW system

» The water treatment plant will demineralise incoming water from municipal or similar supply, to the gas turbine and steam cycle requirements. The water treatment plant will produce two parts demineralised water and reject one-part brine, which will be discharged to the R IDZ stormwater system.

» Diesel emergency generator for start-up operation.

» Steam turbine water system will be a closed cycle with air cooled condensers. Make-up water will be required to replace blow down.

» Onsite fuel conditioning including heating system.

» Air cooled condensers to condensate used steam from the steam turbine.

» All underground services: This includes stormwater and wastewater.

» Compressed air station to supply service and process air.

» Ancillary infrastructure

» Water pipelines and water tanks for storage and distributing of process water. (Potential sourcing of alternative water outside RB IDZ supply (Municipality))

» Electrical facilities

» Water retention pond

Service infrastructure

Application for Environmental Authorisation: An application for Environmental Authorisation (EA) in terms of the National Environmental Management Act (No. 107 of 1998) (NEMA) and 2014 EIA Regulations (GNR 326) is being undertaken for the project. The application is being supported by a Scoping and Environmental Impact Assessment (S&EIA) process. The Scoping Report of the project is available for review and comment from **Friday, 12 November 2021** until **Monday, 13 December 2021**.

To obtain further information on the projects and to register on the projects' databases, please submit your name, contact information and interest in the projects, in writing, to Savannah Environmental:

Nicolene Venter / Tumelo Mathulwe at Savannah Environmental

P.O. Box 148, Sunninghill, 2157

Tel: 011 656 3237

Fax: 086 684 0547

Email: publicprocess@savannahsa.com

Website: www.savannahsa.com

Documents for public review are available for download.

If you have already registered your interest click on "**View Downloads**".

[VIEW DOWNLOAD PAGE](#)

If you have not registered your interest click on "**Register Interest**", fill in and submit the form.

[REGISTER INTEREST](#)

SAHRIS UPLOAD

Proof of upload to be included in final Scoping Report

Correspondence

APPENDIX C6
STAKEHOLDER CORRESPONDENCE

SAVANNAH ENVIRONMENTAL WEBSITE

2000MW Combined Cycle Power Plant

Notice Of Environmental Impact Assessment, RBGP3 2000MW Combined Cycle Power Plant, Richards Bay IDZ Zone 1F, Richards Bay, Kwazulu-Natal

Applicant: Phakwe Richards Bay Gas Power 3 (Pty) Ltd

Proposed Location: The development is proposed on Erf 16820, Erf 16819, Erf 1/16674, and Subdivision of Erf 17442, situated within Phase 1F of the Richards Bay Industrial Development Zone (RIDZ) located approximately 5km north east of Richards Bay and 1km north of the suburb of Alton

Proposed Activity: Phakwe Richards Bay Gas Power 3 (Pty) Ltd (PRBGP3) proposes the development of a combined cycle (CC) gas to power plant, with a capacity of up to 2000MW, on various erven within the Richards Bay IDZ Phase 1F, Richards Bay. The proposed project is to be known as the Phakwe Richards Bay Gas Power 3 CCPP. The project site is located approximately 5km north-east of Richards Bay and 1km north of the suburb of Alton, within the jurisdiction of the City of uMhlatuze Local Municipality and the King Cetshwayo District Municipality, KwaZulu-Natal Province. The power plant will operate at mid-merit to baseload duty and will include the following main infrastructure:

» A number of gas turbines for the generation of electricity through the use of natural gas (liquid or gas forms), or a mixture of Natural gas and Hydrogen (in a proportion scaling up from 20% H₂) as fuel source, operating all turbines at mid-merit or baseload (estimated 16 to 24 hours daily operation).

» Closed Fin-fan coolers to cool lubrication oil for the gas turbines

» Exhaust stacks associated with each gas turbine.

» Gas generator Lubrication Oil System.

» A number of Heat Recovery Steam Generator (HRSG) to generate steam by capturing the heat from the turbine exhaust.

» Gas pipeline supply conditioning process facility. Please note, gas supply will be via dedicated pipeline from the proposed Transnet supply pipeline network of Richards Bay (the location of this network has not yet been confirmed) or, alternatively directly from the Regasification facilities at RB Harbour. The gas pipeline will be separately authorized.

» A number of steam turbines to generate additional electricity by means of the steam generated by the HRSG

» Site water facilities including potable water, storm water, waste water Fire water (FW) storage and FW system

» The water treatment plant will demineralise incoming water from municipal or similar supply, to the gas turbine and steam cycle requirements. The water treatment plant will produce two parts demineralised water and reject one-part brine, which will be discharged to the R IDZ stormwater system.

» Diesel emergency generator for start-up operation.

» Steam turbine water system will be a closed cycle with air cooled condensers. Make-up water will be required to replace blow down.

» Onsite fuel conditioning including heating system.

» Air cooled condensers to condensate used steam from the steam turbine.

» All underground services: This includes stormwater and wastewater.

» Compressed air station to supply service and process air.

» Ancillary infrastructure

» Water pipelines and water tanks for storage and distributing of process water. (Potential sourcing of alternative water outside RB IDZ supply (Municipality))

» Electrical facilities

» Water retention pond

Service infrastructure

Application for Environmental Authorisation: An application for Environmental Authorisation (EA) in terms of the National Environmental Management Act (No. 107 of 1998) (NEMA) and 2014 EIA Regulations (GNR 326) is being undertaken for the project. The application is being supported by a Scoping and Environmental Impact Assessment (S&EIA) process. The Scoping Report of the project is available for review and comment from **Friday, 12 November 2021** until **Monday, 13 December 2021**.

To obtain further information on the projects and to register on the projects' databases, please submit your name, contact information and interest in the projects, in writing, to Savannah Environmental:

Nicolene Venter / Tumelo Mathulwe at Savannah Environmental

P.O. Box 148, Sunninghill, 2157

Tel: 011 656 3237

Fax: 086 684 0547

Email: publicprocess@savannahsa.com

Website: www.savannahsa.com

Documents for public review are available for download.

If you have already registered your interest click on "**View Downloads**".

[VIEW DOWNLOAD PAGE](#)

If you have not registered your interest click on "**Register Interest**", fill in and submit the form.

[REGISTER INTEREST](#)

SAHRIS UPLOAD

Proof of upload to be included in final Scoping Report

Correspondence

APPENDIX C7:
Comments Received

To be included in the final Scoping Report

APPENDIX C8:
Minutes of Meetings

To be included in the final Scoping Report