



# forestry, fisheries & the environment

Department:  
Forestry, Fisheries and the Environment  
REPUBLIC OF SOUTH AFRICA

Private Bag X 447· PRETORIA ·0001· Environment House ·473 Steve Biko Road, Arcadia· PRETORIA

DFFE Reference: 14/12/16/3/3/1/2268

Enquiries: Mr Lunga Dlova

Telephone: (012) 399 8524 E-mail: [LDlova@environment.gov.za](mailto:LDlova@environment.gov.za)

Palesa Kuaho  
Eskom Holdings SOC Limited  
Cnr Jelicoe and Watermeyer  
Eskom Park  
**EMALAHLENI**  
1035

Telephone Number: 013 693 3146  
Email Address: [Kuahop@eskom.co.za](mailto:Kuahop@eskom.co.za)

## PER EMAIL / MAIL

Dear Sir/Madam

### **APPLICATION FOR ENVIRONMENTAL AUTHORISATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, ACT NO. 107 OF 1998, AS AMENDED: FOR THE PROPOSED GEMSBOK-KWAMHLANGA 132kV POWERLINE IN THE THEMBISILE HANI LOCAL MUNICIPALITY WITHIN THE NKANGALA DISTRICT MUNICIPALITY IN MPUMALANGA PROVINCE**

With reference to the above application, please be advised that the Department has decided to grant authorisation. The Environmental Authorisation (EA) and reasons for the decision are attached herewith.

In terms of Regulation 4(2) of the Environmental Impact Assessment Regulations, 2014, as amended (the EIA Regulations), you are instructed to notify all registered interested and affected parties, in writing and within 14 (fourteen) days of the date of the decision as well as the provisions regarding the submission of appeals that are contained in the Regulations.

In terms of the Promotion of Administrative Justice Act, Act No. 3 of 2000, you are entitled to the right to fair, lawful and reasonable administrative action; and to written reasons for administrative action that affects you negatively. Further your attention is drawn to the provisions of the Protection of Personal Information Act, Act No. 4 of 2013 which stipulate that the Department should conduct itself in a responsible manner when collecting, processing, storing and sharing an individual or another entity's personal information by holding the Department accountable should the Department abuse or compromise your personal information in any way.

Your attention is drawn to Chapter 2 of National Environmental Management Act, Act No. 107 of 1998 National Appeal Regulations published under Government Notice R993 in Government Gazette No. 38303 dated 08 December 2014 (National Appeal Regulations, 2014), which prescribes the appeal procedure to be followed. Kindly include a copy of this document (National Appeal Regulations, 2014) with the letter of notification to interested and affected parties in this matter.

Should any person wish to lodge an appeal against this decision, he/she must submit the appeal to the appeal administrator, and a copy of the appeal to the applicant, any registered interested and affected party, and any organ of state with interest in the matter within 20 days from the date that the notification of the decision was

sent to the registered interested and affected parties by the applicant; or the date that the notification of the decision was sent to the applicant by the Department, whichever is applicable.

**Appeals must be submitted in writing in the prescribed form to:**

The Director: Appeals and Legal Review of this Department at the below mentioned addresses.

By email: [appeals@environment.gov.za](mailto:appeals@environment.gov.za)

By hand: Environment House  
473 Steve Biko  
Arcadia  
Pretoria  
0083; or

By post: Private Bag X447  
Pretoria  
0001

Please note that in terms of Section 43(7) of the National Environmental Management Act, Act No. 107 of 1998, as amended, the lodging of an appeal will suspend the environmental authorisation or any provision or condition attached thereto. In the instance where an appeal is lodged, you may not commence with the activity until such time that the appeal is finalised.

To obtain the prescribed appeal form and for guidance on the submission of appeals, please visit the Department's website at [https://www.environment.gov.za/documents/forms#legal\\_authorisations](https://www.environment.gov.za/documents/forms#legal_authorisations) or request a copy of the documents at [appeals@environment.gov.za](mailto:appeals@environment.gov.za).

Yours faithfully



**Mr Sabelo Malaza**  
**Chief Director: Integrated Environmental Authorisations**  
**Department of Forestry, Fisheries and the Environment**

Date: 01/06/2021

cc:	Rhia Baloyi	Department of Rural Development and Land Reform	Email: <a href="mailto:rhia.baloyi@drdlr.gov.za">rhia.baloyi@drdlr.gov.za</a>
	Dineo Tswai	Mpumalanga Department of Agriculture, Rural Development, Land and Environmental Affairs (MDARDLEA)	Email: <a href="mailto:dtswai@mpg.gov.za">dtswai@mpg.gov.za</a>
	Councillor P Msiza	Thembeisile Hani Local Municipality	Email: <a href="mailto:msizap@thembeisilehanilm.gov.za">msizap@thembeisilehanilm.gov.za</a>
	Tutayi Chifadza	WSP Environmental (Pty) Ltd	Email: <a href="mailto:Tutayi.Chifadza@wsp.com">Tutayi.Chifadza@wsp.com</a>



## forestry, fisheries & the environment

Department:  
Forestry, Fisheries and the Environment  
REPUBLIC OF SOUTH AFRICA

# Environmental Authorisation

In terms of Regulation 25 of the Environmental Impact Assessment Regulations, 2014, as amended

The Gemsbok-KwaMhlanga 132kV powerline in the Thembisile Hani Local Municipality in Mpumalanga Province

Nkangala District Municipality,

<b>Authorisation register number:</b>	14/12/16/3/3/1/2268
<b>Last amended:</b>	First issue
<b>Holder of authorisation:</b>	Eskom Holdings SOC Limited
<b>Location of activity:</b>	Portion 25 of Gemsbokfontein, 231/JR; Enkeldoring 651/JR; Lanseria 233/JR; Portion 2 of Leeuwfontein, 248/JR; Portion 1 of Leeuwfontein, 248/JR; Portion 6 of Leeuwfontein, 248/JR (Option 1); Portion 5 of Zustershoek, 246/JR; Portion 6 of Zustershoek, 246/JR (Option 1); Zustershoek, 246/JR (Option 1); Portion 3 of Zustershoek, 246/JR (Option 1); Portion 4 of Zustershoek, 246/JR (Option 1); KwaMhlanga, 617/JR; Portion 4 of Enkeldoorn, 217/JR; Portion 3 of Enkeldoorn, 217/JR (Ward 10, 14 and 32) within the Thembisile Hani Local Municipality in Mpumalanga Province.

This authorisation does not negate the holder of the authorisation's responsibility to comply with any other statutory requirements that may be applicable to the undertaking of the activity.

M/S

## Decision

The Department is satisfied, on the basis of information available to it and subject to compliance with the conditions of this Environmental Authorisation, that the applicant should be authorised to undertake the activities specified below.

Non-compliance with a condition of this Environmental Authorisation may result in criminal prosecution or other actions provided for in the National Environmental Management Act, Act No. 107 of 1998, as amended and the EIA Regulations, 2014, as amended.

Details regarding the basis on which the Department reached this decision are set out in Annexure 1.

## Activities authorised

By virtue of the powers conferred on it by the National Environmental Management Act, Act No. 107 of 1998, as amended and the Environmental Impact Assessment Regulations, 2014, as amended, the Department hereby authorises –

### **ESKOM HOLDINGS SOC LIMITED**

(hereafter referred to as the **holder of the authorisation**)

with the following contact details –

Palesa Kuaho  
Eskom Holdings SOC Limited  
Cnr Jelicoe and Watermeyer  
Eskom Park

### **EMALAHLENI**

1035

Telephone Number: 013 693 3146

Email Address: [Kuahop@eskom.co.za](mailto:Kuahop@eskom.co.za)

to undertake the following activities (hereafter referred to as "the activity") indicated in Listing Notice 1, Listing Notice 2 and Listing Notice 3 of the EIA Regulations, 2014 as amended:

Activity number	Activity description
<p><u>Listing Notice 1, GNR 323 Item 11 (i):</u>  <i>"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</i></p>	<p>The proposed project will involve the construction of a 22km 132kV distribution powerline and associated infrastructure from the existing Gemsbok substation to the location of the proposed new KwaMhlanga substation.</p>
<p><u>Listing Notice 3: GNR 324 Item 12 (ii)</u>  <i>The clearance of an area of 300 square metres or more of indigenous vegetation except where such clearance of indigenous vegetation is required for maintenance purposes undertaken in accordance with a maintenance management plan.</i>  <i>f. Mpumalanga</i>  <i>ii. Within critical biodiversity areas identified in bioregional plans;</i></p>	<p>The proposed powerline is 22km, however, only 2km of this powerline falls within a CBA area, which will have approximately 20 monopoles on this length based on a 100m interval between monopoles. This is equivalent to the clearance of 6.2ha of vegetation within the CBA area, which is more than the 300m<sup>2</sup> threshold. Although this is in a CBA area, the specialist report has indicated that the area has already been degraded due to previous transformations by grazing and agriculture.</p>

as described in the Basic Assessment Report (BAR) dated 15 February 2021 at:

**Ward numbers:** 10, 14 and 32

**Farm name/s and number/s:** Portion 25 of Gemsbokfontein, 231/JR; Enkeldoring 651/JR; Lanseria 233/JR; Portion 2 of Leeuwfontein, 248/JR; Portion 1 of Leeuwfontein, 248/JR; Portion 6 of Leeuwfontein, 248/JR (Option 1); Portion 5 of Zustershoek, 246/JR; Portion 6 of Zustershoek, 246/JR (Option 1); Zustershoek, 246/JR (Option 1); Portion 3 of Zustershoek, 246/JR (Option 1); Portion 4 of Zustershoek, 246/JR (Option 1); KwaMhlanga, 617/JR; Portion 4 of Enkeldoorn, 217/JR; Portion 3 of Enkeldoorn, 217/JR.

**SG 21 Code**

T	0	J	R	0	0	0	0	0	0	0	0	0	2	3	1	0	0	0	2	5
T	0	J	R	0	0	0	0	0	0	0	0	0	6	5	1	0	0	0	0	0
T	0	J	R	0	0	0	0	0	0	0	0	0	2	3	3	0	0	0	0	0
T	0	J	R	0	0	0	0	0	0	0	0	0	2	4	8	0	0	0	0	2
T	0	J	R	0	0	0	0	0	0	0	0	0	2	4	8	0	0	0	0	1
T	0	J	R	0	0	0	0	0	0	0	0	0	2	4	8	0	0	0	2	1
T	0	J	R	0	0	0	0	0	0	0	0	0	2	4	6	0	0	0	0	5
T	0	J	R	0	0	0	0	0	0	0	0	0	2	4	6	0	0	0	0	6
T	0	J	R	0	0	0	0	0	0	0	0	0	2	4	6	0	0	0	0	0
T	0	J	R	0	0	0	0	0	0	0	0	0	2	4	6	0	0	0	0	3
T	0	J	R	0	0	0	0	0	0	0	0	0	2	4	6	0	0	0	0	4
T	0	J	R	0	0	0	0	0	0	0	0	0	2	1	7	0	0	0	0	3

Key Powerline Coordinates	Latitude	Longitude
Starting point	25°25'54.59"S	28°48'44.98"E
Middle point	25°28'19.07"S	28°44'1.47"E
End point	25°25'10.93"S	28°41'30.47"E

- for the Gemsbok-KwaMhlanga 132kV powerline in the Thembisile Hani Local Municipality within the Nkangala District Municipality in Mpumalanga Province, hereafter referred to as "the property".

- A locality plan and coordinates of the powerline at 100 Intervals are attached as Annexure 2 of this Environmental Authorisation.

The facility will comprise the following:

- Construct 22 km single circuit, 132kV, Kingbird line between the two substations;
- Gemsbok spare bay, establish new 132kV feeder bay;
- Plant 7618 – 3 Poles structure in line with the new feeder bay and swing the Kwaggafontein feeder into the new bay;
- Dismantle the Kwaggafontein strain lattice terminal tower to create way/route for the Kwamhlanga closing span;
- Plant new 7808 terminating structure on the Ekangala and dismantle the existing Ekangala strain lattice terminal tower;

- Close Span for KwaMhlanga 132kV line at Gemsbok substation; and
- Impact of a 31 m footprint due to site activities.

## Conditions of this Environmental Authorisation

### Scope of authorisation

1. The powerline route alternative 1 for the Gemsbok-KwaMhlanga 132kV powerline in the Thembisile Hani Local Municipality within the Nkangala District Municipality in Mpumalanga Province is approved as per the geographic coordinates cited in the table above.
2. Authorisation of the activity is subject to the conditions contained in this Environmental Authorisation, which form part of the Environmental Authorisation and are binding on the holder of the authorisation.
3. The holder of the authorisation is responsible for ensuring compliance with the conditions contained in this Environmental Authorisation. This includes any person acting on the holder's behalf, including but not limited to, an agent, servant, contractor, sub-contractor, employee, consultant or person rendering a service to the holder of the authorisation.
4. The activities authorised may only be carried out at the property as described above.
5. Any changes to, or deviations from, the project description set out in this Environmental Authorisation must be approved, in writing, by the Department before such changes or deviations may be effected. In assessing whether to grant such approval or not, the Department may request such information as it deems necessary to evaluate the significance and impacts of such changes or deviations and it may be necessary for the holder of the authorisation to apply for further Environmental Authorisation in terms of the regulations.
6. The holder of an Environmental Authorisation must apply for an amendment of the Environmental Authorisation with the Competent Authority for any alienation, transfer or change of ownership rights in the property on which the activity is to take place.
7. This activity must commence within a period of ten (10) years from the date of issue of this Environmental Authorisation. If commencement of the activity does not occur within that period, the authorisation lapses and a new application for Environmental Authorisation must be made in order for the activity to be undertaken.
8. Construction must be completed within five (05) years of the commencement of the activity on site.

### **Notification of authorisation and right to appeal**

9. The holder of the authorisation must notify every registered interested and affected party, in writing and within 14 (fourteen) calendar days of the date of this Environmental Authorisation, of the decision to authorise the activity.
10. The notification referred to must –
  - 10.1. specify the date on which the authorisation was issued;
  - 10.2. inform the interested and affected party of the appeal procedure provided for in the National Appeal Regulations, 2014;
  - 10.3. advise the interested and affected party that a copy of the authorisation will be furnished on request; and
  - 10.4. give the reasons of the Competent Authority for the decision.

### **Commencement of the activity**

11. The authorised activity shall not commence until the period for the submission of appeals has lapsed as per the National Appeal Regulations, 2014, and no appeal has been lodged against the decision. In terms of Section 43(7), an appeal under Section 43 of the National Environmental Management Act, Act No. 107 of 1998, as amended will suspend the Environmental Authorisation or any provision or condition attached thereto. In the instance where an appeal is lodged you may not commence with the activity until such time that the appeal has been finalised.

### **Management of the activity**

12. The Environmental Management Programme (EMPr) submitted as part of the BAR dated 15 February 2021 is approved and must be implemented and adhered to.
13. The EMPr must be implemented and enforced during all phases of the project. It must be seen as a dynamic document and must be included in all contract documentation for all phases of the development when approved.
14. Changes to the approved EMPr must be submitted in accordance to the EIA Regulations applicable at the time.
15. The Department reserves the right to amend the approved EMPr should any impacts that were not anticipated or covered in the BAR be discovered.



## Frequency and process of updating the EMPr

16. The EMPr must be updated where the findings of the environmental audit reports, contemplated in Condition 27 below, indicate insufficient mitigation of environmental impacts associated with the undertaking of the activity, or insufficient levels of compliance with the environmental authorisation or EMPr.
17. The updated EMPr must contain recommendations to rectify the shortcomings identified in the environmental audit report.
18. The updated EMPr must be submitted to the Department for approval together with the environmental audit report, as per Regulation 34 of the EIA Regulations, 2014 as amended. The updated EMPr must have been subjected to a public participation process, which process has been agreed to by the Department, prior to submission of the updated EMPr to the Department for approval.
19. In assessing whether to grant approval of an EMPr which has been updated as a result of an audit, the Department will consider the processes prescribed in Regulation 35 of the EIA Regulations, 2014 as amended. Prior to approving an amended EMPr, the Department may request such amendments to the EMPr as it deems appropriate to ensure that the EMPr sufficiently provides for avoidance, management and mitigation of environmental impacts associated with the undertaking of the activity.
20. The holder of the authorisation must apply for an amendment of an EMPr, if such amendment is required before an audit is required. The amendment process is prescribed in Regulation 37 of the EIA Regulations, 2014, as amended. The holder of the authorisation must request comments on the proposed amendments to the impact management outcomes of the EMPr or amendments to the closure objectives of the closure plan from potentially interested and affected parties, including the competent authority, by using any of the methods provided for in the Act for a period of at least 30 days.

## Monitoring

21. The holder of the authorisation must appoint an experienced Environmental Control Officer (ECO) for the construction phase of the development that will have the responsibility to ensure that the mitigation/rehabilitation measures and recommendations referred to in this environmental authorisation are implemented and to ensure compliance with the provisions of the approved EMPr.
  - 21.1. The ECO must be appointed before commencement of any authorised activities.
  - 21.2. Once appointed, the name and contact details of the ECO must be submitted to the *Director: Compliance Monitoring* of the Department.

21.3. The ECO must keep record of all activities on site, problems identified, transgressions noted and a task schedule of tasks undertaken by the ECO.

21.4. The ECO must remain employed until all rehabilitation measures, as required for implementation due to construction damage, are completed and the site is ready for operation.

### **Recording and reporting to the Department**

22. All documentation e.g. audit/monitoring/compliance reports and notifications, required to be submitted to the Department in terms of this environmental authorisation, must be submitted to the *Director: Compliance Monitoring* of the Department.
23. The holder of the environmental authorisation must, for the period during which the environmental authorisation and EMPr remain valid, ensure that project compliance with the conditions of the environmental authorisation and the EMPr are audited, and that the audit reports are submitted to the *Director: Compliance Monitoring* of the Department.
24. The frequency of auditing and of submission of the environmental audit reports must be as per the frequency indicated in the EMPr, taking into account the processes for such auditing as prescribed in Regulation 34 of the EIA Regulations, 2014 as amended.
25. The holder of the authorisation must, in addition, submit environmental audit reports to the Department within 30 days of completion of the construction phase (i.e. within 30 days of site handover) and a final environmental audit report within 30 days of completion of rehabilitation activities.
26. The environmental audit reports must be compiled in accordance with Appendix 7 of the EIA Regulations, 2014 as amended and must indicate the date of the audit, the name of the auditor and the outcome of the audit in terms of compliance with the environmental authorisation conditions as well as the requirements of the approved EMPr.
27. Records relating to monitoring and auditing must be kept on site and made available for inspection to any relevant and competent authority in respect of this development.

### **Notification to authorities**

28. A written notification of commencement must be given to the Department no later than fourteen (14) days prior to the commencement of the activity. The notice must include a date on which it is anticipated that the activity will commence, as well as a reference number.

### **Operation of the activity**

29. A written notification of operation must be given to the Department no later than fourteen (14) days prior to the commencement of the activity operational phase.

### **Site closure and decommissioning**

30. Should the activity ever cease or become redundant, the holder of the authorisation must undertake the required actions as prescribed by legislation at the time and comply with all relevant legal requirements administered by any relevant and Competent Authority at that time.

### **Specific conditions**

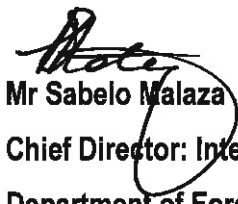
31. No activities will be allowed to encroach into a water resource without a water use authorisation being in place from the Department of Water and Sanitation.
32. An ecological specialist must undertake a final walk through to fine tune the final positioning of the towers in order to avoid impacting on Species of Conservation Concern.
33. Anti-collision devices such as bird flappers must be installed on all high risk sections of the power line to forewarn birds of the risk.
34. Vegetation clearing prior and during construction must be limited to the footprint of the proposed development.
35. Permit from relevant authorities must be obtained prior commencement of any construction activities for the disturbance or removal of any provincially protected species.
36. All disturbed and cleared areas must be re-vegetated with indigenous perennial shrubs and grasses from the local area; and
37. Concurrent rehabilitation is to take place as far as possible and alien vegetation control program within all sensitive areas must be implemented.
38. Any new heritages resources discovered during construction and operation phases of the proposed development, a professional archaeologist or palaeontologist, depending on the nature of the finds, must be contracted as soon as possible to inspect the findings at the expense of the developer.
39. An integrated waste management approach must be implemented that is based on waste minimisation and must incorporate reduction, recycling, re-use and disposal where appropriate. Any solid waste must

be disposed of at a landfill licensed in terms of Section 20 (b) of the National Environment Management Waste Act, 2008 (Act No.59 of 2008).

### General

40. A copy of this Environmental Authorisation, the audit and compliance monitoring reports, and the approved EMPr, must be made available for inspection and copying-
- 40.1. at the site of the authorised activity;
  - 40.2. to anyone on request; and
  - 40.3. where the holder of the Environmental Authorisation has a website, on such publicly accessible website.
41. National government, provincial government, local authorities or committees appointed in terms of the conditions of this authorisation or any other public authority shall not be held responsible for any damages or losses suffered by the holder of the authorisation or his/her successor in title in any instance where construction or operation subsequent to construction be temporarily or permanently stopped for reasons of non-compliance by the holder of the authorisation with the conditions of authorisation as set out in this document or any other subsequent document emanating from these conditions of authorisation.

Date of Environmental Authorisation: 01/06/2021



Mr Sabelo Malaza

Chief Director: Integrated Environmental Authorisations  
Department of Forestry, Fisheries and the Environment

## Annexure 1: Reasons for Decision

### 1. Information considered in making the decision

In reaching its decision, the Department took, *inter alia*, the following into consideration -

- a) The listed activities as applied for in the application form received on 20 November 2020.
- b) The information contained in the BAR dated 15 February 2021.
- c) The comments received from South African Heritage Resource Agency, Department of Water and Sanitation, Department of Forestry, Fisheries and Environment: Biodiversity Conservation Unit, Mpumalanga Tourism and Parks Agency and interested and affected parties as included in the BAR dated 15 February 2021.
- d) Mitigation measures as proposed in the BAR and the EMPr.
- e) The information contained in the specialist studies contained within the appendices of the BAR dated 15 February 2021 and as appears below:

Title	Prepared by	Date
Biodiversity and Avifauna Impact Assessment	The Biodiversity Company	September 2020
Archaeological Impact Assessment	Prof. A.C. van Vollenhoven, Johan Smit & Daniël Viljoen,	28 September 2020
Floodline and Hydrology Assessment	The Biodiversity Company	October 2020
EMPr	WSP Environmental Proprietary Limited (WSP)	15 February 2020

### 2. Key factors considered in making the decision

All information presented to the Department was taken into account in the Department's consideration of the application. A summary of the issues which, in the Department's view, were of the most significance is set out below.

- a) The findings of all the specialist studies conducted and their recommended mitigation measures.
- b) The need for the proposed project stems from the provision of electricity to the national grid.

- c) The BAR dated 15 February 2021 identified all legislation and guidelines that have been considered in the preparation of the BAR.
- d) The methodology used in assessing the potential impacts identified in the BAR dated 15 February 2021 and the specialist studies have been adequately indicated.
- e) A sufficient public participation process was undertaken and the applicant has satisfied the minimum requirements as prescribed in the EIA Regulations, 2014 as amended for public involvement.

### 3. Findings

After consideration of the information and factors listed above, the Department made the following findings -

- a) The identification and assessment of impacts are detailed in the BAR dated 15 February 2021 and sufficient assessment of the key identified issues and impacts have been completed.
- b) The procedure followed for impact assessment is adequate for the decision-making process.
- c) The information contained in the BAR dated 15 February 2021 is deemed to be accurate and credible.
- d) The proposed mitigation of impacts identified and assessed adequately curtails the identified impacts.
- e) EMPr measures for the pre-construction, construction and rehabilitation phases of the development were proposed and included in the BAR and will be implemented to manage the identified environmental impacts during the construction phase.

In view of the above, the Department is satisfied that, subject to compliance with the conditions contained in the environmental authorisation, the authorised activities will not conflict with the general objectives of integrated environmental management laid down in Chapter 5 of the National Environmental Management Act, 1998 and that any potentially detrimental environmental impacts resulting from the authorised activities can be mitigated to acceptable levels. The environmental authorisation is accordingly granted.

## Annexure 2: Locality Plan



Coordinates of the Powerline at 100 Intervals

POINTS	LATITUDE	LONGITUDE	POINTS	LATITUDE	LONGITUDE
A1	25°25'54.59"S	28°48'44.98"E	A95	25°28'18.56"S	28°43'57.91"E
A2	25°25'55.06"S	28°48'43.93"E	A96	25°28'15.31"S	28°43'38.88"E
A3	25°25'57.59"S	28°48'42.10"E	A97	25°28'13.63"S	28°43'27.36"E
A4	25°26'0.23"S	28°48'40.18"E	A98	25°28'13.24"S	28°43'23.80"E
A5	25°26'2.95"S	28°48'38.22"E	A99	25°28'12.85"S	28°43'20.32"E
A6	25°26'5.70"S	28°48'36.24"E	A100	25°28'12.50"S	28°43'16.79"E
A7	25°26'8.42"S	28°48'34.26"E	A101	25°28'12.08"S	28°43'13.25"E
A8	25°26'11.07"S	28°48'32.34"E	A102	25°28'11.67"S	28°43'9.76"E
A9	25°26'13.88"S	28°48'30.31"E	A103	25°28'11.24"S	28°43'6.19"E
A10	25°26'16.73"S	28°48'28.25"E	A104	25°28'10.88"S	28°43'2.60"E
A11	25°26'19.49"S	28°48'26.26"E	A105	25°28'10.57"S	28°43'0.71"E
A12	25°26'22.28"S	28°48'24.23"E	A106	25°28'7.33"S	28°43'0.96"E
A13	25°26'25.13"S	28°48'22.16"E	A107	25°28'4.06"S	28°43'1.22"E

M.S

Department of Forestry, Fisheries and the Environment  
 Environmental Authorisation Reg. No. 14/12/16/3/3/1/2268

A14	25°26'27.84"S	28°48'20.20"E	A108	25°28'0.79"S	28°43'1.47"E
A15	25°26'30.60"S	28°48'18.21"E	A109	25°27'57.50"S	28°43'1.59"E
A16	25°26'33.28"S	28°48'16.26"E	A110	25°27'54.28"S	28°43'1.86"E
A17	25°26'35.97"S	28°48'14.30"E	A111	25°27'51.01"S	28°43'2.14"E
A18	25°26'38.71"S	28°48'12.31"E	A112	25°27'47.78"S	28°43'2.41"E
A19	25°26'41.50"S	28°48'10.32"E	A113	25°27'44.54"S	28°43'2.68"E
A20	25°26'44.23"S	28°48'8.35"E	A114	25°27'41.30"S	28°43'2.98"E
A21	25°26'46.89"S	28°48'6.42"E	A115	25°27'38.09"S	28°43'3.29"E
A22	25°26'49.59"S	28°48'4.48"E	A116	25°27'34.82"S	28°43'3.59"E
A23	25°26'52.41"S	28°48'2.43"E	A117	25°27'31.61"S	28°43'3.87"E
A24	25°26'55.05"S	28°48'0.54"E	A118	25°27'28.36"S	28°43'4.15"E
A25	25°26'57.89"S	28°47'58.49"E	A119	25°27'25.12"S	28°43'4.41"E
A26	25°27'0.49"S	28°47'56.63"E	A120	25°27'21.88"S	28°43'4.67"E
A27	25°27'3.35"S	28°47'54.58"E	A121	25°27'18.62"S	28°43'4.93"E
A28	25°27'6.13"S	28°47'52.50"E	A122	25°27'15.39"S	28°43'5.18"E
A29	25°27'8.84"S	28°47'50.56"E	A123	25°27'12.15"S	28°43'5.43"E
A30	25°27'11.61"S	28°47'48.58"E	A124	25°27'8.91"S	28°43'5.70"E
A31	25°27'14.42"S	28°47'46.60"E	A125	25°27'5.65"S	28°43'5.95"E
A32	25°27'17.10"S	28°47'44.70"E	A126	25°27'2.41"S	28°43'6.22"E
A33	25°27'19.79"S	28°47'42.72"E	A127	25°26'59.17"S	28°43'6.47"E
A34	25°27'22.54"S	28°47'40.81"E	A128	25°26'55.94"S	28°43'6.74"E
A35	25°27'25.29"S	28°47'38.85"E	A129	25°26'52.73"S	28°43'7.01"E
A36	25°27'27.98"S	28°47'36.92"E	A130	25°26'49.48"S	28°43'7.27"E
A37	25°27'30.68"S	28°47'34.98"E	A131	25°26'46.18"S	28°43'7.54"E
A38	25°27'33.37"S	28°47'33.02"E	A132	25°26'45.30"S	28°43'4.06"E
A39	25°27'36.07"S	28°47'31.05"E	A133	25°26'44.53"S	28°43'0.58"E
A40	25°27'38.87"S	28°47'28.99"E	A134	25°26'43.79"S	28°42'57.10"E
A41	25°27'41.50"S	28°47'27.05"E	A135	25°26'43.08"S	28°42'53.62"E
A42	25°27'44.32"S	28°47'24.97"E	A136	25°26'42.39"S	28°42'50.17"E
A43	25°27'46.96"S	28°47'23.02"E	A137	25°26'41.85"S	28°42'46.65"E
A44	25°27'49.63"S	28°47'21.06"E	A138	25°26'41.08"S	28°42'43.22"E
A45	25°27'52.40"S	28°47'18.99"E	A139	25°26'40.24"S	28°42'39.81"E
A46	25°27'55.04"S	28°47'17.05"E	A140	25°26'39.36"S	28°42'36.36"E
A47	25°27'57.96"S	28°47'14.97"E	A141	25°26'38.51"S	28°42'32.88"E

*MS*



Department of Forestry, Fisheries and the Environment  
Environmental Authorisation Reg. No. 14/12/16/3/3/1/2268

A48	25°28'0.64"S	28°47'13.04"E	A142	25°26'37.63"S	28°42'29.47"E
A49	25°28'3.38"S	28°47'11.07"E	A143	25°26'36.73"S	28°42'25.99"E
A50	25°28'6.05"S	28°47'9.16"E	A144	25°26'35.95"S	28°42'22.55"E
A51	25°28'8.85"S	28°47'7.14"	A145	25°26'35.08"S	28°42'19.07"E
A52	25°28'11.56"S	28°47'5.18"E	A146	25°26'34.17"S	28°42'15.61"E
A53	25°28'14.40"S	28°47'3.10"E	A147	25°26'33.10"S	28°42'12.20"E
A54	25°28'17.02"S	28°47'1.18"E	A148	25°26'32.11"S	28°42'8.80"E
A55	25°28'19.83"S	28°46'59.11"E	A149	25°26'30.90"S	28°42'5.44"E
A56	25°28'22.48"S	28°46'57.16"E	A150	25°26'29.09"S	28°41'59.00"E
A57	25°28'25.25"S	28°46'55.13"E	A151	25°26'28.17"S	28°41'55.54"E
A58	25°28'28.03"S	28°46'53.13"E	A152	25°26'27.29"S	28°41'52.11"E
A59	25°28'30.85"S	28°46'51.07"E	A153	25°26'26.42"S	28°41'48.65"E
A60	25°28'33.58"S	28°46'49.13"E	A154	25°26'25.57"S	28°41'45.20"E
A61	25°28'36.24"S	28°46'47.24"E	A155	25°26'24.70"S	28°41'41.75"E
A62	25°28'38.89"S	28°46'45.35"E	A156	25°26'23.77"S	28°41'38.35"E
A63	25°28'41.03"S	28°46'43.80"E	A157	25°26'22.92"S	28°41'34.89"E
A64	25°28'40.59"S	28°46'40.27"E	A158	25°26'21.97"S	28°41'31.50"E
A65	25°28'40.09"S	28°46'36.69"E	A159	25°26'21.05"S	28°41'28.08"E
A66	25°28'39.69"S	28°46'33.15"E	A160	25°26'20.18"S	28°41'24.69"E
A67	25°28'39.27"S	28°46'29.58"E	A161	25°26'19.28"S	28°41'21.30"E
A68	25°28'33.63"S	28°45'48.52"E	A162	25°26'18.45"S	28°41'17.84"E
A69	25°28'33.17"S	28°45'44.96"E	A163	25°26'17.55"S	28°41'14.40"E
A70	25°28'32.71"S	28°45'41.41"E	A164	25°26'16.60"S	28°41'11.01"E
A71	25°28'32.15"S	28°45'37.87"E	A165	25°26'15.76"S	28°41'7.83"E
A72	25°28'31.56"S	28°45'34.36"E	A166	25°26'13.62"S	28°41'5.14"E
A73	25°28'30.68"S	28°45'26.24"E	A167	25°26'11.51"S	28°41'2.46"E
A74	25°28'30.26"S	28°45'22.70"E	A168	25°26'9.36"S	28°40'59.76"E
A75	25°28'29.72"S	28°45'19.15"E	A169	25°26'7.22"S	28°40'57.08"E
A76	25°28'29.23"S	28°45'15.62"E	A170	25°26'5.10"S	28°40'54.39"E
A77	25°28'28.78"S	28°45'12.08"E	A171	25°26'2.98"S	28°40'51.68"E
A78	25°28'28.27"S	28°45'8.53"E	A172	25°26'0.86"S	28°40'48.96"E
A79	25°28'26.78"S	28°44'57.92"E	A173	25°25'57.38"S	28°40'44.66"E
A80	25°28'26.38"S	28°44'54.48"E	A174	25°25'54.95"S	28°40'47.02"E
A81	25°28'25.89"S	28°44'50.96"E	A175	25°25'52.53"S	28°40'49.43"E

*M.S*

Department of Forestry, Fisheries and the Environment  
 Environmental Authorisation Reg. No. 14/12/16/3/3/1/2268

<b>A82</b>	25°28'25.40"S	28°44'47.43"E	<b>A176</b>	25°25'50.01"S	28°40'51.78"E
<b>A83</b>	25°28'24.85"S	28°44'43.90"E	<b>A177</b>	25°25'47.58"S	28°40'54.09"E
<b>A84</b>	25°28'24.32"S	28°44'40.39"E	<b>A178</b>	25°25'45.10"S	28°40'56.41"E
<b>A85</b>	25°28'23.77"S	28°44'36.85"E	<b>A179</b>	25°25'42.64"S	28°40'58.71"E
<b>A86</b>	25°28'22.79"S	28°44'29.76"E	<b>A180</b>	25°25'40.10"S	28°41'1.01"E
<b>A87</b>	25°28'22.50"S	28°44'26.20"E	<b>A181</b>	25°25'37.58"S	28°41'3.28"E
<b>A88</b>	25°28'22.15"S	28°44'22.67"E	<b>A182</b>	25°25'35.05"S	28°41'5.54"E
<b>A89</b>	25°28'21.84"S	28°44'19.13"E	<b>A183</b>	25°25'32.55"S	28°41'7.83"E
<b>A90</b>	25°28'21.29"S	28°44'15.57"E	<b>A184</b>	25°25'30.03"S	28°41'10.13"E
<b>A91</b>	25°28'20.75"S	28°44'12.02"E	<b>A185</b>	25°25'28.42"S	28°41'11.57"E
<b>A92</b>	25°28'20.12"S	28°44'8.53"E	<b>A186</b>	25°25'11.84"S	28°41'29.24"E
<b>A93</b>	25°28'19.57"S	28°44'5.01"E	<b>A187</b>	25°25'11.10"S	28°41'30.18"E
<b>A94</b>	25°28'19.07"S	28°44'1.47"E	<b>A188</b>	25°25'10.93"S	28°41'30.47"E