



Curriculum Vitae

Rhys Giljam, Environmental Consultant – WSP Environmental

Professional Qualifications

- MSc (Physical Oceanography), University of Cape Town, 2002.
- Bachelor of Science (Honours) in Physical Oceanography, University of Cape Town, 2000.
- Bachelor of Science (Majors: Ocean & Atmospheric Science and Environmental & Geographical Science), University of Cape Town, 1999.

Professional Courses

Environmental Management Systems Auditing Course

Year of Birth

1978

Nationality

Dual British and South African

Languages

English, Afrikaans

Career Profile

Rhys has an oceanographic background with a specific interest in water quality. He has experience in both groundwater and surface water projects in freshwater and marine systems. Prior to working at WSP Rhys ran a water quality laboratory at the University of Cape Town

Rhys has three years consulting experience. His primary project experience includes specialist input into EIA's, compliance and due diligence auditing, compliance monitoring, and contaminated land investigation and remediation.

Areas of Expertise

Chemical Oceanography, Environmental Water Quality Investigations (oceanographic, hydrogeological and fluvial systems), Compliance Monitoring, Contaminated Land Investigations, Environmental Due Diligence Audits, Environmental Impact Assessments, Environmental Management Plans

Countries Worked

South Africa, Seychelles, Nigeria, Antarctica.



MAJOR PROJECT EXPERIENCE

Environmental Investigations

Cerebos Salt Works Velddrif – Aquaculture Feasibility Study

Study to assess the feasibility of converting the evaporation ponds at the Cerebos Salt Works into ponds suitable for aquaculture. The scope of work included determining the level of salt and metal contamination in the substrate of the ponds and the leaching potential from the substrate to ascertain if the ponds are suitable for the proposed future use.

Ile Aurore Nouvelle – Baseline Water Quality Study

Baseline study to establish the water quality in the nearshore region adjacent to Ile Aurore Nouvelle situated on the east coast of Mahe, Seychelles, prior to the expansion of the island through land reclamation and the construction of a luxury golf course and marina development.

Ile Aurore Nouvelle – Marine Ecology Impact Assessment

Baseline study of the marine ecology adjacent to Ile Aurore Nouvelle situated on the east coast of Mahe, Seychelles, prior to the expansion of the island through land reclamation and the construction of a luxury golf course and marina development.

Baja Sardinia, Langebaan

Baseline groundwater study of the Baja Sardinia site situated adjacent to the environmentally sensitive Langebaan Lagoon and West Coast National Park. The project involved determining groundwater flow on the site and pollution pathways between the proposed development and the lagoon.

Dassenberg Farm, Noordhoek

Baseline groundwater investigation of the Dassenberg Farm, situated in Noordhoek adjacent to the Table Mountain National Park. The investigation determined the quantity and quality of groundwater recharge into the Loch Venus wetland and subsequently the likely impacts associated with developing the farm.

George Rex Drive, Knysna

Baseline groundwater study on a previously impacted site in Knysna. The project determined the level of contamination on the site resulting from passed land use and nearby point sources of pollution, including a waste water treatment works. Recommendations were made on the suitability of the site for a residential development which included groundwater fed, surface water features.

Contaminated Land Site Investigations

Denel Land Systems Western Cape - Philippi Munitions Facility

Responsible for the Phase II: Site Characterisation Study of the DLS Philippi munitions facility. The Site Characterisation Study included a baseline geochemical survey of the surface soils on the site and surrounding area, characterisation of contaminated areas on the site, a quantitative human health and environmental risk assessment and preliminary remediation plan.

Denel Land Systems Western Cape – Wellington Production Facility



Investigated the possible contamination of groundwater down gradient of the effluent treatment facility and evaporation ponds used to dispose of effluent generated by production processes on the site.

Albertinia Wood Treatment Facility, Albertinia

Performed a preliminary contamination assessment of the wood treatment facility comprising an invasive investigation and human health and environmental risk assessment.

Investigation of Underground Storage Tanks, SASOL (Pty) Ltd

Environmental Risk Assessment of underground storage tanks situated on four City of Cape Town properties.

Environmental Audits

ROSE Foundation

Environmental Compliance Audit of used oil collection and processing facilities regulated by the ROSE Foundation

NORA Used Oil Collectors

Environmental Compliance Audit of used oil collectors in the Western Cape

Denel Naschem Facility, Potchefstroom

Responsible for undertaking an Environmental Audit and Contamination Assessment of the munitions assembly and testing facility to determine the Environmental Liability associated with past and present operations at the facility.

Denel Pretoria Metal Pressings, Pretoria West

Responsible for undertaking an Environmental Audit and Contamination Assessment of the two PMP Facilities namely the metal pressing facility and forge at PMP West and assembly and testing facility at PMP Church Street. The purpose of the audit was to determine the Environmental Liability associated with past and present operations at the facility.

Denel La Forge Facility, Anderbolt

Responsible for undertaking an Environmental Audit and Contamination Assessment of metal pressing facility to determine the Environmental Liability associated with past and present operations at the facility.

Neutron Paints, Atlantis

Audit team member. Environmental Due Diligence audit to identify potential environmental impacts, non-compliance of legislation, and recommend environmental best practice.

Environmental Impact Assessments/ Basic Assessments

Ile Aurore Nouvelle Environmental Impact Assessment

Member of the EIA team and involved in the Specialist Studies and drafting of the Environmental Management Plan, for a luxury golf resort development constructed on reclaimed land on Mahe Island, Seychelles.

Denel Philippi Relocation Environmental Impact Assessment



Member of the EIA team and involved in the Specialist Studies, Public Participation Process and drafting of the Environmental Management Plan for the relocation and expansion for a munitions facility.

Denel Philippi Decommissioning Basic Assessment

Member of the consulting team who undertook the basic assessment for the decommissioning of the Denel Philippi facility.

Environmental Management Plans

Ile Aurore Nouvelle, Seychelles

Developed EMP's for the construction and operational phases of a luxury golf course development in the Seychelles, including a specialised marina management plan.

Denel Land Systems, Philippi

Developed the EMP for the relocation and decommissioning of the DLS Philippi munitions facility.

Compliance Monitoring

Thesen Islands, Knysna

Quarterly environmental monitoring of ground water, surface water and canal sediments at the luxury marina development, constructed on a remediated and re-developed wood treatment facility adjacent to the environmentally sensitive Knysna lagoon.

Historic Paarl Golf Club, Paarl, Western Cape.

Quarterly sampling and geochemical assessment of the groundwater at the Historic Paarl Golf Club constructed on the decommissioned and redeveloped Wateruintjiesvlei Waste Disposal site.

Denel Land Systems Somerset West, Somerset West

Annual monitoring of the groundwater at the Denel Land Systems facility in Somerset West.

Kenilworth Race Course, Kenilworth

Post construction ground and surface water monitoring to determine whether construction guidelines established to conserve a ground water fed, protected wetland and fynbos habitat were adequate.

Permit and License Applications

Denel Land Systems Somerset West -Effluent Permit Requirements

Gap Analysis of effluent permit requirements brought about by the relocation of activities at the DLS Philippi munitions facility to one of two alternate venues. Recommendations on the effluent disposal options at each of the alternate venues were made and the additional permits required identified.

Denel Land Systems Wellington– Water License Application

Compiled and submitted the application for a water use license to the Department of Water Affairs and Forestry (DWAF) to discharge industrial effluent into evaporation dams.



EMPLOYMENT HISTORY

WSP Environmental (Pty) Ltd

Consultant

April 2006 to present

See descriptions under Major Project Experience above for position and duties.

University of Cape Town, South Africa

Lecturer - Department of Oceanography

September 2003

Taught an eight lecture module to second year oceanography students titled, "Physical Properties, Water Quality and Marine Pollution". Further responsibilities included teaching and marking the practical component of the course.

Laboratory Technician

August 2001 to January 2004 -

Responsible for the operation and upkeep of a water analysis laboratory primarily analysing nutrient concentrations in sea water.

Alfred Wegener Institute

Research Scientist

November 2002 to January 2003

Responsible for the collection, preparation and analysis of water samples for nutrients and dissolved oxygen on the research vessel Polarstern.

Smit – Pentow Marine (Pty) Ltd.

Consultant

August 2003.

Consultant overseeing the re-floating of the beached fertiliser carrier 'Ikan Tanda' off the Cape coast.