

Michelle Miles

Junior Environmental Advisor

Education

Honours, Environmental Management, Rhodes University, Grahamstown, South Africa, 2014

BSc, Environmental Science, Rhodes University, Grahamstown, South Africa, 2013

Professional Affiliations

Registered EAP (EAPASA) - Member

Summary of Experience

Michelle has 4 years' experience in the environmental field in South Africa. She has been involved in projects within various phases of the project lifecycle, ranging from conceptual studies all the way through to execution.

Michelle has gained experience in various environmental authorisation processes such as Environmental and Social Impact Assessments, Basic Assessments, Water Use License Applications, and General Authorisations. She has also been involved in the development of environmental management programmes (EMPr's), undertaken impact assessments, and conducted public participation processes. Furthermore, she has developed environmental permitting strategies, environmental design criteria and undertaken environmental compliance auditing and water monitoring.

Michelle has a good understanding of South African environmental legislation and the legislated environmental permitting process, and understands how to execute this process within budget and regulated timeframes.

Relevant Experience

Western Cape Government, Periodic Maintenance of TR2/12 – Kurland to Eastern Cape Border (Bloukranspas), Western Cape, South Africa, Environmental Assistant. Hatch was appointed by the Western Cape Government to conduct the engineering as well as the environmental for the periodic maintenance of the TR2/12 as well as some small roads around it. Michelle



Assisted with the compilation of a permitting strategy as well as a the compilation of a Minimum Applicability Checklist which was sent to the Department of Environmental Affairs and Development Planning to confirm the listed activities.

Anglo American Platinum, SO₂ Abatement Project , Polokwane, South Africa, Environmental Control Officer. Anglo American Platinum (AAP) operates the Polokwane Metallurgical Complex within the province of Limpopo. According to the National Environment Management : Air Quality Act (NEMA:QA) all companies within South Africa need to comply with more stringent air emissions regulations. Due to this AAP has designed and construction an SO₂ Abatement Plant to convert the SO₂ into H₂SO₄.

The project received environmental authorisation which required an Environmental Control Officer to ensure compliance of all contractors. Michelle conducts weekly audits of the construction site as well as reviews all Environmental Management Plans and Method statements to ensure these are in accordance with the EA and EIA.

Richards Bay Minerals (Rio Tinto), Zulti South Project, Richards Bay, South Africa, Environmental Assistant. Hatch is the lead in the EPCM Contractor to RBM for the development of the Zulti South mining lease area development. The two major components of the Project are (1) mining the lease area, and (2) constructing a services corridor including water supply, electrical supply and slurry pipeline between the Zulti South lease area and RBM's plant about 40 kilometres south near the town of Richards Bay.

Michelle assisted with the incorporation of all legal, approved permits into environmental management specifications; to establish environmental management criteria for tender adjudication; to assist in adjudicating tenders; and to advise on environmental management matters throughout the feasibility and implementation phase. Michelle has also assisted with the compilation of the environmental documentation and well as management of contractors for the construction phase of the project.

Sasol Group Technology, Pre-Feasibility Study for the Coarse Ash Disposal Project, Secunda, South Africa, Environmental Lead. Secunda Synfuels Operations (SSO) estimated that the current electrical and mechanical infrastructure for the depositing of the coarse ash will be insufficient in the next 2 years.

Hatch was appointed to provide a Short-Term Solution (STS), a Short Term Critical Solution (STC) as well as a Long-Term Phase (LTP). Michelle conducted the environmental component of this project. This included reviewing all current and available permits and licenses and compiling an environmental design criteria as well as a permitting strategy.

Western Cape Government, Flood Damage Repairs to Structure on the MR309 in Seweweekspoort Pass, Western Cape, South Africa, Environmental Assistant. Hatch Environmental Services Group was appointed to conduct the Environmental Authorisation Process for the flood damage repairs of road MR309 within the Seweweekspoort Pass within the Western Cape. A Basic Assessment was required for the repairs to be conducted due to several triggers. The following was conducted as part of the Basic Assessment process:

- Public Participation Process
- Interaction with all Interested and Affected Parties
- Compilation of the Environmental Management Programme for the construction and operation phase
- Management of Specialist (Botanical, Freshwater and Heritage)
- Assessment of the impacts of the repairs on the environment
- Compilation of the draft and final Basic Assessment Report

Department of Water and Sanitation, Jericho Pump Station Refurbishment Project, South Africa, Environmental Assistant. Hatch ESG was appointed by the Department of Water and Sanitation to conduct the Environmental Authorisation Process(Basic Assessment) for the activities associated with the refurbishment of the Jericho Pump Station. The Jericho Pump Station is a National Key Point as it provides water to the surrounding key industries. Michelle assisted with the compilation of the Draft and Final Basic Assessment which included:

- Baseline of the affected area
- Identification of Interested and Affected Parties
- Public Participation Process
- Assessment of the potential impacts the construction and operation phase have on the surrounding environment
- Compilation of the Environmental Management Programme
- Liaison with competent and commenting authorities

Matjhabeng Local Municipality, Nyakallong, Virginia and Theronia Waste Water Treatment Works Upgrade, Free State, South Africa, Junior Environmental Advisor . Hatch was appointed as the environmental consultants to do three Environmental Impacts Assessments for the refurbishment of the Nyakallong, Virginia and Theronia Waste Water Treatment Works(WWTW). Michelle assisted with the compilation of the Scoping Report and the Environmental Impact Assessment Report for the three WWTW. This included outlining the baseline of the area, assessing the impacts according to the methodology adopted and compiling an Environmental Management Programme to be implemented as part of construction and operation of the WWTW's.

Keben and Associates, African Renaissance LNG Pipeline Project, Mozambique, Environmental Assistant . This project involved a pre-feasibility study review of a 2000 km LNG pipeline from the Gas field in Northern Mozambique to Gauteng in South Africa. Evert provided expert ecological and environmental input into the route alignment options and was also in charge of project management for the South African portion of the project. The project formed part of a multicountry (Mozambique and South Africa) review and included a social and environmental sensitivity analysis, heritage review, social review, ecological review and legal and permitting analysis of the pipeline route alignment proposed.

Altech Chemicals Ltd, Integrated Environmental and Social Report, South Africa, Environmental Assistant . Hatch was appointed to conduct an integrated environmental and social report which included looking at various locations which comply with IFC standards as well as Malaysian Legislation and Australian Legislation.

Eskom Holdings SOC Limited, Majuba Rail Project , Mpumalanga, South Africa, Environmental Assistant . Eskom required a Health, Safety and Environmental Consultant for the construction of a 68 km Railway line from the Majuba Power station to the town of Ermelo. Hatch is responsible for Health and Safety as well as Environmental compliance for the duration of the construction of the railway line.

Gauteng Province, Office of the Premier, Gauteng Integrated Infrastructure Management Plan, Gauteng , South Africa, Environmental Assistant . Hatch was appointed to create a master plan of all infrastructure within Gauteng. Hatch provided engineering as well as geographical information system (GIS) services to the Office of the Premier.



Career History

2017 - 2018 Hatch Africa (Pty) Ltd, South Africa. Junior Environmental Advisor

2016 - 2017 Hatch Africa (Pty) Ltd, South Africa. Environmental Intern

Languages

English