



ENVIRONMENTAL
IMPACT
MANAGEMENT
SERVICES

T 011 789 7170 E info@eims.co.za W www.eims.co.za

CIVIL AVIATION COMPLIANCE STATEMENT

GLENCORE LYDENBURG PV PROJECT





DOCUMENT DETAILS

EIMS REFERENCE: 1476

DOCUMENT TITLE: Glencore Lydenburg PV Project: Civil Aviation Compliance Statement

DOCUMENT CONTROL

	NAME	SIGNATURE	DATE
COMPILED:	John von Mayer	<i>Sent Electronically</i>	2024/09/03
CHECKED:	Liam Whitlow	<i>Sent Electronically</i>	2024/09/03
AUTHORIZED:	Liam Whitlow	<i>Sent Electronically</i>	2024/09/03

REVISION AND AMENDMENTS

REVISION DATE:	REV #	DESCRIPTION
2024/09/03	ORIGINAL DOCUMENT	Civil Aviation Compliance Statement

This document contains information proprietary to Environmental Impact Management Services (Pty) Ltd. and as such should be treated as confidential unless specifically identified as a public document by law. The document may not be copied, reproduced, or used for any manner without prior written consent from EIMS. Copyright is specifically reserved.



Table of Contents

1	Introduction	2
2	Project Location	3
3	Recommendations from ATNS.....	5
4	Undertaking Regarding Correctness of Information	6

List of Figures

Figure 1: Map showing the proposed development footprint overlaid on the civil aviation sensitivity map generated by the screening tool and showing location of Mashishing airport.	4
--	---

List of Tables

Table 1: EAP Details.	2
Table 2: Locality details	3

Annexures

Appendix 1: Written Comments from ATNS	
--	--



1 INTRODUCTION

Glencore is responsibly sourcing the commodities that advance everyday life. Glencore's current portfolio of minerals enables the transition to a low-carbon economy, while meeting society's energy needs as it progresses through the transition. The transition away from fossil fuels by the energy-intensive mining sector towards renewable, clean energy sources is at the top of the global Glencore agenda. The focus is not only to reduce the sector's carbon footprint as a whole, but also to ensure energy availability for the growing mining economies.

Although the mining sector contributes to global carbon emissions, it is also leading a just transition to a low carbon economy by deploying new clean energy technology within its operations, as well as by mining critical minerals and metals which a low-carbon economy needs.

As part of this transition, Glencore Lydenburg Smelter, an operation by Glencore South Africa (Pty) Ltd (the applicant) wishes to develop a Solar Photovoltaic (PV) Energy Generation Facility at the Lydenburg Smelter. The facility will have a maximum generation capacity of 300 megawatts (MW). The electricity generated from the facility will be used at the Lydenburg smelter or will be wheeled to other Glencore operations. Other possible infrastructure will include an on-site switching station, access roads covering an area of 0.72ha, energy storage system and an 132kV power lines. The proposed PV facility is located in Thaba Chweu Local Municipality (Ward 12 and 13), Ehlanzeni District Municipality, Mpumalanga Province. It was determined that an Environmental Authorization (EA) is required for the proposed activities at the PV facility. A full Environmental Impact Assessment (EIA) process is being undertaken in support of the application for EA.

The project is location within 8 km of an airfield (Mashishing Airport) therefore having a medium sensitivity as per the DFFE screening tool. A Civil aviation Compliance Statement is therefore required to be completed.

The details of the EIMS EAP and consultant who compiled this compliance statement are as follows:

Table 1: EAP Details.

Name of Practitioner	John von Mayer (Project Manager/EAP)
Tel No:	+27 11 789 7170
Fax No:	+27 86 571 9047
E-mail:	john@eims.co.za
Professional Registrations:	Professional Natural Scientist with the South African Council for Natural Scientific Professions - SACNASP (400336/11). Registered EAP with the Environmental Assessment Practitioners Association of South Africa - EAPASA (2019/1247).

Mr John von Mayer is a senior consultant at EIMS and has been involved in numerous significant projects the past 15 years. He has experience in Project Management, small to large scale Environmental Impact Assessments, Environmental Auditing, Water Use Licensing, and Public Participation. He is a Registered Professional Natural Scientist (400336/11) with the South African Council Natural and Scientific Professions (SACNASP) as well as a registered Environmental Assessment Practitioners Association of South Africa (EAPASA) Environmental Practitioner (2019/1247).



2 PROJECT LOCATION

A description of the application area and location as well as the properties are included in Table 2 below.

Table 2: Locality details

Property	The proposed project is located on: Portion 143 of Farm 30 Potloodspruit; Portion 114 of Farm 31 Townlands of Lydenburg; Portion 457 of Farm 31 Townlands of Lydenburg; Portion 471 of Farm 31 Townlands of Lydenburg; Lydenburg Smelter Portion 1 of Erf 6099; Lydenburg Smelter Erf 2540; and Lydenburg Smelter Erf 2541.
Property ownership	All properties are owned by the applicant (Glencore Pty Ltd)
21-digit Surveyor General Code	TOJT0000000003100099, TOJT0000000003100080, TOJT0000000003100103, TOJT0000000003100114, TOJT0000000003100143, TOJT0000000003100457, and TOJT0000000003100471
Application Area (Ha)	The directly affected properties comprise an area of 3 750 000m ² (375ha) for Site. The exact footprint of the PV facility infrastructure will be confirmed in the EIA phase.
Magisterial District	Thaba Chweu Local Municipality (Ward 12 and 13), Ehlanzeni District Municipality, Mpumalanga Province.
Distance and direction from nearest towns	The site is located approximately 2km north of Lydenburg town central area. The Southern Section Center Point is 25° 4'26.76"S; 30°28'0.83"E and the Northern Section Center Point 25° 3'20.54"S; 30°28'17.19"E..
Surrounding land uses	The proposed development area is separated into portions by the Smelter, namely, the southern section and the northern section with the Smelter in the center. The area surrounding the study area is largely open veld to the east and west, industries and residential areas to the south, homesteads, and small lodging areas to the north.

Refer to Figure 1 below for a map showing the proposed development footprint (including supporting infrastructure) overlaid on the civil aviation sensitivity map generated by the screening tool, including location of Mashishing airport.

The project is located within 8 km of a civil aviation aerodrome (Mashishing Airport), therefore having a medium sensitivity as per the DFFE screening tool.

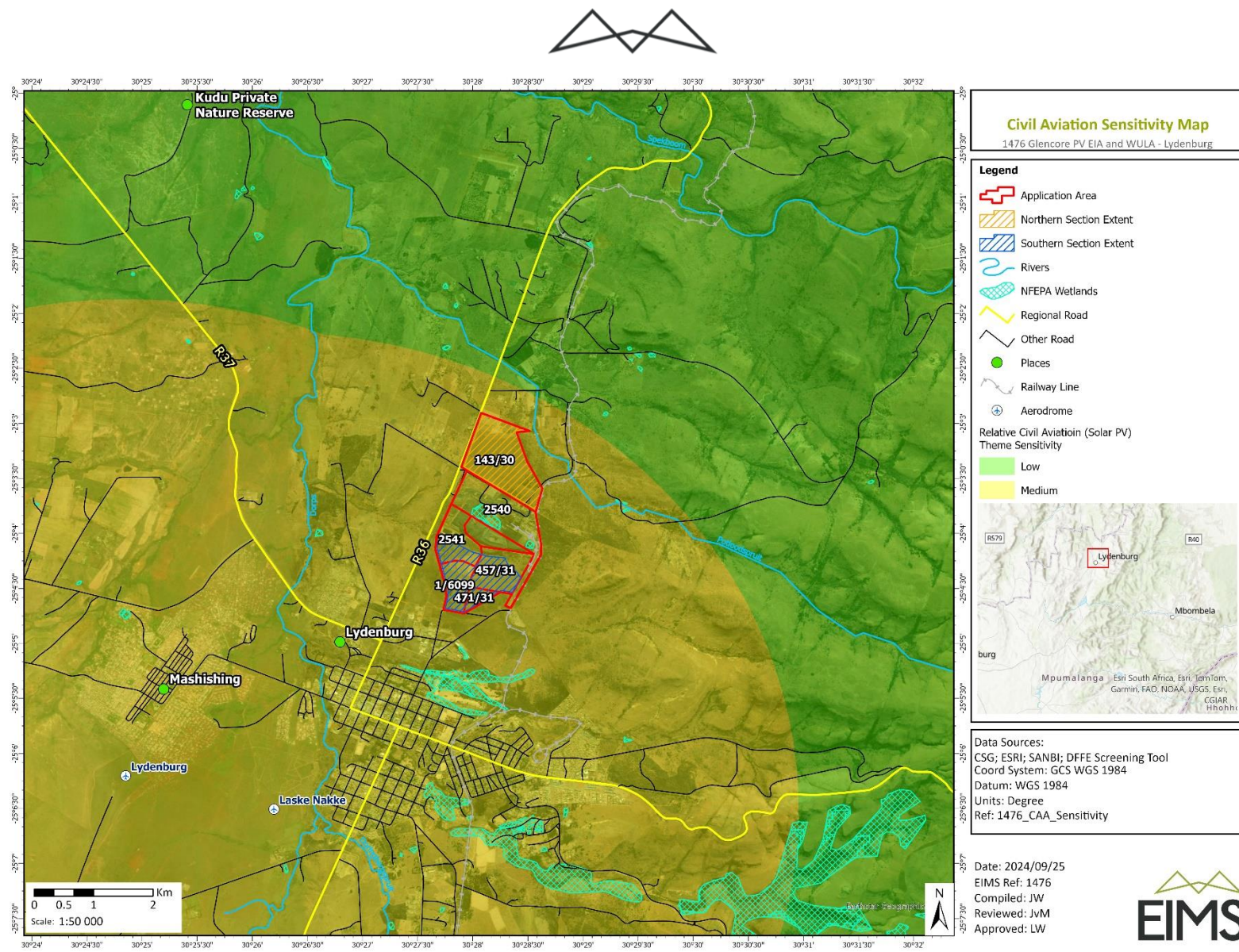


Figure 1: Map showing the proposed development footprint overlaid on the civil aviation sensitivity map generated by the screening tool and showing location of Mashishing airport.



3 RECOMMENDATIONS FROM ATNS

The proposed project is within 8km of Mashishing Airport.

A meeting was held with Winne Lekaba from Air Traffic Navigation Services (ATNS) on 24 June 2024 to discuss the application requirements. The following key aspects were discussed:

- The proposed PV facility is located within 8km of Mashishing Aerodrome.
- The project is already in the advanced stages of the EIA process.
- If an obstacle assessment is required, this would need to be completed prior to construction commencing as the preliminary layout is still subject to slight changes and iterations. If the project is approved the applicant would be required to complete the obstacle assessment once the detailed engineering layout has been finalized.

Subsequently a letter was received on 9 July from ATNS confirming that an obstacle assessment application be conducted through ATNS. As stated in the letter (refer to Annexure 1) ATNS does not oppose the establishment of the proposed project however an obstacle evaluation application for the new PV project must be undertaken prior to construction.

As agreed at the meeting with ATNS on 24 June 2024, this assessment would need to be completed **prior to construction** commencing, once all detailed designs are completed and once it is clear exactly where the infrastructure will be located. Mitigation measures are to be incorporated in the project EMPr in this regard to ensure Glencore complete the relevant obstacle assessment and obtain the relevant approvals from ATNS for the PV project prior to construction commencing.

Written comment was also requested from the SA Civil Aviation Authority for this application however no comment has been received to date.



4 UNDERTAKING REGARDING CORRECTNESS OF INFORMATION

I **John von Mayer** herewith undertake that the information provided in the foregoing report is correct, and that the comments and inputs from stakeholders have been correctly recorded in the report.

Signature of the EAP

Date: 25 September 2024

Appendix 1: Written Comments from ATNS



ATT : John Von Mayer
Client : John Von Mayer
Email : john@eims.co.za
TEL : (011) 789 7170 / 084 404 3673

Good day, John Von Mayer,

RE: PROPOSED LYDENBURG PV PROJECT

The proposed Lydenburg PV project is in close proximity to Lydenburg airfield.

ATNS does not oppose the establishment of the proposed Lydenburg PV project, however this does not serve as **an approval/no objection letter**, the applicant still needs to apply for a detailed obstacle assessment in order to obtain a letter of objection /no objection from ATNS and a conditional Approval from the South African Civil Aviation Authority.

Please contact obstacles@atns.co.za for a detailed Obstacle Assessment application.

Kind Regards

Winnie Lekabe

Manager: Business Development | Customer Solutions
ATNS Head Office, Bruma, Johannesburg, South Africa

T: +2711 607 1164 • F: +27 011 607 1570 • C: +2782 419 1912

E: WinnieL@atns.co.za • W: www.atns.com