

CURRICULUM VITAE (CV)

1. **Position title:** Environmental Assessment Practitioner (EAP)
2. **Family name:** Namene
3. **First names:** Colin Pendapala
4. **Date of birth:** 07/03/1972
5. **Citizenship:** Namibia

6. Education:

Institution [date from-to]	Degree(s) or Diploma(s) obtained:
University of Reading (UK), (2013-2014)	MSc in Environmental Management
University of South Africa (2009 - 2012)	BA in Environmental Management
Human Settlement Management Institute (New Delhi, India), (2007)	Urban Infrastructure Planning and Management (3 Month Short Course)
Polytechnic of Namibia, (2000 – 2003)	National Diploma: Business Computing

7. Language skills: *On a scale of 1 to 5*

Language	Reading	Speaking	Writing
English	5	5	5
Oshiwambo	5	5	5
Afrikaans	5	5	5
Otjiherero	3	3	2

8. Membership of professional bodies:

2024 – Environmental Assessment Professionals of Namibia
 2013 - 2024 Member - Board of Trustees: Green Building Council of Namibia
 2006 - Chairman - Coastal Bulk Water Users Forum

9. Trainings:

- ISO 45001 – Occupational Health and Safety Management Implementation, Windhoek, Namibia
- ISO 14001 – Environmental Management Implementation, Windhoek, Namibia
- ISO 9001 – Quality Management Implementation, Windhoek, Namibia
- Environmental Auditors Training offered by Green Impact, which included practical audits of Reading University buildings.
- 3 month short course in Urban Infrastructure Planning and Management in New Delhi India. Incorporating various themes in urban planning and governance, such as solid waste management; town planning; water; and sanitation

10. Years within the current firm: 9 years

11. Key qualifications:

- Postgraduate environmental management studies
- Experience in environmental management
- Experience in environmental assessments
- Experience in sustainability projects
- Experience in energy efficiency projects
- Long-term experience working in and leading teams
- Experience in project management
- Good presentation and writing skills
- Conduct environmental impact assessments for various projects, including energy, township establishments, mining, oil and gas, commercial developments, medical etc.
- Participated in the Global Environmental Facility (GEF) funded Namibia Energy Efficiency in Buildings project.
- Initiated the participation of Arandis Town Council, as the only local authority, in the establishment of Green Building Council Namibia. Have been appointed a member of the Board of Trustees.
- Served as Chairman of Coastal Bulk Water Users' Forum, that deals with water management issues of the Namibian coastal region. It subsequently motivated me to implement the Arandis Water Management Project to address water losses of over 65% in Arandis town and managed to bring that down to a lower level of 15%. Members included Namport, Rossing mine, Langer Heinrich mine, Arandis Town Council, Walvis Bay Municipality.
- Managing of all infrastructure projects on behalf of Arandis Town Council, this include amongst others:
 - bulk infrastructure services (water, sewer, electricity) for various areas in Arandis Town;
 - construction of the Arandis Puma Service Station;
 - construction of Arandis Open Market
- Maintaining excellent liaison with various role players during environmental assessment projects, such as clients; town planners; Air Quality, Hydrogeological, GIS specialists, etc.

- At Arandis Town Council demonstrated excellent teamwork skills as part of the management team. This was also cascaded down to the team within the division that I managed as evidenced in the outstanding relations I maintained with my peers and subordinates, as well as the elected Councillors.
- High level participation in the establishment and implementation of the Arandis Sustainable Development Project (ASDP), a partnership between the Town Council, Rossing Mine and Rossing Foundation, which crafted the Strategic Plan for the Council. This has managed to draw attention to Arandis Town as a growth centre.

12. Professional experience:

Ref #	Date	Location	Company & reference person ¹ (name & contact details)	Position	Description
1	07/2024	Walvis Bay, Namibia	Client: Municipality of Walvis Bay Contact: Joseph Amushila jamushila@walvisbaycc.org.na EU-funded project	Lead Environmental Assessment Practitioner	<u>APPLICATION FOR AN ENVIRONMENTAL CLEARANCE CERTIFICATE FOR THE PROPOSED CONSTRUCTION, OPERATION, MAINTENANCE AND DECOMMISSIONING OF THE WALVIS BAY INDEPENDENCE BEACH PROMENADE, WALVIS BAY, ERONGO REGION.</u> The Municipality of Walvis Bay in collaboration with the Municipality of Czerwonak, Poland is implementing a project termed "Erongo Sustainable Governance LAB" under the EU program: "Local Authorities Partnership for Sustainable Cities 2021". The Municipality of Walvis Bay, Namibia, will revitalize and refurbish the Independence Beach infrastructure in order to make it more accessible, attractive, sustainable and aligned with the citizens' needs. Activities performed include: Site Investigation and Analysis, Public Consultation, Impact Analysis. Mitigation Formulation, Scoping Report, Environmental Management Plan, Application for Environmental Clearance Certificate (ECC). This project covers the planning and design; construction; operation and decommissioning phases of the development.
2	06/2024	Farm Ongombo West, namibia	Client: Ongombo Mine (Pty) Ltd Contact: Katwali Nambala pa@shaligroup.com	Lead Environmental Assessment Practitioner	<u>ENVIRONMENTAL IMPACT ASSESSMENT FOR THE PROPOSED ONGOMBO MINE COPPER PROJECT (ML240 ON EPL 5772), KHOMAS REGION</u> Ongombo Mine (Pty) Ltd (the proponent) has appointed Environam Consultants Trading (ECT) to conduct an Environmental and Social Impact Assessment (ESIA) for mining of base metals, namely copper, within a proposed Mining Licence (ML 240) located on exclusive prospecting licence 5772 (EPL 5772), near the capital city Windhoek, Khomas Region, Namibia. The Proponent has focused on the development of potential copper projects in Namibia through extensive exploration programmes. The proposed Ongombo Copper Project will be an underground mine with a copper extraction process similar to existing but dormant copper mines in Namibia, for example the Otjihase and Matchless mines. Activities performed include: Site Investigation and Analysis, Public Consultation, Impact Analysis. Mitigation Formulation, Scoping Report, Environmental Management Plan, Application for Environmental Clearance Certificate (ECC). This project covers the planning and design; construction; operation and decommissioning phases of the development.
3	08/2021	Farm Stampried 132, Stampriet, Hardap Region, Namibia	Client: Freshfruit Farming (Pty) Ltd Contact: Christiaan J Gouws skalondor@gmail.com	Lead Environmental Assessment Practitioner	<u>ENVIRONMENTAL CLEARANCE CERTIFICATE FOR THE OPERATIONS OF AN ABATTOIR ON PORTION 808 OF FARM STAMPRIED 132, STAMPRIET, HARDAP REGION</u> FRESH FRUIT FARMING (PTY) LTD obtained Portions 811, 814 and 815 of Farm Stampried 132 to establish a poultry production facility. The facility has four chicken coops that produce 5 000 broiler chicks per coop per cycle, furthermore there are 6 200 layer hens. This is able to contribute to food security but also has the added advantage of creating several job opportunities. In order to add value to the production process FRESH FRUIT FARMING (PTY) LTD has established an abattoir on Portion 808 of Farm Stampried 132. Chicken stock for slaughter is supplied from production facilities on Portions 811, 814 and 815 of the same Farm Stampried 132. Activities performed include: Site Investigation and Analysis, Impact Analysis. Mitigation Formulation, Environmental Management Plan, Application for Environmental Clearance Certificate (ECC). This project covers the operation and decommissioning phases of the development.
4	05/2024	Farm Geluk No.116 and Portion 7 of Farm 58, Walvis Bay, Erongo Region, Namibia	Client: Elof Hansson Hydrogen Namibia (Pty) Ltd Contact: Szacky Nujoma szacky@namenergyholdings.com	Lead Environmental Assessment Practitioner	<u>PROPOSED CONSTRUCTION AND OPERATION OF THE ALKALINE ELECTROLYSIS AND GREEN AMMONIA SYNTHESIS PLANTS, AND ASSOCIATED INFRASTRUCTURE ON THE REMAINDER OF FARM GELUK NO.116 AND PORTION 7 OF FARM 58, WALVIS BAY, ERONGO REGION</u> Elof Hansson Hydrogen Namibia (Pty) Ltd, a company incorporated in Namibia and its strategic partners intends to develop a green hydrogen manufacturing plant in Namibia. The proposed project will be located in Erongo Region with Walvis Bays earmarked as the port of export. Overall, the production of green hydrogen will consist of; (i) a state-of-the-art photovoltaic solar plant that will power the all-production processes, (ii) a seawater desalination plant that will supply distilled water to the electrolysis plant, (iii) an electrolysis plant that will produce hydrogen (iii) an ammonium synthesis that will produce ammonia and ammonia storage facility. Activities performed include: Site Investigation and Analysis, Public Consultation, Impact Analysis. Mitigation Formulation, Scoping Report, Environmental Management Plan, Application for Environmental Clearance Certificate (ECC). This project covers the planning and design; construction; operation and decommissioning phases of the development.
5	01/2024	Hope and Gorob, Namib Naukluft Park, Erongo Region, Namibia	Client: Hope and Gorob Mining (Pty) Ltd Contact: Michael Johnson m.s.johnson1@btinternet.com	Lead Environmental Assessment Practitioner	<u>ENVIRONMENTAL AND SOCIAL IMPACT ASSESSMENT FOR THE PROPOSED HOPE & GOROB MINING PROJECT FOR ML 246 ON EPL 5796 IN THE NAMIB NAUKLUFT NATIONAL PARK, ERONGO REGION</u> The Hope and Gorob mineral deposits are situated on EPL 5796 in the Namib Desert of Namibia within the Swakopmund District, Erongo Region. The capital of Namibia, Windhoek is approximately 250km northeast of the property and Walvis Bay is about 120km northwest of the property. Walvis Bay is the closest town to the property and is the main port city of Namibia. The property has been extensively explored by several companies dating back to the 1970s. In 2020 drilling was carried out to confirm the resource and to re-evaluate the gold contents of the deposit. Recent exploration work conducted in 2021 and 2022 includes more than 2000m of drilling to confirm shallow resource potential and geophysics interpretations. Activities performed include: Site Investigation and Analysis, Public Consultation, Impact Analysis. Mitigation Formulation, Scoping Report, Environmental Management Plan, Application for Environmental Clearance Certificate (ECC). This project covers the planning and design; construction; operation and decommissioning phases of the development.
6	07/2023	Aussenkehr, Kharas Region, Namibia	Client: Destiny Farmers cc Contact: Michael Johnson rtnsurvey@iway.na	Lead Environmental Assessment Practitioner	<u>PROPOSED ESTABLISHMENT OF CROP PRODUCTION FARMING ON PORTIONS 158 & 159 IN AUSSENKEHR, //KHARAS REGION</u> Destiny Farmers cc has commissioned an Environmental Impact Assessment (EIA) for the proposed establishment of Crop Production Farming, construction of associated infrastructure and the provision of water supply for irrigation purposes on Portions 158 & 159 of remainder of Farm Aussenkehr No. 147, in the //Kharas Region. The farming project is aimed at producing table grapes, dates, blue berries and/or tomatoes for local markets as well as for exports to other neighbouring countries. Activities performed include: Site Investigation and Analysis, Public Consultation, Impact Analysis. Mitigation Formulation, Scoping Report, Environmental Management Plan, Application for Environmental Clearance Certificate (ECC). This project covers the planning and design; construction; operation and decommissioning phases of the development.
7	09/2023	Farm Buchow 108, Omaheke Region, Namibia	Client: TerraWatt Africa Holdings (Pty) Ltd Contact: Stefanus Iyambo artifexcc@gmail.com	Lead Environmental Assessment Practitioner	<u>ENVIRONMENTAL IMPACT ASSESSMENT FOR THE CONSTRUCTION OF FARM ASTRA 50MW SOLAR PV POWER PLANT ON FARM BUCHOW 108, OMAHEKE REGION.</u> Namibia is ranked amongst the most politically stable countries in the world and due to the generally arid and dry climate, Namibia is among the top countries in the world with high values of solar radiation and has an average of 3000 hours of sunshine per annum with average long-term GHI solar resource in the access of 2100 kWh/m2. Making solar energy one of the most widely available and sustainable energy sources in Namibia. The above, makes Namibia an ideal renewable energy investment destination. Activities performed include: Site Investigation and Analysis, Public Consultation, Impact Analysis. Mitigation Formulation, Scoping Report, Environmental Management Plan, Application for Environmental Clearance Certificate (ECC). This project covers the planning and design; construction; operation and decommissioning phases of the development.
8	09/20215	Tsandi, Omusati Region, Namibia	Client: Omusati Regional Council Contact: A.P. Andowa apandowa@omusatirc.gov.na	Lead Environmental Assessment Practitioner	<u>ENVIRONMENTAL IMPACT ASSESSMENT AND ENVIRONMENTAL MANAGEMENT PLAN (EMP) FOR THE TOWNSHIP ESTABLISHMENT OF TSANDI EXTENSIONS 2, 4, 5 AND 6.</u> Tsandi is a settlement located in north-central Namibia within the Omusati Region. It is one of the settlements in the region that serves as local administrative centres. As a result, Tsandi is experiencing an increase in its population, which come with the associated increased demand for residential, commercial, and institutional erven. In order to address this challenge, the Omusati Regional Council has made budgetary provision to establish new townships for the Tsandi settlement. It is thus the Regional Council's intention to formalise existing informal settlements and provide additional erven and infrastructure services. The major components involved in this project are the improvement of and design and construction of additional bulk infrastructure namely, water supply, sewerage, electricity and waste management services for the residents. Activities performed include: Site Investigation and Analysis, Public Consultation, Impact Analysis. Mitigation Formulation, Scoping Report, Environmental Management Plan, Application for Environmental Clearance Certificate (ECC). This project covers the planning and design; construction; operation and decommissioning phases of the development.

Ref #	Date	Location	Company & reference person ¹ (name & contact details)	Position	Description
9	11/2015	Helao Nafidi, Ohangwena Region, Namibia	Client: Helao Nafidi Town Council Contact: I. Ipinge i.ipinge@helaonafidi.org	Lead Environmental Assessment Practitioner	<u>ENVIRONMENTAL IMPACT ASSESSMENT AND ENVIRONMENTAL MANAGEMENT PLAN (EMP) FOR THE TOWNSHIP ESTABLISHMENT OF ENGELA OMAFO EXTENSIONS 1, 2, 3, 4, 5, 6, 7, 8 AND 9.</u> Helao Nafidi is a town located in north-central Namibia within the Ohangwena Region. It was created as a merger of several villages and settlements along the B1 road between Oshikango and Ohangwena including Engela-Omafo. Slow and hampered planning has meant that the town does not have readily available erven for residential and commercial use. This scarcity of planned and serviced erven has created several challenges to the town of Helao Nafidi such as the residents having taken it upon themselves to create informal settlements, usually close to the areas with employment and economic opportunities. This has resulted in the proliferation of informal settlements in or near Oshikango without proper urban infrastructure services such as water supply, sewerage, electricity, waste management. The major components involved in this project are the improvement of and design and construction of additional bulk infrastructure namely, water supply, sewerage, electricity and waste management services for the residents. Activities performed include: Site Investigation and Analysis, Public Consultation, Impact Analysis. Mitigation Formulation, Scoping Report, Environmental Management Plan, Application for Environmental Clearance Certificate (ECC). This project covers the planning and design; construction; operation and decommissioning phases of the development.
10	02/2017	Rundu, Kavango-east Region, Namibia	Client: Rundu Town Council Contact: Abraham Abrao Adriano adriano@rundutown.org	Lead Environmental Assessment Practitioner	<u>ENVIRONMENTAL IMPACT ASSESSMENT AND ENVIRONMENTAL MANAGEMENT PLAN (EMP) FOR THE TOWNSHIP ESTABLISHMENT OF KAISOSI EXTENSIONS 12 AND 13; NDAMA EXTENSIONS 14-18; SAUYEMWA EXTENSIONS 10 AND 11</u> Rundu is located in the northeast of Namibia, it is the capital and largest town in the Kavango-east region. It is the town with the second largest population in the country. The town is strategically located and is a gateway that links the port of Walvis Bay with a number of important countries in SADC namely Angola, Zambia, Zimbabwe and Botswana. Slow and hampered town planning has resulted in the inadequate supply of readily available serviced erven for residential and commercial use. This situation has presented a serious challenge to the leadership of the town of Rundu as the residents have taken it upon themselves to set up informal settlements. The informal nature of these settlements has meant that these areas are not provided with the basic service infrastructure in terms of water, sewer, electricity and roads. In an effort to address this situation and to restore dignity to its residents the Rundu Town Council has resolved to formalise a number of informal settlements within the town of Rundu. The major components involved in this project are the improvement of and design and construction of additional bulk infrastructure namely, water supply, sewerage, electricity and waste management services for the residents. Activities performed include: Site Investigation and Analysis, Public Consultation, Impact Analysis. Mitigation Formulation, Scoping Report, Environmental Management Plan, Application for Environmental Clearance Certificate (ECC). This project covers the planning and design; construction; operation and decommissioning phases of the development.
11	08/2015	Henties Bay, Erongo Region	Client: Municipality of Henties Bay Contact: R.S. Ochs CEO@hbaymun.com.na	Lead Environmental Assessment Practitioner	<u>ENVIRONMENTAL IMPACT ASSESSMENT AND ENVIRONMENTAL MANAGEMENT PLAN (EMP) FOR THE TOWNSHIP ESTABLISHMENT OF OMDEL EXTENSION 7 AND HENTIESBAAI EXTENSION 9, HENTIES BAY, ERONGO REGION</u> Henties Bay is located on the west coast of Namibia. The town of Henties Bay is experiencing a major backlog in the provision of decent low-income housing with relevant urban infrastructure services for the poor. It has therefore become high priority for the municipal council to subdivide the Remainder of the Hentiesbaai Townlands into Portion A and Remainder to be able to provide additional erven on Proposed Portion A. This will assist the Municipality in addressing the increasing influx and immigration of residents and households falling within the lower income population sector and to provide them with services such as water, sewerage, electricity, roads and waste management. The major components involved in this project are the improvement of and design and construction of additional bulk infrastructure namely, water supply, sewerage, electricity and waste management services for the residents. Activities performed include: Site Investigation and Analysis, Public Consultation, Impact Analysis. Mitigation Formulation, Scoping Report, Environmental Management Plan, Application for Environmental Clearance Certificate (ECC). This project covers the planning and design; construction; operation and decommissioning phases of the development.
12	04/2016	Helao Nafidi, Ohangwena Region, Namibia	Client: Chloe Investments (Dr Linda Nangombe) Contact: Dr. Linda Nangombe nanlinda@yahoo.com	Lead Environmental Assessment Practitioner	<u>ENVIRONMENTAL IMPACT ASSESSMENT AND ENVIRONMENTAL MANAGEMENT PLAN (EMP) FOR THE CONSTRUCTION OF THE HELAO NAFIDI PRIVATE HOSPITAL</u> As one of the major centres of the Ohangwena Region linked to the imminent growth, both at regional and local level, and also recognising the strategic location of the Helao Nafidi Town a need was identified to expand access to health facilities especially private ones to augment the state facilities and cope with the growing demand. Activities performed include: Site Investigation and Analysis, Public Consultation, Impact Analysis. Mitigation Formulation, Scoping Report, Environmental Management Plan, Application for Environmental Clearance Certificate (ECC). This project covers the planning and design; construction; operation and decommissioning phases of the development.
13	02/2017	Omulunga Extension 9, Grootfontein, Otjozondjupa Region, Namibia	Client: NCCS Investments Holdings Contact: N. Mukuua bokasn@gmail.com	Lead Environmental Assessment Practitioner	<u>ENVIRONMENTAL IMPACT ASSESSMENT AND ENVIRONMENTAL MANAGEMENT PLAN (EMP) FOR THE TOWNSHIP ESTABLISHMENT OF OMULUNGA EXTENSION 9, GROOTFONTEIN, OTJOZONDJUPA REGION</u> Being a large centre and growth point in the region, there is pressure on the Grootfontein local authority to provide basic services such as housing, water, sanitation and energy. In order to speed up the delivery of land under its control, the municipality has resolved to conclude a development agreement with private developers in terms of which funding is sourced and bulk infrastructure services is installed, this allows for a joint marketing and sales of properties to the general populace. The major components involved in this project are the improvement of and design and construction of additional bulk infrastructure namely, water supply, sewerage, electricity and waste management services for the residents. Activities performed include: Site Investigation and Analysis, Public Consultation, Impact Analysis. Mitigation Formulation, Scoping Report, Environmental Management Plan, Application for Environmental Clearance Certificate (ECC). This project covers the planning and design; construction; operation and decommissioning phases of the development.
14	05/2018	Otjinene, Omaheke Region, Namibia	Client: Putwavanga Investments cc Contact: D Mushimba dmushimba@gmail.com	Lead Environmental Assessment Practitioner	<u>ENVIRONMENTAL MANAGEMENT PLAN (EMP) FOR THE PROPOSED NEW FUEL RETAIL FACILITY IN OTJINENE, OMAHEKE REGION</u> Putwavanga Investments cc intends to develop and operate a fuel service station at the village of Otjinene in the Omaheke Region, the development will be known as Okarokape Service Station. Activities performed include: Site Investigation and Analysis, Public Consultation, Impact Analysis. Mitigation Formulation, Scoping Report, Environmental Management Plan, Application for Environmental Clearance Certificate (ECC). This project covers the planning and design; construction; operation and decommissioning phases of the development.
15	11/2018	Mariental, Hardap Region, Namibia	Client: Mariental Medical Practice Contact: B.D. Platt drplatt@mmpnamibial.com	Lead Environmental Assessment Practitioner	<u>ENVIRONMENTAL IMPACT ASSESSMENT AND ENVIRONMENTAL MANAGEMENT PLAN (EMP) FOR THE DAY HOSPITAL ON ERF 53, MARIENTAL, HARDAP REGION</u> Mariental Medical Practice, the proponent, currently operates a medical practice in the town. They have identified an opportunity to extend the medical services available to the Mariental community and surrounds by developing a 12 bed day hospital on Erf 53 Mariental. Activities performed include: Site Investigation and Analysis, Public Consultation, Impact Analysis. Mitigation Formulation, Scoping Report, Environmental Management Plan, Application for Environmental Clearance Certificate (ECC). This project covers the planning and design; construction; operation and decommissioning phases of the development.
16	01/2019	Etaka, Omusati Region, Namibia	Client: Office of the Vice-President: Veterans Affairs Contact: Aino Shiyukifeni Aino.Shiyukifeni.mova.gov.na	Lead Environmental Assessment Practitioner	<u>ENVIRONMENTAL IMPACT ASSESSMENT AND ENVIRONMENTAL MANAGEMENT PLAN (EMP) FOR THE PROPOSED ETAKA RECREATIONAL CENTRE, ETAKA, OMUSATI REGION</u> The Office of the Vice-President: Veterans Affairs, has identified an opportunity to construct a recreational facility and tourism resort at Etaka, in the Omusati Region of Namibia. The project site is located next to the Etaka Dam in the Epalela section of Onesi Constituency. The proceeds from the facilities will mainly benefit the war veterans through the Veterans Fund, however they will not be for the exclusive use of veterans but will attract and be open for use to the general public. Activities performed include: Site Investigation and Analysis, Public Consultation, Impact Analysis. Mitigation Formulation, Scoping Report, Environmental Management Plan, Application for Environmental Clearance Certificate (ECC). This project covers the planning and design; construction; operation and decommissioning phases of the development.
17	04/2019	Walvis Bay, Erongo Region, Namibia	Client: Engen Namibia (Pty) Ltd Contact: Nambata Ulenga Nambata.Ulenga@engenoil.com	Lead Environmental Assessment Practitioner	<u>ENVIRONMENTAL IMPACT ASSESSMENT AND ENVIRONMENTAL MANAGEMENT PLAN (EMP) FOR BACHMUS OIL AND FUEL SUPPLIES, WALVIS BAY</u> Bachmus Oil and Fuel Supplies is a supplier of a variety of oil and fuel products for marine and industrial uses. The site is located along Circumferential Road in the Walvis Bay industrial area. Their product categories include: automotive lubricants, industrial lubricants, marine lubricants, and wholesale diesel. Diesel is sourced from Engen Namibia (Pty) Ltd and stored in tanks of various sizes i.e. 23m3, 83m3, and 44.5m3 with a combined capacity of approximately 150,500 litres. Activities performed include: Site Investigation and Analysis, Impact Analysis. Mitigation Formulation, Environmental Management Plan, Application for Environmental Clearance Certificate (ECC). This project covers the operation and decommissioning phases of the development.

Ref #	Date	Location	Company & reference person ¹ (name & contact details)	Position	Description
18	09/2020	Gobabis, Omaheke Region, Namibia	Client: Kanduu Designing and Construction Contact: B. Mbuere babsybabsy13@gmail.com	Lead Environmental Assessment Practitioner	<u>ENVIRONMENTAL IMPACT ASSESSMENT AND ENVIRONMENTAL MANAGEMENT PLAN (EMP) FOR THE TOWNSHIP ESTABLISHMENT ON PORTION 143 OF GOBABIS TOWN AND TOWNLANDS NO. 114, NOSSOBVILLE, GOBABIS, OMAHEKE REGION</u> Gobabis is the capital of the Omaheke Region, and is situated approximately 200 kilometers from the capital city Windhoek. As the gateway to Botswana and Namibia's major trading partner South Africa, Gobabis' location along the Trans-Kalahari Corridor serves it well, as goods transported from the mines in Botswana to the port of Walvis Bay and those transiting through Botswana from South Africa contribute greatly to the growth of the town. The town lies approximately 110 kilometers from the Buitepos border post. Agriculture is one of the main sources of income in the Omaheke Region. This has led to Gobabis becoming a growth point in the region, and resultantly putting pressure on the local authority to provide basic services such as housing, water, sanitation and energy. The Municipality has resolved to allocate Portion 143 of Gobabis Townlands No. 114 to Kanduu Designing and Construction CC for the establishment of a township. The major components involved in this project are the improvement of and design and construction of additional bulk infrastructure namely, water supply, sewerage, electricity and waste management services for the residents. Activities performed include: Site Investigation and Analysis, Public Consultation, Impact Analysis. Mitigation Formulation, Scoping Report, Environmental Management Plan, Application for Environmental Clearance Certificate (ECC). This project covers the planning and design; construction; operation and decommissioning phases of the development.
19	12/2020	Walvis Bay, Erongo Region, Namibia	Client: Euarestos Asset Management Contact: Cosmos Shaduka cowashi@gmail.com	Lead Environmental Assessment Practitioner	<u>ENVIRONMENTAL IMPACT ASSESSMENT AND ENVIRONMENTAL MANAGEMENT PLAN (EMP) FOR AN 18MW SOLAR POWER PLANT ON LEASE 16 OF FARM 38, WALVIS BAY, ERONGO REGION</u> Namibia is regarded as a net exporter of electricity, local electricity generation is derived from hydropower, coal and diesel burning power stations; however, this is not enough to meet local demand necessitating the country to source the balance, amounting to more than 60%, from other countries within the Southern African region such as Zambia, South Africa, Zimbabwe and Mozambique; of which South Africa's contribution is dominant at 53%. It is against this background that Euarestos Asset Management, the proponent, has embarked on this opportunity to contribute towards energy self-sufficiency and efficiency by constructing an 18MW Solar Power Plant at Farm 38 in town of Walvis Bay in the Erongo Region. Activities performed include: Site Investigation and Analysis, Public Consultation, Impact Analysis. Mitigation Formulation, Scoping Report, Environmental Management Plan, Application for Environmental Clearance Certificate (ECC). This project covers the planning and design; construction; operation and decommissioning phases of the development.
20	06/2020 - Present	Otjiwarongo, Otjozondjupa Region, Namibia	Client: Whale Rock Cement (Pty) Ltd Contact: Immanuel Shilongo immanuelshilongo@hotmail.com	Lead Environmental Assessment Practitioner	<u>ENVIRONMENTAL MONITORING AND EVALUATION FOR WHALE ROCK CEMENT, OTJIWARONGO, OTJOZONDJUPA REGION</u> Whale Rock Cement (Pty) Ltd (WRC) owns and operates a cement production facility on Farm Cleveland situated approximately 3.3 km north of the town of Otjiwarongo. For its clinker production, the cement plant is supported with raw material from a limestone quarry and a clay quarry, about 1.2 km away under the Mining License (ML) No. 146. In compliance with the legal requirements WRC has obtained an Environmental Clearance Certificate (ECC) for their operations. The ECC contains conditions that have to be adhered to during the period of its validity; in particular it calls for regular environmental monitoring and evaluations on environmental performance to be conducted, as well as the setting and monitoring of targets for improvement. We are under contract to provide these services to WRC on a continuous basis. This project covers the operation and decommissioning phases of the development.
21	05/2021	Karibib, Erongo Region, Namibia	Client: Southern Africa Railway (Pty) Ltd Contact: I Iiyambo manu@southernafricarailways.com	Lead Environmental Assessment Practitioner	<u>ENVIRONMENTAL IMPACT ASSESSMENT AND ENVIRONMENTAL MANAGEMENT PLAN (EMP) FOR THE KARIBIB AGGREGATE PROCESSING PLANT, KARIBIB, ERONGO REGION</u> Southern Africa Railway (Pty) Ltd (SAR) owns and operates an aggregate processing plant situated on ERF 1501, Extension 6, Karibib. SAR has a contract to supply railway ballasts for the Upgrading of the Railway line between Walvis Bay and Krantzberg. The production of the railway ballast takes place at the SAR plant located in Karibib. The raw material consists of crushed stone which is obtained from the Navachab gold mine that is located approximately 6 km from the plant. Activities performed include: Site Investigation and Analysis, Public Consultation, Impact Analysis. Mitigation Formulation, Scoping Report, Environmental Management Plan, Application for Environmental Clearance Certificate (ECC). This project covers the planning and design; construction; operation and decommissioning phases of the development.
22	08/2024	Walvis Bay, Erongo Region, Namibia	Client: Vibrant Upstream Services (Pty) Ltd Contact: Shakwa Nyambe shakwa@vibrantupstream.com	Lead Environmental Assessment Practitioner	<u>APPLICATION FOR AN ENVIRONMENTAL CLEARANCE CERTIFICATE FOR THE PROPOSED CONSTRUCTION OF A DANGEROUS GOODS STORAGE FACILITY ON LEASE NO.22 OVER FARM NO. 38, WALVIS BAY, ERONGO REGION</u> VUS (Vibrant Upstream Services Pty Ltd) is a wholly owned Namibian company that specializes in oil and gas infrastructure development. It provides support services for the Upstream Oil and Gas industry. The company is also committed to developing the capacity of Namibian businesses and individuals throughout its operations in order to enhance local content. VUS aims to fill the gaps in the local industry and ensure their clients receive world class services by partnering with international market leaders in dangerous goods storage facilities, oil and gas services, and enhancing Namibian and African competence. As part of its upstream oil and gas service offering, VUS provides: • The storage and warehousing of goods; • Licenses and permits for oilfield service companies and dangerous goods storage companies; • Maritime services; • Customs clearance and logistics; • Providing tubular services, fabrications, and engineering, • The provision of manpower, training, and development. Walvis Bay is becoming the centre for Namibian dangerous goods storage, so many resources, especially financial, will be channelled to Walvis Bay in order to bolster the industry. For the swift and efficient service of their clients, VUS has identified the need to set up operations in Walvis Bay. Hence, they have applied to the Municipality of Walvis Bay for access to land for the construction of storage and handling facilities for dangerous goods. Explosives and radioactive materials used in the oil and gas sector make up most of the dangerous goods. Activities performed include: Site Investigation and Analysis, Public Consultation, Impact Analysis. Mitigation Formulation, Scoping Report, Environmental Management Plan, Application for Environmental Clearance Certificate (ECC). This project covers the planning and design; construction; operation and decommissioning phases of the development.
23	07/2024	Windhoek, Khomas Region, Namibia	Client: Engen Namibia (Pty) Ltd Contact: Nambata Ulenga Nambata.Ulenga@engenoil.com	Lead Environmental Assessment Practitioner	<u>ENVIRONMENTAL CLEARANCE CERTIFICATE FOR THE CONTINUED OPERATION OF THE EXISTING FUEL CONSUMER INSTALLATIONS AT MEATCO OKAPUKA TANNERY AND FEEDLOT IN WINDHOEK, KHOMAS REGION</u> Meatco's Okapuka Tannery, situated 25 km north of Windhoek, has been operational since 1987. This tannery currently employs 38 people and utilizes an advanced automated process that requires minimal human intervention to transform fresh and salted hides into wet-blue leather. Wet-blue leather is produced by curing hides in chromium salts, a method that results in durable, flexible, and long-lasting leather products. The tannery source hides from various locations across Namibia, including Meatco and other local abattoirs. Once processed, these hides are supplied to local entities like NAKARA and exported to international markets in Italy and China (Annual report 2017). The leather industry in Namibia is intrinsically linked to Meatco's Okapuka Tannery. This industry thrives as a by-product of the livestock sector, producing a range of goods including wet-blue leather, shoes, and exotic leather products. Wet-blue leather represents the initial stage of leather processing and is crucial for the global leather industry, with bovine hides being the primary raw material. In Namibia, the economic contribution of wet-blue leather to the GDP surpasses that of locally produced value-added leather products, highlighting its significance as a standalone product. This economic impact underscores the importance of the tannery and its role in both the local and international leather markets. In addition to its economic contributions, the tannery also plays a role in promoting sustainable practices within the leather industry. By utilizing modern automation and efficient processing techniques, the tannery reduces waste and minimizes environmental impact. This commitment to sustainability aligns with global trends in the leather industry, where there is an increasing focus on eco-friendly and socially responsible production methods. The company also operates a feedlot that is able to handle 500-600 cattle a day. As part of its operations the company purchases and stores fuel on site for various uses such as diesel for vehicles and machinery both for the tannery and feedlot as well as HFO for the Boiler used in processing. The fuel is sourced from ENGEN Namibia (Pty) Ltd. ENGEN Namibia (Pty) Ltd as a leading marketer of liquid fuels and lubricants in the country aims to ensure that all their clients and facilities are compliant with the relevant environmental and industry legislation. Activities performed include: Site Investigation and Analysis, Impact Analysis. Mitigation Formulation, Environmental Management Plan, Application for Environmental Clearance Certificate (ECC). This project covers the operation and decommissioning phases of the development.
24	05/2024	Walvis Bay, Erongo Region, Namibia	Client: Municipality of Walvis Bay Contact: Henok Shikongo hshikongo@walvisbaycc.org.na	Lead Environmental Assessment Practitioner	<u>AMENDMENT OF THE PROPOSED UPGRADE OF THE EXISTING WALVIS BAY WASTE WATER TREATMENT WORKS (WWTW) TO INCLUDE THE CONSTRUCTION OF A NEW SEWER PUMP STATION, GRAVITY LINE AND RISING MAIN AT LAGOON AREA, WALVIS BAY, ERONGO REGION</u> Well-functioning Infrastructure supports the functioning of communities and their local economies. It unlocks an area's potential, enable residents to access services and potentially create work opportunities. The forecasted, accelerated growth of Walvis Bay place unprecedented stress on the infrastructure. The sewerage network that takes sewage away from properties in the Lagoon suburb is connected to the Jan Wilken Sewer pump station located at the Jan Wilken Sport stadium. From the recent revised Integrated, Urban Spatial Development Framework (IUDSF) for Walvis Bay town, it reveals a significant growth within the CBD that would require an upgrade of the infrastructure. Therefore, the development of the infrastructure is aligned with not only to the IUDSF, but it is mandated by the Local Authority Act, 1992 (Act 23 of 1992) as amended. A new sewage pump station is required to provide service resilience for a number of reasons, which may include but not limited to: • Consistent Flow: This will support the Waste Water

Ref #	Date	Location	Company & reference person ¹ (name & contact details)	Position	Description
					treatment Works (WWTW)by ensuring a consistent flow of wastewater to the treatment plant, thus facilitating effective treatment processes. • Capacity: The existing sewer infrastructure might not have enough capacity to handle the wastewater generated by a neighbourhood. By investing in a new pump station and rising main, the municipality can improve the system's capacity and prevent issues like overflows or backups. • Population Growth: As the population in the neighbourhood increases, the demand on the sewer system also grows. Investing in new infrastructure ensures that the system can adequately serve the needs of a growing community. • Compliance: Municipalities are often required to meet certain environmental regulations and standards related to wastewater treatment and disposal. Upgrading infrastructure can help ensure compliance with these regulations. • Preventing Pollution: A properly functioning sewer system is essential for protecting the environment and public health. By investing in new infrastructure, the municipality can reduce the risk of pollution from sewage leaks or overflows. The Municipality of Walvis Bay (the Proponent) triggered by the above factors has commissioned the amendment of the EIA granted for the upgrade of the the Existing Walvis Bay WWTW to include the construction of a New Sewer Pump Station, Gravity Line and Rising Main at Lagoon Area, Walvis Bay. This is crucial for maintaining a functional and efficient wastewater management system in the area. Activities performed include: Site Investigation and Analysis, Public Consultation, Impact Analysis. Mitigation Formulation, Environmental Management Plan, Application for Environmental Clearance Certificate (ECC). This project covers the planning and design; construction; operation and decommissioning phases of the development.
25	11/2023	Omatjete, Erongo Region, Namibia	Client: Theresia Jeaneth Aochamus Contact: Theresia Jeaneth Aochamus taochamus@gmail.com	Lead Environmental Assessment Practitioner	ENVIRONMENTAL IMPACT ASSESSMENT FOR PROSPECTING AND EXPLORATION ACTIVITIES ON EPL 8097, ERONGO REGION The proponent, Theresia Jeaneth Aochamus, has obtained an Exclusive Prospecting Licence over EPL 8097. The minerals of interest are Base and Rare Metals; and Precious Metals. Exploration is a range of activities to help determine if there are minerals under the ground. The objective of the planned prospecting and exploration activities is to identify geological features and lithostratigraphic units within the concession area, and to define the mineral deposits, in order to determine whether these deposits are economically viable. If the exploration process identifies minerals that can be commercially extracted, then mining in the future is possible. The activities will include both invasive and non-invasive exploration. The proponent will employ a phased exploration approach consisting of three distinct phases i.e. the Pre-Development Phase, Operational and Maintenance Phase, and the Decommissioning and Rehabilitation Phase. The pre-development phase involves literature and map reviews, as well as fieldwork to determine targets for detailed investigation. The operational and maintenance phase is the phase during which the exploration program will commence. The target areas within the EPLs' boundaries identified during the pre-development phase will undergo rigorous examination. Soil sampling and Reverse Circulation Drilling is the preferred technique for the planned exploration work, and diamond drilling may be considered depending on the outcome of initial operations. A pit may be dug for bulk sampling and the size of the samples may be adjusted depending on the nature of mineralization observed. No explosives will be used during the exploration phase. Activities performed include: Site Investigation and Analysis, Public Consultation, Impact Analysis. Mitigation Formulation, Scoping Report, Environmental Management Plan, Application for Environmental Clearance Certificate (ECC). This project covers the planning and design; construction; operation and decommissioning phases of the development.

E-mail: colin@environam.com, Tel No.: +264 (0) 61 258 470, Cell: +264 (0) 81 458 4297

Certification:

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience.



Signature