

APPENDIX 41

AVIATION SPECIALIST STUDIES IN SUPPORT OF THE ENVIRONMENTAL IMPACT ASSESSMENT AT CAPE WINELANDS AIRPORT - CIVIL AVIATION COMPLIANCE STATEMENT

REPORT

Aviation Specialist Studies in support of the Environmental Impact Assessment at Cape Winelands Airport

Civil Aviation Compliance Statement

Client: Cape Winelands Airport

Reference: MD5423-RHD-XX-ZZ-RP-Z-0003

Status: Final/01

Date: 26 May 2025

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Date: 23 May 2025

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1 Introduction

1.1 Appointment

On the 4th of April 2022, Royal HaskoningDHV (Pty) Ltd (operating as NACO, Netherlands Airport Consultants) was appointed by Cape Winelands Airport Ltd for the provision of aviation specialist studies in contribution to the Environmental Impact Assessment (EIA) for the Cape Winelands Airport (CWA). NACO is represented on this project by Mr. Marcel Langeslag.

The Environmental Assessment Practitioner (EAP) for this project, appointed separately by CWA, is PHS Consulting (Pty) Ltd, represented by Mr. Paul Slabbert.

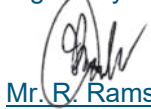
1.2 Specialists

This report was prepared by Mr. Marcel Langeslag MEng MM, Director Aviation Africa at NACO in conjunction with Mr. Ruml Ramsaroop BEng, Airport Civil Engineer (CV in Appendix A).

1.3 Declaration of consultant

Royal HaskoningDHV, operating as NACO, Netherlands Airport Consultants, hereby declares that it: acts as the independent specialist in this study; does not have and will not have any financial interest in the undertaking of the activity, other than remuneration for work performed in terms of the appointment for the provision of aviation specialist studies; does not have and will not have any vested interest in the activity proceeding; has no, and will not engage in, conflicting interests in the undertaking of the activity; undertakes to disclose, to the competent authority, any material information that have or may have the potential to influence the decision of the competent authority or the objectivity of any report, plan or document required in terms of the Environmental Impact Assessment Regulations, 2017 (as amended); and, will provide the competent authority with access to all information at our disposal regarding the study.

Signed by the authorized representative:



Mr. R. Ramsaroop, BEng

1.4 Scope and purpose of the report

This report serves as the Civil Aviation Compliance Statement, as referred to in the Protocol for the Specialist Assessment and Minimum Report Content Requirements for Environmental Impacts on Civil Aviation Installations, published in Government Notice No. 320, Government Gazette 43110 of 20 March 2020. The report aims to confirm whether or not the proposed development of CWA will have an unacceptable impact on civil aviation installations.

2 Development footprint

The CWA site is located to the northeast of Cape Town, approximately 13km from Durbanville, within the East Rural area of the City of Cape Town Municipality. The proposed development of the airport will be carried out in two phases. In phase 1 of the development, the runway 01-19 will be in place to accommodate scheduled air traffic, high-performance business jets and general aviation traffic. Intersection take-off points may be introduced to improve efficiency for general aviation operations. In phase 2 the airport facilities will be expanded to accommodate growing demand.

The Baseline Assessment Report (Final/03 dated 23 August 2024) notes 24 airports/helistops/airstrips in a 20 nm (+/- 37 km) radius from Cape Winelands Airport. Most of these are used by local farmers and/or wine producers in the area. However, several of these airports do facilitate significant scheduled and/or unscheduled aircraft movements, which may be affected by the proposed developments at CWA, including the following:

Table 2-1: Aerodromes with significant operations within 20nm distance from CWA

#	Airport/Airstrip/Helistop	Distance from CWA	Surface, facilities and usage
1.	Morningstar (WCMC Club)	+/- 9.6nm	1 x Asphalt/Frequency, Hangers & Buildings/ Local & Training
2.	Stellenbosch	+/-13 nm	1 x Asphalt/Frequency, Hangers & Buildings/ General Aviation & Training
3.	Air Force Base Ysterplaat	+/-14nm	1 x Asphalt/Military Facilities/Military & State usage
4.	Cape Town International Airport – ACSA	+/- 14nm	2 x Asphalt/All Commercial Facilities/ Commercial International usage

The image below shows the proposed development overlaid on the civil aviation sensitivity map generated by the screening tool (compiled by PHS Consulting, dated 31/05/2023).

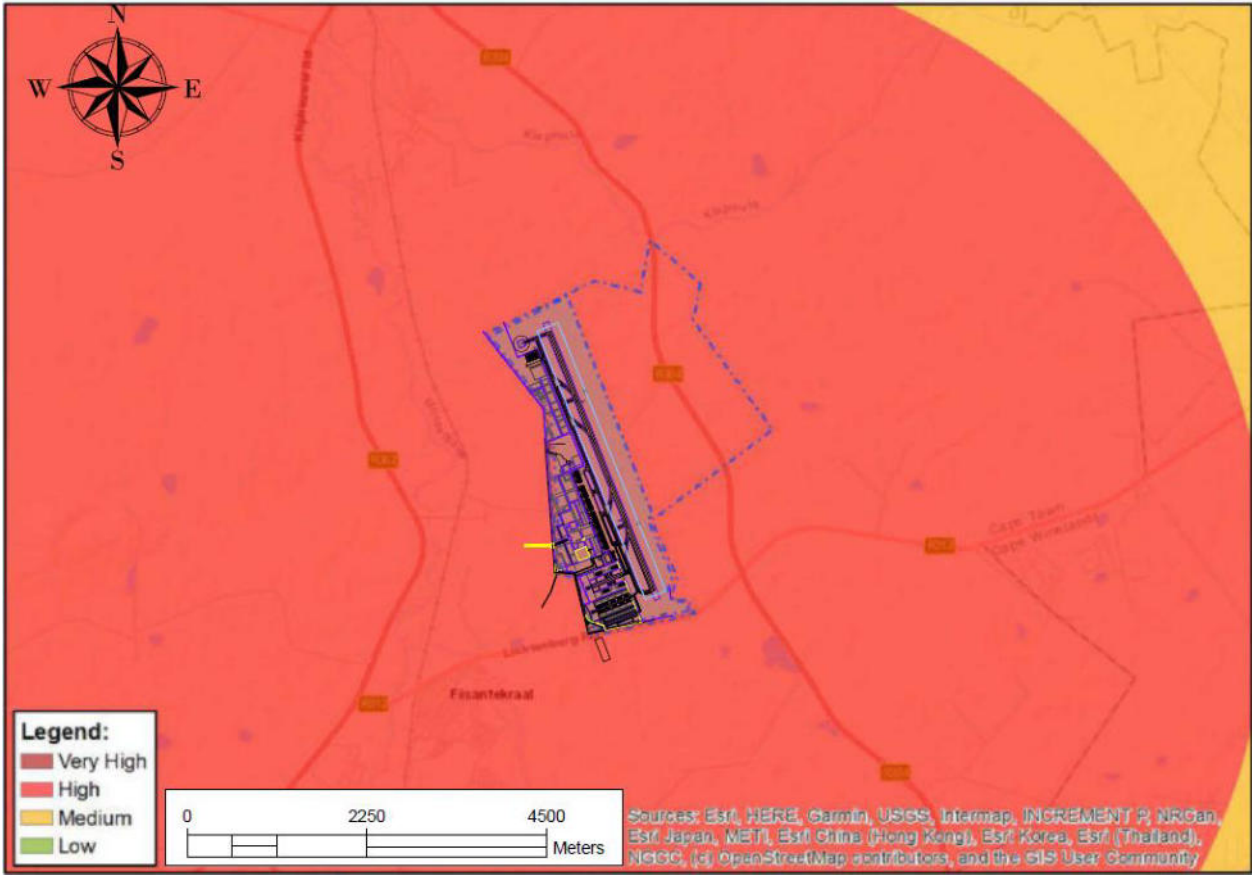


Figure 2-1: CWA Development Footprint on Civil Aviation Sensitivity Map

3 Site sensitivity confirmation

The Department of Forestry, Fisheries and Environment (DFFE) screening report for the Cape Winelands Airport Expansion, compiled on 31 April 2023 by PHS Consulting, indicated High sensitivity of the proposed site with regards to civil aviation.

The Baseline Assessment Report and Site Sensitivity Verification (Final/03 dated 23 August 2024) describes the infrastructure and facilities in place at the CWA, and the current activities taking place there, all of which are in line with the current land zoning and the status of CWA as a licensed aerodrome. It recognises that the proposed introduction of scheduled commercial air traffic in the vicinity of the Cape Town International Airport (CTIA) controlled airspace and the other aerodromes in the area is likely to impact operations at these aerodromes. It further confirms the environmental sensitivity, as identified by the screening tool, to be high

Based on assessments that have been carried out, and are referenced later in this report, the environmental sensitivity in terms of impacts on civil aviation installations is still considered high, as the impacts are considered significant but can potentially be mitigated.

4 Impact on Civil Aviation Installations

The Baseline Assessment Report and Site Sensitivity Verification (Final/03 dated 23 August 2024) identified several potential impacts on civil aviation installations. Several assessments have been carried out to investigate the potential impacts and mitigation measures.

4.1 Obstacle Limitation Surfaces

The proposed development of runway 01/19 at CWA to a Code F instrument runway will change the Obstacle Limitation Surfaces (OLS) applicable at the airport. To inform this development, an OLS survey was carried out by Air Traffic Navigation Services (ATNS), titled ICAO Amended Annex 14 Obstacle Assessment Report, For Cape Winelands Airport ATNS/Annex 14 - 04/10/2022 Issue 2.

In addition, NACO carried out an assessment of the OLS for the runway in order to visualise the height limitations it may impose on nearby developments. This report is titled Obstacle Limitation Surfaces: Visualisation of Development Heights Available in the vicinity of the Cape Winelands Airport (01/Final, dated 16 August 2024).

The OLS survey by ATNS identified several obstacles, both within and outside the airport boundary, that may penetrate the OLS. These obstacles will have to be taken into account in design of the airport infrastructure and flight procedures with appropriate mitigation measures, mapping of obstacles and publishing relevant information in AIP.

The OLS visualisation by NACO showed that the proposed runway development will impact the permissible development height on properties in the vicinity of the airport. This highlights the need to engage with local landowners about the impacts the proposed OLS for the airport may have but, while important, this is not an impact on civil aviation installations.

4.2 Airspace

The proposed introduction of scheduled commercial operations will impact the airspace environment around CWA, which includes the controlled airspace at CTIA and so-called general flying areas used by General Aviation (GA) operators in the area. The airspace at CWA is currently not controlled but will have to be controlled for scheduled commercial traffic to operate under Instrument Flight Rules (IFR). This will also present the need for IFR procedures to be implemented, which will impact the design of airspace in the area.

In order to evaluate this impact of the proposed development on air traffic operations in the area, a concept of operations for the airspace was developed by NACO, ATNS and the Netherlands Aerospace Centre (NLR). This report is titled Final Report: Development of an Airspace CONOPS for the Cape Winelands Airport 08 October 2024 – REVISED FINAL. It proposes a high-level concept of IFR procedures, joining of existing flight routes and considerations for routing of traffic operating under Visual Flight Rules (VFR). While many details remain to be resolved, it indicates that in principle, the integration of CWA into the regional airspace should be possible.

This CONOPS Report was presented to the South Africa Civil Aviation Authority's (SACAA) National Airspace Committee (NASCOM), which established the CWA Task Force to operationalise the concept of operations. It is noted that the Task Force has successfully concluded its mandate and confirmed that the CONOPS has effectively addressed the operational requirements necessary to integrate CWA into the existing national airspace structure.

Public consultations that took place as part of the Environmental Impact Assessment (EIA) for the proposed CWA development resulted in inputs and comments on the CONOPS Report from various Interested & Affected Parties (I&AP). Many of these comments related to the need to ensure seamless integration of airspace and flight procedures for CWA and CTIA, in order to ensure both airports are able to operate at their desired and projected capacity. Other comments dealt with the need to accommodate VFR operations in the area, including at nearby aerodromes and general flying areas, in order to ensure these operations are able to proceed safely and efficiently.

To address these comments, and to further operationalise the CONOPS, flight procedure and airspace designs will have to be developed and approved. This process should follow commonly accepted Collaborative Decision Making (CDM) principles, as prescribed in the National Airspace Masterplan, and the relevant international and local standards and recommended practices. Provided this process is followed as prescribed, there is no indication that the identified impacts of the CWA development on air traffic operations in the region cannot be mitigated effectively.

5 Comment from the South African Civil Aviation Authority (SACAA)

Throughout the EIA process, the SACAA, as one of the I&APs, has provided written comments on at least two occasions. Two letters, both titled AVIATION ENVIRONMENTAL PROTECTION COMMENTS ON THE PROPOSED EXPANSIONS OF CAPE WINELANDS AIRPORT, dated 06 December 2023 (with enquiries directed to Ms. Evelyn Shogole) and 05 August 2024 (with enquiries directed to Ms. Pamela Madondo), highlighted several applicable regulations and processes to be taken into account in the further development of the CWA airport. Neither of these letters identified any significant negative impacts of the proposed development on nearby civil aviation installations, suggested any impacts to be unacceptable, or raised the need for further assessments to be undertaken as part of the EIA.

The Protocol for the Specialist Assessment and Minimum Report Content Requirements for Environmental Impacts on Civil Aviation Installations requires “a comment, in writing, from the South African Civil Aviation Authority (SACAA), which may include inputs from the Obstacle Evaluation Committee (OEC), if appropriate, confirming no unacceptable impact on civil aviation installations”. The comments received from SACAA to date does not indicate any unacceptable impact on civil installations.

6 Compliance check

The table below indicates the minimum requirements for the civil aviation assessment based on the sensitivity of the site (as per the Gazette). As per the Gazette, a Civil Aviation Compliance Statement is required if the site sensitivity is considered as Medium, High or Very High. In this case, the screening tool indicated the site sensitivity as High (see Figure 2-1). Table 6-1 highlights all requirements of the Compliance Statement and indicates if the requirements have been met.

Table 6-1: Civil Aviation Compliance Statement compliance check

Civil Aviation Compliance Statement (extracted from Table 1 of the Gazette)	Comply with requirements
2.1. The compliance statement must be prepared by an environmental assessment practitioner or a specialist with expertise in radar.	Yes
2.2. The compliance statement must:	
2.2.1. be applicable to the preferred site and the proposed development footprint;	Yes
2.2.2. confirm the sensitivity rating for the site; and	Yes
2.2.3. indicate whether or not the proposed development will have an unacceptable impact on civil aviation installations.	Yes
2.3. The compliance statement must contain, as a minimum, the following information:	
2.3.1. contact details of the environmental assessment practitioner or the specialist, their relevant qualifications and expertise in preparing the statement, and a curriculum vitae;	Yes
2.3.2. a signed statement of independence by the environmental assessment practitioner or specialist;	Yes
2.3.3. a map showing the proposed development footprint (including supporting infrastructure) overlaid on the civil aviation sensitivity map generated by the screening tool;	Yes
2.3.4. a comment, in writing, from the South African Civil Aviation Authority (SACAA), which may include inputs from the Obstacle Evaluation Committee (OEC), if appropriate, confirming no unacceptable impact on civil aviation installations; and	Yes
2.3.5. should the comment from the SACAA indicate the need for further assessment, a copy of the assessment report and mitigation measures is to be attached to the compliance statement and incorporated into the Basic Assessment Report or Environmental Impact Assessment Report with mitigation and monitoring measures identified included in the EMP. The assessment must be in accordance with the requirements stipulated by the SACAA.	NA
2.4. A signed copy of the compliance statement must be appended to the Basic Assessment Report or Environmental Impact Assessment Report.	Yes

7 Conclusion

The proposed airport development will undoubtedly impact airspace operations in the area, as well as neighbouring developments. However, it is our understanding that these impacts have been thoroughly identified and analysed, and none are considered unacceptable.

The further design of airport infrastructure, airspace, and flight procedures should adhere to prescribed methods and comply with applicable legislation, regulations, standards, and recommended practices. This approach will ensure that any impacts are appropriately mitigated and managed, resulting in a compliant airport with operations that integrate seamlessly into the regional and national civil aviation environment.



Appendix A – Specialist CV



Curriculum Vitae

Marcel Langeslag

Aviation

Director Aviation Africa

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As a senior project manager, airport planner, and business consultant, Marcel has extensive experience in the global aviation industry. He excels in leading multi-disciplinary and multi-national teams. Marcel assists clients with conceptual thinking and an integrated approach to airport development, ensuring the relevance and interrelationships of all technical disciplines, commercial considerations, and stakeholder demands.

Marcel's expertise spans new-build, expansion, and refurbishment projects, including planning and design of airport infrastructure, special airport systems, site utilities, and building services. He is also skilled in airport city planning, air cargo development, feasibility studies, strategy development, transaction advisory, and commercial and financial planning.

At NACO, he leads the Aviation Advisory practice, expanding the portfolio of business and policy consulting services. He also heads Business Development in Africa, frequently delivers presentations, participates in panel sessions, and provides training at aviation events on the continent. Additionally, he is an active member of the ACI Africa Regional Committees.

Nationality

Dutch

Years of experience

16

Years with Royal HaskoningDHV

11

Professional memberships

South African Institute of Draughting, M171050

Engineering Council of South Africa, Candidate 2022403992

Special skills

Project Management

Airport Strategy & Planning

Feasibility Studies

Project Finance

Qualifications

2024 Project Finance Practitioner Certificate

Euromoney e-Learning, online

2021 Financing and Investing in Infrastructure

SDA Bocconi School of Management, online

2016 Master of Management (MM) in Finance and Investment

Wits Business School, Johannesburg, South Africa

Cum Laude & Dean's List of Merit Award

2013 Financial Management

Gordon Institute of Business Science

Sandton, Johannesburg, South Africa

2008 Master of Engineering (MEng) in Mechanical Engineering and Design with Professional Development

Brunel University, West London, United Kingdom

Professional experience

NACO, Johannesburg, South Africa:

Design Competition for Terminal 2 at Al Wajh Airport

> 2024 | Saudi Arabia

- Project Manager and Consultant supporting an architectural firm in the design competition for a new terminal building at the airport for end-client Red Sea Global.

Global Airport ESG Framework for ACI World

> 2023 - present | Canada

- Project Manager for the development of the first ESG Framework for the global airports industry. The project includes extensive stakeholder engagement, an in-person forum for selected industry participants and a pilot phase involving ESG and Decarbonisation Roadmap developments for several airports.

Business Development Support and Upgrade of Air Cargo Warehouses for Swissport in Johannesburg and Cape Town

> 2023 - present | South Africa

- Project Manager and Lead Consultant for the assessment of air cargo facilities and design of warehouse upgrades, including project management support services for the implementation. Supporting the CEO in strategy workshops and stakeholder presentations.

Planning and Design of New Cargo, MRO and FBO Precincts at Lanseria International Airport

> 2023 - present | South Africa

- Project Director and Lead Consultant for the development of new air cargo, MRO and FBO precincts. The project includes an air cargo market assessment, master planning of the precinct and design of all infrastructure and facilities. Supporting the airport CEO in Board meetings and investor engagements.

Aviation Sustainability Training Courses for ACI Africa

> 2023 - present | Morocco

- Project Manager and Consultant for the development and delivery of several training courses as part of the African Airports Development Programme. Courses include ESG, Strategy & Finance, Alternative Aviation Fuels, Airport Energy Transition, and Airport Climate Resilience.

Benchmarking Study for Integrated Operations and Control Centre at Toronto Pearson International Airport

> 2023 - 2024 | Canada

- Project Manager and Lead Consultant for an assessment of operating models and locations for the new IOCC, including extensive peer airport benchmarking.

Airport Planning & Design Module for an Honours Degree at Nelson Mandela University

> 2023 - present | South Africa

- Project Manager (and lecturer) for the development and delivery of a comprehensive Airport Planning & Design module as part of a BTech Civil Engineering Honours degree at the university.

Review of Masterplan for Lekki International Airport

> 2023 | Nigeria

- Project Manager and Lead Consultant for the review of the Airport Masterplan for the planned secondary airport for the city of Lagos.

Airport City Development Workshop for ACI Africa

> 2023 | Senegal

- Instructor for a 2-day workshop on Airport City Development for over 30 delegates at the ACI Africa Annual Conference in Dakar, Senegal.

Lender's Technical Advisor for the Financing of the Construction of the New Libreville International Airport

> 2022 | Gabon

- Project Manager and Lead Consultant for the technical due diligence of the project for the potential financiers.

Transaction Advisory for Murtala Muhammed International Airport PPP in Lagos

> 2022 | Nigeria

- Consultant for Bid Support services for a private investor pursuing the PPP concession for the airport. Project scope included traffic forecasting, airport development planning and review of commercial and financial projections.

Planning, Design and Business Consulting for the new Simandou Airport

> 2021 - 2023 | Guinea

- Project Director for the Master Planning and design of the first development phases of the new Simandou Airport. The project includes the development of a comprehensive Business Plan for the new airport.

Development Planning for Cape Winelands Airport

> 2020 - present | South Africa

- Project Manager and Lead Consultant for the Airport Master Planning and EIA Specialist Studies for the Cape Winelands Airport. Project scope includes airport strategy development, air traffic forecast, airport land use and master planning, airport city planning, and terminal building concept design. Supporting the executive team in Board meetings and stakeholder engagements.

Masterplan and Design Review, Traffic Forecast and Business Plan for the New Bugesera International Airport

> 2020 - 2023 | Rwanda

- Consultant for the transaction advisory services in support of a private investor acquiring a stake in the airport. The scope included review of documentation and preparation of a new air traffic forecast and business plan.

Operational Readiness for Sir Seretse Khama International Airport

> 2019 | Botswana

- Project Director for a project involving the design of parking positions for A350, B777 and B787, an airfield Compatibility Study and Operational Readiness Programme for the introduction of a new route.

Orapa Airport Risk Assessment Study – Mine & Airport Operations

> 2019 | Botswana

- Project Director for the Risk Assessment Study to identify operational hazards to the airport operations imposed by the proposed mining projects.

Tender Support for Cape Town Internal Airport Realigned Runway 18-36

> 2019 | South Africa

- Project Director for the tender design as part of a competitive design and construct bid for the New Realigned Runway at Cape Town International Airport.

Tender Support for OR Tambo International Airport New Remote Apron Stands

> 2019 | South Africa

- Project Director for the tender design as part of a competitive design and construct bid for a new remote aircraft apron at Oliver Tambo International Airport.

Airport City Plan for Zambia Airports Corporation

> 2018 – 2019 | Zambia

- Project Manager and Consultant for the development of an Airport City Plan and Financial Feasibility Study for Kenneth Kaunda International Airport in Lusaka, Zambia.

Tender Design for Western Sydney Airport

> 2018 – 2019 | Australia

- Aviation Lead for the tender design for the first civil works construction package of the new Western Sydney Airport.

Masterplan for Madrid Barajas International Airport

> 2018 | Spain

- Airport Planning Consultant responsible for the planning of all utilities as part of the overall airport masterplan.

Commercial Feasibility Study for the Uppington Aviation Park

> 2017 – 2018 | South Africa

- Project Manager and Strategy Consultant for a study into the feasibility of establishing an Aviation Park at Uppington Airport. The project includes the development of a Business Plan and Marketing Strategy for Airports Company South Africa.

Upgrade of Infrastructure at Kamembe International Airport

> 2017 – 2020 | Rwanda

- Project Director for the upgrade of airside infrastructure and the implementation of airfield ground lighting and several safety and security systems at Kamembe International Airport.

Update of Air Traffic Forecast for Airports of Mauritius

> 2017 | Mauritius

- Consultant for the review and update of the long-term air traffic forecast for Airports of Mauritius, including extensive stakeholder engagements.

Due Diligence of Airport Ground Handling Firms

> 2017 | West Africa

- Consultant on the due diligence for possible acquisition of several airport ground handling firms in West Africa for a large global transport and logistics investor.

Business Development Strategy for Airports Company South Africa

> 2016 – 2017 | South Africa

- Project Manager and Strategy Consultant for the development of the new strategy for ACSA's Business Development division.

Public-Private Partnership Advisory for the Kenya Airports Sector

> 2016 | Kenya

- Strategy Consultant for the development of an Airport PPP Strategy for the National Treasury under the World Bank Infrastructure Finance & Public Private Partnerships Project.

Remote Aircraft Stand Simulations at OR Tambo International Airport

> 2016 | South Africa

- Project Director for an airside simulation study, quantifying and evaluating the impact of operating new Remote Aircraft Stands located in the Midfield of OR Tambo International Airport.

Rehabilitation of Runway 04-22 at Roberts International Airport, Monrovia

> 2015 – 2019 | Liberia

Project Director for the Contract Administration and Construction Supervision of the rehabilitation of the runway and associated infrastructure at Roberts International Airport in Monrovia, Liberia.

New Mexico City International Airport

> 2015 – 2019 | Mexico

- Special Airport Systems Consultant responsible for the detailed design and specification of passenger boarding bridges for over 95 aircraft contact stands at the new Passenger Terminal Building.

Commercial Feasibility Study for the Midfield Cargo Area at OR Tambo International Airport

> 2015 | South Africa

- Project Manager for a study to determine the feasibility of the development of a new Midfield Cargo Area at OR Tambo International Airport. The study includes the preparation of a financial model and comprehensive business implementation strategy for the development.

New Realigned Runway at Cape Town International Airport, Cape Town

> 2014 – 2018 | South Africa

- Project Manager for the detailed design, construction supervision and commissioning of the new re-aligned second runway 18-36, associated taxiways and infrastructure.

GSE Project, OR Tambo International Airport, Johannesburg

> 2014 – 2016 | South Africa

- Project Manager for the rehabilitation and upgrade of airside service roads, staging areas for Apron Ground Support Equipment and ULD storage infrastructure.

Taoyuan International Airport Terminal 3, Taipei

> 2014 – 2018 | Taiwan

- Special Airport Systems Consultant responsible for drafting the terms of reference for procurement of a project design consultant and subsequent design reviews.

Rehabilitation of Kilimanjaro International Airport

> 2013 – 2019 | Tanzania

- Project Manager for the rehabilitation and expansion of Kilimanjaro International Airport in line with the airport master plan. The works include construction of a new taxiway, expansion of the aircraft parking apron and refurbishment of the terminal building.

Previous employers

RSV ENCO Consulting, Johannesburg, South Africa:

Boikarabelo Coal Mine, Waterberg, Limpopo

> 2013 | South Africa

Project Engineer for the development of a large open-cast coal mine for Resource Generation. Responsible for design of utilities and the Mine Infrastructure Area including all workshops, wash bays, offices and support buildings.

Liquid Gold Project, West Rand, Gauteng

> 2013 | South Africa

Project Engineer for the development and implementation of sustainable, long-term business solutions for water management at the South Deep and KDC mines for Gold Fields International and Sibanye Gold. Responsible for project planning and work package management, engineering design, stakeholder workshops and client presentations.

Deerns Consulting Engineers, Rijswijk, The Netherlands:

Kuwait International Airport

> 2011 - 2012 | Kuwait

Airport Systems Engineer for a new high-end Terminal Building, designed by signature architects Foster + partners, and thirty-seven aircraft stands equipped with state-of-the-art apron services. Responsible for mechanical engineering design, specification and coordination of aircraft pre-conditioned air, passenger boarding bridges and wet utilities systems.

Viracopos International Airport, Campinas

> 2012 | Brazil

Project Engineer for the airport privatization and expansion project. Work Package Manager responsible for the design and specification of apron systems (including pre-conditioned air, ground power, passenger boarding bridges and wet utilities systems) for thirty-two new aircraft stands. Involved with project planning and management, design coordination with airport operator, local stakeholders, international design team, consortium contractors and equipment suppliers.

Schiphol Airport Amsterdam

> 2010 - 2012 | The Netherlands

Project Engineer for various building services design projects, sustainable building concepts, feasibility and energy studies.

Abu Dhabi International Airport

> 2011 - 2012 | UAE

Project Engineer for the Midfield Terminal Complex airport expansion, including a new Terminal Building design by signature architect KPF. Responsible for planning, design and coordination of site utilities for the Airside Support Zone and systems design of the aircraft Sanitary Station.

Abu Dhabi International Airport

> 2010 - 2012 | UAE

Design Engineer for the South Airfield Project, comprising of the refurbishment and upgrade of runway, taxiways and airside facilities. Responsible for design and specification of site utilities and fire fighting systems.

Zagreb International Airport

> 2010 | Croatia

Technical Consultant for the technical review of existing site utilities, terminal building facilities and the cost estimations for expansion plans.

Media and publications

Speaker and Moderator at AviaDev Africa

> June 2024 | Windhoek, Namibia

Invited speaker and moderator at the conference, presented the keynote on Airport Real Estate, and moderated panel sessions on airport investment and route development.

Guest Lecturer: Project Finance

> June 2023 | Johannesburg, South Africa

Invited guest lecturer at the Capital Budgeting module of the Master of Management in Finance & Investment degree course at Wits Business School. Presented on recent developments in Project Finance in the airport industry.

Speaker and Moderator at AviaDev Africa

> June 2023 | Nairobi Kenya

Invited speaker and moderator at the conference, presented the keynote on Airport Real Estate development and panellist on the topic of the air cargo ecosystem.

Speaker: Unlocking new routes in Africa with e-flight

> June 2022 | Cape Town, South Africa

Invited speaker for the Inspiration Session at the AviaDev Africa conference. Presented a case study into opportunities for enhanced connectivity in Africa offered by electric aviation.

Moderator: Diversifying African airport revenues to build resilience

> June 2022 | Cape Town, South Africa

Invited moderator of a panel with several airport operators and investors at the AviaDev Africa conference to discuss the opportunities for diversifying airport revenues and building resilience.

Speaker & Panellist: Covid-19, Recovery and the Future of the African Aviation Industry

> June 2020 | Online

Speaker and panellist at the Webinar: Covid-19, Recovery and the Future of the African Aviation Industry organised by NACO & InterVISTAS.

Speaker & Panellist: Diversifying Airport Revenues: The African Airport Viewpoint

> April 2020 | Online

Invited speaker and panellist at the AviaDev Africa Webinar: How African airports can diversify income to include non-aeronautical revenues.

Speaker & Panellist: Smart Airports of the Future

> October 2019 | Accra, Ghana

Invited speaker and panel member at the ACI Africa Annual General Assembly & Regional Conference and Exhibition. Presented a practical framework for the implementation of smart solutions at airports, making use of developing trends in the Internet of Things (IoT) and Artificial Intelligence (AI).

Speaker: Global Airport Development Trends

> October 2018 | Beijing, China

Invited speaker at the 1st Air Silk Road Summit presenting major trends in global airport development.

Moderator: African Airport Infrastructure Developments and their financing

> June 2018 | Cape Town, South Africa

Invited moderator of a panel with several airport operators and investors at the AviaDev Africa conference to discuss the challenges in developing and financing airport infrastructure on the African continent.

Guest Lecturer: Project Finance

> June 2018 | Johannesburg, South Africa

Invited guest lecturer at the Capital Budgeting module of the Master of Management in Finance & Investment degree course at Wits Business School. Presented on the practical applications of Project Finance in the airport industry.

Speaker: The Future Development of Africa's Airports

> June 2018 | Online

Invited speaker at the AviaDev Insight Podcast discussing opportunities and creative solutions to developing airport capacity on the African continent.

Moderator & Speaker: Airport City Development: From Vision to Implementation

> February 2018 | Addis Ababa, Ethiopia

Invited speaker at the 6th Annual Africa Airport Expansion Summit presenting a framework for the development airport cities. Moderator for a panel discussion on the use of technology in Airport Facilitation.

Speaker: Using Simulations in Airport Master Planning

> November 2017 | Midrand, South Africa

Invited speaker at the Future Airports Master Planning Conference presenting on the possibilities and benefits of the use of simulation modelling in airport master planning.

Moderator: Development of Airport Infrastructure in Africa

> October 2017 | Kigali, Rwanda

Invited moderator of a panel with several airport operators and investors at the AviaDev Africa conference to discuss the challenges in developing airport infrastructure on the African continent and different financing models.

Speaker: Nigerian Airport PPPs: An Investor's View

> June 2017 | Abuja, Nigeria

Invited speaker at the Airport Business Summit and Expo outlining the potential future privatisation of four major airports in Nigeria.

Panellist: Putting Africa's aviation industry on the map

> June 2017 | Johannesburg, South Africa

Invited panellist at the Aviation Festival discussing trends, strategies and leadership for the development of the aviation industry on the African continent.

Speaker: Airport Special Systems for a Changing World

> February 2017 | Kigali, Rwanda

Invited speaker at the 5th Annual Africa Airport Expansion Summit presenting the opportunities for improved airport operations presented by developments in Airport Special Systems.

Speaker: Financing Airport Developments in Africa

> February 2016 | Accra, Ghana

Invited speaker at the 4th Annual Africa Airport Expansion Summit presenting options and trends in financing the development of airport infrastructure on the African continent.



Curriculum Vitae

Rumal Ramsaroop

Aviation

Airport Civil Engineer

E: rumal.ramsaroop@rhdhv.com

T: +27 78 269 9832

Rumal is motivated to understand concepts related to aviation in a broad sense (from first principles). He has a passion for programming and has channeled this passion to make aviation design more efficient by implementing various automation techniques to improve work efficiency. With an affinity to water engineering, Rumal is pursuing a career as an airfields drainage engineer.

Rumal's airport experience includes a variety of civil, electrical and systems engineering tasks which allowed him the opportunity to gain a wide spectrum of valuable knowledge relating to the operation and functionality of an airport.

Intrigued by the capabilities of programming, especially machine learning and AI, Rumal has experimented within NACO to idealise and create tools that integrate theoretical engineering, and practical hands-on experience.

With a personal mission to gain in-depth knowledge of all aspects of airfield engineering, Rumal is eager to get as much experience as possible in the industry.

Nationality

South African

Years of experience

6

Years with Royal HaskoningDHV

6

Special skills

Autodesk Construction Cloud, Dynamo, Civil 3D, Revit, Infracore, Infoworks ICM, Python, VBA, C#

Qualifications

2021 Obstacle Restriction and Removal, Airports Council International (ACI)

2018 Bachelor of Engineering (BEng) in Civil, University of Pretoria, South Africa

Professional experience

Beyla Airport -

> 2024 | Guinea

The project scope included the complete design of a terminal building, ARFF and the design of all wet and dry utilities.

- Position: Project Coordinator for Utilities, Utility design lead.

- Assigned Tasks: Design of potable water, fire water, sewage and electrical supply, storage and distribution networks.

Cape Winelands International Airport -

> 2023-2024 | South Africa

The task involved the completion of Aviation Specialised studies for the new airport hub development which was included in the EIA

- Position: OLS Specialist

- Assigned Tasks: Basic assessment report, including the OLS assessment.

Sir Bani Yas Airport -

> 2024 | United Arab Emirates

The project scope included the complete design optimisation of the stormwater and ground water drainage network.

- Position: Lead Design Engineer

- Assigned Tasks: Stormwater designer.

Local International Airport – Design services for the Airside and landside infrastructure for Cargo and MRO facilities.

> 2024 | South Africa

The project scope included the complete design of a Cargo and MRO facilities, as well as the connecting taxiways to the runway.

- Position: Civil Engineer, Stormwater

- Assigned Tasks: Civil Designer, Stormwater designer.

Abu Dhabi In International Airport – Additional car park entrance.

> 2024 | United Arab Emirates

The project scope included the complete design of an additional entrance in to the short term car park in order to alleviate traffic.

- Position: Civil designer, Utilities designer

- Assigned Tasks: Designer of the wet and dry utilities infrastructure.

Kuwait International Airport.

> 2023 | Kuwait

The project scope included the complete design of a new parallel taxiway and civil works.

- Position: Stormwater Engineer

- Assigned Tasks: Stormwater drainage designer, civil designer.

Abu Dhabi In International Airport – Design services for utilities subsidence rectification.

> 2022-2023 | United Arab Emirates

As the design consultant for the client, the project scope entailed providing solutions to engineering problems faced due to ground subsidence. This included the rectification and redesign of all affected underground utilities.

- Position: Site Engineer

- Assigned Tasks: Wastewater Designer, Stormwater design Engineer, daily reporting, laboratory test inspections. Site coordinator. As a site Engineer, Rumal was directly engaged with the Contractor to solve problems immediately on site.

Conakry Airport – Masterplanning

> 2022 | Guinea

The project scope included the master planning of a hanger for a specific fleet mix. The design included optimising the site for accommodate the hanger, movement areas and admin areas.

- Position: Airport engineer

- Assigned Tasks: Lead design

King Salman Air Base – Utilities optimisation and clash avoidance

> 2022 | Saudi Arabia

The task involved optimising utilities corridors to avoid clashed and ensure compliance between wet and dry utilities

- Position: Civil engineer

- Assigned Tasks: Design coordination

Simandou Airport – Multidisciplinary design

> 2021-2022 | Guinea

The project scope included the earthworks design and optimisation for the entire airfield; design and optimisation of the stormwater drainage system for the aerodrome; and the signage and markings design.

- Position: Airport civil engineer. Information manager, BIM Coordinator

- Assigned Tasks: designer

Simandou Airport – Masterplanning

> 2021 | Guinea

The project scope included the geometric layout of a greenfield aerodrome which included the movement areas (runway, taxiways, aprons, service roads) and the overall layouts of the buildings (terminal, offices, Fire and rescue)

- Position: Airport engineer, BIM Coordinator
- Assigned Tasks: lead design

Simandou Airport – OLS assessment for development of airstrip

> 2021 | Guinea

The project scope included performing and OLS assessment in the region of Simandou, Guinea for a new airstrip to be developed. The airstrip was located in proximity to the Simandou Mountain range with high peaks that needed to be assessed

- Position: Airport engineer, BIM Coordinator, Information manager
- Assigned Tasks: Lead design

King Salman Air Base - Design services

> 2021 | Saudi Arabia

This project scope includes the role of a design consultant for various airside projects, at King Khalid International Airport in Riyadh.

- Position: Junior Civil Engineer and Airport engineer
- Assigned Tasks: Designer of certain utilities, duct banks routes and details, and manholes.

Red Sea International Airport - Design services

> 2021 | Saudi Arabia

This project scope includes the role of a design consultant for various airside projects, at King Khalid International Airport in Riyadh.

- Position: Automation designer
- Assigned Tasks: Designer of certain utilities, duct banks, and manholes. Rumal also created various digital tools to assist with modelling elements.

King Khalid International Airport - Design Services for Airfield signage, Airfield lightings, Power Distribution, Apron 11, Cargo Apron, and Taxiway F, Riyadh

> 2020 – 2021 | Saudi Arabia

This project scope includes the role of a design consultant for various airside projects, at King Khalid International Airport in Riyadh.

- Position: Airport engineer, junior civil engineer and assistant designer

- Assigned Tasks: Rumal was involved in a wide range of tasks involving the storm water design, utilities design and designing the expansion of a taxiway

Cape Town Internal Airport Realigned Runway 18-36

> 2019 | South Africa

This project scope includes the provision of a reference design as part of a competitive design and construct bid for a new Realigned Runway at Cape Town International Airport.

- Position: Junior Airport engineer
- Assigned Tasks: Designed the electrical cable and duct routing, assisted in optimizing meteorological aids, created the service and perimeter roads.

OR Tambo International Airport New Remote Apron Stands

> 2019 | South Africa

This project scope includes the provision of a reference design as part of a competitive design and construct bid for 9 Code F aircraft stands and 7 Code C aircraft stands in Multiple Aircraft Ramp System (MARS) configuration at Oliver Tambo International Airport.

- Position: Junior Airport engineer
- Assigned Tasks: Assisted in the design of electrical sub-stations

Sir Seretse Khama International Airport, Gaborone

> 2019 | Botswana

Design of Parking Positions for A350, B777 and B787 Aircrafts and to carry out a Compatibility Study as Part of an Operational Readiness Programme for Qatar Airways

- Position: Junior Airport engineer
- Assigned Tasks: Created the Aerodrome, Obstacle, Docking and Ground Movement charts to be include in the AIP

Orapa Airport Risk Assessment Study – Mine & Airport Operations

> 2019 | Botswana

> Client Name: Debswana Diamond Company

The purpose of the study was to establish the impact of planned mine expansions on airport operations. It required the identification of operational hazards imposed by the proposed mining projects and the further assessment of these hazards using bow-tie methodology.

- Position: Junior Airport engineer
- Assigned Tasks: Assisted in the development of a risk assessment and bowtie analysis.

Hamad International Airport

> 2018 – current | Qatar

The asphalt pavements in some areas of the airport started showing rutting deformation. The airport then wanted to repair some of these pavements with concrete. The pavements included taxiways and apron taxilanes. In a fast track appointment, the airport appointed MidMac for the design and construction of the works, then for the design role, MidMac appointed NACO. Because the construction of the works included closing of apron stands for construction, additional temporary stands had to be designed and constructed first before the commencement of the design and construction of the permanent works.

- Position: Junior Civil engineer
- Assigned Tasks: Drafts person and designer of pavement jointing

Improvement of Infrastructure at Kamembe International Airport

> 2018 | Rwanda

This project scope includes the provision of a new AGL system. Further works includes fence lighting, apron floodlighting, AGL control system and a substation.

- Position: Junior Civil engineer
- Assigned Tasks: assisted in the design and modelling on various items

Kuwait Package 3: Design and Construction of New Runway 15R/33L, Reconstruction of Runway 15L/33R, Associated Taxiways, Infrastructure and Utilities

> 2017 – Current | Kuwait

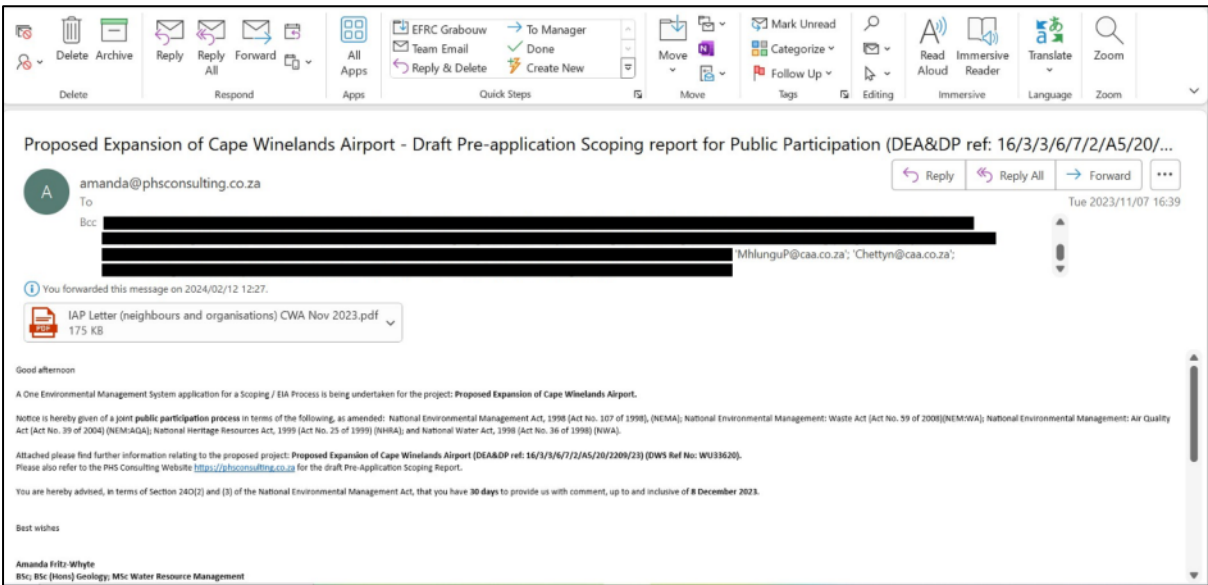
This project scope includes the provision of a new Western Runway, rehabilitation of the Eastern Runway and all related taxiways to ICAO Annex 14 standards. The AGL scope includes the provision of a new AGL lighting system to conform to CAT IIIB standards. Further works include a new AGLCMS, the provision of runway incursion detection system and new AGL Substations to ICAO Annex 14 standards.

- Position: Junior Airport engineer
- Assigned Tasks: Created the circuit and duct routes for the Kuwait international airport runway and taxiways

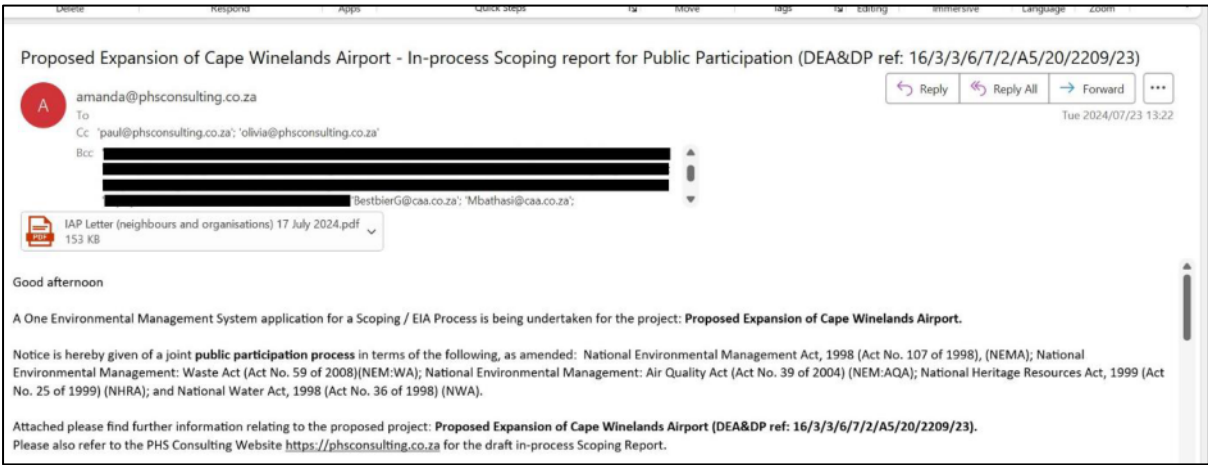
Appendix B – Correspondence with SACAA

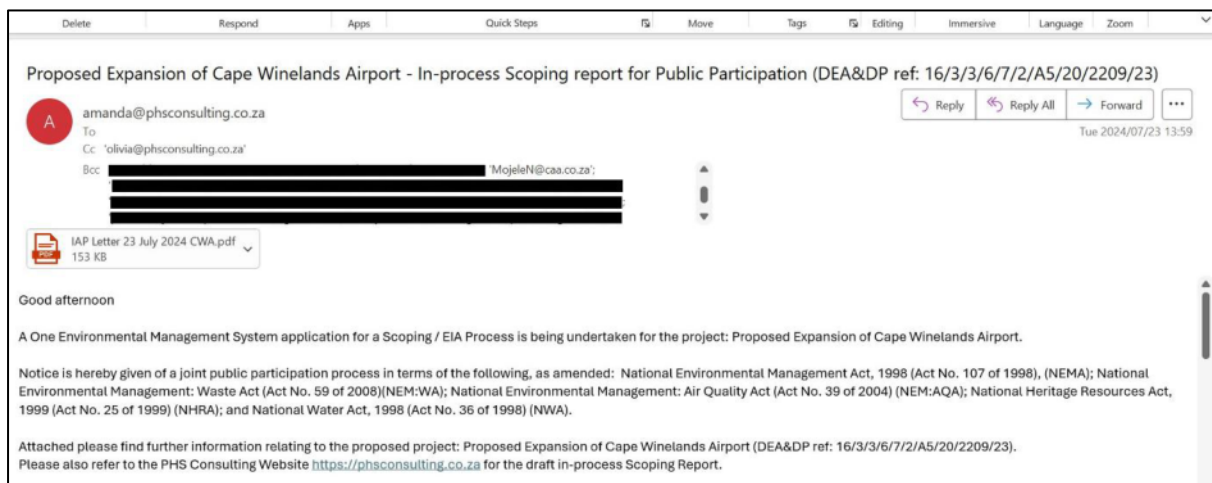
Proof of Consultation with SACAA throughout the S&EIA for the Proposed Expansion of CWA

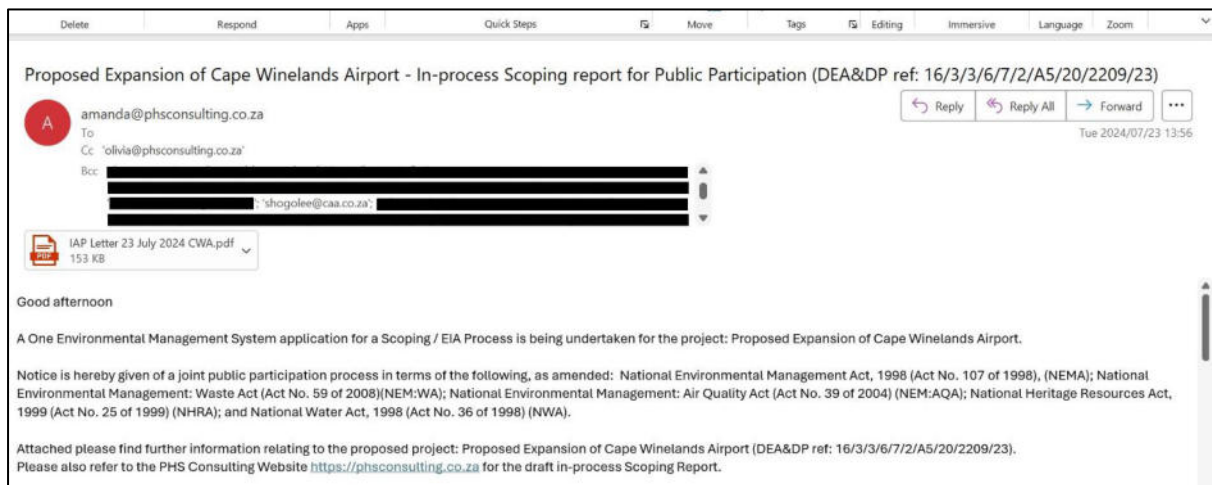
1. Pre-Application SACAA Notification – 7 November 2023 (Sanitised)



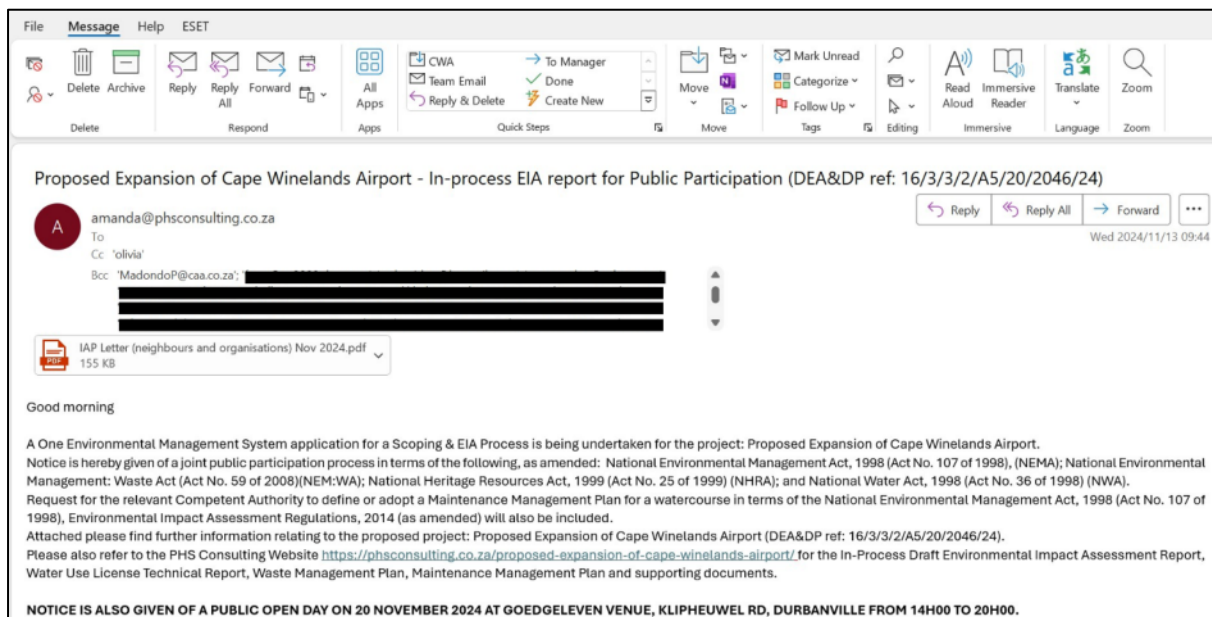
2. Scoping Phase SACAA Notification - 23 July 2024 (Sanitised)







3. EIA Phase SACAA Notification – 13 November 2024 (Sanitised)



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Proposed Expansion of Cape Winelands Airport - In-process EIA report for Public Participation (DEA&DP ref: 16/3/3/2/A5/20/2046/24)

amanda@phsconsulting.co.za

To: 'olivia'

Cc: 'environment@caa.co.za'; [REDACTED]

Bcc: [REDACTED]

IAP Letter (neighbours and organisations) Nov 2024.pdf 155 KB

Good morning

A One Environmental Management System application for a Scoping & EIA Process is being undertaken for the project: Proposed Expansion of Cape Winelands Airport. Notice is hereby given of a joint public participation process in terms of the following, as amended: National Environmental Management Act, 1998 (Act No. 107 of 1998), (NEMA); National Environmental Management: Waste Act (Act No. 59 of 2008)(NEM:WA); National Heritage Resources Act, 1999 (Act No. 25 of 1999) (NHRA); and National Water Act, 1998 (Act No. 36 of 1998) (NWA). Request for the relevant Competent Authority to define or adopt a Maintenance Management Plan for a watercourse in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998), Environmental Impact Assessment Regulations, 2014 (as amended) will also be included. Attached please find further information relating to the proposed project: Proposed Expansion of Cape Winelands Airport (DEA&DP ref: 16/3/3/2/A5/20/2046/24). Please also refer to the PHS Consulting Website <https://phsconsulting.co.za/proposed-expansion-of-cape-winelands-airport/> for the In-Process Draft Environmental Impact Assessment Report, Water Use License Technical Report, Waste Management Plan, Maintenance Management Plan and supporting documents.

NOTICE IS ALSO GIVEN OF A PUBLIC OPEN DAY ON 20 NOVEMBER 2024 AT GOEDGELEVEN VENUE, KLIPHEUWEL RD, DURBANVILLE FROM 14H00 TO 20H00.

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Proposed Expansion of Cape Winelands Airport - In-process EIA report for Public Participation (DEA&DP ref: 16/3/3/2/A5/20/2046/24)

amanda@phsconsulting.co.za

To: 'olivia'

Cc: 'mail@caa.co.za'; [REDACTED]

Bcc: [REDACTED]; 'MashiloaneN@caa.co.za'; [REDACTED]; 'MojeleN@caa.co.za'; [REDACTED]

IAP Letter (neighbours and organisations) Nov 2024.pdf 155 KB

Good morning

A One Environmental Management System application for a Scoping & EIA Process is being undertaken for the project: Proposed Expansion of Cape Winelands Airport. Notice is hereby given of a joint public participation process in terms of the following, as amended: National Environmental Management Act, 1998 (Act No. 107 of 1998), (NEMA); National Environmental Management: Waste Act (Act No. 59 of 2008)(NEM:WA); National Heritage Resources Act, 1999 (Act No. 25 of 1999) (NHRA); and National Water Act, 1998 (Act No. 36 of 1998) (NWA). Request for the relevant Competent Authority to define or adopt a Maintenance Management Plan for a watercourse in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998), Environmental Impact Assessment Regulations, 2014 (as amended) will also be included. Attached please find further information relating to the proposed project: Proposed Expansion of Cape Winelands Airport (DEA&DP ref: 16/3/3/2/A5/20/2046/24). Please also refer to the PHS Consulting Website <https://phsconsulting.co.za/proposed-expansion-of-cape-winelands-airport/> for the In-Process Draft Environmental Impact Assessment Report, Water Use License Technical Report, Waste Management Plan, Maintenance Management Plan and supporting documents.

NOTICE IS ALSO GIVEN OF A PUBLIC OPEN DAY ON 20 NOVEMBER 2024 AT GOEDGELEVEN VENUE, KLIPHEUWEL RD, DURBANVILLE FROM 14H00 TO 20H00.

4. Comments received from SACAA during the Pre-Application Phase

4.1. Email Communication received 6 December 2023

olivia@phsconsulting.co.za

From: amanda@phsconsulting.co.za
Sent: Wednesday, 06 December 2023 14:03
To: olivia@phsconsulting.co.za
Subject: FW: Proposed Expansion of Cape Winelands Airport - Draft Pre-application Scoping report for Public Participation (DEA&DP ref: 16/3/3/6/7/2/A5/20/2209/23)
Attachments: SACAA Comments-Proposed Expansion of Cape Winelands Airport 05122023.pdf

From: Evelyn Shogole <ShogoleE@caa.co.za>
Sent: Wednesday, December 6, 2023 12:33 PM
To: amanda@phsconsulting.co.za
Cc: amanda@phsconsulting.co.za; Nomsa Mojela <MojeleN@caa.co.za>; Nrateng Mashiloane <MashiloaneN@caa.co.za>
Subject: RE: Proposed Expansion of Cape Winelands Airport - Draft Pre-application Scoping report for Public Participation (DEA&DP ref: 16/3/3/6/7/2/A5/20/2209/23)

Dear Amanda,

Please find attached comments for your attention.

Regards,

Evelyn Shogole

Aviation Environmental Compliance Specialist (SACNASP: Cert.Sci.Nat-117759, SAGC: GTc GiSc 2101)
Aviation Safety Infrastructure (ASI)- Aviation Environmental Compliance
Cell: +27 83 451 2663 | Email: shogolee@caa.co.za | www.caa.co.za

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WEBSITE https://www.thehotline.co.za/report (Use reference number to report)		
VUVUZELA Download the Vuvuzela Hotline mobile application from Google Play Store (Use reference number to report)		

www.caa.co.za @SACAA @OfficialSACAA OfficialSACAA South African Civil Aviation Authority – SACAA

From: amanda@phsconsulting.co.za <amanda@phsconsulting.co.za>
Sent: Tuesday, November 7, 2023 4:39 PM
To: amanda@phsconsulting.co.za
Subject: Proposed Expansion of Cape Winelands Airport - Draft Pre-application Scoping report for Public Participation (DEA&DP ref: 16/3/3/6/7/2/A5/20/2209/23)

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Good afternoon

A One Environmental Management System application for a Scoping / EIA Process is being undertaken for the project:
Proposed Expansion of Cape Winelands Airport.

Notice is hereby given of a joint **public participation process** in terms of the following, as amended: National Environmental Management Act, 1998 (Act No. 107 of 1998), (NEMA); National Environmental Management: Waste Act (Act No. 59 of 2008)(NEM:WA); National Environmental Management: Air Quality Act (Act No. 39 of 2004) (NEM:AQA); National Heritage Resources Act, 1999 (Act No. 25 of 1999) (NHRA); and National Water Act, 1998 (Act No. 36 of 1998) (NWA).

Attached please find further information relating to the proposed project: **Proposed Expansion of Cape Winelands Airport (DEA&DP ref: 16/3/3/6/7/2/A5/20/2209/23) (DWS Ref No: WU33620)**.
Please also refer to the PHS Consulting Website <https://phsconsulting.co.za> for the draft Pre-Application Scoping Report.

You are hereby advised, in terms of Section 24O(2) and (3) of the National Environmental Management Act, that you have **30 days** to provide us with comment, up to and inclusive of **8 December 2023**.

Best wishes

Amanda Fritz-Whyte
BSc; BSc (Hons) Geology; MSc Water Resource Management
Fellow Member WISA
Member IAIA
Registered Environmental Assessment Practitioner: Number 2019/367 (EAPASA)
Pri.Sci.Nat (118385)

PHS Consulting
Environmental, Heritage, Eco-Tourism and Land-Use
cell: 082 327 2100
landline: 028 312 1734
fax: 086 508 3249
Big Bay Office
Company postal address: PO Box 1752, Hermanus, 7200
amanda@phsconsulting.co.za
www.phsconsulting.co.za
Corporate responsibility: www.africanvisionfoundation.co.za

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4.2. Letter Comments received via email on 6 December 2023

 SOUTH AFRICAN CIVIL AVIATION AUTHORITY	Physical Address: Ikhaya Lokundiza Treur Close Waterfall Park Bekker Street Midrand	Postal Address: Private Bag X 73 Halfway House 1685	Telephone Number: +27 0860 267 435 Fax Number: +27 11 545 1465	E-mail Address: mail@caa.co.za Website Address: www.caa.co.za	Southern Region Office: PO Box 174 Cape Town International Airpc Tel. Number: +27 21 934 4744 Fax Number: +27 21 934 1326
	<hr/>				

Aviation Environmental Compliance
Tel No: +27 11 545 1199
Email: environment@caa.co.za
Enquiries: Ms. Evelyn Shogole

06 December 2023

PHS Consulting
Environmental, Heritage, Eco-Tourism and Land-Use
PO Box 1752,
Hermanus,
7200,
South Africa
Attention: Amanda Fritz-Whyte and Paul Slabbert

Dear Sir/ Madam

RE: AVIATION ENVIRONMENTAL PROTECTION COMMENTS ON THE PROPOSED EXPANSIONS OF CAPE WINELANDS AIRPORT.

We acknowledge receipt of email dated 07 November 2023. The South African Civil Aviation Authority (CAA) is an agency of the Department of Transport (DoT). The Civil Aviation Act 13 of 2009 provides for the establishment of the CAA as a stand-alone authority mandated with controlling, promoting, regulating, supporting, developing, enforcing and continuously improving levels of safety and security throughout the civil aviation industry. The CAA exercises this mandate through the Civil Aviation Regulations (CARs).

Please see our comments below:

The screening tools indicates that the proposed development has high sensitivity toward civil aviation which may have major/negative impacts to aviation infrastructure and activities within the airport. Kindly note that Cape Winelands Airport is licenced under Part 139 and therefore prior to the commencement of the expansion the SACAA processes must be followed for upgrading the current aerodrome licence. The information can be access on <http://www.caa.co.za> under Airports.

1. Runway Operations

It must be note that the surface of the runway must be maintained in a condition such as to prevent formation of harmful irregularities. Under the CARs when there is a reason to believe that drainage characteristics for either the whole runway or a portion thereof are poor due to slopes or depressions, the runway must be assessed under natural or simulated conditions which are representative of local precipitation conditions and that corrective maintenance action are taken (CAR Part 139.02.23).

2. Projected Future Aircraft Noise/ Emissions Complaints

It must be noted that an increase in aircraft (aircraft and helicopter) movement within the area may result in noise complaints from residents who residing in close proximity to the proposed site. Under the CARs, the holder of an aerodrome license must be responsible for handling aircraft noise complaints related to the aerodrome (CAR Part 139.02.23).

Board Members: Mr Ernest Khosa (Chairperson); Mr Suren Sooklal; Ms Bulelwa Koyana;
Ms Tshitshi Phewa; Adv Mpati Lebakeng and Mr Tshepo Peege
DCA: Ms Poppy Khoza; Company Secretary: Ms Nivashnee Naraindath

SOUTH AFRICAN



**CIVIL AVIATION
AUTHORITY**

Physical Address:

Ikhaya Lokundiza
Treur Close
Waterfall Park
Bekker Street
Midrand

Postal Address:

Private Bag X 73
Halfway House
1685

Telephone

Number:
+27 0860 267 435

Fax Number:

+27 11 545 1465

E-mail Address:

mail@caa.co.za

Website Address:

www.caa.co.za

Southern Region

Office:

PO Box 174
Cape Town
International Airpc

Tel. Number:

+27 21 934 4744

Fax Number:

+27 21 934 1326

3. Environmental Incident Management

In the event of any environmental incident and damage, a responsible person must report it to the relevant authority (CAR Part 34.03.1).

Please do not hesitate to contact our office for any clarifications.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'Shogole'.

Ms. Evelyn Shogole
Aviation Environmental Compliance Department

Board Members: Mr Ernest Khosa (Chairperson); Mr Suren Sooklal; Ms Bulelwa Koyana;
Ms Tshitshi Phewa; Adv Mpati Lebakeng and Mr Tshepo Peege
DCA: Ms Poppy Khoza; Company Secretary: Ms Nivashnee Naraindath

5. Comments received from SACAA during the Scoping Phase

5.1. Email Communication received 6 August 2024

olivia@phsconsulting.co.za

From: Pamela Madondo <MadondoP@caa.co.za>
Sent: Tuesday, 06 August 2024 14:30
To: amanda@phsconsulting.co.za; olivia@phsconsulting.co.za
Cc: Nrateng Mashiloane; Evelyn Shogole
Subject: RE: Proposed Expansion of Cape Winelands Airport - In-process Scoping report for Public Participation (DEA&DP ref: 16/3/3/6/7/2/A5/20/2209/23)
Attachments: SACAA Comments-Proposed Expansion of Cape Winelands Airport 05082024.pdf

Good day,

Kindly find attached comments from the South African Civil Aviation Authority for the proposed expansion of the Cape Winelands Airport.

Kind regards,

Pamela Madondo
Environment Compliance Specialist
Aviation Environmental Protection
Office: +27115451034 | Cell: 0675971961 | Email: MadondoP@caa.co.za | www.caa.co.za

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Report fraud and corruption: 0800 204 911 | sacaa@thehotline.co.za | SMS: 30916

From: amanda@phsconsulting.co.za <amanda@phsconsulting.co.za>
Sent: Tuesday, July 23, 2024 1:59 PM
Cc: olivia@phsconsulting.co.za
Subject: Proposed Expansion of Cape Winelands Airport - In-process Scoping report for Public Participation (DEA&DP ref: 16/3/3/6/7/2/A5/20/2209/23)

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Good afternoon

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Attached please find further information relating to the proposed project: Proposed Expansion of Cape Winelands Airport (DEA&DP ref: 16/3/3/6/7/2/A5/20/2209/23).
Please also refer to the PHS Consulting Website <https://phsconsulting.co.za> for the draft in-process Scoping Report.

You are hereby advised, in terms of Section 24O(2) and (3) of the National Environmental Management Act, that you have **30 days** to provide us with comment, up to and inclusive of **26 August 2024**.

Best wishes

1

Amanda Fritz-Whyte
BSc; BSc (Hons) Geology; MSc Water Resource Management
Fellow Member WISA
Member IAIAsa
Registered Environmental Assessment Practitioner: Number 2019/367 (EAPASA)
Pri.Sci.Nat (118385)

PHS Consulting
Environmental, Heritage, Eco-Tourism and Land-Use
cell: 082 327 2100
landline: 028 312 1734
fax: 086 508 3249
Paarl Office
Company postal address: PO Box 1752, Hermanus, 7200
amanda@phsconsulting.co.za
www.phsconsulting.co.za
Corporate responsibility: www.africanvisionfoundation.co.za

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5.2. Letter Comments received via email on 6 August 2024

SOUTH AFRICAN



**CIVIL AVIATION
AUTHORITY**

Physical Address:

Ikhaya Lokundiza
Treur Close
Waterfall Park
Bekker Street
Midrand

Postal Address:

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1685

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Number:
+27 0860 267 435

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www.caa.co.za

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PO Box 174
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+27 21 934 1326

Aviation Environmental Compliance
Tel No: +27 11 545 1199
Email: environment@caa.co.za
Enquiries: Ms. Pamela Madondo

05 August 2024

PHS Consulting (PHS)

Attention: Amanda Fritz-Whyte

Dear Sir/ Madam

RE: AVIATION ENVIRONMENTAL PROTECTION COMMENTS ON THE PROPOSED EXPANSIONS OF CAPE WINELANDS AIRPORT.

We acknowledge receipt of email dated 07 November 2023. The South African Civil Aviation Authority (CAA) is an agency of the Department of Transport (DoT). The Civil Aviation Act 13 of 2009 provides for the establishment of the CAA as a stand-alone authority mandated with controlling, promoting, regulating, supporting, developing, enforcing and continuously improving levels of safety and security throughout the civil aviation industry. The CAA exercises this mandate through the Civil Aviation Regulations (CARs).

The screening tools indicates that the proposed development has high sensitivity toward civil aviation which may have major/negative impacts to aviation infrastructure and activities within the airport.

Please see our comments below:

1. Biodiversity impacts

It must be noted that in future aircraft movement and operation will have an impact on birds and/or wildlife can augment the number of aircraft bird/wildlife strikes. Under the CARs the holder of the aerodrome license must assign trained personnel accountable for developing and implementing the bird/wildlife strike prevention programme (CAR Part 139.02.19)

2. Maintenance programme

In future the aerodrome license holder must ensure that the surfaces of all movement areas including pavements with runways, taxiways, and aprons and adjacent areas are inspected and their conditions monitored regularly as part of an aerodrome preventive and corrective maintenance programme (CAR Part 139.02.23)

3. Projected Future Aircraft Noise/ Emissions Complaints

It must be noted that the increase capacity of aircraft movement may result in noise complaints from residents who will be residing in close proximity to the proposed site. Under the CARs, the holder of an aerodrome license must be responsible for handling aircraft noise complaints related to the aerodrome (CAR Part 139.02.23).

Board Members: Mr Ernest Khosa (Chairperson); Mr Suren Sooklal; Ms Bulelwa Koyana;
Ms Tshitshi Phewa; Adv Mpati Lebakeng and Mr Tshepo Peege
DCA: Ms Poppy Khoza; Company Secretary: Ms Nivashnee Naraindath

SOUTH AFRICAN



**CIVIL AVIATION
AUTHORITY**

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Treur Close
Waterfall Park
Bekker Street
Midrand

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Private Bag X 73
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Number:
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E-mail Address:

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Website Address:

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**Southern Region
Office:**

PO Box 174
Cape Town
International Airpc
Tel. Number:
+27 21 934 4744
Fax Number:
+27 21 934 1326

Please do not hesitate to contact our office for any clarifications.

Yours sincerely,

Ms. Pamela Madondo
Aviation Environmental Compliance Department

Board Members: Mr Ernest Khosa (Chairperson); Mr Suren Sooklal; Ms Bulelwa Koyana;
Ms Tshitshi Phewa; Adv Mpati Lebakeng and Mr Tshepo Peege
DCA: Ms Poppy Khoza; Company Secretary: Ms Nivashnee Naraindath

Appendix C – Consultation between Cape Winelands Airport and SACAA

Mark Wilkinson

Director

Cape Winlands Airport

mark@capewinlands.aero

25 February 2025

Jody Appollis

Airport Engineer & Project Manager

Netherlands Airport Consultants (NACO)

jody.appollis@rhdhv.com

Building No. 5 Country Club Estate

21 Woodlands Drive, Woodmead 2191

RE: CONSULTATION BETWEEN CAPE WINELANDS AIRPORT AND THE SOUTH AFRICAN CIVIL AVIATION AUTHORITY REGARDING THE CIVIL AVIATION COMPLIANCE STATEMENT APPLICABLE FOR ENVIRONMENTAL IMPACT ASSESSMENTS

Dear Jody,

The above subject matter refers. I would like to highlight and summarize the formal engagements that have taken place between Cape Winlands Airport (CWA) and the Civil Aviation Authority (CAA) regarding the CAA's comment on whether or not the proposed CWA development will have an unacceptable impact on aviation installations, as required in a Civil Aviation Compliance Statement pertaining to environmental approval applications. I would also like to emphasize that CWA is already a licensed aerodrome, and thus is in fact already an aviation installation in its own right.

The following key engagements were held on this matter:

1. Virtual call between CWA and CAA on 5 September 2024
2. Emails between CWA and CAA on 24 October 2024
3. Emails between CWA and CAA on 21 January 2025

It is our view that sufficient guidance has been received from the CAA to conclude that the CAA is not aware of any unacceptable impact on aviation installations as a result of the proposed CWA development at this point in time, however the CAA will be investigating this matter further during their own **normal aerodrome certification and licensing processes** once CWA has progressed its infrastructure plans, and which is to begin imminently.

These are expanded on below.

1. Virtual Call between CWA and the CAA

Date	5 September 2024
Time	13:00
Subject	Request for Meeting to Discuss Requirements for Issuing a Civil Aviation Compliance Statement
For CAA	Evelyn Shogole – Environmental Compliance Specialist Gawie Bestbier – Executive: Aviation Safety Infrastructure Nelson Nkabiti – Snr Manager: Aerodrome & Facilities Pamela Madondo – Environmental Compliance Specialist
For CWA	Hein Reid – Airspace Lead Kobus Nel – Technical Lead Mark Wilkinson – Director
For PHS Consulting	Paul Slabbert – Environmental Consultant

Summary of discussion:

- The CAA has already commented on the EIA as an interested and affected party whereby it was instructed that CWA should adhere to aviation regulations as it relates to airport infrastructure developments and operations.
- The CAA will inspect the acceptability of CWA's planned infrastructure as part of the normal aerodrome licensing and certification process that is still to be undertaken by CWA. The nature of the aerodrome licensing process is such that it is separate from the formal EIA process as the CAA is the competent authority as it relates to aerodrome certification.

2. Email between CWA and the CAA – Annexure 1

Date	24 October 2024
Between	Hein Reid (CWA) and Pamela Madondo (CAA)
Email Subject	RE: Guidance on SACAA Requirements for Issuance of a Letter of No Objection for CWA

Summary of discussion:

- CWA sought guidance from the CAA regarding the requirements for the CAA to issue a letter of no rejection described in the Civil Aviation Protocol.
- The CAA confirmed it had already submitted comments on the EIA as it is a registered interested and affected party. The comments emphasised the need to ensure compliance with aviation regulations, to be assessed in the normal aerodrome certification and licensing process.
- Regarding an obstacle assessment, the CAA also referred the matter to ATNS (Air Traffic Navigation Services), the airspace regulator. The first phase of this assessment had already been performed by ATNS with the final assessment, with the conclusion of this report due once the development is complete.
- CAA Environmental Compliance Department confirmed it had no further requirements than what was previously commented.

3. Email between CWA and the CAA – Annexure 2

Date	21 January 2025
Between	Hein Reid (CWA) and Pamela Madondo (CAA)
Email Subject	RE: Guidance on SACAA Requirements for Issuance of a Letter of No Objection for CWA

Summary of discussion:

- The CAA acknowledged that the Obstacle Assessment has already been performed by CWA and that the next step in their assessment of the airport plans will be to initiate the aerodrome certification process.
- The CAA provided guidance around the next steps in the certification process, including who to contact.

Conclusion

After numerous engagements with the CAA, CWA is comfortable that there are no indicators that the proposed Cape Winlands Airport development will have an unacceptable impact on civil aviation installations at this point, noting that it itself is already an aviation installation, and noting further that the CAA will be assessing the development plans for compliance with aviation regulations in more detail during the separate formal aerodrome certification and licensing process, as a next step. This next step will be initiated imminently.

Please contact me should you require any further information.

Sincerely,



Mark Wilkinson

ANNEXURE 1

From: [Hein Reid](#)
To: [Paul Slabbert](#)
Cc: [Amanda Fritz-Whyte](#)
Subject: Fwd: Guidance on SACAA Requirements for Issuance of a Letter of No Objection for CWA
Date: Tuesday, 11 February 2025 12:23:51
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)
[image006.png](#)

Hello Paul

Your email of this morning refers.

Please see below an email from SACAA DD 24 October 2024.

I will forward the other emails as wel.

Regards

Hein

Begin forwarded message:






From: Pamela Madondo <MadondoP@caa.co.za>
Subject: RE: Guidance on SACAA Requirements for Issuance of a Letter of No Objection for CWA
Date: 24 October 2024 at 21:09:09 SAST
To: Hein Reid <hein@capewinelands.aero>
Cc: Nrateng Mashiloane <MashiloaneN@caa.co.za>, Evelyn Shogole <ShogoleE@caa.co.za>

Good day Hein,

I can only confirm that the **Environmental Compliance Department** does not currently require any measure beyond what was stipulated in the response which was provided. You will further need to engage other departments within SACAA to determine any other mitigation measure they require.

Kind regards,

Pamela Madondo
Environment Compliance Specialist
Aviation Environmental Protection
Office: [+27115451034](#) | **Cell:** [0675971961](#) | **Email:** [MadondoP@caa.co.za](#) | [www.caa.co.za](#)

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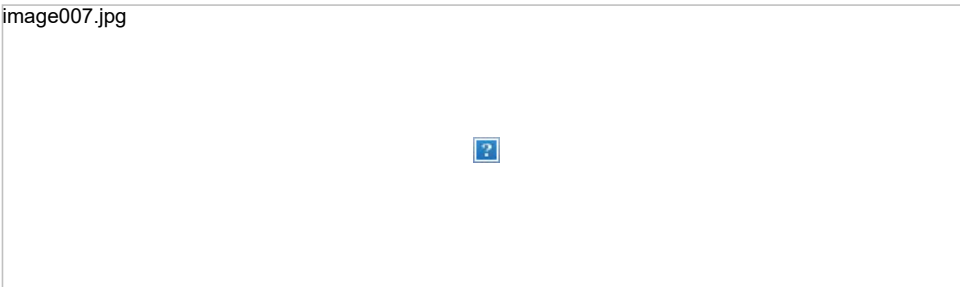
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From: Hein Reid <hein@capewineland.aero>

Sent: Thursday, October 24, 2024 3:42 PM

To: Pamela Madondo <MadondoP@caa.co.za>

Cc: Nrateng Mashiloane <MashiloaneN@caa.co.za>; Evelyn Shogole <ShogoleE@caa.co.za>

Subject: Re: Guidance on SACAA Requirements for Issuance of a Letter of No Objection for CWA

"This message was sent from outside of SACAA. Please use caution when opening links and/ or attachments"

Dear Ms Madondo

I hope this email finds you well.

Thank you for providing the comments from the SACAA environmental department. In response to your request to fulfil part 2.3.4a, please find attached the Obstacle Limitation Surfaces (OLS) report from Air Traffic and Navigation Services (ATNS).

The attached OLS report identifies several obstacles, and the assessment concludes that the obstacles listed are not clear of Annex 14 surfaces. These obstacles will need to be addressed in accordance with the requirements for Annex 14 Lighting and Markings.

Additionally, could you kindly confirm if the SACAA requires any further mitigation measures beyond what is outlined in the OLS report?

Should you have any further questions or require additional clarification, please don't hesitate to reach out.

Kind regards,

Hein Reid

On 24 Oct 2024, at 14:54, Pamela Madondo <MadondoP@caa.co.za> wrote:

Good day Hein,

I trust that you are well. Comments from the SACAA environmental department were submitted, please see attached.

To fulfil part 2.3.4a kindly reach out to the Air Traffic and Navigation Services (ATNS), as they are responsible for obstacle assessment and can provide the way forward.

Kind regards,

Pamela Madondo

Aviation Environmental Compliance Specialist

Aviation Environmental Protection

Office: +27115451034 | **Cell:** 0675971961 | **Email:** MadondoP@caa.co.za | www.caa.co.za

Follow us on: [!\[\]\(05be7c7a8995decd503647c99211f7c2_img.jpg\)](#) [!\[\]\(16cd6e1a39784ecf52b4db09f4865f40_img.jpg\)](#) [!\[\]\(64f85e895c86bd992221df2da6f33c1f_img.jpg\)](#) [!\[\]\(a60e44a6ea673209b24ab1016c50184b_img.jpg\)](#) [!\[\]\(112e9b265c82c58da0f0ab95fe70ecde_img.jpg\)](#)

Subscribe to: [!\[\]\(aa53ad6fea213b8b2226d3077e30533a_img.jpg\)](#)

[!\[\]\(dd161862f9164df98f62b726e9846241_img.jpg\)](#)

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From: Hein Reid <hein@capewinelands.aero>

Sent: Thursday, October 24, 2024 10:07 AM

To: Evelyn Shogole <ShogoleE@caa.co.za>

Subject: Guidance on SACAA Requirements for Issuance of a Letter of No Objection for CWA

"This message was sent from outside of SACAA. Please use caution when opening links and/ or attachments"

Dear Ms Shogole,

I hope this message finds you well.

I am currently supporting the environmental impact assessment for the Cape Winelands Airport project, and I would like to seek your guidance regarding the requirements for the South African Civil Aviation Authority (SACAA) to issue a letter of no objection, as described in the attached Civil Aviation Protocol.

Our consultant will be issuing the Civil Aviation Compliance Statement, but in terms of PROTOCOL FOR THE SPECIALIST ASSESSMENT AND MINIMUM REPORT CONTENT REQUIREMENTS FOR ENVIRONMENTAL IMPACTS ON CIVIL AVIATION INSTALLATIONS, DD 20 March 2020 Government Notice 320 it **requires:**

Par 2.3.4 a comment, in writing, from the South African Civil Aviation Authority (SACAA), which may include inputs from the Obstacle Evaluation Committee (OEC), if appropriate, confirming no unacceptable impact on civil aviation installations; and
Par 2.3.5. should the comment from the SACAA indicate the need for further assessment, a copy of the

assessment report and mitigation measures is to be attached to the compliance statement and incorporated into the Basic Assessment Report or Environmental Impact Assessment Report with mitigation and monitoring measures identified included in the EMPr. The assessment must be in accordance with the requirements stipulated by the SACAA.

This is our first time engaging in this capacity, and I want to ensure that we meet all necessary criteria for compliance. Could you kindly provide any details or clarifications regarding the specific information or assessments required by SACAA to issue this letter of no unacceptable impact?

If any additional documents, assessments, or consultations are needed, I would greatly appreciate your advice on how best to proceed.

Thank you for your time and assistance. I look forward to your guidance.

Best regards,

Hein Reid
Airspace Lead
Cape Winelands Airport

071 640 8463

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ANNEXURE 2

From: [Hein Reid](#)
To: [Paul Slabbert](#)
Cc: [Amanda Fritz-Whyte](#)
Subject: Fwd: Guidance on SACAA Requirements for Issuance of a Letter of No Objection for CWA
Date: Tuesday, 11 February 2025 12:24:53
Attachments: [image001.png](#)
[Untitled attachment 00217.htm](#)
[image002.png](#)
[Untitled attachment 00220.htm](#)
[image003.png](#)
[Untitled attachment 00223.htm](#)
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[Untitled attachment 00244.htm](#)
[Untitled attachment 00247.htm](#)
[Untitled attachment 00250.htm](#)
[Untitled attachment 00253.htm](#)
[image009.jpg](#)
[Untitled attachment 00256.htm](#)
[RE Request for Meeting to Discuss Requirements for Issuing a Civil Avia... \(356 MB\).msg](#)
[Untitled attachment 00261.htm](#)

Hello Paul

Email 2 below

Regards

Hein

Begin forwarded message:

From: Pamela Madondo <MadondoP@caa.co.za>
Subject: RE: Guidance on SACAA Requirements for Issuance of a Letter of No Objection for CWA
Date: 21 January 2025 at 12:56:59 SAST
To: Hein Reid <hein@capewineland.aero>
Cc: Nrateng Mashiloane <MashiloaneN@caa.co.za>, Evelyn Shogole <ShogoleE@caa.co.za>, Johan Kruger <j.kruger@capewineland.aero>

Good day Hein,

I trust that you are well.

I would like to refer you to the attached email, which provides details regarding the next steps for the certification process. As discussed during the meeting, once you have submitted your documentation to the Department of Forestry, Fisheries, and the Environment (DFFE) and conducted the obstacle assessment (which you have) and are ready, you will need to initiate the certification process. The steps involved are outlined in the attached email.

Once you begin these processes, any additional required documents will be highlighted to you to ensure a smooth progression.

To initiate this process kindly email :

Nomsa Mojela

Acting Senior Manager : Senior Manager: Aerodromes and Facilities

Email: Mojelan@caa.co.za

Victress Mashava : Manager: Aerodrome Operations

mashavav@caa.co.za

kind regards,

Pamela Madondo

Environment Compliance Specialist

Aviation Environmental Protection

Office: [+27115451034](tel:+27115451034) | **Cell:** [0675971961](tel:0675971961) | **Email:** MadondoP@caa.co.za
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