

Kriel Power Station Lime Plant Upgrade, Mpumalanga Province

Note of Focus Group Meeting

Held on Thursday 14 February 2019

**VENUE: 3rd Floor Boardroom, Department of Planning and
Development, eMalahleni Local, eMalahleni**

Notes for the Record prepared by:

Nicolene Venter

Savannah Environmental (Pty) Ltd

E-mail: publicprocess@savannahsa.com

Please address any comments to Savannah Environmental at the above address

Venue: 3rd Floor Boardroom, Department of Planning and Development, eMalahleni Local Municipality

Date: Thursday, 14 February 2019

Time: 09h00

MEETING ATTENDEES

Name	Organisation	Position
Erald Nkabinde	eMalahleni Local Municipality	Environmental Manager
Nkululeko Gumede		Town Planner
Sphamandla Mhlongo		Manager: Water & Sanitation
Lwando Simunca		Environmental Compliance
Mduduzi Makhubu		
Nwabisa Mehloakulu	Eskom Holdings SOC Ltd	Project Development Manager
Khuliso Rasimphi		Senior Environmental Advisor
Reuben Maroga	Savannah Environmental (Pty) Ltd	Environmental Scientist
Nicolene Venter		Public Participation and Social Consultant

APOLOGIES

Jerushan Pillay, Eskom Holdings SOC Ltd

WELCOME AND INTRODUCTION

Nicolene Venter welcomed all present at the meeting and the time they made available to attend the meeting. She informed the attendees that the Focus Group Meeting (FGM) was held with the aim to present the need for the project, the Basic Assessment Process and to present the key environmental findings as documented in the Basic Assessment Report. Additionally, the FGM was held to obtain any comments or concerns from eMalahleni Local Municipality Officials regarding the proposed project.

NV requested the attendees to introduce themselves and their respective roles.

BACKGROUND & TECHNICAL ASPECTS REGARDING THE PROPOSED PROJECT

Reuben Maroga presented the background to the proposed project and the key environmental findings.

Proposed Lime Plant Upgrade

He informed the attendees that Eskom SOC Ltd (Eskom) is proposing the upgrades to the existing Lime Softening Plant with associated infrastructure being added adjacent the Cooling Water

Treatment Plant near both the northern and southern sections of the Cooling Towers at Kriel Power Station

The proposed infrastructure will entail the following:

- construction of 2 x 1750 cubic metre Clarifiers;
- installation of Pipes (500m x 600mm); and
- dilution Feed Water Pumps

These activities will take place within the Kriel Power Station's footprint.

Basic Assessment Process

RM informed the attendees that the proposed project requires Environmental Authorisation (EA) in terms of the National Environmental Management Act, 2014 (NEMA), and the Environmental Impact Assessment (EIA) Regulations, 2014, as amended.

The Basic Assessment Report (BAR) has been made available for the required 30-day public review period as from Friday, 18 January 2019 until Monday, 18 February 2019. Following the conclusion of the 30-day review and comment period, the BAR will be updated, where necessary, and submitted to the competent authority, the Department of Environmental Affairs (DEA) for decision making.

Key environmental findings

He stated that the outcome of the environmental studies undertaken by the independent specialists, including social and biophysical perspectives, the outcome of the assessments are as follows:

- no fatal flaws have been identified;
- no alternatives have been identified; and
- all impacts associated with the upgrade of the Lime Plants at the Kriel Power Station were found to be environmentally acceptable.

Impacts during construction phase

The following impacts were identified that would occur during the construction phase and have been assessed, and their outcome are:

- Ecology and Soil
 - low significance following mitigation and no impact of high significance were identified
- Health and Safety
 - low significance following the implementation of mitigation measures
- Social
 - positive impacts of low significance
- Traffic
 - medium to low significance following implementation of mitigation measures.

Impacts during operation phase

The following impacts were identified that would occur during the construction phase and have been assessed, and their outcome are:

- Traffic
 - low significance following mitigation, no impact of high significance was identified.
- Health and Safety
 - low significance following the implementation of mitigation measures
- Social
 - Positive impacts of low significance

Sensitivity analysis

The attendees were informed that no areas of high sensitivity have been identified with the proposed development footprint.

Copy of the presentation is attached as **Appendix A**.

DISCUSSION SESSION

Question / Comment	Response
Erald Nkabinde requested that a process flow diagram be presented showing the process flow from the cooling towers to the lime treatment plant.	Reuben Maroga presented and elaborated on the process flow diagram as included in the BAR. It was agreed that the process flow will be attached to the meeting notes. Refer to Appendix B
Erald Nkabinde queried whether Kriel Power Station was changing from the current water treatment process in place to a new one, or was it the upgrading of the existing plants at the station.	Nwabisa Mehlomakulu indicated that the project was for the upgrading of the existing lime treatment plants at the station as the chemical properties of the water being used leads to corrosion within the station's power generation infrastructure. Furthermore, she indicated that the new lime plant will have a bigger treatment capacity and will improve the chemistry of the water used for cooling purposes in line with the Eskom Chemistry Standard.
Erald Nkabinde reiterated to the project team that the process flow diagram of the lime treatment process was an important aspect of the BAR, as such a thorough explanation of the process was required in order to contextualize the project better.	Reuben Maroga acknowledged Mr. Nkabinde's recommendation and made reference to page 3 of the BAR, where the process flow diagram is included as Figure 1.2 .

Erald Nkabinde sought clarity on the process flow diagram in that was it a closed system where softened water from the lime plants would be continuously pumped to the condenser to cool down the boilers during the power generation process at the station?	Reuben Maroga confirmed that the lime softening process was a closed system, and treated water from the plant would be re-circulated within the station's infrastructure.
Erald Nkabinde queried if there would be any discharge of waste water (effluent).	Reuben Maroga highlighted that the discharged effluent would be pumped to the existing ash water dams at the station.
Sphamandla Mhlongo asked if the water used in the cooling towers was raw water from the Vaal Water Scheme or from the condensation process in the cooling towers?	Reuben Maroga replied that it was raw water sourced from the Vaal Water Scheme.
Sphamandla Mhlongo asked whether the water used in the system will be treated or raw water will be used.	Reuben Maroga informed the attendees that at present the water from the Vaal Water Scheme was turbid (dirty), and following the power generation process, it created impurities which result in corrosion of the tubes within the station's infrastructure.
Sphamandla Mhlongo asked how effective the water balancing is within the power station assuming it is contaminated water and not fresh water.	Khuliso Rasimphi replied that it is a collective process – clarifier to cooling and condensers.
Sphamandla Mhlongo asked whether the water use for the cooling system also becomes dirty.	Khuliso Rasimphi responded that there would be boiler tube leaks.
Sphamandla Mhlongo asked what the water quality is that is being used.	Khuliso Rasimphi replied that the power station's main focus is clear on water separation; and this application does not affect GN704 regulation from the Department of Water and Sanitation, and that any slurry from the existing process is sent to the ash dam as per the current practice.
Erald Nkabinde asked if the scope of the project was not just to improve the quality of the water utilized at the station but was it to improve the power generating capacity of the station.	Khuliso Rasimphi indicated that the project scope involves the upgrading of the existing lime plants, however the reason this was being undertaken was to reduce the down times on the units at the station, and to save costs from an operational perspective.
Nkululeko Gumede asked for clarification whether the project is an upgrade to improve Kriel Power Station's generation capacity.	Reuben Maroga replied that the project is being proposed to upgrade the existing infrastructure as it will improve the quality of cooling water

<p>Mr Gumede joined the meeting after the presentation</p>	<p>being discharged to the condensers through lime treatment. The Water Treatment Plant is using the lime to clean the water. Internal studies undertaken by Eskom indicated that more treatment plants are needed on both sides of the cooling tower to avoid tube leaks and other impacts on the structure.</p>
<p>Erald Nkabinde asked whether the power station has the capacity to store the volume of lime required for this proposed process.</p>	<p>Khuliso Rasimphi responded that there is sufficient storage space for the lime storage.</p>
<p>Nkululeko Gumede noted that with the upgrading of the clarifiers it is believed that it would require some equipment driven by either diesel or petrol. Should this be the situation there is a possibility of spillage and ask whether this is covered by the impact studies.</p>	<p>Reuben Maroga responded that these impacts were assessed and included in the BAR and mitigation measures are included in the Environmental Management Programme. The attendees were also informed that the contractor also needs to adhere to Kriel Power Station's policies and procedures on site.</p>
<p>Erald Nkabinde asked what the life span of the ash dams is currently.</p>	<p>Khuliso Rasimphi replied that Kriel Power Station will be applying for a new ash dam facility. Every six (6) months the Kriel Power Station undertakes an assessment on the ash dam to determine its life span as it is nearing its capacity.</p>
<p>Erald Nkabinde asked whether the ash dam will sustain the current operations at the Power Station.</p>	<p>Khuliso Rasimphi indicated that the ash dam was nearing its capacity. However, measures are being taken by Eskom to begin the process of obtaining the necessary permits for the construction of a new one.</p>
<p>Erald Nkabinde raised the concern that waste is being increased rapidly and by 2022/2023 the current ash dam would have reached its capacity.</p>	
<p>Sphamandla Mhlongo enquired whether the water from the Vaal Water Scheme is a Class 4 and if so, that there is no need for an aggressive water treatment process. He also asked if all information relating to the treatment process was presented to the eMalahleni Local Municipality. It was also asked if there is anything that was not presented to eMalahleni Local Municipality i.e. the treatment of the water from the cooling towers.</p>	<p>Reuben Maroga responded that all information relating to the project, including a detailed description was included within the draft BAR.</p>
<p>Nkubuleko Gumede informed the project team that according to the Town Planning Department's records, Kriel Power Station had</p>	<p>Nwabisa Mehlomakulu acknowledged the concern raised and will take the matter to Head Office for attention.</p>

<p>not yet changed their land-use status from agriculture to industrial, and urged Eskom to attend to the matter as soon as possible.</p>	
<p>Erald Nkabinde thanked Savannah Environmental for presenting the environmental findings associated with the proposed development, as it was seldom that consultants hold such sessions with the eMalahleni Local Municipality for other EIA and BA projects.</p> <p>Erald Nkabinde further indicated that the eMalahleni Local Municipality support the project and there were no objections from the Municipality</p>	<p>Nicolene Venter thanked the Official for the comment and informed them that the briefing of Municipal Officials in any Environmental Impact or Basic Assessment Processes are key to ensure that all aspects of an Environmental Impact or Basic Assessment Process were considered and addressed where necessary.</p>
<p>Erald Nkabinde informed the project team that eMalahleni Local Municipality support the project and collectively speaking, has no objections. He also confirmed that the inputs provided at this meeting must be recorded as their comments on the BAR.</p>	<p>Nicolene Venter acknowledged Mr. Nkabinde's recommendation and assured all attendees that minutes to the meeting will be made available to all attendees and will also be appended to the final BAR.</p>

WAY FORWARD AND CLOSURE

Nicolene Venter thanked everyone for their valuable contribution and informed all that the draft minutes of the meeting will be circulated in due course to all attendees for their consideration.

Nicolene closed the meeting at 10h30.

APPENDIX A

Meeting Presentation

PROPOSED KRIEL POWER STATION LIME TREATMENT UPGRADE

KRIEL

MPUMALANGA PROVINCE

Focus Group Meetings

14 February 2019

MEETING AGENDA

1. Welcome and introduction
2. Purpose of the Meeting
3. Project Overview
4. EIA Process & Findings of the Specialist Studies
5. Way forward
6. Discussion session

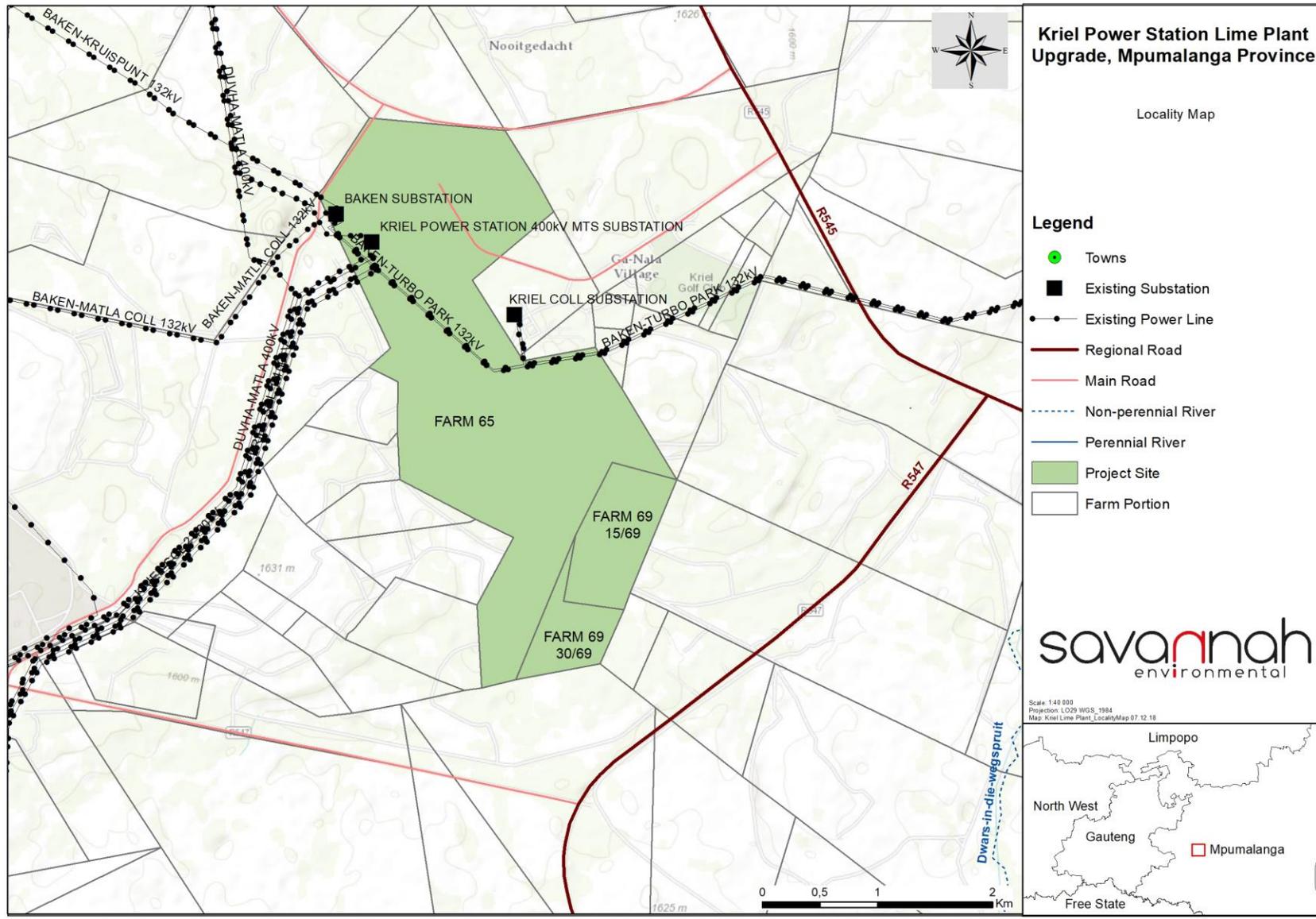
SAVANNAH ENVIRONMENTAL (PTY) LTD

- » Appointed as the independent **Environmental Assessment Practitioners (EAPs)**
- » Responsible for:
 - * **Environmental Impact Assessment (EIA)**
 - * **Public Participation (PP) Process**

PROJECT OVERVIEW

The proposed infrastructure will entail the following:

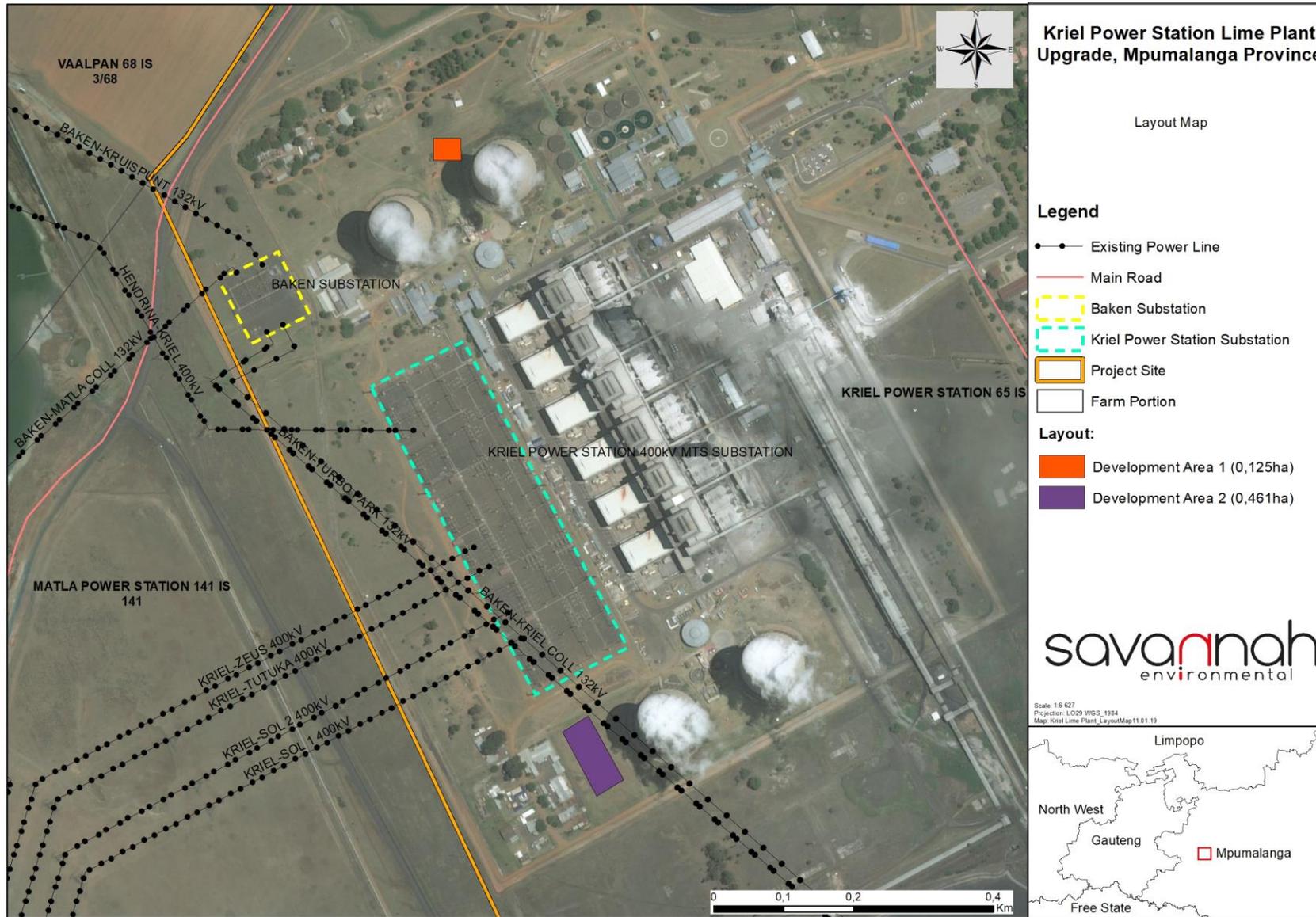
- » **Construction of 2 x 1750 cubic metre Clarifiers;**
- » **Installation of Pipes (500m x 600mm); and**
- » **Dilution Feed Water Pumps**



PROJECT SITE:

Located ~8km west of Kriel, and within the Kriel Power Station.

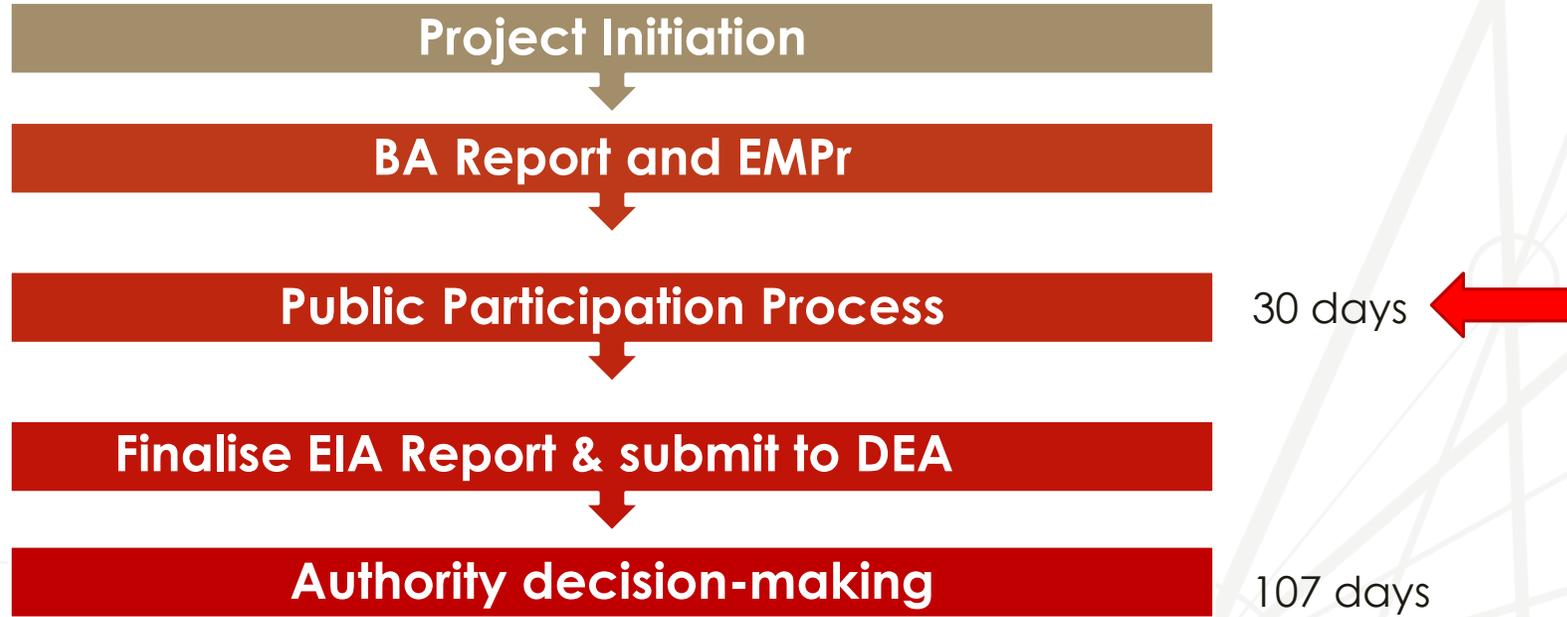
The station is accessible via R545 from Ogies and Kriel.



EIA PROCESS

- » The proposed project requires:
 - * **Environmental Authorisation (EA)** in terms of NEMA & the EIA Regulations (2014), as amended
- » A **BA Report** has been prepared & is available for a 30-day public review period:
 - * **18 January 2019 – 18 February 2019**
- » Following the conclusion of the 30-day public review period a **Final BA Report** will be prepared & submitted to DEA.

EIA PROCESS



OUTCOMES OF THE BA

- » A number of ground-truthed **impacts** & **benefits** from a **Social** & **Biophysical** perspective:
 - **No fatal flaws** have been identified; and
 - **No alternatives** have been identified.
 - * Project located within KPS property; and
 - * Existing access roads (R545) will be used.
- » All impacts associated with the upgrade of the Lime Plants at the KPS are environmentally acceptable.

IMPACTS DURING CONSTRUCTION

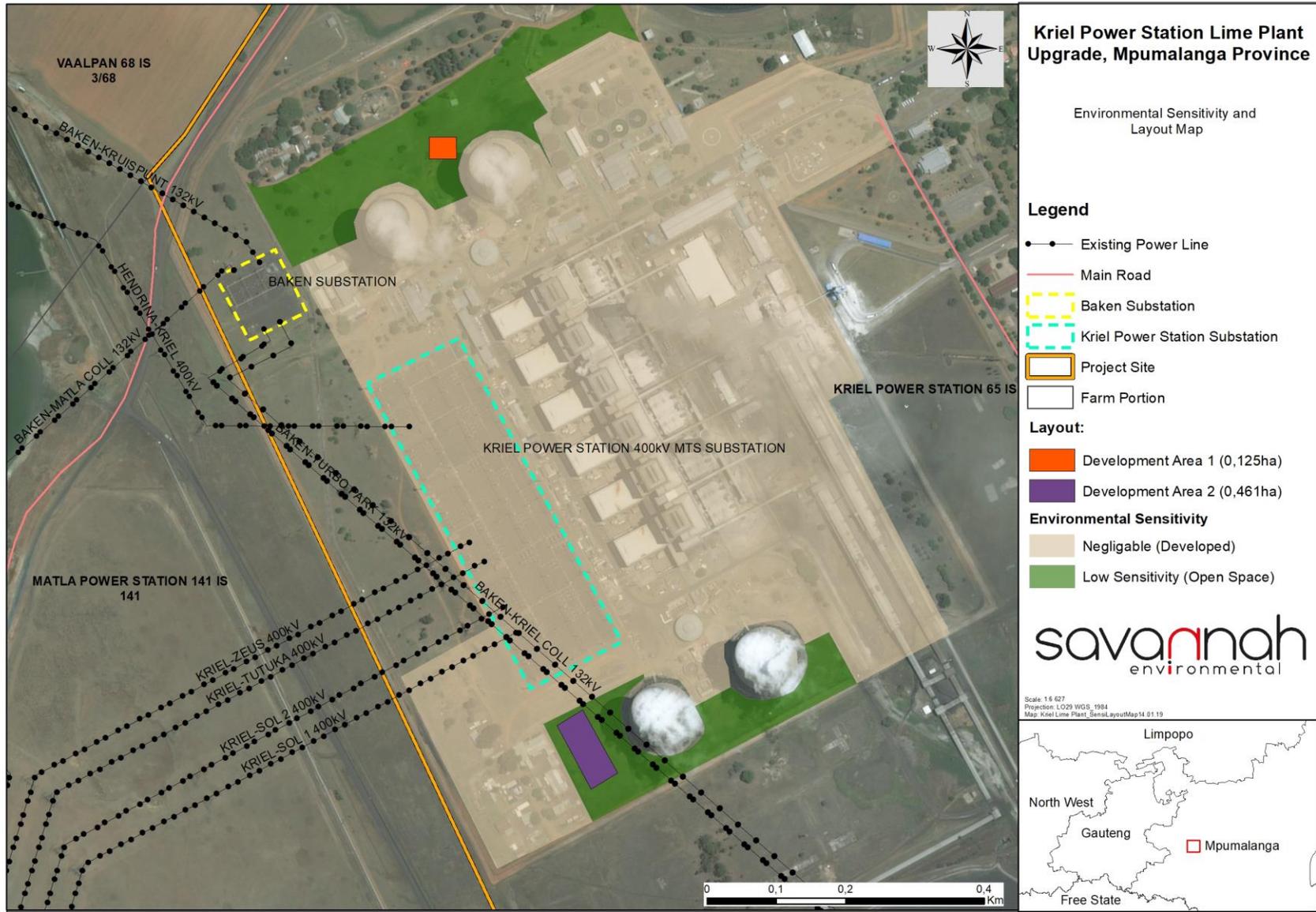
- » Ecology and Soil Impacts– low significance following mitigation, no impact of high significance.
- » Health & Safety – low significance following the implementation of mitigation measures.
- » Social-positive impacts of low significance.
- » Traffic-medium to low significance following implementation of mitigation measures.

IMPACTS DURING OPERATION

- » Traffic – low significance following mitigation, no impact of high significance.
- » Health & Safety – low significance following the implementation of mitigation measures.
- » Social-positive impacts of low significance.

SENSITIVITY ANALYSIS

- » No areas of **high sensitivity have been identified with the proposed development footprint.**
- » An environmental sensitivity map is included.



PLEASE DIRECT COMMENTS TO:

Nicolene Venter
Savannah Environmental

t: +27 (0)11 656 3237

f: +27 (0)86 684 0547

e: publicprocess@savannahsa.com

w: www.savannahsa.com

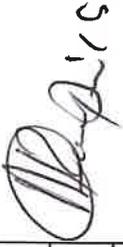
a: First Floor, Block 2, 5 Woodlands Drive Office Park
Cnr Woodlands Drive & Western Service Road
Woodmead, 2191

APPENDIX B

Process Flow Chart

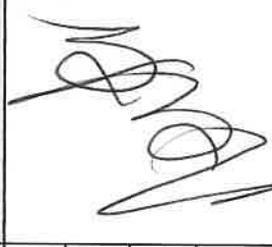
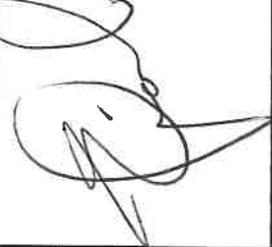


ATTENDANCE REGISTER			
Project	Kriel Power Station Lime Plant Upgrade (Basic Assessment)		Meeting
Date	Thursday, 14 February 2019	Time	09h00
			Venue
			3 rd Floor, Dept of Development & Planning
			Focus Group Meeting: eMalahleni Local Municipality

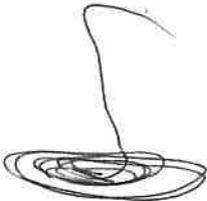
Organization	Name & Postal Address	Contact Details	Signature
Eskom Holdings SOC Ltd	Mr Khuliso Remaphi RASIMPHI	Tel: 017 615 2634	
Designation	Kriel Power Station	Fax: 086 6677624	
SENIOR ENVIRONMENTAL ADVISOR		Cell: 076 250 2002	
		Email: rasimpki@eskom.co.za	

Organization	Name & Postal Address	Contact Details	Signature
Eskom Holdings SOC Ltd	Mr Wesley Eis	Tel:	
Designation		Fax:	
		Cell:	
		Email: EisWV@eskom.co.za	

Organization	Name & Postal Address	Contact Details	Signature
Eskom Holdings SOC Ltd	Mr Neo Muthavhine	Tel:	
Designation		Fax:	
		Cell:	
		Email: MuthavNB@eskom.co.za	

Organization	Name & Postal Address	Contact Details	Signature
Eskom Holdings SOC Ltd	MISNwabisa Mehlomakulu	Tel: 011 800 5557	
Designation		Fax:	
Project Development Manager		Cell: 0730296258	
		Email: MehloM@eskom.co.za	
Savannah Environmental	Reuben Maroga PO Box 148 SUNNINGHILL 0547	Tel: (011) 656 3237	
Designation		Fax: (086) 685 0547	
Environmental Consultant		Cell: 071 146 1820 / 065 979 3565	
		Email: reuben@savannahsa.com	
Savannah Environmental	Nicolene Venter PO Box 148 SUNNINGHILL 0547	Tel: 011 656 3237	
Designation		Fax: 086 685 0547	
Public Participation & Social Consultant		Cell: 083 377 9112	
		Email: nicolene@savannahsa.com	
eMalahleni Local Municipality	Mr Erald Nkabine	Tel: 013 690 6350	
Designation		Fax:	
		Cell: 072 596 4904	
		Email: nkabindeej@emalahleni.gov.za	

Organization	Name & Postal Address	Contact Details	Signature
Emalahleni Local Municipality Designation Environmental Compliance	Mkhuzi e Makhubela PO Box 1312 Emalahleni 1192	Tel: Fax: Cell: 071 346 0157 Email:	
Emalahleni Local Municipality Designation Environmental Compliance	Lwando Simunqa	Tel: Fax: Cell: 078 932 2569 Email:	
Emalahleni Local Municipality Designation Town Planner	Mkhubela Gwede 56 Makhubela Drive	Tel: 013 690 6451 Fax: 013 690 6295 Cell: 072 213 1093 Email: gwede@emalahleni.gov.za	
Eskom MWF Designation Project Development Manager	Nwabisa Mehlokulu	Tel: 011 800 5557 Fax: Cell: 073 0296258 Email: Mehlokulu@eskom.co.za	

Organization	Name & Postal Address	Contact Details	Signature
ECM	SPHANNANLA MUNICIPALITY	Tel: Fax: Cell: 063 280 3061 Email: mthobajom@emalahleni.gov.za	
MANAGER WATER & SANITATION			
Organization	Name & Postal Address	Contact Details	Signature
		Tel: Fax: Cell: Email:	
Designation			
Organization	Name & Postal Address	Contact Details	Signature
		Tel: Fax: Cell: Email:	
Designation			
Organization	Name & Postal Address	Contact Details	Signature
		Tel: Fax: Cell: Email:	
Designation			

Kriel Power Station Lime Plant Upgrade, Mpumalanga Province

**Note of Focus Group Meeting
Held on Thursday 14 February 2019
VENUE: Kriel Power Station Boardroom 1, Kriel**

Notes for the Record prepared by:

Nicolene Venter

Savannah Environmental (Pty) Ltd

E-mail: publicprocess@savannahsa.com

Please address any comments to Savannah Environmental at the above address

Venue: Kriel Power Station Boardroom 1, Kriel

Date: Thursday, 14 February 2019

Time: 14h00

MEETING ATTENDEES

Name	Organisation	Position
Maphuti Boloka	Seriti - Kriel	Environmental Superintendent
Rika Wilken	eMalahleni Local Municipality	Councillor: Ward 25
Khuliso Rasimphi	Eskom Holdings SOC Ltd	Senior Environmental Advisor
Livhuwani Tshilate		Environmental Manager
Reuben Maroga	Savannah Environmental (Pty) Ltd	Environmental Scientist
Nicolene Venter		Public Participation and Social Consultant

APOLOGIES

Jerushan Pillay, Eskom Holdings SOC Ltd

Nwabisa Mehlomakulu, Eskom Holdings SOC Ltd

Palesa Makobane, Eskom Holdings SOC Ltd

WELCOME AND INTRODUCTION

Nicolene Venter (NV) welcomed all present at the meeting and the time they made available to attend the meeting. She informed the attendees that the Focus Group Meeting (FGM) was held with the aim to present the need for the project, the Basic Assessment Process and to present the key environmental findings as documented in the Basic Assessment Report Additionally. The FGM was held to obtain any comments or concerns from adjacent landowners and Ward Councillors from eMalahleni Local Municipality regarding the proposed project.

NV requested the attendees to introduce themselves and their respective roles.

BACKGROUND & TECHNICAL ASPECTS REGARDING THE PROPOSED PROJECT

Reuben Maroga presented the background to the proposed project and the key environmental findings.

Proposed Lime Plant Upgrade

He informed the attendees that Eskom SOC Ltd (Eskom) is proposing the upgrades to the existing Lime Softening Plant with associated infrastructure being added adjacent the Cooling Water Treatment Plant near both the northern and southern sections of the Cooling Towers at Kriel Power Station

The proposed infrastructure will entail the following:

- construction of 2 x 1750 cubic metre Clarifiers;
- installation of Pipes (500m x 600mm); and
- dilution Feed Water Pumps

These activities will take place within the Kriel Power Station's footprint.

Basic Assessment Process

RM informed the attendees that the proposed project requires Environmental Authorisation (EA) in terms of the National Environmental Management Act, 2014 (NEMA), and the Environmental Impact Assessment (EIA) Regulations, 2014, as amended.

The Basic Assessment Report (BAR) has been made available for the required 30-day public review period as from Friday, 18 January 2019 until Monday, 18 February 2019. Following the conclusion of the 30-day review and comment period, the BAR will be updated, where necessary, and submitted to the competent authority, the Department of Environmental Affairs (DEA) for decision making.

Key environmental findings

RM stated that the outcome of the environmental studies undertaken by the independent specialists, including social and biophysical perspectives, the outcome of the assessments are as follows:

- no fatal flaws have been identified;
- no alternatives have been identified; and
- all impacts associated with the upgrade of the Lime Plants at the Kriel Power Station were found to be environmentally acceptable.

Impacts during construction phase

The following impacts were identified that would occur during the construction phase and have been assessed, and their outcome are:

- Ecology and Soil
 - low significance following mitigation and no impact of high significance were identified
- Health and Safety
 - low significance following the implementation of mitigation measures
- Social
 - positive impacts of low significance
- Traffic
 - medium to low significance following implementation of mitigation measures.

Impacts during operation phase

The following impacts were identified that would occur during the construction phase and have been assessed, and their outcome are:

- Traffic
 - low significance following mitigation, no impact of high significance was identified.

- Health and Safety
 - low significance following the implementation of mitigation measures
- Social
 - Positive impacts of low significance

Sensitivity analysis

The attendees were informed that no areas of high sensitivity have been identified with the proposed development footprint.

Copy of the presentation is attached as **Appendix A**.

DISCUSSION SESSION

Question / Comment	Response
Maphuti Boloka informed the project team that as the proposed project is restricted to Kriel Power Station's premises, there would be no impact on their mining activities as adjacent landowner.	Nicolene Venter thanked Mr Boloka for the confirmation.
Rika Wilken asked why the project is being proposed. <i>Cllr Wilken joined the meeting after the background to the project was presented due to a previous commitment running late.</i>	Reuben Maroga responded that the proposed development has two objectives: <ul style="list-style-type: none"> ➤ to improve the quality of cooling water being discharged to the condensers for cooling through lime treatment. This is needed as the Vaal Water Scheme water quality is much harder compared to the Usutu Scheme water, which results in a higher volume of water required for adequate treatment of the cooling water quality; and ➤ to reduce the demand for raw make up water in the Cooling Water system and thus reduce the supply pressure on the Vaal Water Scheme. <p>It was also mentioned that it would save Kriel Power Station money as there would not be a need for the frequent maintenance that is currently being done and less waste water will be pumped to the ash water dam.</p>
Rika Wilken asked what benefit there will be for the community.	Reuben Maroga responded that this project is a R300 million project of 30%, as a minimum, of the total value of the project will be allocated to social development.

WAY FORWARD AND CLOSURE

Nicolene Venter thanked everyone for their valuable contribution and informed all that the draft minutes of the meeting will be circulated in due course to all attendees for their consideration.

Nicolene closed the meeting at 14h45.

APPENDIX A

Meeting Presentation

PROPOSED KRIEL POWER STATION LIME TREATMENT UPGRADE

KRIEL

MPUMALANGA PROVINCE

Focus Group Meetings

14 February 2019

MEETING AGENDA

1. Welcome and introduction
2. Purpose of the Meeting
3. Project Overview
4. EIA Process & Findings of the Specialist Studies
5. Way forward
6. Discussion session

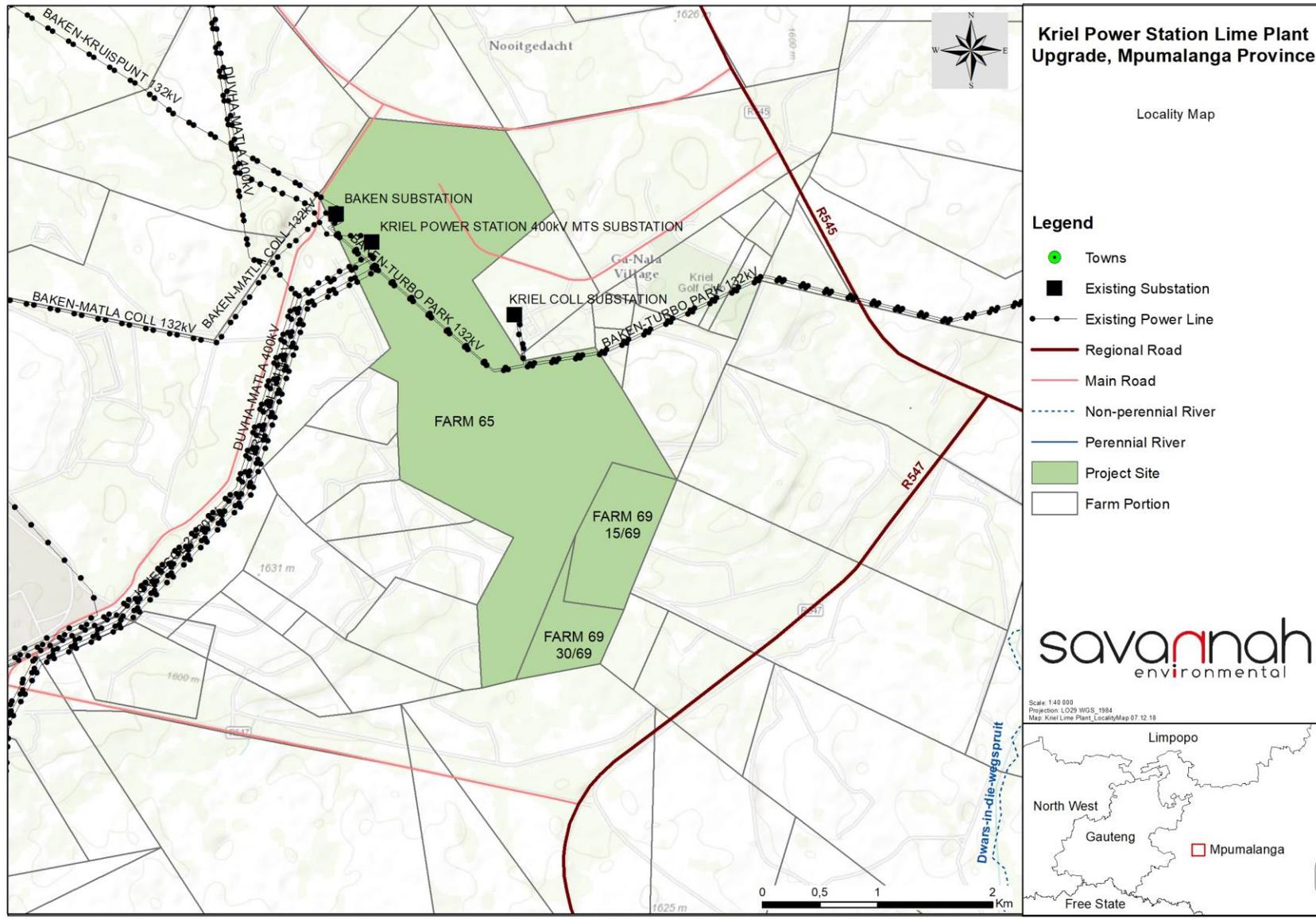
SAVANNAH ENVIRONMENTAL (PTY) LTD

- » Appointed as the independent **Environmental Assessment Practitioners (EAPs)**
- » Responsible for:
 - * **Environmental Impact Assessment (EIA)**
 - * **Public Participation (PP) Process**

PROJECT OVERVIEW

The proposed infrastructure will entail the following:

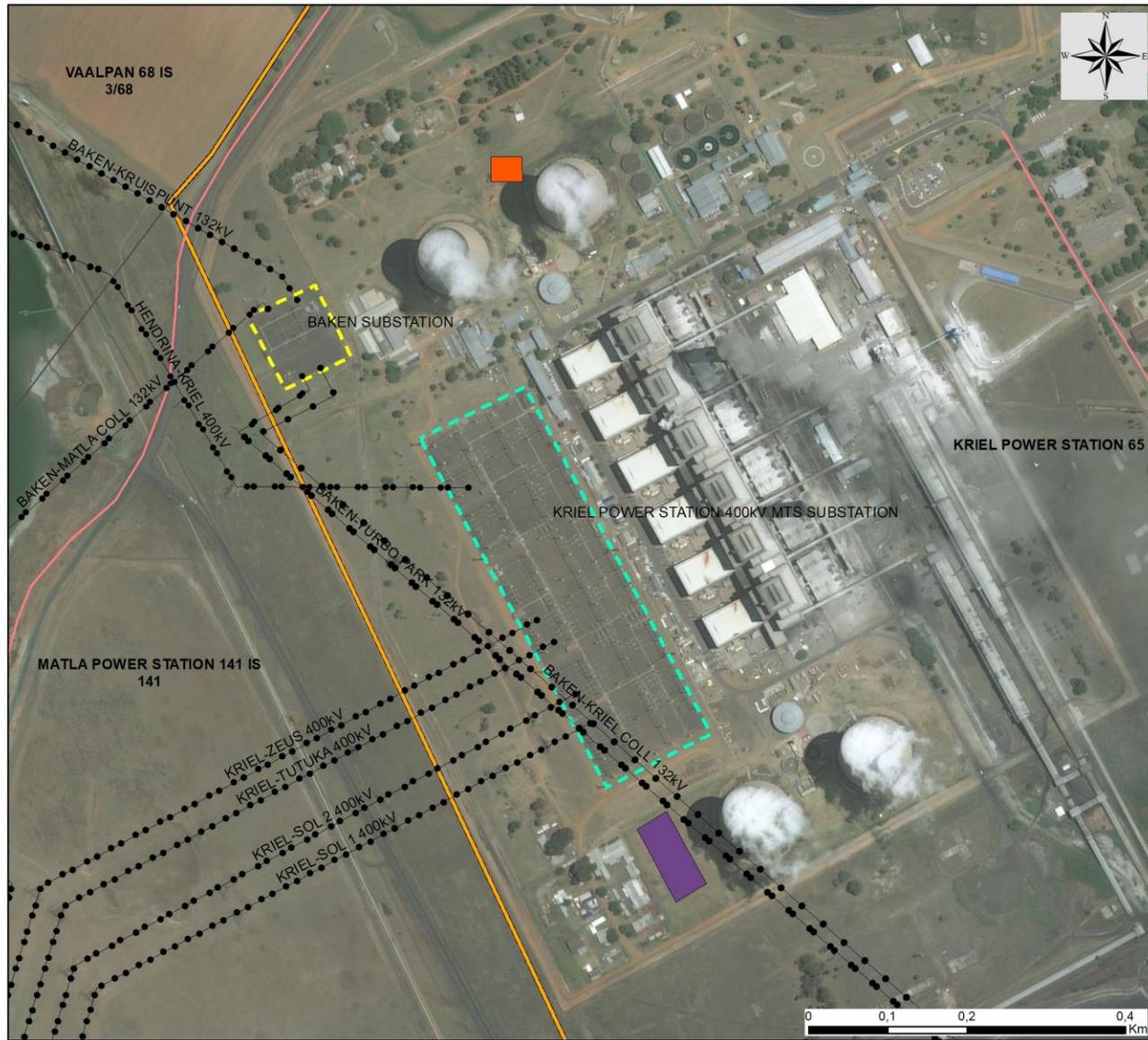
- » **Construction of 2 x 1750 cubic metre Clarifiers;**
- » **Installation of Pipes (500m x 600mm); and**
- » **Dilution Feed Water Pumps**



PROJECT SITE:

Located ~8km west of Kriel, and within the Kriel Power Station.

The station is accessible via R545 from Ogies and Kriel.



Kriel Power Station Lime Plant Upgrade, Mpumalanga Province

Layout Map

Legend

- Existing Power Line
- Main Road
- ▭ Baken Substation
- ▭ Kriel Power Station Substation
- ▭ Project Site
- ▭ Farm Portion

Layout:

- ▭ Development Area 1 (0,125ha)
- ▭ Development Area 2 (0,461ha)

savannah
environmental

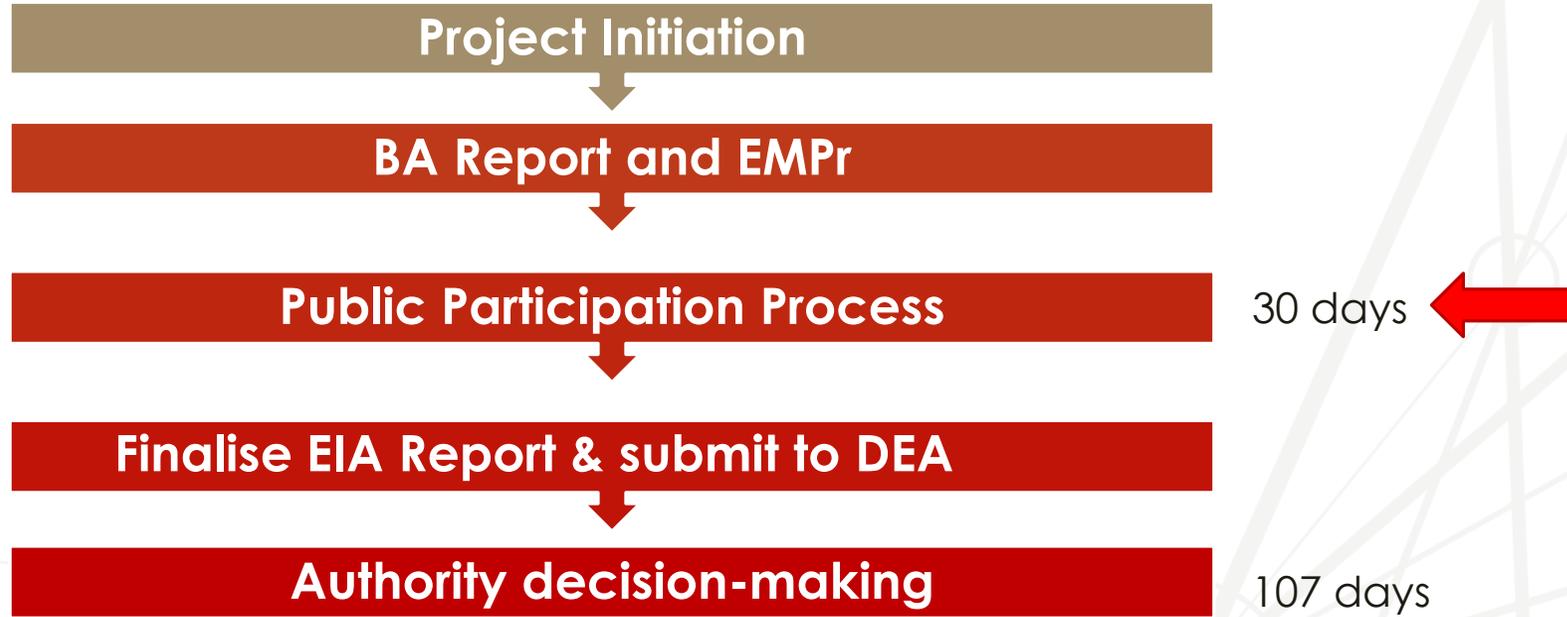
Scale: 1:5 627
Projection: L029 WGS_1984
Map: Kriel Lime Plant_LayoutMap110119



EIA PROCESS

- » The proposed project requires:
 - * **Environmental Authorisation (EA)** in terms of NEMA & the EIA Regulations (2014), as amended
- » A **BA Report** has been prepared & is available for a 30-day public review period:
 - * **18 January 2019 – 18 February 2019**
- » Following the conclusion of the 30-day public review period a **Final BA Report** will be prepared & submitted to DEA.

EIA PROCESS



OUTCOMES OF THE BA

- » A number of ground-truthed **impacts** & **benefits** from a **Social** & **Biophysical** perspective:
 - **No fatal flaws** have been identified; and
 - **No alternatives** have been identified.
 - * Project located within KPS property; and
 - * Existing access roads (R545) will be used.
- » All impacts associated with the upgrade of the Lime Plants at the KPS are environmentally acceptable.

IMPACTS DURING CONSTRUCTION

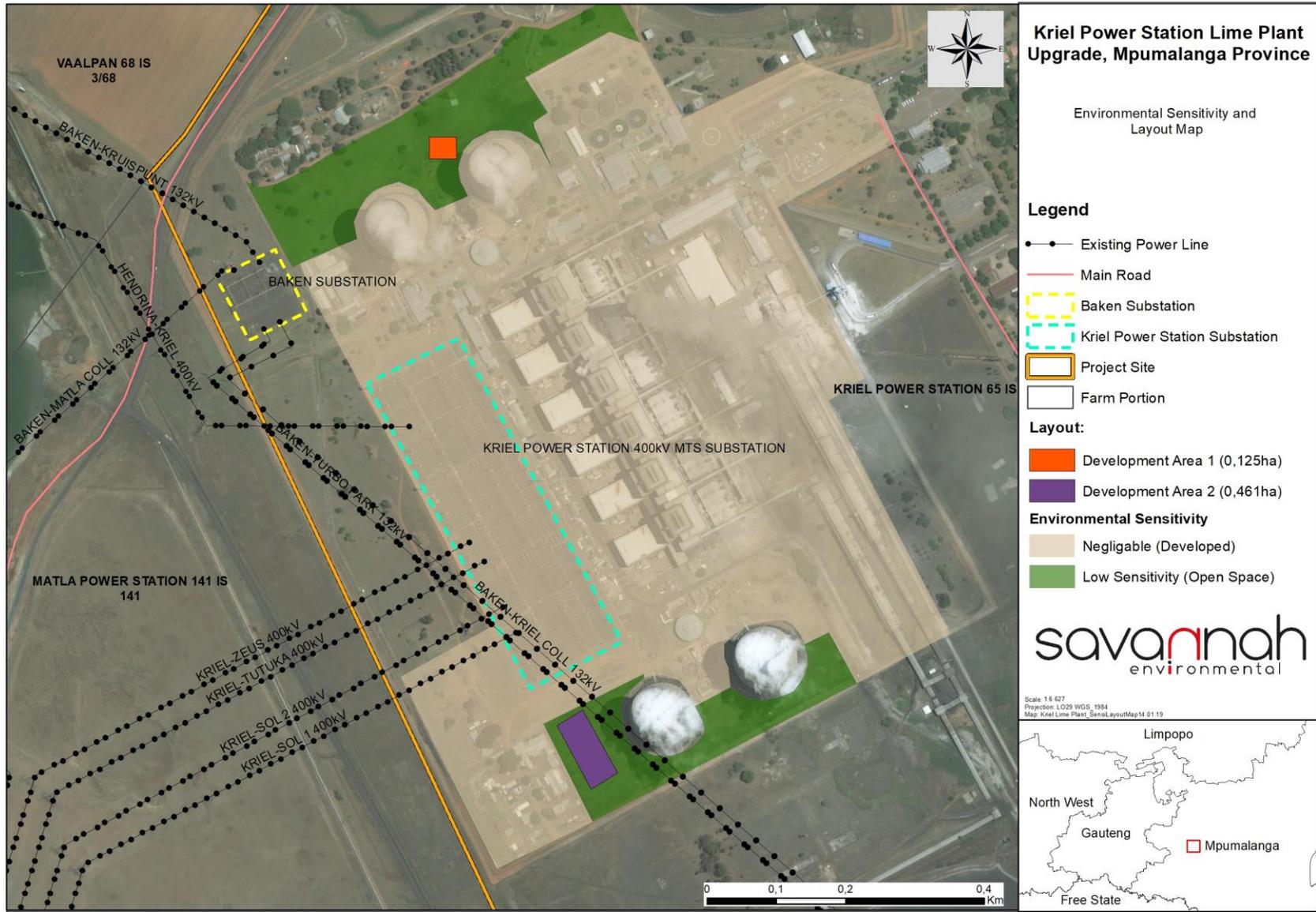
- » Ecology and Soil Impacts– low significance following mitigation, no impact of high significance.
- » Health & Safety – low significance following the implementation of mitigation measures.
- » Social-positive impacts of low significance.
- » Traffic-medium to low significance following implementation of mitigation measures.

IMPACTS DURING OPERATION

- » Traffic – low significance following mitigation, no impact of high significance.
- » Health & Safety – low significance following the implementation of mitigation measures.
- » Social-positive impacts of low significance.

SENSITIVITY ANALYSIS

- » No areas of **high sensitivity have been identified with the proposed development footprint.**
- » An environmental sensitivity map is included.



PLEASE DIRECT COMMENTS TO:

Nicolene Venter
Savannah Environmental

t: +27 (0)11 656 3237

f: +27 (0)86 684 0547

e: publicprocess@savannahsa.com

w: www.savannahsa.com

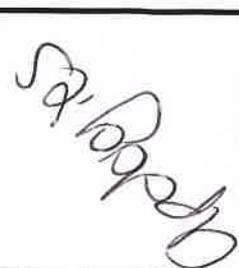
a: First Floor, Block 2, 5 Woodlands Drive Office Park
Cnr Woodlands Drive & Western Service Road
Woodmead, 2191

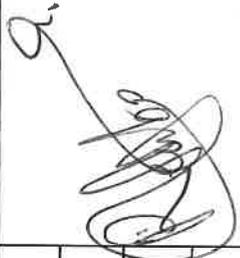
ATTENDANCE REGISTER

Project	Kriel Power Station Lime Plant Upgrade (Basic Assessment)		Meeting	Focus Group Meeting: Landowners	
Date	Thursday, 14 February 2019	Time	14h00	Venue	Boardroom, Kriel Power Station

Organization	Name & Postal Address	Contact Details	Signature
Eskom Holdings SOC Ltd	Mr Khuliso Ramaphi Rasimpkji Kriel Power Station	Tel: 017 615 2634 Fax: 086 66 77 624 Cell: 076 250 2902 Email: rasimpkj@eskom.co.za	
Designation			

Organization	Name & Postal Address	Contact Details	Signature
Eskom Holdings SOC Ltd	Mr Wesley Eis	Tel: Fax: Cell: Email: ElsWV@eskom.co.za	
Designation			

Organization	Name & Postal Address	Contact Details	Signature
Eskom Holdings SOC Ltd	Mr Neo Muthavhine	Tel: Fax: Cell: Email: MuthavNB@eskom.co.za	
Designation			

Organization	Name & Postal Address	Contact Details	Signature
Eskom Holdings SOC Ltd	Mr Nwabisa Mehlomakulu	Tel: Fax: Cell: Email: MehloM@eskom.co.za	
Designation			
Organization	Name & Postal Address	Contact Details	Signature
Savannah Environmental	Reuben Maroga PO Box 148 SUNNINGHILL 0547	Tel: (011) 656 3237 Fax: (086) 685 0547 Cell: 071 146 1820 / 065 979 3565 Email: reuben@savannahsa.com	
Designation			
Environmental Consultant			
Organization	Name & Postal Address	Contact Details	Signature
Savannah Environmental	Nicolene Venter PO Box 148 SUNNINGHILL 0547	Tel: 011 656 3237 Fax: 086 685 0547 Cell: 083 377 9112 Email: nicolene@savannahsa.com	
Designation			
Public Participation & Social Consultant			
Organization	Name & Postal Address	Contact Details	Signature
Eskom Kriel Power station	Linhuwani Tshilate P/Bag 5006 Kriel 2271	Tel: 017 615 2317 Fax: 086 666 9043 Cell: 063 017 8129 Email: tshilal@eskom.co.za	
Designation			
Environmental Manager			

Organization	Name & Postal Address	Contact Details	Signature
Seriti - Kriel Designation Environmental Superintendent	Maphuti Boloka P.O. Box 27 Kriel 2271	Tel: 017 617 1157 Fax: Cell: 082 889 4214 Email: maphuti.boloka@seritiza.com	
Word Cancellor 26 Designation	Rika Wilken 22 Albatros Kriel	Tel: 060 7355 4433 Fax: Cell: Email: wilken.rika@gmail.com	
Kriel Power Station Designation Environmental Office	Liza Ntifa Kriel Power Station	Tel: 017 648 0027 Fax: Cell: 072 16 15 676 Email: NtifaLW@eskom.co.za	
Organization Designation	Name & Postal Address	Contact Details	Signature
Organization Designation	Name & Postal Address	Contact Details	Signature