

Mareike Straeuli

From: Lynette Mitchell <lynette.mitchell@acerafrica.co.za>
Sent: 12 October 2017 08:50 AM
To: 'Keagan Kruger'; mareike.straeuli@acerafrica.co.za
Subject: FW: ESKOM'S PROPOSED DECOMMISSIONING OF THE EXISTING CLOCOLAN - FICKSBURG 88 KV POWER LINE: BACKGROUND INFORMATION AND INVITATION TO PARTICIPATE

From: Fiona Viljoen [mailto:fviljoen@setsoto.co.za]
Sent: 12 October 2017 08:31 AM
To: publicparticipation@acerafrica.co.za
Cc: div003@wirelessmail.co.za; senzok@setsoto.co.za; 'Thobeka Zondi'
Subject: RE: ESKOM'S PROPOSED DECOMMISSIONING OF THE EXISTING CLOCOLAN - FICKSBURG 88 KV POWER LINE: BACKGROUND INFORMATION AND INVITATION TO PARTICIPATE

Good morning Mr Keagan Kruger

I forwarded your e-mail to Engineering Services. In future please address all matters relating to abovementioned project to the following persons:

Thobeka Zondi engineering@setsoto.co.za
Wessel de Villiers wessel@setsoto.co.za & div003@wirelessmail.co.za
Senzo Konene senzok@setsoto.co.za

Thank you.

Regards,

Fiona Viljoen
Manager: Revenue



Setsoto Municipality
Tel : 051 933 9335
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From: ACER - Public Participation [mailto:publicparticipation@acerafrica.co.za]
Sent: 11 October 2017 12:23 PM
To: fviljoen@setsoto.co.za
Subject: ESKOM'S PROPOSED DECOMMISSIONING OF THE EXISTING CLOCOLAN - FICKSBURG 88 KV POWER LINE: BACKGROUND INFORMATION AND INVITATION TO PARTICIPATE

11 October 2017

Dear Ms Viljoen

**BACKGROUND INFORMATION AND INVITATION TO PARTICIPATE IN THE ENVIRONMENTAL
AUTHORISATION PROCESS**

ESKOM'S PROPOSED DECOMMISSIONING OF THE EXISTING CLOCOLAN – FICKSBURG 88 KV POWER LINE AND CONSTRUCTION OF THE MARALLANENG SUBSTATION NEAR FICKSBURG, SETSOTO LOCAL MUNICIPALITY, FREE STATE

1. INTRODUCTION

Eskom Holdings SOC Limited (Eskom) has appointed ACER (Africa) Environmental Consultants (ACER) as the Environmental Assessment Practitioner (EAP) responsible for obtaining environmental authorisation (EA) for the decommissioning of the existing 88 kV power line from the Clocolan Substation to the Ficksburg Municipal Substation and the construction of the new 2 x 20 MVA Marallaneng 88/11 kV Substation and associated infrastructure near Ficksburg, in the Setsoto Local Municipality, Free State.

Eskom's proposed development as outlined in the project description below, will trigger activities listed in terms of the Listing Notices 1 and 3 of the current EIA Regulations (GNR 983 and 985 of 2014) (as amended) thereby requiring environmental authorisation, following the undertaking of a Basic Assessment (BA) and associated Public Participation Process.

Figure 1 Locality map of Eskom's existing (red) and authorised (blue) 88 kV power lines and the proposed Marallaneng Substation

2. PROJECT BACKGROUND

2.1 Decommissioning of the existing 88 kV power line

Eskom is proposing the complete removal of the existing 88 kV power line, currently running from the Clocolan Substation to the Ficksburg Municipal Substation, and its relocation onto the double circuit structures of the previously authorised new 88 kV power line (Figure 1). The need to remove the existing power line arose during Eskom's servitude negotiations with affected stakeholders and landowners, and will serve to reduce the visual impacts and physical footprint on both natural and agricultural land that would be associated with having two high voltage power lines running to and from the same destination within relative close proximity to each other.

2.2 Construction of the new Marallaneng Substation

The new 2 x 20 MVA Marallaneng 88/11 kV Substation has been proposed on the Ficksburg end of the authorised 88 kV power line to address the demand for electricity in the townships near Ficksburg (Figure 2). The Setsoto Local Municipality has formally requested a new substation in order to provide sufficient capacity to allow the municipality to implement new infrastructure developments, and to provide power to already completed projects and RDP houses.

Figure 2 Proposed Marallaneng Substation and associated infrastructure

3. CURRENT ENVIRONMENTAL LEGISLATION

The current Environmental Impact Assessment (EIA) Regulations, 2014 published in Government Notices R 982, 983, 984 and 985 of 4 December 2014 (as amended) will apply to this project. Eskom's proposed development will trigger the following activities in terms of Listing Notices 1 and 3 (GNR 983 and 985) of the current EIA regulations:

Table 1 Listed activities for which environmental authorisation is required.

Listing Notice and Activity	Description of Activity	Reason triggered
GNR 983 - Activity 11	The development of facilities or infrastructure for the transmission and distribution of electricity: (i) outside urban areas or industrial complexes with a capacity of more than 33 but less than 275 kilovolts...	The proposed Marallaneng Substation falls outside of the Ficksburg urban edge and will have a capacity of more than 33 kV but less than 275 kV.
GNR 983 - Activity 12	The development of:	Certain infrastructure associated with the already authorised 88 kV power line including the loop

	(ii) infrastructure or structures with a physical footprint of 100 m ² or more; where such development occurs: (a) within a watercourse. (c) if no development setback exists, within 32 m of a watercourse, measured from the edge of a watercourse...	in/out lines and medium voltage (MV) lines leaving the Marallaneng Substation will not be able to entirely avoid identified wetlands and watercourses surrounding the Substation, thereby cumulatively resulting in a footprint of more than 100 m ² .
GNR 983 - Activity 19	The infilling or depositing of any material of more than 10 m ³ into, or the dredging, excavation, removal or moving of soil, sand, shells, shell grit, pebbles or rock of more than 10 m ³ from a watercourse.	Certain infrastructure associated with the already authorised 88 kV power line including the loop in/out lines and medium voltage (MV) lines leaving the Marallaneng Substation will not be able to entirely avoid identified wetlands surrounding the Substation.
GNR 983 - Activity 31	The decommissioning of existing facilities, structures or infrastructure for: (i) any development and related operation activity or activities listed in this Notice, Listing Notice 2 of 2014 or Listing Notice 3 of 2014...	The development of the existing 88 kV power line would trigger activities listed under Listing Notices 1 and 3, and therefore the decommissioning of such infrastructure will trigger activity 31 of Listing Notice 1.
GNR 985 - Activity 12	The clearance of an area of 300 m ² or more of indigenous vegetation: (v) within areas within a watercourse or wetland; or within 100 m from the edge of a watercourse or wetland.	The cumulative clearance of indigenous vegetation within and within 100 m from the edge of watercourses or wetlands required for the construction of the substation and associated infrastructure may exceed 300 m ² .

Based on the activities triggered, ACER will therefore, on behalf of Eskom will be undertaking a Basic Assessment (BA) process which will be submitted to the Department of Environmental Affairs (DEA), for consideration and decision-making.

The proposed development will also require authorisation from the Department of Water and Sanitation (DWS), for water uses in terms of Section 21 (c) and (i) of the National Water Act, 1998 (Act No 36 of 1998)(NWA). The relevant water use registration or application process, in terms of the NWA, will be undertaken in consultation with DWS.

The purpose of this letter is to invite you, as a potential Interested & Affected Party (I&AP) to participate in the environmental authorisation process. If you would like to register as an I&AP please complete and return the attached Comment Sheet to the ACER Public Participation Office before 10 November 2017.

Please contact the ACER Public Participation Office to obtain further information:

ACER (Africa) Environmental Consultants
Mareike Straeuli or Keagan Kruger
P O Box 503, Mtunzini, 3867
Tel: 035 340 2715 Fax: 035 340 2232
E-mail: marallaneng.substation@acerafrica.co.za

Your participation is valued and will be appreciated.

Yours sincerely,

Mr Keagan Kruger

ACER (Africa) Environmental Consultants
Environmental Assessment Practitioner

AGTERGRONDINLIGTING EN UITNODIGING OM DEEL TE NEEM AAN DIE OMGEWINGSMAGTIGINGSPROSES

ESKOM SE VOORGESTELDE ONTMANTELING VAN DIE BESTAANDE CLOCOLAN – FICKSBURG 88 KV KRAGLYN EN OPRIGTING VAN DIE MARALLANENG SUBSTASIE IN DIE OMGEWING VAN FICKSBURG, SETSOTO PLAASLIKE MUNISIPALITEIT, VRYSTAAT

1. INLEIDING

Eskom Holdings SOC Limited (Eskom) het ACER (Africa) Environmental Consultants (ACER) aangestel as die Omgewingsassesseringspraktisyn (OAP) verantwoordelik vir die verkryging van omgewings-magtiging (OB) vir die ontmanteling van die bestaande 88 kV kraglyn vanaf die Clocolan Substasie tot by die Ficksburg Munisipale Substasie en die oprigting van die nuwe 2 x 20 MVA Marallaneng 88/11 kV Substasie en verwante infrastruktuur in die omgewing van Ficksburg, in die Setsoto Plaaslike Munisipaliteit, Vrystaat.

Eskom se voorgestelde ontwikkeling, soos uitgestippel in die projekbeskrywing hieronder, sal aanleiding gee tot aktiwiteite soos gelys in terme van Noteringskennisgewings 1 en 3 van die huidige OIS Regulasies (GNR 983 en 985 van 2014) (soos gewysig), en vereis dus omgewingsmagtiging ná die onderneming van 'n Basiese Assesering (BA) en die verwante Openbare Deelnameproses.

Figuur 1 Kaart van die omgewing van Eskom se bestaande (rooi) en gemagtigde (blou) 88 kV kraglyne en die voorgestelde Marallaneng Substasie

2. AGTERGROND TOT DIE PROJEK

2.1 Ontmanteling van die bestaande 88 kV kraglyn

Eskom se voorstel is die volkome verwydering van die bestaande 88 kV kraglyn, wat tans loop vanaf die Clocolan Substasie tot by die Ficksburg Munisipale Substasie, en die verskuiwing daarvan na die dubbel stroombaan (*double circuit*) strukture van die voorheen gemagtigde nuwe 88 kV kraglyn (Figuur 1). Die behoefte om die bestaande kraglyn te verwyder het na vore getree tydens Eskom se servituut-onderhandelinge met geaffekteerde belanghebbers en grondeienaars, en sal dien om die visuele impakte en fisiese voetspoor op beide natuurlike en landbougrond wat sou voortspruit uit die bestaan van twee hoëspanning kraglyne wat naby mekaar vanaf en na dieselfde bestemming loop, te verminder.

2.2 Oprigting van die nuwe Marallaneng Substasie

Die nuwe 2 x 20 MVA Marallaneng 88/11 kV Substasie is voorgestel vir die Ficksburg kant van die gemagtigde 88 kV kraglyn om die vraag na elektrisiteit in die townships naby Ficksburg aan te spreek (Figuur 2). Die Setsoto Plaaslike Munisipaliteit het formeel gevra vir 'n nuwe substasie om voldoende kapasiteit te verskaf om die munisipaliteit toe te laat om nuwe infrastruktuurontwikkelings te implementeer en om krag te verskaf aan reeds voltooide projekte en HOP-huise.

Figuur 2 Voorgestelde Marallaneng Substasie en verwante infrastruktuur

3. HUIDIGE OMGEWINGSWETGEWING

Die huidige Omgewingsimpakstudie (OIS) Regulasies, 2014, gepubliseer in Regeringskennisgewings R 982, 983, 984 en 985 van 4 Desember 2014 (soos gewysig), sal van toepassing wees op hierdie projek. Eskom se voorgestelde ontwikkeling sal aanleiding gee tot die volgende aktiwiteite in terme van Noteringskennisgewings 1 en 3 (GNR 983 en 985) van die huidige OIS Regulasies:

Tabel 1 Genoteerde aktiwiteite waarvoor omgewingsmagtiging vereis word.

Regerings-kennisgewing en Aktiwiteit	Beskrywing van Aktiwiteit	Redes vir veroorsaking
GNR 983 - Aktiwiteit 11	Die ontwikkeling van fasiliteite of infrastruktuur vir die leiding en verspreiding van elektrisiteit: (i) buite stedelike gebiede of industriële komplekse met 'n kapasiteit van meer as 33 maar minder as 275 kilovolts...	Die voorgestelde Marallaneng Substasie val buite die buitewyke van Ficksburg en sal 'n kapasiteit hê van meer as 33 kV maar minder as 275 kV.
GNR 983 - Aktiwiteit 12	Die ontwikkeling van: (ii) infrastruktuur of strukture met 'n fisiese voetspoor van 100 m ² of meer; waar sulke ontwikkeling plaasvind: (a) binne 'n waterloop. (c) indien daar geen ontwikkelingsterugslae is nie, binne 32 m van 'n waterloop, gemeet vanaf die rand van 'n waterloop...	Sekere infrastruktuur wat verband hou met die reeds gemagtigde 88 kV kraglyn, insluitend die <i>loop in/out</i> lyne en medium spanning (MS) lyne vanuit die Marallaneng Substasie, sal nie volkome die geïdentifiseerde vleilande en waterlope omliggend aan die Substasie kan vermy nie, en sal dus kumulatief lei tot 'n voetspoor van meer as 100 m ² .
GNR 983 - Aktiwiteit 19	Die vulling met of neerlegging van enige materiaal van meer as 10 m ³ , of die baggerwerk, uitgraving, verwydering of verskuiwing van grond, sand, skulpe, skulpgruis, spoelklippe of rots van meer as 10 m ³ vanuit 'n waterloop.	Sekere infrastruktuur wat verband hou met die reeds gemagtigde 88 kV kraglyne, insluitend die <i>loop in/out</i> lyne en medium spanning (MS) lyne vanuit die Marallaneng Substasie, sal nie volkome die geïdentifiseerde vleilande omliggend aan die Substasie kan vermy nie.
GNR 983 - Aktiwiteit 31	Die ontmanteling van bestaande fasiliteite, strukture of infrastruktuur vir: (i) enige ontwikkeling en verwante operasionele aktiwiteit of aktiwiteite gelys in hierdie Kennisgewing, Noteringskennisgewing 2 van 2014 of Noteringskennisgewing 3 van 2014...	Die ontwikkeling van die bestaande 88 kV kraglyn sal aanleiding gee tot aktiwiteite wat gelys is onder Noteringskennisgewings 1 en 3 en dus sal die ontmanteling van sulke infrastruktuur aanleiding gee tot aktiwiteit 31 van Noteringskennisgewing 1.
GNR 985 - Aktiwiteit 12	Die opruiming van 'n gebied van 300 m ² of meer van inheemse plantegroei: (v) in gebiede binne 'n waterloop of vleiland; of binne 100 m vanaf die rand van 'n waterloop of vleiland.	Die kumulatiewe opruiming van inheemse plantegroei binne en binne 100 m van die rand van waterlope of vleilande wat vir die oprigting van die substasie en verwante infrastruktuur nodig word, kan 300 m ² oorskry.

Op grond van die aktiwiteite waartoe aanleiding gegee sal word, sal ACER dus namens Eskom 'n Basiese Assesseringsproses (BA) onderneem wat aan die Departement van Omgewingsake (DOS) voorgelê sal word vir oorweging en besluitneming.

Die voorgestelde ontwikkeling sal ook bemagtiging van die Departement Water en Sanitasie (DWS) vereis vir watergebruik in terme van Artikel 21 (c) en (i) van die Nasionale Waterwet, 1998 (Wet Nr. 36 van 1998) (NWW). Die relevante watergebruiksregistrasie of -aansoekproses sal in konsultasie met die DWS en in terme van die NWW onderneem word.

Die doel met hierdie brief is om u as 'n potensiële Belangstellende en Geaffekteerde Party (B&GP) te nooi om deel te neem aan die omgewingsmagtigingsproses. Indien u as 'n B&GP wil registreer, voltooi die aangehegde Kommentaarblad en stuur dit terug aan die ACER Openbare Deelname Kantoor vóór 10 November 2017.

Kontak asseblief die ACER Openbare Deelname Kantoor om verdere inligting te bekom.

ACER (Africa) Environmental Consultants

Mareike Straeuli of Keagan Kruger

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Tel: 035 340 2715 Faks: 035 340 2232

Epos: marallaneng.substation@acerafrica.co.za

Vriendelike groete,

Mnr Keagan Kruger

ACER (Africa) Environmental Consultants
Omgewingsassesseringspraktisyn

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