

EAPASA

Unit 19 Oxford Office Park
3 Bauhinia Street
Highveld Techno Park
Centurion
0157
Tel. (+27) 12 880 2154

Environmental Assessment Practitioners Association of South Africa

Advancing environmental assessment practice in South Africa



Email: registrar@eapasa.org / Website: www.eapasa.org

Ms Natalie Kohler
2 Nonoti Gardens
15 Nonoti Avenue
Durban
4001

Sent by email to: nkohler@golder.co.za

Dear Ms Kohler

Registered Environmental Assessment Practitioner: Number 2019/1388
Natalie Anna Christa Margot Kohler : South African ID 7402100065086

The Environmental Assessment Practitioners Association of South Africa (EAPASA) herewith certifies that Natalie Anna Christa Margot Kohler is a Registered Environmental Assessment Practitioner (EAP) in accordance with the prescribed criteria of Regulation 15.(1) of the Section 24H Registration Authority Regulations (Regulation No. 849, Gazette No. 40154 of 22 July 2016, of the National Environmental Management Act (NEMA), Act No. 107 of 1998, as amended).

Your registration is duly authorised by EAPASA as the single Registration Authority for EAPs in South Africa (appointed as per Regulation No. 104, Gazette No. 41434 of 8 February 2018, in terms of section 24H(3)(a) of the NEMA). Your status as a Registered EAP is displayed in the 'EAP Register' - please find your name and contact email address at

<https://registration.eapasa.org/registered-practitioners>

Your registration is effective for a period of five years from 07 February 2020, and expires on 07 February 2025. The renewal of your registration in 2025 will be contingent on you having met the requirements of EAPASA's Continuing Professional Development (CPD) policy during each year of registration.

As a Registered EAP you are required to uphold the EAPASA Code of Ethical Conduct and Practice in your professional endeavours, towards the goal of quality assurance in environmental assessment practice.

Please accept my congratulations on your registration.

Best regards

Dr Richard Hill
Registrar

Date: 07 February 2020

Board Members: Ms Snowy Makhudu (Chairperson), Mr Khangwelo Desmond Musetsho (Vice-Chairperson),
Mr Ntsako Baloyi, Mr Zama Dlamini, Mr Siyabonga Gqalangile, Ms Jacqui Hex, Ms Sibusisiwe Hlela,
Mr Malcolm Moses, Mr Phumudzo Nethwadzi, Mr Danie Neumann, Ms Keshni Rughoobeer.

Registrar: Dr Richard Hill
NPO Reg. No. 122-986



Education

HDE Mathematics and Biology, University of South Africa, Durban, 2000

BSc (Honours), University of KwaZulu-Natal, Durban, 1996

BSc Environmental and Cell Biology, University of KwaZulu-Natal, Durban, 1995

Awards

Sustainability Award Winner for Alternative Waste to Energy project, January 2012

Languages

English – Fluent

Afrikaans – Fluent

Swiss – Fluent

German – Fluent

Golder Associates Africa (Pty) Ltd – Durban

Professional Summary: Senior Environmental Consultant & Power Sector Lead for Africa

Natalie Kohler is a senior environmental specialist and registered EAP with EAPASA with more than 20 years of experience providing environmental site assessments (ESA), renewable energy (RE), oil and gas (O&G) sector experience, phase I and II contaminated land assessments and environmental health and safety (EHS) support to a large number of developing companies and industrial sites in Africa and Europe. She has excellent ESIA and EIA experience having undertaken many environmental authorisations for RE and power sector companies, waste companies and O&G tank facilities. She has worked on permitting/licensing and environmental impact assessments/ environmental and social impact assessments, environmental management plans, and water use licence and waste management plans within the oil and gas, agricultural, industrial, manufacturing, and mining sectors.

Employment History

Golder Associates Africa (Pty) Ltd – Durban, S.A.

Senior Environmental Consultant and Environmental Assessment Practitioner, Power Lead for Africa (2010 to Present)

Natalie currently undertakes most BAs, EIAs, environmental compliance audits and Phase 1 Environmental, Health and Safety (EHS) audits in Africa, having undertaken audits in South Africa, Kenya and United Arab Emirates most recently. She is the Waste Management and RE Power Sector leader for Golder in Africa. A key role is project managing ESIA's for environmental authorisations, and as lead transaction advisor for feasibility studies and due diligence projects requiring a strong technical understanding.

Golder Associates (UK) Ltd – Maidenhead, U.K.

Senior Waste Consultant (2005 to 2008)

Member of the Environmental, Waste and Manufacturing team providing strategic waste management advice (corporate and market focus), supported by project management capability, team co-ordination, in a range of environmental compliance projects. Advisor on large corporate transactions involving multi-nationals with sites across UK, Ireland, USA and Europe for manufacturing and engineering sites. This included client liaison, project management and technical and legal assessments. Project managed and undertook due diligence audits for investment banks, legal institutions, waste and manufacturing companies for liabilities, assets, potential mergers and acquisitions. This involved environmental due diligence, technical compliance assessments, site visits, data room information collection and strategic projections for UK and European clients. Project managed Phase I contaminated land site investigations, environmental, compliance and EHS audits for manufacturing, engineering, automotive and waste industries.



PROJECT EXPERIENCE – RENEWABLE ENERGY & EIA

| | |
|---|--|
| Bushveld BA North West, South Africa | Basic assessment and Part 2 amendment for the 2.5 MW solar and 1 MW battery storage development of Bushveld Energy at the Vametco vanadium mining complex. |
| Bulemu East & West ESIA, Zambia | ESIA for two solar PV plants at Bulemu East & West in Zambia for Building Energy (Red Rocket). The ESIA involved extensive ecology studies and stakeholder engagement as well as grave relocations and RAP study. The Project was awarded as part of the GETFit programme and was submitted successfully to ZEMA. |
| Bokpoort EIA, Northern Cape, South Africa | Work on the project team for the ACWA Bokpoort EIA solar PV plant in the Northern Cape. The EIA included ecology, socio-economic, avifaunal, visual and culture/heritage specialist studies. |
| Solar scaling, Senegal | Project team of solar scaling project in Senegal for IFC. |
| Waste-to-Energy (renewable energy from biomass/biofuel) Gauteng; KwaZulu- Natal and Eastern Cape, South Africa | Feasibility study for a waste to cellulosic ethanol biorefinery and biogas using wood waste and municipal solid waste. The study includes the following main themes and study areas: feedstock and product, technology, site location, environmental regulatory requirements and CDM, financial assessment and project planning. |
| Lanele Resources EIA, Durban, South Africa | EIA for the development of a tank storage and blending facility in Ambrose Park, Near Durban Harbour. The EIA includes 14 specialist studies including surface water, groundwater, geology, air quality, noise, visual, heritage, wetland, terrestrial and aquatic ecology, estuarine and mine, socio-economic, waste and soil and land use capability studies. |
| Amadwala EIA, Mpumalanga, South Africa | EIA for the development of an integrated hazardous waste facility between Gauteng and Mpumalanga for Interwaste. The facility included a hazardous Class A landfill facility, treatment and recycling plant as well as sorting and reception and outgoing areas. The EIA includes 13 specialist studies including surface water, groundwater, geology, air quality, noise, visual, heritage, wetland, terrestrial and aquatic ecology, socio-economic, waste and soil and land use capability studies. |
| Delonex EIA, Chad | EIA addendum to supplement the completed Baseline and Environmental Management Plan Update for Seismic Surveying And Drilling In Block H, Chad. The project included addressing aspects of well testing and well suspension in the project description, impact assessment, and environmental management plan to comply with international best practice |



PROJECT EXPERIENCE – DUE DILIGENCE & ENVIRONMENTAL AUDITING

Audits & Due Diligence (Waste) Southern Africa and UK

Red flag reporting of landfill gas to energy DD for five sites in Gauteng, South Africa (2021) – client confidential.

Environmental, health and safety (EHS) DD of Enviroserv's waste management operations in South Africa, Uganda and Mozambique for refinancing. This was undertaken in 2020 on 41 waste sites including landfill, composting and incineration facilities and depots. The DD included project kick-off, telephonic interviews, site visits, red flag reporting, landfill airspace estimates, landfill development, operation to closure and aftercare provisions, assessment of the Group environmental approach as well as health and safety approach, individual site reports, summary report and meetings with senior management.

Environmental, technical and operational (ETD) DD of three waste facilities in South Africa for Veolia including recycling, recovery, effluent treatment, liquid alternative fuel and bioremediation operations (2019).

ETDD of a heap leach mining site in Namibia for use by Interwaste as a hazardous waste landfill site (2019)

ETDD including Phase I and Phase II pollution contamination assessment of surface water, soil and groundwater, as well as water use licence advisory for the DCLM Class A (hazardous) landfill at KwaDukuza in Kwa-Zulu Natal (2018).

Due diligence acquisitions for Averda in Southern Africa on the Waste Group portfolio in 2015. The environmental, technical and operational DD included landfills, incineration facilities, fleet vehicles and numerous other assets, human resources and management operations. Furthermore in 2019, an environmental, operational and technical DD was undertaken for Averda of a waste facility in Gauteng that treats medical and pharmaceutical waste by incineration and pyrolysis.

Due diligence for insurance company (ACE) of a major waste company (Enviroserv) in South Africa including an assessment of all technical aspects (2012).

Phase 1 auditing, lender advisory DD according to IFC standards and Equator Principle review, gas resources assessments for landfill gas to energy projects at 12 landfill sites across South Africa (2012 and ongoing support). This DD was done for financing by Nedbank of EnerG Systems.

Prior to 2010, Natalie assisted with the environmental DD on numerous waste facilities in the UK, including the strategic £1.4BN acquisition of a major UK waste management company (WRG). Provide environmental due diligence advice for waste management facilities including gas utilisation plants and landfill sites and market analysis advice relating to the sale of a number of landfill assets for a UK waste operator.



**Audits & Due Diligence
(Manufacturing)**
Africa and Europe

Project manager and lead DD auditor of a packaging company for Constantia Flexibles (CFlex) in Kenya, United Arab Emirates (UAE) and South Africa, including audits at seven sites, with input to legal and financial advisors (2015). This was followed by the global vendor environmental due diligence (VEDD) project management and co-ordination covering 15 countries during two VEDD events for the same client, CFlex, in 2016 and 2018..

Pharmaceutical Supply Chain Initiative (PSCI) audit of the pharmaceutical companies Biovac in Cape Town (2020) and Chemipharm in Egypt (2018). The work covered management, social / ethics, environment and health and safety aspects.

EDD of Pfizer in Sandton, Gauteng (2020).

EDD of Apple site in Cape Town (2020).

Environmental technical review for Akso Nobel in Umbogintwini, KwaZulu Natal (2019).

ESA DD of the Lanxess site in Newcastle, KwaZulu-Natal including a red flag report for the vendor (2019).

Phase I ESA, including a contaminated land assessment (CLA), on three Profert sites located in Ventersdorp, Bothaville and Durban for ETG Group of Companies (2018).

Environmental DD of joining and roll forming technology, engineering sites in East London and Port Elizabeth for Linde & Wiemann (2018)

Due diligence auditing and environmental compliance auditing for the automotive industry of at sites in East London and Gauteng for Ford and Volvo (2015-2020) in South Africa, via site visits, telephonic interviews and data room research.

ENHSA auditing for Eaton of their engineering manufacturing site in Midrand, Gauteng (2013).

EHS auditing in accordance with South African legislation and corporate requirements of General Mills, a food manufacturing site, in Linbro Park, Gauteng (2012).

Environmental compliance auditing of Loreal in the South Africa (2011)

Project lead and manager for environmental DD audits of Dulux, a leading manufacturer of household electrical appliances, across sites in South Africa

Before 2010, Natalie worked on many DD projects assessments of numerous sites, within a range of industrial sectors, international engineering, construction and materials companies, manufacturing, and waste sectors in the UK, Ireland, Northern Ireland and Europe. Technical advice, environmental assessments included data room research, site audits (including permitting requirements and liability assessments) and historic research.



**Audits & Due Diligence
(Manufacturing)
Africa and Europe**

Project manager and lead due diligence auditor a packaging company in Kenya, United Arab Emirates (UAE) and South Africa, including audits at seven sites, with input to legal and financial advisors. Numerous other due diligence audits for engineering, food and drinks companies in Southern Africa including assessments of air, water, land and waste environmental data and reporting. Global vendor environmental due diligence (VEDD) project management and co-ordination covering 15 countries during two VEDD events for the same client in 2016 and 2018.

Due diligence auditing and environmental compliance auditing for the automotive industry of a site in East London, South Africa, via telephonic interviews and data room research.

Project lead and manager for audits of paint industry and leading manufacturer of household electrical appliances and across sites in South Africa

Project team work for due diligence work environmental assessments of numerous sites, within a range of industrial sectors, international engineering, construction and materials companies, manufacturing, and waste sectors in the UK, Ireland, Northern Ireland and Europe. Technical advice, environmental assessments included data room research, site audits (including permitting requirements and liability assessments) and historic researches.

**Audits & Due diligence
(Oil and Gas) Southern
Africa and UK**

Numerous due diligence audits for oil and gas depots in Southern Africa including assessments of air, water, land and waste environmental data and reporting for acquisition and closure reporting for NOV in Algoa Cape Town

Project manager and team member of due diligence work on 4 gas storage facilities in the UK for an American major oil and gas company. Work included legislative review, current planning permitting status, review of ES, EIA and scoping reports, environmental status and landmark desk based search. Data room and drive by for due diligence of 22 oil production sites in the UK for an American oil and power company for potential takeover bid or acquisition of sites.

**Audits & Due diligence
(Mining)
Senegal**

Project reviewer for due diligence audit of a coastal dune mining operation in Senegal.

**Environmental &
Waste Audits**

Environmental audits of 10 waste facilities in South Africa and Mozambique for Total. The compliance audits were undertaken based on waste disposed by Total at various waste facilities including recyclable waste, e-waste, hazardous drill cutting wastes and sludges (2020).

Waste audits for the Anglo American Polokwane Metallurgical Smelter Complex's slag dump. Audits have been undertaken annually since 2016 to the present, and still ongoing.

Environmental independent third party audits of a Interwaste for Sasol including site visits to 10 Interwaste facilities, and assessments of >30 waste streams. Numerous independent third party audits of facilities in accordance with licensing requirements and assessments of environmental monitoring data (2017).

Environmental third party audits for Sasol Secunda including waste treatment facilities, waste ash dumps and landfills (2016 and 2017).



SUPPLEMENTAL SKILLS

Co-presenter of Integrated Strategy and Legislative Courses

Co-presented of internal and external (to waste management companies) of current and future integrated waste, environmental and manufacturing strategies and legislation (e.g., Hazardous Waste (England and Wales) Regulations and the Landfill Directive.

Co-presenter and trainer of Due Diligence Course

Co-presenter and trainer of internal and external Phase I Due Diligence auditing in the UK. Focused on types of audits, knowing the client, what are the liabilities, different approaches to auditing, legislation, compliance issues and timeframes.

PROFESSIONAL AFFILIATIONS

Environmental Assessment Practitioners Association of South Africa (EAPASA)

Institute of Waste Management South Africa (IWMSA)

Chartered Member of the Institute of Wastes Management (MCIWM)

Associate Member of the Institute of Environmental Management and Assessment (AIEMA)

PUBLICATIONS

Other

1. Waste-to-Energy Conference (August 2017): International case studies and lessons learnt for a South African perspective on incineration for MSW.
2. WasteCon 2016 (October 2016): Opportunities and Challenges of Wood Waste Biomass and a Case study on Biofuels in South Africa
3. Sardinia 2013 Symposium: The Potential for Waste-to-Energy from Municipal Solid Waste (MSW) in Gauteng, South Africa.





forestry, fisheries & the environment

Department:
Forestry, Fisheries and the Environment
REPUBLIC OF SOUTH AFRICA

DETAILS OF THE ENVIRONMENTAL ASSESSMENT PRACTITIONER, DECLARATION OF INTEREST AND UNDERTAKING UNDER OATH

| | (For official use only) |
|------------------------|-------------------------|
| File Reference Number: | |
| NEAS Reference Number: | DEA/EIA/ |
| Date Received: | |

Application for authorisation in terms of the National Environmental Management Act, Act No. 107 of 1998, as amended and the Environmental Impact Assessment (EIA) Regulations, 2014, as amended (the Regulations)

PROJECT TITLE

Mier Rietfontein Solar PV and Battery Storage Project

Kindly note the following:

1. This form must always be used for applications that must be subjected to Basic Assessment or Scoping & Environmental Impact Reporting where this Department is the Competent Authority.
2. This form is current as of April 2021. It is the responsibility of the Applicant / Environmental Assessment Practitioner (EAP) to ascertain whether subsequent versions of the form have been published or produced by the Competent Authority. The latest available Departmental templates are available at <https://www.environment.gov.za/documents/forms>.
3. A copy of this form containing original signatures must be appended to all Draft and Final Reports submitted to the department for consideration.
4. All documentation delivered to the physical address contained in this form must be delivered during the official Departmental Officer Hours which is visible on the Departmental gate.
5. All EIA related documents (includes application forms, reports or any EIA related submissions) that are faxed; emailed; delivered to Security or placed in the Departmental Tender Box will not be accepted, only hardcopy submissions are accepted.

Departmental Details

Online Submission:

EIAApplications@environment.gov.za or <https://sfiler.environment.gov.za:8443/>.

Please read the process for uploading files to determine how files are to be submitted to this Department.

Postal address:

Department of Forestry, Fisheries and the Environment
Attention: Chief Director: Integrated Environmental Authorisations
Private Bag X447
Pretoria
0001

Physical address:

Department of Forestry, Fisheries and the Environment
Attention: Chief Director: Integrated Environmental Authorisations
Environment House
473 Steve Biko Road
Arcadia

Queries must be directed to the Directorate: Coordination, Strategic Planning and Support at:
Email: EIAAdmin@environment.gov.za

1. ENVIRONMENTAL ASSESSMENT PRACTITIONER (EAP) INFORMATION

| | | | |
|--|---|-------|------------------------------------|
| EAP Company Name: | Golder Associates Africa (Pty) Ltd | | |
| B-BBEE | Contribution level (indicate 1 to 8 or non-compliant) | 2 | Percentage Procurement recognition |
| EAP name: | Natalie Kohler | | |
| EAP Qualifications: | BSc(Hons) Environmental & Cell Biology; HDE (Biology & Mathematics) | | |
| Professional affiliation/registration: | Registered EAP No. 2019/1388 (EAPASA); AIEMA; IWMSA; MCIWM | | |
| Physical address: | Building 1, Maxwell Office Park, Magwa Crescent West, Waterfall City, Midrand | | |
| Postal address: | P.O. Box 6001, Halfway House | | |
| Postal code: | 1685 | Cell: | 0793160920 |
| Telephone: | 011 254 4800 | Fax: | N/A |
| E-mail: | nkohler@golder.co.za | | |

The appointed EAP must meet the requirements of Regulation 13 of GN R982 of 04 December 2014, as amended.

2. DECLARATION BY THE EAP

I, Natalie Kohler, declare that –

- I act as the independent environmental assessment practitioner in this application;
- I have expertise in conducting environmental impact assessments, including knowledge of the Act, Regulations and any guidelines that have relevance to the proposed activity;
- I will comply with the Act, Regulations and all other applicable legislation;
- I will perform the work relating to the application in an objective manner, even if this results in views and findings that are not favourable to the applicant;
- I will take into account, to the extent possible, the matters listed in Regulation 13 of the Regulations when preparing the application and any report relating to the application;
- I undertake to disclose to the applicant and the Competent Authority all material information in my possession that reasonably has or may have the potential of influencing - any decision to be taken with respect to the application by the Competent Authority; and - the objectivity of any report, plan or document to be prepared by myself for submission to the Competent Authority, unless access to that information is protected by law, in which case it will be indicated that such information exists and will be provided to the Competent Authority;
- I will perform all obligations as expected from an environmental assessment practitioner in terms of the Regulations; and
- I am aware of what constitutes an offence in terms of Regulation 48 and that a person convicted of an offence in terms of Regulation 48(1) is liable to the penalties as contemplated in Section 49B of the Act.

Disclosure of Vested Interest (delete whichever is not applicable)

- I do not have and will not have any vested interest (either business, financial, personal or other) in the proposed activity proceeding other than remuneration for work performed in terms of the Regulations;
- ~~I have a vested interest in the proposed activity proceeding, such vested interest being:~~



Signature of the Environmental Assessment Practitioner

Golder Associates Africa (Pty) Ltd

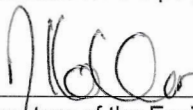
Name of Company:

12 August 2021

Date

3. UNDERTAKING UNDER OATH/ AFFIRMATION

I, NATALIE KOHLER, swear under oath / affirm that all the information submitted or to be submitted for the purposes of this application is true and correct.



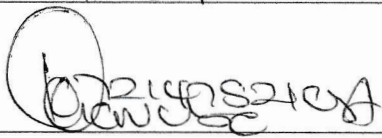
Signature of the Environmental Assessment Practitioner

Golder Associates Africa (Pty) Ltd

Name of Company

12 AUGUST 2021

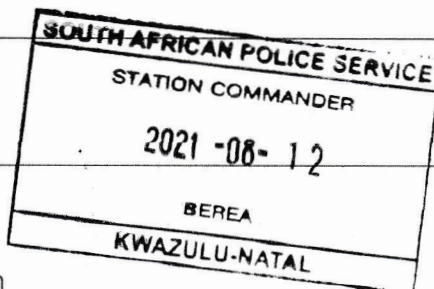
Date



Signature of the Commissioner of Oaths

2021-08-12

Date



Details of EAP, Declaration and Undertaking Under Oath