

ECC-00485

**WALVIS BAY ENGEN BULK FUEL STORAGE FACILITY
ENVIRONMENTAL MONITORING SUMMARY REPORT 2020 - 2023**




Compiled by:



Compiled for:



September 2023

Project	Walvis Bay Engen Bulk Fuel Storage Facility: Environmental Monitoring Summary Report 2020 - 2023	
Report Version/Date	Final September 2023	
Prepared for:	Engen Namibia (Pty) Ltd P.O. Box 201 Windhoek Namibia	
Lead Consultant	Geo Pollution Technologies (Pty) Ltd PO Box 11073 Windhoek Namibia	TEL.: (+264-61) 257411 FAX.: (+264) 88626368
Main Project Team	André Faul B.Sc. (Zoology/Biochemistry); B.Sc. (Hons) Zoology; M.Sc. (Conservation Ecology); Ph.D. (Medical Bioscience) Pierre Botha B.Sc. (Geology/Geography); B.Sc. (Hons) (Hydrology/Hydrogeology)	
Cite this document as	Faul A, Botha P. 2023. Walvis Bay Engen Bulk Fuel Storage Facility: Environmental Monitoring Summary Report 2020 - 2023	
Copyright	Copyright on this document is reserved. No part of this document may be utilised without the written permission of Geo Pollution Technologies (Pty) Ltd.	
Report Approval	 André Faul Conservation Ecologist	

I Eduard Fourie, acting as a representative of Engen Namibia (Pty) Ltd hereby confirm that I approve the Environmental Monitoring Report as presented in this document. All material information in the possession of the proponent that reasonably has or may have bearing on the report was provided to the consultant.

Signed at Walvis Bay on the 13 day of September 2023.


 CY/1976/3107
 Engen Namibia (Pty) Ltd Company Registration Number

TABLE OF CONTENTS

1	INTRODUCTION	1
2	PLANNING PHASE	1
2.1	COMPLIANCE.....	1
2.2	APPOINTMENTS	1
2.3	MANAGEMENT	1
2.4	RESTORATION FUND/INSURANCE.....	1
3	OPERATIONAL PHASE	1
3.1	SKILLS, TECHNOLOGY & DEVELOPMENT	1
3.2	HIV/AIDS	1
3.3	EMPLOYMENT	1
3.4	TRAFFIC	2
3.5	FIRE.....	2
3.6	HEALTH, SAFETY AND SECURITY	2
3.7	AIR QUALITY	2
3.8	NOISE.....	2
3.9	WASTE	2
3.10	FAUNA AND FLORA	2
3.11	VISUAL.....	2
3.12	GROUNDWATER, SURFACE WATER AND SOIL CONTAMINATION.....	2
4	MAINTENANCE PHASE.....	2
5	DECOMMISSIONING PHASE	2
6	CONCLUSION.....	3

LIST OF APPENDICES

APPENDIX A:	ENVIRONMENTAL CLEARANCE CERTIFICATE	4
APPENDIX B:	PETROLEUM PRODUCTS WHOLESALE LICENCE.....	6

1 INTRODUCTION

Engen Namibia (Pty) Ltd obtained an environmental clearance certificate (ECC-00485) (Appendix A) for the continued operations of the Engen Walvis Bay bulk fuel storage facility situated in John Ovenstone Street, Walvis Bay. Normal operations associated with a bulk fuel storage facility continued throughout the period of validity of the environmental clearance certificate (Jan 2020 to Jan 2023). This mainly involved the receipt of bulk fuel from tanker ships, storage of fuel in aboveground bulk storage tanks, and the dispensing of fuel to rail tank cars and tanker trucks for nationwide distribution.

This report provides a summary of all monitoring results for the period January 2020 to August 2023.

2 PLANNING PHASE

The following planning phase results are based on the requirements of the EMP.

2.1 Compliance

The existing environmental clearance certificate is attached in Appendix A. It is in the process of being renewed.

The existing wholesale licence is attached in Appendix B.

2.2 Appointments

All employment contracts (employees and contractors) are available on file.

2.3 Management

The appointed terminal manager at the facility is Eduard Fourie. The Health, Safety, Environmental and Security (HSES) representative is Gavin Shivute. The group HSEQ manager is Nambata Ulenga.

- ◆ Environmental impact assessment and environmental management plan documents are on file and present at the facility.
- ◆ All personal protective equipment (PPE) requirements are stipulated to contractors and personnel entering the site and displayed throughout the site. Visitors to the site undergo induction which also include PPE requirements.
- ◆ All contractors and employee contracts are on file with human resources.
- ◆ Contact details of all emergency services available and displayed on site as part of the emergency response plan.
- ◆ The site adheres to South African Nation Standards (SANS) for the petroleum industry.

2.4 Restoration Fund/Insurance

Insurance for spill clean-up lies with Engen Namibia.

3 OPERATIONAL PHASE

The following operational phase monitoring are based on the requirements of the EMP.

3.1 Skills, Technology & Development

Ongoing in-service training and skills development of employees takes place. Training related to health, environment, safety and quality (HSEQ) included fire fighting, first aid, health & safety representative training and internal HSE courses (permit to work, STOP, etc.).

3.2 HIV/AIDS

HIV/AIDS awareness talks are conducted as part of weekly toolbox talks with contractors and employees.

3.3 Employment

The bulk fuel storage facility employs only Namibians. In total 30 employees, 24 male and six female, are employed.

3.4 Traffic

No traffic related incidents occurred and no complaints were received. On average 1,500 tanker trucks visit the site monthly for fuel receipt and returns. Two hundred and fifty rail tank cars are filled per month for transport of fuel to various depots.

3.5 Fire

No fire related incidents were experienced. All firefighting equipment were tested and serviced regularly. Firefighting drills and training were conducted regularly. Documentation on file at the facility.

3.6 Health, Safety and Security

An up-to-date health and safety file is available on site. Weekly toolbox talks on various topics of health and safety are conducted.

During the period of validity of the ECC some minor incidents of small volume product spillages occurred. The incidents were investigated and corrective action implemented.

Security issues occurred in the form of tanker trucks and rail tank cars not being sealed properly. This increased the risk of theft of fuel. The matter was addressed with G4S, the contracted security company. Regular security audits are performed.

3.7 Air Quality

No air quality related complaints were received.

3.8 Noise

No noise related complaints were received.

3.9 Waste

All domestic waste was discarded at an approved waste disposal facility or through the Municipal waste collection services.

Hazardous waste in the form of water contaminated with hydrocarbons was present. It was discarded at the Municipality of Walvis Bay's approved hazardous waste disposal site. Certificates of safe disposal are available on file.

No waste related complaints were received.

3.10 Fauna and Flora

No extraordinary animal sightings were recorded. Vegetation on site are restricted to a small garden at the offices.

3.11 Visual

No complaints related to visual aesthetics were received.

3.12 Groundwater, Surface Water and Soil Contamination

Minor operational spills occurred within the contained bunded areas. These were all less than 200 litres and thus did not need reporting to the Ministry of Mines and Energy. Spills were cleaned up in terms of in-house the Incident Action Plan for Spills / Loss of Primary Containment. All incidents were investigated and corrective actions implemented.

4 MAINTENANCE PHASE

Regular maintenance is performed on all infrastructure to ensure longevity and to protect the environment from spills or leaks. Tank 384 was completely refurbished. Three road gantry bays and seven rail gantry bays are in the process of being refurbished.

5 DECOMMISSIONING PHASE

Decommissioning of selected infrastructure related to the refurbishment of Tank 384 occurred. Waste produced were discarded at appropriate facilities or recycled where possible.

6 CONCLUSION

For the duration of the validity of the environmental clearance certificate normal operations associated with bulk fuel storage facilities continued. No complaints were received from neighbours or community members during the reporting period. Minor incidents related to product loss occurred, but these were investigated and corrective measures implemented. Operational activities will proceed as normal and the environmental management plan will be followed for environmental monitoring and protection.

Appendix A: Environmental Clearance Certificate

ECC – 00485

Serial No: xuMYvA485



REPUBLIC OF NAMIBIA

MINISTRY OF ENVIRONMENT AND TOURISM

OFFICE OF THE ENVIRONMENTAL COMMISSIONER

ENVIRONMENTAL CLEARANCE CERTIFICATE

ISSUED

In accordance with Section 37(2) of the Environmental Management Act (Act No. 7 of 2007)

TO

Engen Namibia Limited
P.O. Box 201, Windhoek, Mozart Square, Storch Str.

TO UNDERTAKE THE FOLLOWING LISTED ACTIVITY

Operations of the Bulk Fuel Storage Facility for Petroleum Products of Engen Namibia in Walvis Bay Depot, Erongo Region.


DEPUTY ENVIRONMENTAL COMMISSIONER

Issued on the date: 2020-01-20

Expires on this date: 2023-01-20

(See conditions printed over leaf)

This certificate is printed without erasures or alterations



Appendix B: Petroleum Products Wholesale Licence

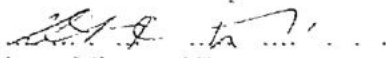
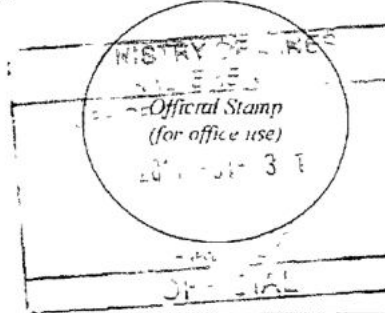


MINISTRY OF MINES AND ENERGY

PETROLEUM PRODUCTS AND ENERGY ACT, 1990
 PETROLEUM PRODUCTS REGULATIONS (2000)

WHOLESALE LICENCE

[Regulation 12(4)]

WHOLESALE LICENCE		Licence No. W/7/2001
Name of licence-holder	Engen Namibia (Pty) Ltd	
Address of licence-holder	Physical Address	Postal address
	North Block Mozart Square Storch Str Windhoek	P O Box 201 Windhoek Namibia
Location of storage facilities (if necessary attach separate page)	Attached Separately	
Conditions applicable to licence <i>See next page for general and special conditions applicable to licence.</i>		
Date of issue of licence	31 January 2011	
Issued by the Minister of Mines and Energy in terms of regulation 12(4). on 31 January 2011 Windhoek		
 Minister Mines and Energy		

CONDITIONS APPLICABLE TO WHOLESALE LICENCE

General Conditions

- 1 *The wholesale licence-holder must at all times comply with the Petroleum Products and Energy Act, the Petroleum Products Regulations (2000) and all other applicable laws, including laws relating to labour, safety, hazardous substances, security, health and environment*
- 2 *The wholesale licence-holder may sell fuel only in bulk quantities*
- 3 *If the wholesale licence-holder sells fuel to any person other than a retail licence-holder, certificate-holder, Government institution, local authority or regional council, the provisions of regulation 8 of the Petroleum Products Regulations (2000), apply with the necessary changes*
- 4 *The sale of fuel to a person referred to in condition 3 may not be made from any other place than from a dispensing point situated at the relevant premises of the wholesaler*
- 5 *All relevant import and export and wholesale sale, of fuel, approvals and permits as required under the Petroleum Products and Energy Act or any other applicable law must be obtained prior to any import into, export from or wholesale sale of fuel in Namibia*
- 6 *The wholesale licence-holder must keep such records and must submit such information to the Minister as are required under the Petroleum Products Regulations (2000)*
- 7 *Petroleum products imported or distributed must comply with approved specifications as made applicable by or under the Petroleum Products Regulations (2000)*
- 8 *The wholesale licence-holder may not abandon storage facilities otherwise than in accordance with the Petroleum Products Regulations (2000)*
- 9 *All applicable duties, levies and taxes must be paid to the relevant authorities and bodies*
- 10 *The wholesale licence-holder must inform the Minister in writing of any changes to be effected to storage facilities prior to effecting such changes*
- 11 *The wholesale licence-holder must inform the Minister as soon as possible of any dangerous situation arising from the conduct of activities authorised under the licence, including the steps taken or proposed to be taken by the licence-holder to rectify such situation or to eliminate or minimise the danger arising from such situation*
- 12 *The wholesale licence-holder must comply with all provisions of the Petroleum Products Regulations relating to petroleum product spills*

Special Conditions.

- 1 *This licence is granted for the importation of 100% of products required by the market until otherwise decided by the Minister*
- 2 *This licence shall become effective as from 1st February 2011.*
3. *The Special Condition attached to the wholesale licence prior to 1st February 2011 is hereby revoked*