



MARIELLE PENWARDEN

CURRICULUM VITAE

KEY QUALIFICATIONS

Marielle Penwarden is an environmental consultant at Chand Environmental Consultants. She has seven years' post-graduate work experience and is proficient in project/environmental management, scientific reporting and data research and analysis. She has been exposed to a variety of projects, which have allowed her to develop key strengths around project management and various environmental authorisation processes. Prior to working for Chand, she was an Environmental Scientist at GIBB Pty Ltd, where she worked in the Mega Projects division which was focussed on Environmental Impact Assessments for large-scale infrastructure and South African Strategic Infrastructure Projects (SIP) projects. Prior to her work in environmental science, she was employed in educational marketing, sales, administration and teaching for six years.

She is currently doing her Master of Science in Environmental Management part-time through UNISA and possesses a Bachelor of Science Honours in Environmental Management, with undergraduate majors in Zoology and Geography. She is also well versed in MS Office applications such as Excel, Word and MS Project.

Her key strengths include:

- **Environmental Impact Assessment (EIA)** of small, medium and large-scale infrastructure projects, including public participation processes, report writing and technical input. The management (and assistance with management) within Environmental Assessments for a variety of different projects, including energy generation (nuclear and renewable energy) projects. She is also familiar with NEMA Principles, Guidelines and legislated processes as well as other environmental processes such as S24G Applications, Basic Assessments, Air Emissions Licences and feasibility assessments.
- **Project management** of aspects of medium and large-scale infrastructural and environmental projects such as project planning, task management and delegation, financial management and budget preparation as well as contract administration and general reporting. Marielle is also well versed in the application of the ISO9001 Quality Management System.
- **Environmental reviews, synthesis, synopsis and drafting** of a range of environmental and specialist reports.
- **Team Leadership**

APPLICABLE PROJECT EXPERIENCE

CHAND ENVIRONMENTAL CONSULTANTS (December 2013- Present)

SCOPING AND ENVIRONMENTAL IMPACT ASSESSMENT & RELATED PUBLIC PARTICIPATION PROCESSES:

S&EIA for the Proposed Sand Mining on Erf 21202, Strandfontein

Compilation of the Application form, Scoping Report, Environmental Impact Report, liaison with the project team and authorities, co-ordination of five specialists and management of the public participation process (which included a one-on-one meeting, focus group meetings with key stakeholders and a public meeting) in addition to the financial and project administration of the process.

Opportunities and Constraints Analysis and S&EIA for the Proposed Biogas Plant at the CSIR, Lynwood

Compilation of an Opportunities and Constraints Analysis in support of site selection- the report incorporated the findings of six specialists. Compilation of the Notice of Intent, Application form, Scoping Report, Environmental Impact Report, liaison with the project team and authorities, co-ordination of four specialists and management of the public participation process (which includes focus group meetings and an Open House event) in addition to the financial and project administration of the process.

BASIC ASSESSMENT & RELATED PUBLIC PARTICIPATION PROCESSES:

Basic Assessment for the proposed refurbishment and expansion of the Agterdam cottages and associated infrastructure on portion 4 of the Farm No. 1674 Boschendal

Compilation of the Background Information Document, Notice of Intent, Application form, Basic Assessment Report, liaison with the project team and authorities, co-ordination of specialists and management of the public participation process (which included focus group meetings with farm workers) in addition to the financial and project administration of the process. It would also include significant stakeholder engagement with additional meetings.

Basic Assessment for the Proposed Development for the Protea Village Land Claim

Compilation of the Background Information Document, Notice of Intent, Application form, Basic Assessment Report, liaison with the project team and authorities, co-ordination of specialists and management of the public participation process (which included focus group meetings with key stakeholders) in addition to the financial and project administration of the process. It would also include significant stakeholder engagement with additional meetings.

Basic Assessment for the Proposed Development of a Housing Development on Steenberg Farm

Compilation of the Background Information Document, Notice of Intent, Application form, Basic Assessment Report, liaison with the project team and authorities, co-ordination of specialists and management of the public participation process (which included focus group meetings with key stakeholders) in addition to the financial and project administration of the process. It would also include significant stakeholder engagement with additional meetings.

Basic Assessment for the Proposed Establishment of the King David Warehousing, Industrial and Business Development on Erf 112674, Cape Town and the Remainder of Erf 1181, Matroosfontein

Compilation of the Application form, Basic Assessment Report, liaison with the project team and authorities, co-ordination of specialists and management of the public participation process (which included (a one-on-one meeting and focus group meetings with key stakeholders) in addition to the financial and project administration of the process. The EMPr included aspects on sustainable management of resources.

Basic Assessment for The Point – Kalk Bay: Proposed Rehabilitation of the Parking and Recreational Area

Assistance in the compilation of a Basic Assessment Report, liaison with the project team and authorities, co-ordination of specialists and management of the public participation process in addition to the financial and project administration of the process.

Basic Assessment for the Proposed Mitchells Plain and Khayelitsha Bus Depots on RE/18370 along Spine Road, Khayelitsha

Completion of the Notice of Intents, Application Forms, Basic Assessment Reports and EMPrs, arranging focus group meetings, management of specialists, liaison with large project team as well as management of the Basic Assessment process and project finances. The EMPr included aspects on sustainable management of resources.

Basic Assessment for the Development of a waste to Biogas facility in Saldanha

Assistance in the compilation of a Basic Assessment Report, liaison with the project team and authorities, co-ordination of specialists and management of the public participation process.

Basic Assessment and Waste Management License for the Decommissioning and re-development of Waste Sorting and Baling Facility

Compilation of the Application form, Basic Assessment Report, liaison with the project team and authorities, co-ordination of specialists and management of the public participation process.

Basic Assessment for the Expansion and Redevelopment of Wellington Industrial Park

Completion of the Notice of Intent, Application Form, Basic Assessment Report and EMP, arranging two focus group meetings, one open house, management of specialists (visual, freshwater and botanical), liaison with large project team as well as management of the Basic Assessment process and project finances. The EMP included aspects on sustainable management of resources.

Basic Assessment for the Development of a Chairlift, North-West Province

The development entailed a chairlift Sun City, North West Province. Tasks include compilation of the Application Form and Basic Assessment Reports, liaison with the project team and authorities, co-ordination of four specialists and assistance with the management of the public participation process.

Basic Assessment for the Redevelopment of the Somerset Precinct, Green Point

Compilation of the Application Form and Basic Assessment Report, liaison with the project team and authorities, co-ordination of specialists and assistance with the management of the public participation process.

Basic Assessment for the Development of a Service Station, Faure

The development entailed a service station, convenience store, diner and associated infrastructure at Cape Town Film Studios, Faure. Tasks include compilation of the Application Form and Basic Assessment Reports, liaison with the project team and authorities, co-ordination of five specialists and assistance with the management of the public participation process.

Basic Assessment for the Decommissioning and Redevelopment of Everite Asbestos Waste Consolidation Site, Brackenfell

Assistance in the compilation of the Basic Assessment Report, liaison with the project team and authorities, co-ordination of specialists and management of the public participation process.

Basic Assessment and for a Residential Development and Stream Canalisation, Kylemore

Compilation of a Basic Assessment Report and General Authorisation Application, liaison with the project team and authorities, co-ordination of specialists and management of the public participation process.

Basic Assessment for the Demolition of the Clovelly Station Platform

Management of the process, compilation of the Application Form and Basic Assessment Report, liaison with the project team and authorities, co-ordination of specialists and management of the public participation process.

Basic Assessment for the development of Non-Motorised Transport Facilities along Spaanschemat River Road, Constantia

Compilation of the final Basic Assessment Report, liaison with the project team and authorities, co-ordination of freshwater specialists and management of the public participation process.

Basic Assessment for the proposed IRT Trunk Lane along Edith Stephens wetlands park

Completion of Notice of Intent, liaison with authorities, Application Form, Basic Assessment Report, management of freshwater and botanical specialist, strategic public engagements, integration into a large multi-disciplinary project team as well as management of budget and project finances. *Currently underway.*

Basic Assessment for the development of residential and recreational use on Erf 212 and Erf 242, Bishopscourt for the Protea Village land claim

Significant stakeholder engagement through BID drafting and distribution, running an Open House event (including the drafting of the posters for the event and attending the event to engage I&APs), focus group meetings with adjacent landowners as well as key biophysical and heritage interest groups, engaging with a large multi-disciplinary team, incorporation of many specialist reports (i.e. heritage, visual, civil services, town planning, freshwater, groundwater, risk, soils, and geotechnical) into the drafting of the Basic Assessment Report. Also includes consideration of contaminated land issues and a water use license and General Authorisation application. *Currently underway.*

Basic Assessment for the proposed industrial and warehousing development at King David Golf Course

Compilation of Notice of intent, integration into a large multidisciplinary project team, liaison and meetings with I&APs, management of a number of specialists (hydropedology, freshwater, botanical, heritage, and sub-surface contamination), Application form, and liaison with authorities. Marielle also managed financial and timeline aspects of the project.

Basis Assessment for two IRT Bus Depots in Khayelitsha

Completion of the Notice of Intent, Application Form, Basic Assessment Report and EMPr, arranging and facilitate a one-on-one meeting with the City of Cape Town, management of specialists (risk, freshwater and botanical), liaison with large project team, authorities and interested an affected parties as well as management of the project and project finances.

Basic Assessment Process for the proposed Azalea Development on Erven 46 and 47, Clifton

Completion of the Notice of Intent, Application Form, Basic Assessment Report and EMPr, arranging and facilitate a one-on-one meeting with the City of Cape Town, management of specialists (Freshwater, visual, heritage, groundwater and botanical), liaison with large project team, authorities and interested an affected parties as well as management of the project and project finances.

PUBLIC PARTICIPATION PROCESSES:

Public Participation, Maitland Pool Heritage Appeal

Planning and managing the public participation in support of the City of Cape Town's appeal on the Heritage Western Cape decision regarding the demolition of the Maitland Pool. The City was not in agreement with Heritage Western Cape's recommendation that the pool may not be demolished. Furthermore, Heritage Western Cape later required additional public participation to be undertaken which was also carried out by Marielle.

Public Participation, City's Appeal of the Kapteinsklip EIA Decision by DEA&DP

Planning and managing the public participation in support of the City's appeal to the DEA&DP.

Public Participation, Applicant's Appeal on the Wind Farm and Photovoltaic Facility in Beaufort West issued by DEA

Planning and managing the public participation in support of the Applicant's appeal to the DEA.

Public Participation, Applicant's Appeal on the Linking Station and two Power Lines and Substations in Beaufort West issued by DEA

Planning and managing the public participation in support of the Applicant's appeal to the DEA.

Public Participation, Phillipi Horticultural Area Prospecting Permit

Planning and managing the public participation in support of the prospecting application to the Department of Mineral Resources.

Public Participation, Phillipi Horticultural Area North Prospecting Permit

Planning and managing the public participation in support of the prospecting application to the Department of Mineral Resources.

Public Participation, Schaapkraal Prospecting Permit

Planning and managing the public participation in support of the prospecting application to the Department of Mineral Resources.

Public Participation, Environmental Impact Assessment, Saldanha Chlorchem

Management of the public participation process in support of the proposed chlorine, caustic soda and hydrochloric acid facility in Saldanha.

Public Participation for the Proposed Redevelopment of the Kapteinsklip Station Precinct and Mnandi Coastal Node, Mitchells Plain

Managing the distribution of the final EIR and assimilation and updating and submission of a Public Participation Report, also managed distribution of addendum to the final EIR and updating the Public Participation Report.

WATER USE AND WATER SUPPLY AUTHORISATIONS

Western Cape Government: Department of Transport & Public Works

Compilation of Water Safety Plans for fourteen (14) Western Cape Government: Department of Transport & Public Works critical infrastructure sites.

The Proposed IRT Phase 2A Trunk Route: Portion E1, 3.5km of Govan Mbeki Road, Manenberg & Gugulethu

General Authorisation (GA) for partial infilling of a wetland and works on structures in the Lotus Canal for expansion of Govan Mbeki Road for IRT lanes Work Package E1, City of Cape Town (part of a Basic Assessment process)

The Proposed IRT Phase 2A Trunk Route: Portion E1, 3.5km of Govan Mbeki Road, Manenberg & Gugulethu

General Authorisation for partial infilling of a wetland for expansion of Govan Mbeki Road for IRT lanes Work Package E3, City of Cape Town

Protea Village: Development of Protea Village on Erven 242 and 212, Bishopscourt

Water use Licence (WULA) for infilling and partial infilling of wetlands as well as installation of stormwater outlets into the Liesbeek River in Bishopscourt, Bethel Partners (part of a Basic Assessment process)

Protea Village: Development of Protea Village on Erven 242 and 212, Bishopscourt

General Authorisation (GA) for infilling of wetlands in Bishopscourt, Bethel Partners (part of a Basic Assessment process)

The Proposed Development of Wellington Industrial Park; Drakenstein Municipality.

Compilation of Water Use Licence Application (WULA) including review and synthesis of specialist reports.

The Proposed Development of a Private Residential Estate on Farm 124/39 Kylemore, Stellenbosch

General Authorisation for works proposed on a river in Kylemore; EZ Trade (part of a Basic Assessment process)

ENVIRONMENTAL MANAGEMENT SYSTEMS:

Environmental Management System for the Cape Town Film Studios

Assistance in the compilation of an Environmental Management System.

Maintenance Management Plan for the Emergency Flood Rehabilitation Works, Robertson

Compilation of a Maintenance Management Plan (MMP) for emergency flood repair at 12 various culverts from Robertson to Ashton. Tasks included drafting of the MMP, managing a Focus Group Meeting, and liaison with various key State Departments, as well as the management of a Freshwater specialist.

Maintenance Management Plan for the Wellington Industrial Park

This plan was drafted as part of the Environmental Management Programme for the Basic Assessment process. It addressed the management of the open green areas, potential reshaping of some wetlands, as well as stormwater infrastructure along the Berg River.

ENVIRONMENTAL MANAGEMENT PROGRAMMES:

Environmental Management Programme (EMPr) for the Emergency Flood Rehabilitation Works, Robertson

Undertaking the compilation of an Environmental Management Programme for the construction phase of the rehabilitation works on 12 culverts in from Robertson to Ashton.

Environmental Management Programme (EMPr) for the Evergreen Retirement Village, Bergvliet

Undertaking the compilation of an Operational Environmental Management Plan for the retirement village in accordance with the City of Cape Town requirements. Marielle also managed financial and timeline aspects of the project.

Environmental Management Programme (EMPr) for a Bird Sanctuary, Tableview

Undertaking the compilation of an Environmental Management Plan for construction and operational phase of upgrades to the SANCCOB bird sanctuary in accordance with the City of Cape Town requirements.

Environmental Management Programme (EMPr) for Disa Primary School, Hout Bay

Undertaking the compilation of an Environmental Management Plan for construction phase of the extension, refurbishment and upgrade of Disa Primary School in accordance with the City of Cape Town requirements. Tasks included the management of a botanical specialist for a tree survey.

Environmental Management Programme (EMPr) for a Housing Development, Bellville

Undertaking the compilation of an Environmental Management Plan for construction phase of a housing development in Bellville in accordance with the City of Cape Town requirements.

Environmental Management Programme (EMPr) for a Housing Development, Somerset West

Undertaking the compilation of an Environmental Management Plan for construction phase of the Pine Mews housing development in Somerset West (Erf 16644) in accordance with the City of Cape Town requirements.

Construction Environmental Management Programme (EMPr) for the of a Poco Showroom and Warehouse on Erf 5874, Parklands

Writing a Construction-phase Environmental Management Plan for the development in accordance with the City of Cape Town and other legislative requirements. The report included focus on the protection of an adjacent watercourse. Marielle also managed financial and timeline aspects of the project.

Demolition and Construction Environmental Management Programme (EMPr) for the demolition of an existing house and construction of a five-storey apartment block on Erf 122, Camps Bay

Writing a Construction-phase Environmental Management Plan for the development in accordance with the City of Cape Town and other legislative requirements. The report included focus on demolition management. Marielle also managed financial and timeline aspects of the project.

EIA Checklist for Erf 429, Clifton

Compilation of an EIA Checklist for the demolition and redevelopment of a residential dwelling on Erf 429, Clifton.

EIA Checklist for Erf 75, Bantry Bay

Assistance with compilation of an EIA Checklist for the expansion of the footprint for a property in Bantry Bay.

EIA Checklist for Wine Cellar Expansion, Spier

Compilation of an EIA Checklist for the expansion of the footprint and capacity of a wine cellar at Spier Estate.

EIA Checklist for Composting Facility, Spier

Compilation of an EIA Checklist for the establishment of a composting facility at Spier Estate.

EIA Checklist for Erf 281, Clifton

Assistance with compilation of an EIA Checklist for the expansion of the footprint for a property in Clifton.

EIA Checklist for Erf 5, Clifton

Assistance with compilation of an EIA Checklist for the expansion of the footprint for a property in Clifton.

EIA Checklist for Cape Sawmill, Stellenbosch

Assistance with compilation of an EIA Checklist for the expansion of the footprint and redevelopment of the Cape Sawmill site in Stellenbosch.

Opportunities and Constraints Analysis for the Proposed IRT Phase 2A Proposed Wynberg Bus Depot on Erf 91191 & Erf 90745-RE, Wynberg

Compilation of an Opportunities and Constraints Analysis for the Proposed IRT Phase 2A Proposed Wynberg Bus Depot on Erf 91191 & Erf 90745-RE, Wynberg.

EIA Checklist for development of a special needs school in Retreat (same project in screening, progressed to a checklist)

Incorporation of inputs from a heritage practitioner, freshwater ecologist, and botanist as well as consideration of the project scope against the requirements of the EIA Regulations, 2014 as amended and compilation of EIA Applicability Checklist. Marielle also manage financial and timeline aspects of the project. *Currently underway.*

EIA Checklist for the development of a blueberry farm in Western Cape.

Responsibilities included compilation of an EIA Checklist for the proposed development and the submission thereof to the authorities. Also liaised with client, project team (i.e. architects and town planners) and authorities. Marielle also managed financial and timeline aspects of the project.

EIA Checklist for redevelopment of a house into an apartment block on Erf 29&30, Clifton

Compilation of an EIA Checklist for the proposed development and the submission thereof to the authorities. Also liaised with client, project team (i.e. architects and town planners) and authorities. Marielle also managed financial and timeline aspects of the project.

EIA Checklist for redevelopment of a house into an apartment block on Erf 124, Camps Bay

Compilation of an EIA Checklist for the proposed development and the submission thereof to the authorities. Also liaised with client, project team (i.e. architects and town planners) and authorities. Marielle also managed financial and timeline aspects of the project.

EIA Checklist for a Service Station in Kensington

Compilation of an EIA Checklist for the development of a service station and the submission thereof to the authorities. Marielle also managed financial and timeline aspects of the project.

EIA Checklist for the Rezoning and Subdivision of Farm 183/57, Stellenbosch for a Mixed-Use Development Comprising of Retail, Offices, Industrial and Residential Land Uses

Marielle also managed financial and timeline aspects of the project.

EIA Checklist for several erven in Milnerton Foreshore to be redeveloped to mixed use

Compilation of an EIA Checklist for the proposed development. Marielle also managed financial and timeline aspects of the project.

EIA Checklist for the Proposed School Extension, Refurbishment and Upgrade of Disa Primary School, Erf 9858 and Portions of Erf 7309, Hout Bay

Compilation of an EIA Checklist for the refurbishment and expansion of Disa Primary School and submission thereof to the authorities. Marielle also managed financial and timeline aspects of the project.

EIA Checklist for a mixed-use development at the Cape Pine sawmill

Management of the project and completion and submission of the checklist. This was reviewed by a senior colleague. Marielle also managed financial and timeline aspects of the project.

SECTION 24G APPLICATIONS:

Seasons Find Chicken Farm Section 24G Application

Management of the post-commencement authorisation process, compilation of the Final Environmental Impact Report, liaison with the project team and authorities, and management of the public participation process.

Delft Temporary Relocation Area (TRA) Section 24G Application

Management of the post-commencement authorisation process, compilation of the Draft and Final Environmental Impact Report, planning and management of a noise questionnaire to the TRA residents, liaison with the project team and authorities, and management of the public participation process.

Cape Precious Metals Section 24G and Atmospheric Emissions License Application, unlawful commencement of precious metal recovery activities

Management of the post-commencement authorisation process, compilation of the Application form and Draft and Final Environmental Impact Reports, liaison with specialists, the project team and authorities, and management of the public participation process.

Finegold Laboratories Section 24G and Atmospheric Emissions License Application, unlawful commencement of precious metal recovery activities

Management of the post-commencement authorisation process, compilation of Draft and Final Environmental Impact Reports, liaison with specialists, the project team and authorities, and management of the public participation process.

Spier Composting Facility Section 24G and Waste Management License Application, unlawful commencement of a large composting facility

Management of the post-commencement authorisation process, compilation of the Application form and Draft and Final Environmental Impact Reports, liaison with specialists, the project team and authorities, and management of the public participation process.

12 Apostles Hotel and Spa Section 24G Application, unlawful expansion of footprint

Management of the post-commencement authorisation process, compilation of the Final Environmental Impact Report, liaison with the project team, one specialist and authorities, and management of the public participation process.

Elandskloof Section 24G Application, unlawful expansion of footprint and conversion of cottages to tourism accommodation

Management of the post-commencement authorisation process, compilation of the Final Environmental Impact Report, liaison with the project team, one specialist and authorities, and management of the public participation process.

WASTE MANAGEMENT PLANS:

Integrated Waste Management Plan, Cape Agulhas Municipality

Drafting of the 3rd Generation Integrated Waste Management Plan for the Municipality which included research and updating of the 2nd generation plan.

Integrated Waste Management Plan, Martin & East

Drafting of an Integrated Waste Management Plan for crushing facilities at various waste disposal facilities in support of Martin and East's registration as a waste service provider for the City of Cape Town.

Waste Management Plan, Spier, Stellenbosch

Drafting of a Waste Management Plan for a proposed new biodynamic micro-winery.

General Authorisation Application, Tokai Estate

Compilation and submission of a General Authorisation Application to the Department of Water and Sanitation for works along and on the Keyesers River.

Waste Management Plan (WMP) for the proposed Biodynamic micro-winery at Spier

Client liaison and compilation of the WMP. Marielle also managed financial and timeline aspects of the project.

SETBACK LINE APPLICATIONS:

Setback line Application, Glencairn Quarry

Management of the setback line application process, heritage specialist and supporting public participation as well as completion of application form.

Setback Line Application, Erf 281, Clifton

Management of the setback line application process, supporting public participation as well as completion of application form.

Setback Line application for redevelopment of a house into an apartment block on Erf 29&30, Clifton (emerged from the EIA Applicability Checklist)

Compilation of the application form for the proposed development and the submission thereof to the authorities, manage necessary public participation process, liaison with client, project team (i.e. architects and town planners) and authorities. Marielle also manage financial and timeline aspects of the project. *Currently underway.*

Setback Line application for redevelopment of a house into an apartment block on Erf 124, Camps Bay (emerged from the EIA Applicability Checklist)

Compilation of the application form for the proposed development and the submission thereof to the authorities, manage necessary public participation process, liaison with client, project team (i.e. architects and town planners) and authorities. Marielle also manage financial and timeline aspects of the project. *Currently underway.*

Erf 395 Setback Line Application for the demolition and reconstruction of a bungalow in Clifton

Management of the setback line application process and supporting public participation as well as completion of application form. Marielle also managed financial and timeline aspects of the project.

Setback Line Application for the development of a Spa at Spier Wine Estate

Management of the setback line application process and supporting public participation as well as completion of application form. Marielle also managed financial and timeline aspects of the project.

Erf 111 Setback Line Application for the demolition and redevelopment of a five-storey apartment block-

Management of the setback line application process and supporting public participation as well as completion of application form. Marielle also managed financial and timeline aspects of the project.

6 Victoria Road Setback Line Application for the redevelopment of an apartment block

Management of the setback line application process and supporting public participation as well as completion of application form. Marielle also managed financial and timeline aspects of the project.

AMENDMENT APPLICATIONS:

Amendment Application Erf 848, Struisbaai

Undertaking an amendment application for change in holder and extended validity period of appealed Environmental Authorisation for the Proposed Langezandt Quays Development.

Amendment Application for the Proposed Establishment of the King David Warehousing, Industrial and Business Development on Erf 112674, Cape Town and the Remainder of Erf 1181, Matroosfontein

Management of the amendment application process and the completion of the application form. The process also required stakeholder engagement with key parties on certain specific conditions of authorisation.

Amendment Application for Revisions to the Development Framework, Faure

Undertaking an amendment application and combination of the various Records of Decision obtained by the Cape Town Film Studios for revisions to the Development Framework included compilation of the Notice of Intent, Amendment Application Form, liaison with authorities, liaison with specialists (traffic, freshwater, botanical) and project team.

Amendments to the Development Framework for Cape Town Film Studios through one Part 2 Amendment Application

Marielle also managed financial and timeline aspects of the project.

Amendment to the Environmental Authorisation and EMPr resulting from the association Section 24G process for Cape Precious Metals to reduce audit frequency

Compilation of application, liaison with client and authorities as notification of I&APs. Marielle also managed financial and timeline aspects of the project.

Amendment to the appeal record of decision for a mariculture facility and restaurant on Erf 248, New harbour, Hermanus through a Part 1 Amendment Application process

Liaison with client and authorities, manage the process, complete the application forms and management of project budget and programme. Marielle also managed financial and timeline aspects of the project.

Amendment Application for a residential development in Tokai.

Management of the process, client and authority liaison and completion of the application documentation. Marielle also managed financial and timeline aspects of the project.

ENVIRONMENTAL MONITORING AND AUDITING:

Environmental Officer (EO), Biogas Plant, Bronkhorstspuit

EO for the monitoring, auditing and reporting of operational activities against an Environmental Management Programme for a biogas facility in Gauteng. . Marielle conducted five of the six audits. Marielle also managed financial and timeline aspects of the project.

Environmental Control Officer (ECO), Sir Lowry's Pass Sewer Outfall

ECO for the monitoring, auditing and reporting of construction activities in accordance with the Environmental Management Programme for the construction of the sewer outfall network in Sir Lowry's Pass, Somerset West. Review reports of Junior Environmental Consultant. Marielle also managed financial and timeline aspects of the project and oversaw a junior consultant, reviewing their reports and sometimes going to site.

Cape Precious Metals Registration on SAAILEP and NAEIS Emission Reporting for three years running

Completion of the online registration and annual emission reporting forms based on the findings of a specialist study.

Cape Precious Metals Environmental Audit

An audit was conducted in terms of the requirements of the Environmental Authorisation, compliance was established and recommendations were made to ensure complete compliance. Marielle also manage financial and timeline aspects of the project.

Cape Precious Metals Annual Emissions Audit Report

An audit was conducted in terms of the requirements of the Provision Atmospheric Emission License, compliance was established and recommendations were made to ensure complete compliance. Marielle also manage financial and timeline aspects of the project.

Update Environmental Legislation Document, South African Bitumen Association (SABITA)

Review of legislation applicable to the business activities of SABITA and updating their Environmental Legislation Guideline document accordingly.

Environmental Screener for the Proposed Widening of the M3

The designs provided by the engineers were reviewed and the entire route was analysed, in conjunction with the proposal, to highlight potential environmental sensitivities and associated triggers. The findings were detailed in a report.

Environmental Screener for Erf 668-0 for Proposed Warehousing and Filming Activities

The scope provided by the client was reviewed and the entire site was analysed, in conjunction with the proposal, to highlight potential environmental sensitivities and associated triggers. The findings were detailed in a report.

Feasibility Assessment, Integrated Rapid Transport (IRT) Depots

Conducting a feasibility assessment for a number of sites selected by the City of Cape Town for the establishment of IRT Depots. Assessment included liaison with authorities, desktop research, legislative review and a site visit.

Feasibility Assessment, Integrated Rapid Transport (IRT) Feeder Routes (Phase 2A)

Conducting a feasibility assessment for the establishment of an IRT Feeder network. Assessment included liaison with authorities, desktop research, legislative review, site visit, and specialist management.

NEMA Appeal Process Support- Environmental Impact Assessment for an LPG Handling Facility in Saldanha

Provision of guidance and advice to the client during the appeals phase.

Impact Assessment and Rehabilitation Report for Illegal Infilling on Erf 82057

Conducting a site visit, managing a freshwater specialist, and writing and submitting an Impact Assessment Report and Rehabilitation Plan to the authorities in response to a pre-compliance notice.

Impact Assessment and Rehabilitation Report for Placement of Excavated Material on Erf 2252, Camps Bay

Conducting a site visit, managing a botanical specialist, and writing and submitting an Impact Assessment Report and Rehabilitation Plan to the authorities in response to a pre-compliance notice. Marielle also managed financial and timeline aspects of the project.

Proposed Developments and Overall Conceptual Framework at Boschendal, Franschhoek

Undertaking environmental investigations in terms of applicable environmental legislation and appropriate environmental processes for the Proposed Developments and Overall Conceptual Framework at Boschendal, Franschhoek.

Retrospective audit for the first phase of construction for the Wildersview Housing Development in Bellville

Site visit, review of evidence/documentation provided and compilation of audit report. An addendum was also compiled following the completion of recommendations from the initial audit report by the client in order to close out the audit. Marielle also managed financial and timeline aspects of the project.

Environmental Control Officer (ECO), Emergency Flood Damage Repair to Culverts in Robertson

ECO for the monitoring, auditing and reporting of construction activities in accordance with the Environmental Management Programme for the repair of structures. Review reports of Junior

Environmental Consultant. Marielle also managed financial and timeline aspects of the project and oversaw a junior consultant, reviewing their reports and sometimes going to site.

Environmental Screening exercise to compare the viability and potential opportunities and constraints associated with three sites for the development of a blueberry farm in Western Cape.

Responsibilities included site visits, drafting of the screening report and associated recommendations and considerations against the requirements of the EIA Regulations, 2014, as amended, as well as liaison with the project team. I also managed financial and timeline aspects of the project.

Environmental Opportunities and Constraints Analysis for the development of a Nelson Mandela Memorial at UCT

Required management of freshwater ecologist and botanist and incorporation of their studies (as well as input from engineers and town planners) into the Opportunities and Constraints Report, drafting of the Opportunities and Constraints Report as well as liaison with the project team. I also managed financial and timeline aspects of the project.

Environmental Opportunities and Constraints Analysis to inform the design of a Conceptual Framework for the Boschendal Farm

Required management of freshwater ecologist, faunal specialist and botanist and incorporation of their studies (as well as input from engineers and town planners) into the Opportunities and Constraints Report, drafting of the Opportunities and Constraints Report as well as liaison with the project team and the authorities (i.e. Stellenbosch Municipality and DEA&DP). I also managed financial and timeline aspects of the project.

Environmental screening of a site in Retreat for a special needs school

Included management of a heritage practitioner, freshwater ecologist, and botanist and incorporation of their findings as well as consideration of the project scope against the requirements of the EIA Regulations, 2014 as amended and compilation of recommendation for the way forward and potential listed activities triggered. I also managed financial and timeline aspects of the project.

High-level Environmental Screening for 134 NMT links in the Overstrand Municipality

Desktop review of spatial data on environmental sensitivities considered with the project scope against the requirements of the EIA Regulations, as amended as well as the requirements of the National Water Act and National Heritage Resources Act. I also managed financial and timeline aspects of the project.

Preliminary investigation and legislative review for the proposed IRT Feeder Routes

Provision of opinion on required processes, liaison with the authorities, client and management of project and budget. I also managed financial and timeline aspects of the project.

Feasibility Assessment, Student Accommodation on Erf 24020-RE, Belhar

Assessment included liaison with the authorities, review of legal requirements, desktop research to establish environmental sensitivities on site as well as a site visit. I also managed financial and timeline aspects of the project.

Feasibility Assessment, Student Accommodation at King Hintsha Campus, East London

Assessment included liaison with the authorities, review of legal requirements, desktop research to establish environmental sensitivities on site as well as a site visit. I also managed financial and timeline aspects of the project.

Ad Hoc provision of Opinion to the South African Property Owners' Association

Provision of opinion with regard to the relevance of environmental legislation and activities on proposed development. Opinion has also been provided in terms of the implication of amendments to legislation.

GIBB (May 2012 – November 2013)

Environmental Impact Assessment (and EMP) for the proposed construction, operation and decommissioning of a conventional Nuclear Power Station and Associated Infrastructure (Nuclear-1) (SIP Project)

Provision of assistance with project management, acting project manager for 4 months during restructuring, coordination of 17 specialists, assistance with drafting of the EMP and public consultation,

management of project budgets and invoicing, strict quality adherence to ISO19001 as well as NEC2, team liaison, and review of specialist reports.

Environmental Impact Assessment for the Expansion of the Iron Ore Corridor from Sishen Mine to the Port of Saldanha (SIP Project)

Marielle performed the task of Assistant Project Manager for the entire development and managed project finances, the project administrative team, programme management and general project reporting in line with ISO9001 systems and NEC3 requirements.

The project was divided into a number of authorisation processes, of which Marielle was technically involved in the following:

- **EIA for Expansion at the Port of Saldanha**- background research, drafting of the Scoping Report, assistance with drafting the specialist terms of reference, management of the Public Engagement
- **BA for Third Tippler** (not part of the expansion)- background research, public engagement, and authority liaison

Environmental Impact Assessment (and EMP) for the Wolseley Wind Farm

Assistance with report and EMP drafting, specialist report review, synthesis of specialist reports as well as specialist liaison and coordination.

Environmental Impact Assessment (and EMP) for the Caledon (Langhoogte) Wind Farm

Assistance with report and EMP drafting, specialist report review, synthesis of specialist reports as well as specialist liaison and coordination.

Environmental Impact Assessment for a Dedicated Isotope Production Reactor (DIPR) for the South African Nuclear Energy Corporation (NECSA)

The EIA was for a nuclear reactor with associated infrastructure at the NECSA Pelindaba site, North West Province. The nuclear reactor was to be solely utilized for the purpose of producing radio isotopes and not for energy production. Marielle assisted with drafting of the scoping report as well as general project team liaison and task management.

Basic Assessment for a Road Upgrade in Rawsonville

Writing of the draft Basic Assessment Report, review of specialist report, management and liaison with specialists, management of project budgets and invoicing, and programme management.

Environmental Impact Assessment (and EMP) for the Sowa Water Master Plan Update, Botswana

Project management, compilation of the scoping and environmental impact reports, compilation of the EMP, management and involvement in a thorough Public Consultation Process in Botswana, management of specialists, authority liaison and general team liaison.

Environmental Impact Assessment for the City of Cape Town Stormwater Upgrades

The EIA covered all management and maintenance interventions undertaken within City's numerous rivers, canals, vleis, wetlands, estuaries and constructed stormwater systems and includes public participation, aquatic and botanical specialist studies. Marielle performed the role of Public Participation Officer and managed ongoing communications with I&APs as well as the compilation of entire Comments and Response Reports.

Environmental Impact Assessment for the Groot Drakenstein Sewer Pipeline

Assistance with report writing and distribution.

Environmental Impact Assessment for the St. Helena Wind Farm

Assistance with site research and report compilation.

Integrated Rapid Transit Infrastructure for the City of Cape Town

Conducted Environmental site audits and reporting as well as facilitation of public engagement.

Skoongesig Transmission Line

Conducted ECO audits and reporting as well as environmental training for workers.

Millennium Challenge Corporation Mozambique Compact

Independent environmental services for projects part of the \$507 million Mozambique Compact, which is funded by the Millennium Challenge Corporation (United States of America). Marielle provided assistance with report editing and compilation for the environmental audits conducted in Mozambique by the ECO.

APPEALS

Provision of guidance and advice to the client during the appeals phase as well as circulation of additional information for public comment and compilation of the comments and response report. I also managed financial and timeline aspects of the project.

Appeals on King Air Amendment Application

Provision of guidance and advice to the client during the appeals phase as well as providing responses to appeal comments regarding the EIA process. I also managed financial and timeline aspects of the project.

Appeals on LPG Handling Facility EIA, Saldanha

Provision of guidance and advice to the client during the appeals phase as well as providing responses to appeal comments regarding the EIA process. I also managed financial and timeline aspects of the project.

Appeals on ad hoc development setback line for 6 Victoria Road, Clifton

Provision of guidance and advice to the client during the appeals phase as well as providing responses to appeal comments regarding the EIA process. I also managed financial and timeline aspects of the project.

WATER USE LICENSE:

Water Use License and a General Authorisation for the development of housing on Erf 212 and Erf 242 respectively for the Protea Village land claim project.

Marielle also managed financial and timeline aspects of the project.

General Authorisation for various work packages (i.e. sections along Govan Mbeki Road) as part of the IRT Phase 2A trunk route infrastructure planning approvals.

Marielle also managed financial and timeline aspects of the project.

Amended Water Use License Application for the Proposed Biogas Plant at Cape Dairy farm, Malmesbury

Amendment of the application forms and submission to the authorities, liaison with the authorities and specialists, client and budget management. Marielle also managed financial and timeline aspects of the project.

Tokai Estate

Compilation of water use license application for the development of Tokai Estate, liaison with authorities and client. Marielle also managed financial and timeline aspects of the project.

Kylemore

Compilation of water use license application for the development of the housing development in Kylemore, liaison with authorities and client. Marielle also managed financial and timeline aspects of the project.

WATER SAFETY PLANS:

Writing of Water Safety Plans (which includes a review and necessary understanding of geohydrological reports, SANS241-1 standards, technical design reports, water services intermediary requirements of the City of Cape Town, and water treatment plants and related operations) under a contract with Western Cape Government for a number of health facilities in the Western Cape. I wrote the Water Safety Plans for the following facilities:

- o Eerste River Hospital;
- o Grassy Park Community Day Clinic;

- Michael Mapongwana Community Health Centre;
- Vredelus House Child and Youth Care Centre;
- Khayelitsha Hospital; and
- Gugulethu Community Health Centre.

WASTE MANAGEMENT LICENSES:

Waste Management License Variation Application for the Biogas Plant on Farm Boschkop, Bronkhorstspuit

Completion of the application form and associated motivation, liaison with client and authorities. Marielle also managed financial and timeline aspects of the project.

Waste Management License CSIR Biogas Plant

Completion of application form and associated assessments as part of the CSIR Biogas EIA listed above. Marielle also managed financial and timeline aspects of the project. This project was eventually put on hold and the process did not run to conclusion.

PEER REVIEW:

Peer Review in terms of the requirements of Regulation 34 and Appendix 7 of GN No. 326 of 2017 of the audit report compiled by GIBB for the triangle light industrial development and amendments to the Kuils River

Review of the audit report compiled by GIBB while considering its alignment with the regulations and compiling a peer review report. I also managed financial and timeline aspects of the project.

DEMOLITION PERMIT APPLICATIONS:

Application for Demolition of King David Golf Course Clubhouse and associated buildings

Completion of application form, reviewed by heritage practitioner, and submission to/liasion with HWC. I also managed financial and timeline aspects of the project.

Application for Demolition of the Clovelly Station Platform

Completion of application form, reviewed by heritage practitioner, and submission to HWC. I also managed financial and timeline aspects of the project.

TENDERS:

Compilation and drafting of tender documents as well as the management of the process and administrative support.

ACADEMIC RECORD

Degrees

MSc Environmental Management (UNISA) - ongoing part-time

BSc (Hons) Environmental Management (UNISA)

BSc Environmental Management majoring in Zoology and Geography (UNISA)

Certificates

ICDL

MS Project Level 1

MS Project Level 2

Professional Registration

SACNASP- Trainee Certificated Natural Scientist, Level B (600001/15)

EAPASA - 2019/1988

Recreation

Open Water Diver
Advanced Open Water Diver
Enriched Air Diver

PRESENTATION AT CONFERENCES

LPG Africa Conference April 2016, Hilton Hotel, Sandton

Speaker at the conference "EIA Process and Challenges and Opportunities for LPG Facilities"

REFERENCES
