

PROPOSED 60 MW PV PRIESKA POWER RESERVE WONDERPAN SOLAR PLANT
PUBLIC PARTICIPATION REPORT

Site Notice D



PROPOSED 60 MW PV PRIESKA POWER RESERVE WONDERPAN SOLAR PLANT
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Site Notice E



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Site Notice F



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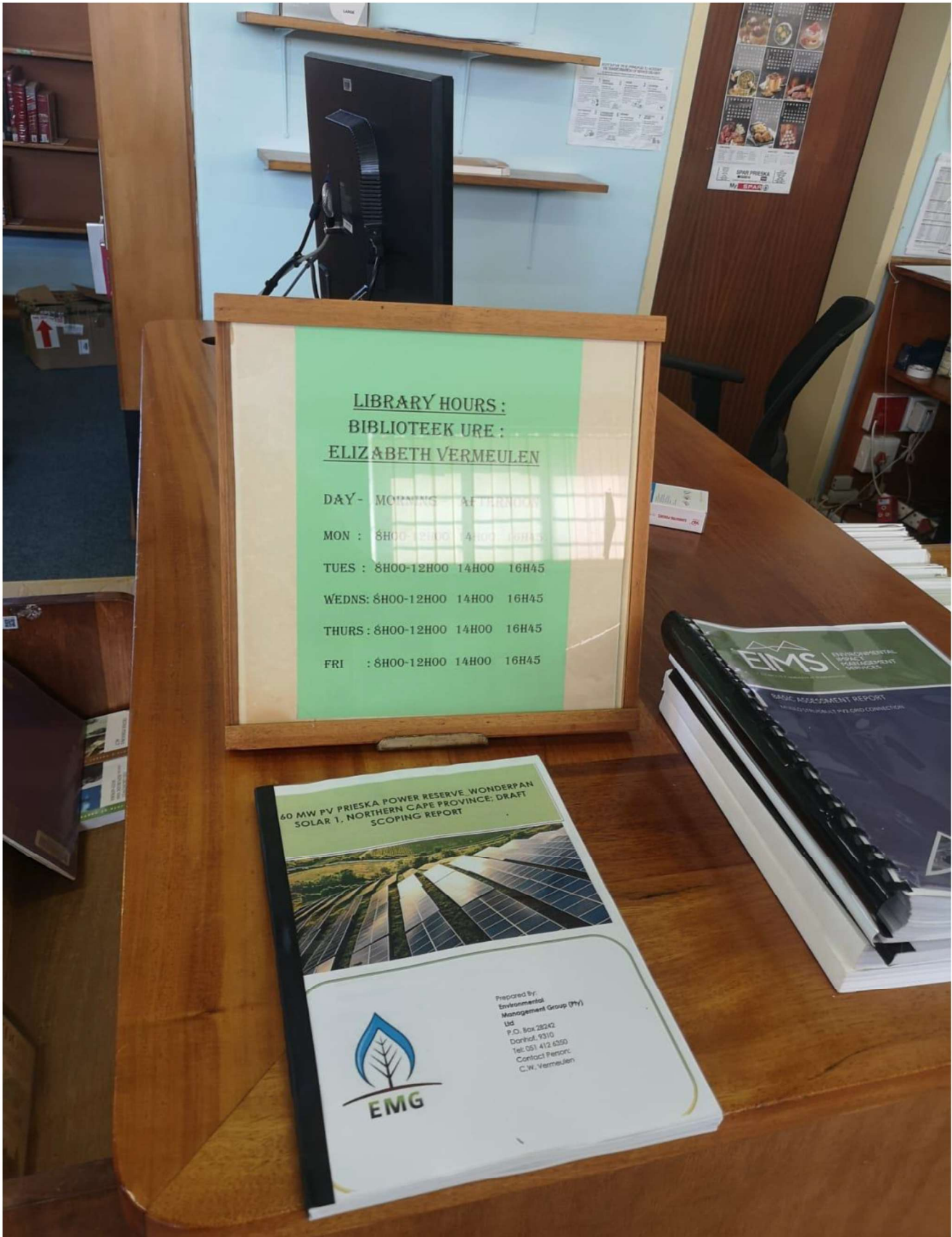
PROPOSED 60 MW PV PRIESKA POWER RESERVE WONDERPAN SOLAR PLANT
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Site notice placement coordinates		
	LAT	LON
SN A	29°48' 20.2"S	22°51' 59.0"E
SN B	29°48' 00.9"S	22°51' 38.5"E
SN C	29°47' 33.6"S	22°51' 09.8"E
SN D	29°41' 34.0"S	22°44' 48.1"E
SN E	29°40' 00.1"S	22°44' 58.9"E
SN F	29°41' 41.2"S	22°50' 52.8"E

Draft Scoping report placed at the Elizabeth Vermeulen Library for viewing purposes



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8. LIST OF I&AP'S

List of Stakeholders and I&AP's						
<u>Department/ Organisation</u>	<u>SG number</u>	<u>Contact Person</u>	<u>E-Mail Address</u>	<u>Address</u>	<u>Contact Nr</u>	
Department Agriculture, Land Reform and Rural Development		Mrs Monnapula Tswaile	mtswaile@ncpg.gov.za	224 Du Toitspan Road, Kimberley, 8300	053 802 5600 / 079 438 9337	
Northern Cape Heritage authority			rtimothy@nbkb.org.za	1 Monridge Office Park, c/o Kekewich Drive & Memorial Road, Kimberley,	0790369695	
Department of Water and Sanitation		Ms Vhonani Ramugondo, Ms Alexia Hlengani, Mr Shaun Cloete	ramugondov@dws.gov.za, HlenganiA@dws.gov.za, CloeteS@dws.gov.za SekwailaK@dws.gov.za	28 Central Road, Beaconsfield, Kimberley	0538367699 0836333642 0543340205 0663010448	
Department of Cooperative Governance, Human Settlements and Traditional Affairs (NC)		Mr Mbuyisilo Madyo	rgladile@ncpg.gov.za		053 830 9513	
Department of Roads and Public Works		Mr K Nogwili (HOD)	drpw-info@ncpg.gov.za, KNogwili@ncpg.gov.za, CRobertson@ncpg.gov.za, BSlingers@ncpg.gov.za		(053)839 2241 (053)839 2291	
Department of Agriculture, Forestry and Fisheries.		Ms Jacoline Mans (Chief Forester: NFA Regulations)	jacolineMa@daff.gov.za / jmans@dffe.gov.za	26 Olien Street, Louisvaleroad, Upington, 8801	Cell 082 808 2737 / 060 973 1660 (w)	

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Pixley ka Seme District Municipality - Municipal Manager	Mr R Pieterse	mm@pksdm.gov.za	Culvert Road, De Aar, 7000	053 631 0891
Siyathemba Local Municipality - Municipal Manager	Mr Jakob Basson	jakobbasson@yahoo.com	Victoria Street, Prieska, 8940	053 492 3410 / 071 574 4146
Siyathemba Local Municipality – Ward Councillor 4	Mrs Shandy Bridget Ivitta	mdale8910@gmail.com	06 Garant Street, Marydale, 8910	078 139 2088
Northern Cape Department of Agriculture, Environmental Affairs, Rural Development and Land Reform	Samantha De la Fontaine (Pr.Sci.Nat.)	sdelafontaine@gmail.com	Evelina de Bruin BuildingC/o Rivier & Nelson Mandela Road Upington 8800	054 338 4800
Dept of mineral resources & energy	Mr Ndlelenhle Zindela, Ms Ntombi Mayekiso	Ndlelenhle.zindela@dmr.gov.za, ntombi.mayekiso@dmr.gov.za	41 Schmidtsdrift street, Telkom Building, KIMBERLEY, 8300	(053) 807 1700
Dept of health	Ms.L Smith	lizelsmith@ncpg.gov.za	James Exum Building, Du Toit Span Road, Kimberley	053 830 2100
Transnet		enquiries@transnet.net	138 Eloff Street Braamfontein JOHANNESBURG 2000	011 308 3000
SANRAL	Ms Nicole Abrams	abrahams@nra.co.za		0219574602
Karabee 50/2	Karabee Trust Egbert van Rensburg	lejanren@gmail.com		0828584454
Karabee 50/3	Estate Jan Abraham Marais / Herman v Staden	vanker@mjvn.co.za		0837919072 (Herman)
Karabee 50/4	Jaco J v Rensburg	javov@cavalier.co.za		0827735877

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	Wonderpan Trust (42/95)				
Karabee 50/5	Petrus Johannes Nel	grashoek.prieska@gmail.com		0833838316	
Karabee 50/8	Jaco J v Rensburg Wonderpan Trust (42/95)	javov@cavalier.co.za		0827735877	
Karabee 50/9	Estate Jan Abraham Marais / Herman v Staden	vankerkmjvn.co.za		0837919072 (Herman)	
Farm 150/RE	Siyathemba Local Municipality Howard H Meiring (Acting MM) Jakob Basson (Technical Manager)	howard@siyathemba.gov.za howardmeiring1@gmail.com		078 801 0567; 053 492 3402; 0715744146	
T Keikams Poort 71/16	Verwagting Boerdery Trust Danie Swart	danie.prieska@gmail.com		0832978356	
T Keikams Poort 71/12	Pienaar Boerderye (Pty) Ltd Charl Pienaar	pienaarcharl@yahoo.com		0832823854	
Aeroplanez SA (Prieska Airfield FAPK)		psk.nuni@prieska.co.za	Email address is undeliverable. No answer on phone number. Sent email to Choppie only person using the airstrip.	054 431 6300	
Airstrip	Choppie	tjopdevries@gmail.com		0829482595	

PROPOSED 60 MW PV PRIESKA POWER RESERVE WONDERPAN SOLAR PLANT
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9. NOTIFICATION TO RELEVANT AUTHORITIES & I&AP'S

9.1 DRAFT SCOPING CIRCULATED TO ALL I&AP'S AND DISTRICT AND LOCAL DEPARTMENTS.

Draft Scoping Report - Message (HTML)

File Message Help

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Draft Scoping Report

Christien Kruger <ckruger@envmgrp.com> Mon 16 May 2022 10:07

To: 'mtswaile@ncpg.gov.za'; 'obstacles@caa.co.za'; 'pretoriusk@caa.co.za'; 'mail@caa.co.za'; 'Andrew Timothy'; 'ramugondov@dws.gov.za'; 'HlenganiA@dws.gov.za'; 'CloeteS@dws.gov.za'; 'rgladile@ncpg.gov.za'; 'runkelc@nra.co.za'; 'dekokcr@nra.co.za'; 'jacolineMa@daff.gov.za'; 'Jacoline Mans'; 'mashudum@daff.gov.za'; +27 others

Dear Interested and/or Affected Parties,

Please refer to the attached link to download the Draft Scoping Report pertaining to the proposed Prieska Solar Facility project.

Environmental Management Group (Pty) Ltd is the appointed Environmental Assessment Practitioner (EAP) to conduct the Environmental Impact Assessment for the proposed Prieska Solar Facility project.


Please note that you have 30 day to submit your comment to the below contact person to ensure that you are registered as an Interested and Affected Party (I&AP).

Should you have any queries, please feel free to contact us.

<https://we.tl/t-erX5isZQ8e>

Kind Regards / Vriendelike Groete

Christien Kruger

 **CHRISTIEN KRUGER**
Water Use License Practitioner

C: +27 83 222 9864
T: +27 51 412 6350
E: ckruger@envmgrp.com W: www.envmgrp.com
Environmental Management Group (PTY) Ltd.
41 Loon Sonder Naam, Groenivlei, Bloemfontein, 9301

9.2 REMINDER SENT TO COMMENT ON DRAFT SCOPING.

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Move Send to OneNote Actions Move

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Draft Scoping Report

Christien Kruger <ckruger@envmgrp.com> Tue 14 Jun 2022 08:44

To: 'mtswaile@ncpg.gov.za'; 'obstacles@caa.co.za'; 'pretoriusk@caa.co.za'; 'mail@caa.co.za'; 'Andrew Timothy'; 'ramugondov@dws.gov.za'; 'HlenganiA@dws.gov.za'; 'CloeteS@dws.gov.za'; 'rgladile@ncpg.gov.za'; 'runkelc@nra.co.za'; 'dekokcr@nra.co.za'; 'jacolineMa@daff.gov.za'; 'Jacoline Mans'; 'mashudum@daff.gov.za'; 'mm@pksdn.gov.za'; 'pixley@telkomsa.net'; 'jakobbasson@yahoo.com'; +24 others

Cc: 'Dashedtha Moodley'; 'CW Vermeulen'

Dear Interested and/or Affected Parties,

This is a friendly reminder that the 30-day public participation ends on the 29th of June 2022 to comment on the Draft Scoping Report pertaining to the proposed Prieska Solar Facility project.


You can view and download the draft Scoping report from our website <http://envmgrp.com/>, go to public participation "CNEC - Wonderpan - Prieska Renewable Energy".

Please submit your comments to the below contact person to ensure that you are registered as an Interested and Affected Party (I&AP).

Should you have any queries, please feel free to contact us.

Kind Regards / Vriendelike Groete

Christien Kruger

 **CHRISTIEN KRUGER**
Water Use License Practitioner

C: +27 83 222 9864
T: +27 51 412 6350
E: ckruger@envmgrp.com W: www.envmgrp.com
Environmental Management Group (PTY) Ltd.
41 Loon Sonder Naam, Groenivlei, Bloemfontein, 9301

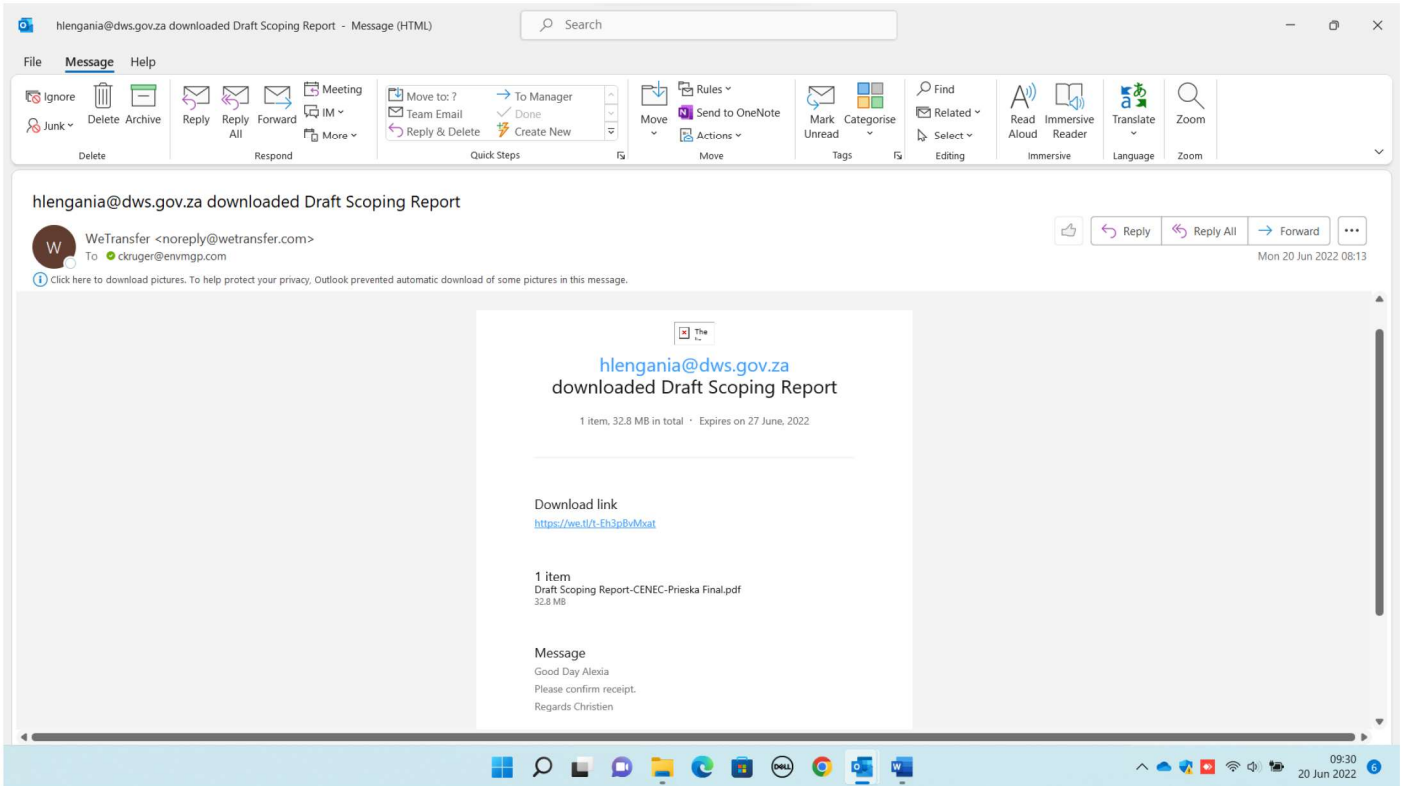
**PROPOSED 60 MW PV PRIESKA POWER RESERVE WONDERPAN SOLAR PLANT
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10. COMMENT AND RESPONSE REGISTER

Person	Comment	Response
<p>Hlengani Alexia HlenganiA@dws.gov.za Wed 15 Jun 2022 <u>Appendices 1 below.</u></p>	<p>Good day</p> <p>Please keep in mind that the internet is down; please send me the documents using We Transfer so that I can download them at from home.</p> <p>Regards Alexia</p>	<p>Good Day Alexia Please confirm receipt. Regards Christien</p> <p><u>Draft Scoping was transferred as requested on the 20th of June and downloaded the same day.</u></p>
<p>Melinda Jansen Louisvale Road Upington 8801 DWS T: 054 338 5800 JansenMe@dwa.gov.za 23 June 2022 Appendices 2 below.</p>	<p>Good day Mr. Cronje</p> <p>Please find attached letter from DWS. The original will be sent via registered mail.</p> <p>With kind regards,</p>	<p>Good Morning</p> <p>Confirmation of comments received, thank you. Will it be possible to include me and CW Vermeulen (ckruger@envmvp.com & cwv@envmvp.com) in all future communication regarding the above project.</p> <p>Kind Regards / Vriendelike Groete</p> <p>Christien Kruger</p>
<p>Aeroplanez SA (Prieska Airfield FAPK) psk.nuni@prieska.co.za 054 431 6300</p>	<p>Email address is undeliverable. No answer on phone number. Contacted guest house will send Tjoppie number who has a airplane.</p>	
<p>Tjoppie tjopdevries@gmail.com 0829482595</p>	<p>Good Day</p> <p>We are applying for Environmental Authorisation for the development of a Solar facility, power and pipeline development near Prieska. The pipeline will start on farm Prieska 1 RE and the solar facility on farm Karabee 40 portion 4. As part of the application, we need to notify all parties which might be affected, we have identified you and would like to give you the opportunity to comment on the development if you have any issues or concerns. Please submit your comments to me and if you do not have any comments, please indicate so via email. I am attaching a map indicating the solar facility the pipe and powerline. If you require any additional information, feel free to contact me. Look forward to hearing from you.</p> <p>Kind Regards / Vriendelike Groete</p> <p>Christien Kruger</p>	

PROPOSED 60 MW PV PRIESKA POWER RESERVE WONDERPAN SOLAR PLANT PUBLIC PARTICIPATION REPORT

Appendices 1



PROPOSED 60 MW PV PRIESKA POWER RESERVE WONDERPAN SOLAR PLANT
PUBLIC PARTICIPATION REPORT

Appendices 2



water & sanitation

Department:
Water and Sanitation
REPUBLIC OF SOUTH AFRICA

Northern Cape Region
Lower Orange Water Management Area
Private Bag X5912, Upington, 8800
Tel: (054) 338-5800, Fax: (054) 334-0205, www.dws.gov.za

F 054 334 0205

E KgabilengN@dws.gov.za

N. Kgabileng

054 338 5800

Prieska Power Reserve (Pty) Ltd
7 Brebner Road
Westdene
9301

By E-mail: piet@cenec.com

Attention: Piet Cronje



RE: 60 MW PV PRIESKA POWER RESERVE WONDERPAN SOLAR 1 SITUATED IN PORTIONS 2, 4 AND 8 OF THE FARM KARABEE 50, N10, PRIESKA, NORTHERN CAPE PROVINCE.

Reference is made to the above-mentioned report with the Scoping Report dated May 2022, submitted to Department of Water and Sanitation.

This Department has no objection to the proposed amendments of the above-mentioned application and wish to comment as follows:

1. The applicant must note that no activities are allowed within 100m of a water resource or within 1:100-year flood line (whichever is the greatest), if the proposed amendments fall within these criteria, the applicant need to apply for water use licence to ensure that the riparian ecological status of the water resource will not be negatively impacted.
2. Please note that any development within 500m from the boundary of any wetland requires a water use licence according to National Water Act (NWA) 1998 (Act No.36 of 1998).
3. Waste needs to be collected and disposed of at a registered municipal site during and after construction, and written agreement should be provided to this department.
4. Storm water must be managed in such a manner as to disperse runoff and to prevent the concentration of storm water flow.



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Our Future - make it work

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5. No surface, ground or storm water may be polluted as a result of any activities on the site
6. Please note that all requirements as stipulated in the national water Act (NWA) 1998 (Act no.36 of 1998) must be adhered to.

Please feel free to contact this department, should there be any enquiries.

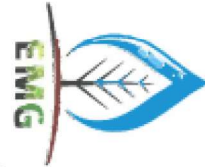
Yours sincerely,



.....
PROVINCIAL HEAD: NORTHERN CAPE OPERATIONS

DATE: 21/06/2022

11. ATTENDANCE REGISTER OF MEETING HELD WITH DEPARTMENT OF WATER AND SANITATION.



ENVIRONMENTAL MANAGEMENT GROUP

Specialists in Environmental Management
Integrating Industry and Infrastructure with the Environment

Attendance Register: Prieska Power Reserve Wonderpan Solar Plant 1, Prieska NC, WULA Meeting

Date: Wednesday 22/06/2022 at 11:00

Tel: +27 51 412 6350
Fax: +27 51 412 6351
Email: ckruger@envmgp.com
Postal Address:
P. O. Box 37473,
Langenhoven Park 9330

Name & Surname	Work number	Cell	E-mail	Company	Signature
CW Vermeulen	051 412 6350	082 824 9308	cwv@envmgp.com	EMG	
C Kruger	051 412 6350	083 222 9864	ckruger@envmgp.com	EMG	
<i>Thabo Sekund</i>	<i>0163014448</i>		<i>Sekund@ekurupon.za</i>	<i>DWS</i>	

12.CONCLUSION

It is concluded that the methods incorporated in the public participation process to inform the surrounding landowners, organs of state and identified government authorities is adequate. All the identified I&APs was given a 30-day opportunity to give input regarding the proposed 60MW photovoltaic solar plant near Prieska. All comments and objections are included and addressed in the comment and response register. Please note NO negative comments were received during public participation process.

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Appendix F
Environmental Impact Assessment Report



Environmental
Management
Group (Pty) Ltd.

**IMPACT ASSESSMENT
FOR:**

PROPOSED 60 MW PV
SOLAR FACILITY FOR
PRIESKA POWER RESERVE,
WONDERPAN SOLAR 1,
NORTHERN CAPE PROVINCE


Prieska Power Reserve (Pty) Ltd. ~
Prieska, Northern Cape Province



Prepared for:

Client:	Prieska Power Reserve (PTY) LTD
Contact Information:	Piet Cronje 078 860 2065
E-mail:	piet@cenec.com
Address:	Bloemfontein 7 Brebner Road Westdene 9301

Prepared by:

Specialist:	Ricus Nel Ecologist and Environmental Specialist Environmental Management Group
E-mail:	rnel@envmgp.com
Postal Address:	P.O Box 37473 Langenhovenpark 9330
Signature	

Reviewed by:

Specialist:	CW Vermeulen Avifaunal specialist and EAP
E-mail:	cwv@envmgp.com
Postal Address:	P.O Box 37473 Langenhovenpark 9330
Signature	

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1. Introduction:

The social and environmental impacts assessment generated by the proposed **Wonderpan Solar Facility** is presented as the risk assessment methodology and associated results. This process aims to identify possible impacts associated with the proposed development and evaluate their significance to ensure appropriate mitigation is applied. The recommendations of suitable mitigation measures that should be implemented to reduce the consequences of likely impacts associated with the project have been formulated by industry best practice principles, professional experience, and relevant legislation.

2. Methodology:

Management and risk assessment plays a key role in the proponent's business. Managing the risks must be integrated into day-to-day business-related processes to ensure that both operational and strategic decisions are risk-based. The risk management system provides a framework to identify both threats and opportunities. The system then compensates and initiates resources that are allocated to treat the risks. It is required to review the risks as an ongoing process and then proceed to review the efficacy of the controls.

The risk assessment comprises quantifying the magnitude of potential impacts and the likelihood of these impacts to occur. The Consequence (**C**) and Likelihood (**L**) matrix combine the qualitative and or semi-quantitative ratings of consequence and the likelihood that a specific consequence will occur to calculate a risk score and risk rating (Equation 1). Essentially, the greater a probability of an adverse impact occurring, the greater the risk level associated with it will be.

C = Overall consequence
L = Likelihood of occurrence

Equation 1: Calculation of environmental significance.

$$\text{Environmental Significance} = C \times L$$

2.1. Determination of consequence:

Consequence analysis is a combination of quantitative and qualitative information, and the outcome can be positive or negative. Several factors can be used to determine consequence. For the purpose of determining the environmental significance in terms of consequence, the following factors were chosen: **Severity/Intensity, Duration** and **Extent/Spatial Scale**. Each factor is assigned a rating between 1 to 5, as described in the tables below.

2.1.1. Determination of intensity:

Intensity relates to the nature of the event, aspect or impact to the environment and describes how intense a given aspect's impact on the biophysical and socio-economic environment will be.

Table 1: Rating criteria describing the intensity of a given aspect.

Type of criteria	Rating				
	1	2	3	4	5
Quantitative	0-20%	21-40%	41-60%	61-80%	81-100%
Qualitative	Insignificant / Non-harmful	Small / Potentially harmful	Significant / Harmful	Great / Very harmful	Disastrous / Extremely harmful
Social/ Community response	Acceptable / I&AP satisfied	Slightly tolerable / Possible objections	Intolerable/ Sporadic complaints	Unacceptable / Widespread complaints	Totally unacceptable / Possible legal action
Irreversibility	Very low cost to mitigate/ High potential to mitigate impacts to level of insignificance / Easily reversible	Low cost to mitigate	Substantial cost to mitigate / Potential to mitigate impacts / Potential to reverse impact	High cost to mitigate	Prohibitive cost to mitigate / Little or no mechanism to mitigate impact / Irreversible
Biophysical (Air quality, water quantity and quality, waste production, fauna and flora)	Insignificant change / deterioration or disturbance	Medium change / deterioration or disturbance	Significant change / deterioration or disturbance	Very significant change / deterioration or disturbance	Disastrous change / deterioration or disturbance

2.1.2. Determination of duration:

Duration refers to the amount of time the receiving environment will be exposed to a given aspect, risk or impact, given the absence of intervention/mitigation.

Table 2: Rating criteria for determination of duration

Rating	Description
1: Low	1 Month
2: Low-Medium	1 – 3 Months
3: Medium	More than 3 Months
4: Medium-High	5 – 10 Years
5: High	More than 10 Years

2.1.3. Determination of extent/spatial scale:

Extent refers to the spatial influence of an impact, be it contained to the immediate surroundings (site), extending to the surrounding area, regional (will have an impact on the region), national (will have an impact on a national scale) or international (impact across international borders).

Table 3: Rating criteria for the determination of extent/spatial scale

Rating	Description
1: Low	Immediate, fully contained area (site)
2: Low-Medium	Surrounding area
3: Medium	Regional
4: Medium-High	National
5: High	International

2.1.4. Determination of overall consequence:

The overall consequence is determined by calculating the sum of all impact factors described above and those summarised below, divided by the total number of impact factors (three) (Equation 2).

I = Intensity

D = Duration

E = Extent

n = number of factors

Equation 2: Calculation of overall consequence.

$$\text{Overall Consequence} = \frac{\sum(I+D+E)}{n}$$

2.1.5. Determination of likelihood:

Likelihood refers to the probability of a given aspect/impact to occur given that no mitigation measures are implemented.

Table 4: Rating Criteria for the determination of likelihood.

Rating	Description
1: Low	< 30% chance of occurrence
2: Low-Medium	30% - 50% chance of occurrence
3: Medium	50% - 70% chance of occurrence
4: Medium-High	70 – 90% chance of occurrence
5: High	>90% of occurrence

2.2. Determination of overall environmental significance:

2.2.1. Quantitative analysis of the overall environmental significance:

The overall environmental significance is determined by multiplying the overall consequence (**C**) by the likelihood of occurrence (**L**) (Equation 1). The rationale of the overall environmental significance relates to identifying and quantifying the sum of environmental impacts arising from the proposed development and the recommendation of appropriate mitigation measures.

Table 5: Environmental significance evaluation score sheet.

Aspect	Specific	Low	Low-Medium	Medium	Medium-High	High
Overall Environmental significance	Consequence x Overall Likelihood (Equation 1)	1-5	6-10	11-15	16-20	21-25

2.2.2. Qualitative description or magnitude of the environmental significance:

The qualitative description of environmental significance attempts to provide an indication of the nature and or magnitude associated with the proposed development. It also guides the prioritisation and decision-making process related to this event, aspect or impact.

Table 6: Rating criteria for impact significance.

Significance	Low	Low-Medium	Medium	Medium-High	High
Impact Magnitude	Impact is of very low order and therefore likely to have very little real effect. Acceptable.	Impact is of low order and therefore likely to have little real effect. Acceptable.	Impact is real, and potentially substantial in relation to other impacts. Can pose a risk to the company	Impact is real and substantial in relation to other impacts. Pose a risk to the company and environment. Unacceptable	Impact is of the highest order possible. Unacceptable. Fatal flaw.
Action Required	Maintain current management measures. Where possible improve.	Maintain current management measures. Implement monitoring and evaluate to determine potential increase in risk. Where possible improve	Implement monitoring. Investigate mitigation measures and improve management measures to reduce risk, where possible.	Improve management measures to reduce risk.	Implement significant mitigation measures or implement alternatives.