



## Helen Crosby

Technical Director, International E&S

### CAREER SUMMARY

Helen has 28 years' experience as an Environmental Consultant, specialising in the management of environmental and social assessment for large, complex capital projects where compliance with Equator Principles 4 and international lender standards is required. Helen has worked in several sectors, including infrastructure (roads, ports, oil and gas, mining, energy, tourism and urban development). Her experience includes all aspects of ESIA planning and management, compliance reviews, policy and regulatory framework reviews and supporting engineering design processes. Other experience includes policy assessment, environmental and social due diligence studies, market analysis and sustainable finance. Helen holds qualifications in science, business and law, and can therefore bring an integrated approach to projects with a commercial perspective and a commitment to technical excellence. Helen has strong project management skills, having a firm understanding of the life cycle of a project and remains dedicated to ensuring the successful completion of large scale multidisciplinary projects.



Helen's professional interests include biodiversity issues within the context of ESIA preparation, sustainable finance and policy development.

Helen has delivered projects in South Africa, Botswana, Zanzibar, Tanzania, Guinea, Jordan, Lebanon, Saudi Arabia, Mongolia and Jordan.

---

### 28 years consulting experience

#### Area of expertise

#### Language

Environmental and Social Impact Assessment project management where compliance with international lenders standards is required. Regulatory review and environmental design standard integration with engineering design process.

English, Afrikaans

### EDUCATION

LLB. Birkbeck, University of London	2009-2012
MBA. University of Cape Town	1993
MSc. University of Port Elizabeth (Oceanography)	1990-1992

### ADDITIONAL TRAINING

Strategic Environmental Assessment and Sustainability Appraisal – Masterclass, RTPi Conference	2006
Multilevel Modelling Workshop, Centre for Quantitative Social Sciences, University of Bristol	2005
Environmental Impact Assessment course, University of Potchefstroom	1992
Integrated Environmental Management: Theory and Practice Assessment, University of Cape Town	1992



## Helen Crosby

Technical Director, International E&S

### PROFESSIONAL HISTORY

Independent ESIA Consultant, London	2008-2022
Eden Tree Investment Management Limited (part-time), London	2008 – 2022
Arup Plc, London	2001-2008
Arup Pty Ltd, Johannesburg	1997-2001
L&W Environmental Pty Ltd, Johannesburg	1994-1997
Waste-tech Pty Ltd, Port Elizabeth	1992

### PROFESSIONAL EXPERIENCE

#### Compliance and Regulatory Review

**Northern Island Department for the Economy, Future Onshore Petroleum Exploration and Production, including Unconventional Oil & Gas, Northern Ireland, Northern Ireland**  
2021

##### Senior Manager

Assessment of environment issues relating to research of economic, social and environmental impacts of onshore petroleum exploration and production.

**Pearl Crescent Petroleum, Khor Mor KM250A expansion project, Kurdistan, Iraq**  
2021

##### Senior Manager

Compliance check of the gap analysis of the environmental and social action plan and preparation of an implementation tracker for the project Environmental and Social Management System (ESMS).

**Société des Mines de Fer de Guinea (SMFG), Nimba Iron Ore Mine, Guinea**  
2021

##### Senior Manager

Review of national and international regulations and preparation of Code of Practice for hazardous materials storage and transport for Nimba Iron Ore Mine.

**Société des Mines de Fer de Guinea (SMFG), Nimba Iron Ore Mine, Guinea**  
2021

##### Senior Manager

Preparation of legal review chapter for ESIA and review of project environmental design standards for the Nimba Iron Ore mine design process, Guinea. Preparation of monthly project progress reports.

**China National Gold, Regulatory Framework Due Diligence, Senegal, Burkina Faso and Suriname**  
2021

##### Senior Manager

Review of environmental and mining regulatory framework of Senegal, Burkina Faso and Suriname as part of due diligence of a mining asset portfolio.

**Anaklia Development Consortium, Anaklia Deep Water Port, Georgia**  
2019

##### Client Technical Advisor

ESIA compliance review to EBRD Performance Requirements and ADB Safeguard Policy Statement for a deep water port. Additional tasks included preparation of the ESMMP and drafting the environmental monitoring of early dredging works report.



## Helen Crosby

Technical Director, International E&S

**Keliber OY, Definitive Feasibility Study, Ostrobothnia, Finland  
2018**

**Senior Manager**

Preparation of Chapter 20 for DFS and check of ESIA for compliance with IFC performance standards for five lithium mines, a concentrator and hydrometallurgical plant development.

**Ma'aden, Al Jalamid Phosphate Mine, Saudi Arabia  
2018**

**Senior Manager**

Assessment of environmental issues arising from expansion of the minerals processing plant at the Al Jalamid phosphate mine.

**Environmental and Social Assessment**

**Project Management**

**Rio Tinto Plc, Oyu Tolgoi, Mongolia  
2012-2013**

**Project Manager**

Responsible for the successful completion of the Supplemental EIA for a 35kV power line and Supplemental EIA for a road diversion to IFC and EBRD standards. Additional work included a review of construction and operational management plans, preparation of a screening method for associated infrastructure projects and drafting sections of the Environmental and Social Action Plans for the Oyu Tolgoi mine.

**Korea Electric Power Corporation (KEPCO), Nuclear Power Plant, Hashemite Kingdom of Jordan  
2015-2016**

**Project Manager**

Completed a review of environmental and social studies for candidate site as part of Preliminary Safety Analysis Report for the proposed Nuclear Power Plant, Jordan in compliance with IAEA safety standards, NRC (10 CFR) regulations and Jordanian legislation.

**Daimler-Chrysler, Paintshop ESIA, South Africa  
1998-1999**

**Project Manager**

Responsible for the successful completion of the Environmental and Social Impact Assessment for a new paintshop facility at the East London assembly plant.

**Pangea Exploration Ltd, Proposed Mine Development, Tanzania  
1998**

**Project Manager**

Completed a Scoping exercise for a proposed mining development in Tanzania.

**Catholic Diocese of Gaborone, Kgale Quarry, Botswana  
1997**

**Project Manager**

Conducted an environmental constraints mapping exercise of quarry operation to establish future-use options for site outside Gaborone.

**Management of Resources and Environmental Strategy (MORES), Janneh Dam, Lebanon  
2019**

**Project Manger**

Conducted a review of ecological flow methods with recommendations for the preferred method as input to the Operational Management Plan for Janneh Dam.

**JJ Gallagher Ltd, Mixed-use Development, United Kingdom**



## Helen Crosby

Technical Director, International E&S

**2005-2005**

**Project Manager**

Responsible for the successful completion of Environmental and Social Impact Assessment for a mixed-use development planning application in Lower Hamworthy, Poole.

**New Discovery Investments (Pty) Ltd, Pemba Island Lodge, Zanzibar**

**1999-2000**

**Project Manager**

Responsible for the successful completion of Environmental and Social Impact Assessment for a proposed luxury lodge development on Pemba Island, Zanzibar.

**Forth Ports, Leith Docks Redevelopment, United Kingdom**

**2006**

**Project Manager**

Environmental and Social Impact Assessment for Leith Docks redevelopment planning application, Edinburgh.

**New York City Transit, 2<sup>nd</sup> Avenue Subway, United States of America**

**2002-2005**

**Project Manager**

Completed the sustainability appraisal and developed sustainability design standards in support of 2nd Avenue Subway engineering design process.

**Department of Public Works, Robben Island Outfall Pipeline, South Africa**

**1998**

**Project Manager**

Responsible for the establishment of water quality monitoring program and commissioned baseline ecological studies and a dispersion study for a marine outfall pipeline on Robben Island.

**Standards and Permitting**

**Confidential Client, Chemical Facility, Saudi Arabia**

**2020**

**Project Manager**

Preparation of environmental permitting roadmap following the Royal Commission Environmental Regulations as input to a FEL2 design process for a chemical facility, Saudi Arabia. Identified environmental design standards and contributed to design risk workshops.

**Confidential Client, Aluminium Smelter, Kuwait**

**2020**

**Project Manager**

Preparation of roadmap for achieving certification to the Aluminium Stewardship Initiative Performance and Chain of Custody Standards for a greenfield aluminium smelter in Kuwait.

**Sustainable Finance**

**Basslink Pty Ltd, Bass Strait Interconnector, Victoria, Australia**

**2021**

**Project Manager**

Verification audit of the Operating Management Plan Audit Report for the Bass Interconnector as input to due diligence exercise for sustainability loan agreement.

**MORES, Bisri Dam, Lebanon**

**2018**

**Project Manager**



Identification of financing mechanisms for ecological offset strategy as input to the Operational Management Plan for Bisri Dam.

**Crown Estate, Sustainability Framework, United Kingdom  
2008**

**Project Manager**

Sustainability appraisal framework for integration with capital projects investment process of the Crown Estate Marine Division.

**Strategic Environmental Assessment/Policy Development**

**Department of Communities and Local Government, Ex-ante evaluation of Operating Plan, United Kingdom  
2006-2007**

**Project Manager**

SEA for Operating Plan of Ex-ante Assessment for each of London and South-East regions.

**Department of Environmental Affairs & Tourism, White Paper on IPCC&WM, South Africa  
1994-1997**

**Project Administrator**

Development of a White Paper on Integrated Pollution Control and Waste Management. Additional tasks included stakeholder engagement, public workshops and researching status of recycling in South Africa.

**Golder Associates Ltd/WSP – Montréal**

**Education**

*MA Sociology, Université Laval, Québec, 1987*

*BA Anthropology, Université Laval, Québec, 1985*

**Certifications**

*Basic Offshore Safety Induction and Emergency Training (BOSIET)*

*Helicopter Underwater Escape Training (HUET)*

**Languages**

*English*

*French*

*Wolof (Senegal, Gambia and Mauritania)*

Hélène Marchand is a **Project Director for Environmental and Social Impact Assessments (ESIAs)** at Golder /WSP. She has over 30 years of experience. She has perfect command of international environmental and social standards including those of the World Bank Group.

Her extensive international field work experience includes Senegal, Burkina Faso, Cameroon, Democratic Republic of Congo, Gabon, Guinea, Madagascar, Mali, Mauritania, Morocco, Niger, and Western Sahara.

Since 2013, her work has focused on offshore oil and gas projects. She has led ESIAs for exploratory drilling projects, seismic surveys, controlled source electromagnetic (CSEM) surveys, and Liquefied Natural Gas (LNG) development projects. She is the Golder /WSP ESIA Project Director for bp’s Phase 2 of the Greater Tortue/Ahmeyim (GTA) LNG development project offshore Mauritania and Senegal. This assignment is in continuity with her previous responsibilities as ESIA Project Director for Phase 1 of the GTA project from 2016 to 2019. Since the approval of the GTA Phase 1 ESIA, Hélène Marchand has been supporting bp on a continuous base, leading a series of environmental and social assignments associated with the GTA Phase 1 project.

In 2021, she was invited by Energy Council to take part in a panel discussion during an Oil and Gas international event organised for the MSGBC Basin.

In addition to ESIA project direction, her responsibilities include coordinating large teams of international and national subcontractors, leading the social component of ESIAs and public consultation, and liaison with environmental regulators and other national authorities.

She is based in the Golder/WSP Montreal office in Canada

**SELECTED PROJECT EXPERIENCE IN THE LAST TEN YEARS**

**Pre-ESIA Work for the BirAllah LNG Development Project (Kosmos Energy)**  
Mauritania,  
Since 2022-Ongoing

Project director for the Concept Selection Study support and Pre-ESIA work for the BirAllah LNG development project in Mauritania. The project includes offshore and onshore components. In addition to project direction, responsibilities include the environmental and social screening of the project, the development of the ESIA Terms of Reference, and in-country ESIA preparatory work.

**ICPE Permit for the GTA Phase 1 Project Offshore Mauritania and Senegal (bp)**  
Senegal  
Since 2021-Ongoing

Project Director for the preparation of the ICPE (Installations classées pour la protection de l’environnement) environmental permit submission to the Senegal regulator for the GTA Phase 1 LNG development project. Preparation of the ICPE files includes identification of equipment and substances at the project facilities, and their regime according to the ICPE nomenclature. The assignment also includes support to bp as required during the permitting process.

**Livelihood Restoration Framework for the GTA Phase 1 Project Offshore Mauritania and Senegal (bp)**  
Senegal  
2021-2022

Project Director for the preparation of a Livelihood Restoration Framework (LRF) for the GTA Phase 1 LNG development project. The purpose of the assignment is to develop an LRF and collect baseline income information of the fishing communities to guide the preparation of a Livelihood Restoration Plan (LRP) in the unlikely event of a spill. In addition to project direction, responsibilities include senior social guidance for the development of the research methodology and the field work, along with drafting the LRF.

**Boujdour Windfarm Project (ENEL Green Power)**  
Western Sahara  
2020

Senior social advisor for a Social, Environmental and Economic Context Analysis (SEECA) for a wind farm project in the disputed territory of Western Sahara. Responsibilities included strategic advice to the Client and organizing consultations with Sahrawis in a very sensitive area, with the additional challenge of the Covid-19 pandemic.

**Biodiversity Action Plan and Management Plan for the GTA Phase 1 Project (bp)**  
Mauritania and Senegal,  
2019 – 2020

Project Director for the development of a Biodiversity Action Plan and a Biodiversity Management Plan (BAP/BMP) for the construction phase of the GTA Phase 1 LNG development project. Responsibilities included ensuring consistency between the BAP/BMP and the approved GTA Phase 1 ESIA.

**Advisor for the Environmental and Social Aspects of the Senegal Solar Photovoltaic Power Project (IFC)**  
Senegal, 2019-2020

Project Director for the provision of environmental and social advisory services to the International Finance Corporation (IFC) to support the implementation of grid-connected photovoltaic installations on an independent private producer basis on several sites throughout Senegal. Advisory services included revision of resettlement action plans.

**ESIA for the GTA Phase 2 Gas Production Project Offshore Mauritania and Senegal (bp)**  
Mauritania and Senegal  
Since 2019 –  
On Hold

Project Director for the ESIA of Phase 2 of the Greater Tortue/Ahmeyim (GTA) LNG development project offshore Mauritania and Senegal. The GTA Phase 2 Project will support an expansion to the GTA reservoirs and increased handling capacity of GTA Phase 1 Project facilities. In addition to project direction, direct responsibilities include lead of the social component of the ESIA and the ESMP, stakeholder engagement and public consultation, national regulation and environmental permitting, management of several international and in-country subcontractors, and in-country support to the Client including relations with regulators and other national authorities.



<p><b>ESIA and Environmental Baseline Report for a CSEM Survey in Blocks C8 and C13, Mauritania and in Block Saint-Louis Offshore Profond in Senegal (bp)</b> Mauritania and Senegal, 2019</p>	<p>Project Director for the ESIA and an Environmental Baseline Report of a Controlled Source Electromagnetic (CSEM) Survey in Blocks C8 and C13 in Mauritania and Block Saint-Louis Offshore Profond in Senegal. In addition to project direction, direct responsibilities include lead of the social component of the ESIA and the Environmental and Social Management Plan (ESMP), stakeholder engagement and public consultation, national regulation and environmental permitting, and in-country support to the Client including relations with regulators and other national authorities in Mauritania. For Senegal, responsibilities included advising the Client on the country's usual environmental regulatory requirements for a CSEM survey, and no further studies were pursued.</p>
<p><b>ESIA for the Walata Area Exploratory / Appraisal Drilling Project (Société Mauritanienne des Hydrocarbures et de Patrimoine Minier)</b> Mauritania, 2017 – 2018</p>	<p>Project Director for the ESIA of exploratory drilling project offshore Mauritania. The project included several offshore features including a drillship, support vessels and a support operation area inside the Port of Nouakchott. In addition to project direction, direct responsibilities include lead of the social component of the ESIA and the ESMP, stakeholder engagement and public consultation, national regulation and environmental permitting, management of international and in-country subcontractors, and in-country support to the Client including relations with regulators and other national authorities.</p>
<p><b>ESIA for the Block C6 Offshore Exploratory Drilling Project (Kosmos Energy)</b> Mauritania, 2017</p>	<p>Project Director for the ESIA of exploratory drilling project offshore Mauritania. The project includes several offshore features including a drillship, support vessels and a support operation area inside the Port of Nouakchott. In addition to project direction, direct responsibilities include lead of the social component of the ESIA and the ESMP, stakeholder engagement and public consultation, national regulation and environmental permitting, management of international and in-country subcontractors, and in-country support to the Client including relations with regulators and other national authorities.</p>
<p><b>ESIA for the Block C13 Offshore Exploratory Drilling Project (Kosmos Energy)</b> Mauritania, 2017</p>	<p>Project Director for the ESIA of exploratory drilling project offshore Mauritania. The project included several offshore features including a drillship, support vessels and a support operation area inside the Port of Nouakchott. In addition to project direction, direct responsibilities include lead of the social component of the ESIA and the ESMP, stakeholder engagement and public consultation, national regulation and environmental permitting, management of international and in-country subcontractors, and in-country support to the Client including relations with regulators and other national authorities.</p>
<p><b>ESIA for the GTA Phase 1 Gas Production project Offshore Mauritania and Senegal (bp)</b> Mauritania and Senegal, 2016 – 2019</p>	<p>Project Director for the ESIA of Greater Tortue/Ahmeyim (GTA) Phase 1 liquefied natural gas (LNG) production project offshore Mauritania and Senegal. The project included several types of offshore infrastructure including a submarine production system, a 125 km pipeline, an FPSO, and a nearshore Hub/Terminal including a 1.2 km breakwater and associated berthing facilities and an FLNG. In addition to project direction, direct responsibilities included lead of the social component of the ESIA and the ESMP, stakeholder engagement and public consultation, national regulation and environmental permitting, management of several international and in-country subcontractors, and in-country support to the Client including relations with regulators and other national authorities.</p>



**ESIA for the Block C12  
Offshore Seismic  
Survey Project  
(CSA with Kosmos  
Energy as final Client)**  
Mauritania, 2016

Project Co-Director for the ESIA of a seismic survey project offshore Mauritania. The project included several offshore features including a seismic survey vessel, support vessels and a support operation area inside the Port of Nouakchott. In addition to project direction, direct responsibilities include lead of the social component of the ESIA and the ESMP, stakeholder engagement and public consultation, national regulation and environmental permitting, management of international and in-country subcontractors, and in-country support to the Client including relations with regulators and other national authorities.

**ESIA for the Saint-  
Louis Offshore  
Profond and Cayar  
Offshore Profond  
Exploratory Drilling  
Project (CSA with  
Kosmos Energy as  
final Client)**

Senegal, 2015 – 2016

Project Co-Director for the ESIA of an exploratory drilling project offshore Senegal. The project included several offshore features including a drillship, support vessels and a support operation area inside the Port of Dakar. In addition to project direction, direct responsibilities include lead of the social component of the ESIA and the ESMP, stakeholder engagement and public consultation, national regulation and environmental permitting, management of international and in-country subcontractors, and in-country support to the Client including relations with regulators and other national authorities.

**Pre-ESIA Work for an  
Oil and Gas  
Exploration Project  
Offshore Senegal  
(Kosmos Energy)**

Senegal, 2014

Project Director of a support assignment to Kosmos Energy in its relation with the Ministry of Environment and Sustainable Development. Preparation of the Project Notice and the Terms of Reference for the ESIA to comply with Senegalese regulation.

**Social Impact  
Assessment for an Oil  
and Gas Project  
Offshore Western  
Sahara (CSA with  
Kosmos Energy as  
final Client)**

Western Sahara, 2014

Technical lead for the social impact assessment of an oil and gas exploration project offshore Western Sahara. Direct responsibilities included fieldwork for data collection, stakeholder engagement and public consultation, notably Sahrawi, in a very sensitive geopolitical context.

**Secondment  
Assignment for an  
Offshore Oil  
Exploration Project in  
Senegal (Cairn Energy)**

Senegal, 2013 – 2014

Six months, back-to-back, in-country assistance to ensure environmental permitting of the project required to start offshore exploration drilling activities. Support to the ESIA and the risk study validation process with the national authorities, and for submission of the ICPE and POI files to the regulator. Advisor to Cairn on how to address the authorities' comments to ensure regulatory compliance without important additional costs to the project. Identification of possible exemptions from the regulatory requirements. Link with the public authorities to push forward the environmental permitting process on a fast track. Intercultural training to in-country Cairn employees.

## CONFERENCE PROCEEDINGS

- Marchand, Hélène, Tim Cox, Ahmed Senhoury and Isaac Sahhar, *Assessing the Risk on the Development of the MSGBC Basin: Travel Bans, Regulatory Hurdles, Environmental Pressures, COVID-19 and Project Delays*, Panel Session and Q&A, MSGBC Basin Digital Summer Updates, Event organized by Energy Council, July 7, 2021.
- Marchand, Hélène. *Protocole pour l'acceptabilité sociale des projets. Les parties prenantes au coeur de l'évaluation d'impacts* (Protocol for social license of projects: stakeholders at the heart of impact assessment). Americana International Conference. Montreal. March 15, 2015.
- Marchand, Hélène. *L'acceptabilité sociale: les bonnes pratiques de consultation et d'implication des parties prenantes* (Social license: good practices of consultation and stakeholder involvement). Second edition. One-day training provided for the *Conseil patronal de l'environnement du Québec* (CPEQ). Montreal. May 29, 2014.
- Marchand, Hélène. *L'acceptabilité sociale: les bonnes pratiques de consultation et d'implication des parties prenantes* (Social license: good practices of consultation and stakeholder involvement). One-day training provided for *Conseil patronal de l'environnement du Québec* (CPEQ). Montreal. April 11, 2013.
- Marchand, Hélène and Morissette, Charles. 2008. *Cadre stratégique d'évaluation environnementale pour les projets transfrontaliers de production d'électricité dans les pays du bassin du Nil* (Strategic Environmental Assessment Framework for transboundary hydro-power projects in the Nile Basin countries). 13<sup>th</sup> international conference of the *Secrétariat international francophone pour l'évaluation environnementale* (SIFÉE), Quebec City. September 11, 2008.



## Olivia Allen

### Director: Environmental Planning & Advisory

#### CAREER SUMMARY

Olivia Allen has 18 years' experience in the discipline of Environmental Sciences. Olivia specialises in environmental assessment, regulatory compliance, waste planning and integrated project management.

As a senior consultant, Olivia has successfully led, or been part of, various projects in the mining sector of coal, gold, diamonds, copper and platinum; the petroleum sector of gas extraction; and steel, ferrochrome and electrolytic manganese dioxide industrial sectors. She has extensive experience in projects related to water management; waste management; contaminated land remediation; and decommissioning, rehabilitation and closure.

In the past, Olivia has functioned in various roles within the technical stream, including report writing; leading projects and proposal submissions; project management; project co-ordination; and working closely with engineering teams, environmental specialists, project feasibility teams, regulatory authorities, and stakeholders, to ensure successful project integration and sustainable development outcomes.



---

#### *15 years with WSP*

#### *Area of expertise*

- Conducting Environmental Impact Assessments and compiling Environmental Management Plans
- Development of Integrated Waste Management Plans
- Compiling Water Use and Waste Management Licence Applications
- Stakeholder engagement, including Regulatory Authorities
- Co-ordination of Integrated Regulatory Processes
- Environmental Compliance Assessment and Auditing

#### *18 years of experience*

#### *Language*

- English – Fluent
- Afrikaans - Fluent

#### EDUCATION

M.Sc Water Resource Management, University of Pretoria	2014
B.Sc Hons (cum laude) Geography, University of the Free State, South Africa	2003
B.Sc (cum laude) Zoology and Geography, University of the Free State, South Africa	2002

#### PROFESSIONAL MEMBERSHIPS

Environmental Assessment Practitioner Association South Africa (EAPASA) 2019/1725	2019 - present
---	----------------



## Olivia Allen

### Director: Environmental Planning & Advisory

#### PROFESSIONAL HISTORY

WSP Group Africa (Pty) Ltd.	July 2022 - present
Golder Associates Africa (Pty) Ltd.	July 2008 – June 2022
Clean Stream Environmental Services	June 2005 – June 2008

#### PROFESSIONAL EXPERIENCE

##### Oil & Gas

- Shell Exploration Company B.V., South Western Karoo Basin Gas Exploration Project, Northern, Western and Eastern Cape
- Bundu Gas and Oil Exploration, Review (and Update) of EMP for Gas Exploration, Eastern Cape
- TotalEnergies, Block 11B/12B Industrial and Social Baseline Studies, Western Cape
- Shell Downstream, Applications for Section 24G Rectification for various sites in KZN, Gauteng

##### Mine Water Treatment

- Anglo Operations Limited, eMalahleni Mine Water Reclamation Expansion Project, Mpumalanga
- Western Utilities Corporation, Mine Water Reclamation Project, Gauteng
- Anglo Operations Limited, New Denmark Colliery Reverse Osmosis Reject Pond, Mpumalanga
- Glencore, Tweefontein Mine Water Reclamation Plant, Mpumalanga
- Optimum Coal, Eikeboom Colliery Mine Water Reclamation Plant, Mpumalanga
- Anglo American Inyosi Coal, Development of a closure water management strategy for Kriel Colliery, Mpumalanga

##### Closure & Decommissioning

- Exxaro Resources Limited, Inyanda Coal Closure EMP, Mpumalanga
- Delta (E.M.D.), Closure Liability Assessment, Integrated Waste Management Plan & Integrated Regulatory Process for Electrolytic Manganese Dioxide Manufacturing Facility, Mpumalanga
- Exxaro Resources Limited, Arnot Coal Closure EMP, Mpumalanga
- Kangra Coal, Integrated Regulatory Process for closure of 2 sections of the mine
- Anglo American Inyosi Coal, Compliance Assessment of Closure Kriel Colliery's Rehabilitation Commitments, Mpumalanga
- South32, Development of an Integrated Remediation and Rehabilitation Plan for Metalloys, Gauteng
- South32, Review and Update of the Closure Costs and Integrated Rehabilitation and Remediation Plan for the Unscheduled and Scheduled Closure Scenarios for Metalloys, Gauteng
- Liberty Trust Rehabilitation Fund, Trustee

##### Other EIA's and EMP's

- Lonmin, Prospecting EMP Amendment for Akanani Mine, Limpopo
- Zululand Anthracite Colliery, EIA & EMP for new shaft developments, Kwa-Zulu Natal



## Olivia Allen

### Director: Environmental Planning & Advisory

- Exxaro Resources Limited, EIA & EMP for new pit development at Tshikondeni Coal Mine, Limpopo ▪ Anglo Operations Limited, EIA & EMP for new pit development and mine water reclamation plant at Mafube Colliery, Mpumalanga
- Exxaro Resources Limited, EIA & EMP for new pit development at Leeuwan Coal, Mpumalanga
- Blyvoor Gold Operations (Pty) Ltd, EMP Update, WULA for tailings reclamation and underground mining at Blyvooruitzicht Gold Mine, Gauteng
- South32, Application for environmental authorisation for indigenous vegetation removal at Metalloys, Gauteng
- Glencore, Application for environmental authorisation for dewatering pipeline for Goedgevonden Colliery, Mpumalanga
- Mafube Coal, Application for EMP amendment for in-pit crusher at Mafube Colliery, Mpumalanga
- New Largo Coal, Application for EMP amendment for Pits D & H, Mpumalanga
- Sopol, ESIA for the By-pass Toll Road, Kolwezi, DRC
- New Largo Coal, Application for EMP amendment for Pit F, Mpumalanga

#### Feasibility Studies

- Ivanhoe Mines SA (Platreef Resources), Waste, Environmental & Permitting Related Inputs into Platreef
- BFS, Limpopo
- Debswana, Safety and Sustainable Development Inputs into PFS for Cut 9 Jwaneng Mine, Botswana
- Debswana, Safety and Sustainable Development Inputs into PFS for Cut 3 at Orapa Mine, Botswana
- South32, Environmental Risk & Permitting Related Inputs into Closure PFS for Rietspruit Colliery, Mpumalanga
- New Largo Coal, Environmental and Social Risk & Permitting Related Inputs into Pit H BFS, Mpumalanga
- New Largo Coal, Environmental and Social Risk & Permitting Related Inputs into Main Mine BFS, Mpumalanga
- Mafube Coal, Environmental and Social Risk & Permitting Related Inputs into PFS for Mafube Debottleneck Project, Mpumalanga
- Thungela Resources, Environmental and Social & Permitting Related Inputs PFS for into Greenside 3A North Project, Mpumalanga
- Klipspruit Colliery, Environmental and Social Risk & Permitting Related Inputs into BFS for Converting from Opencast to Underground at Pit BD, Mpumalanga
- Khutala Colliery, Environmental and Social Risk & Permitting Related Inputs into BFS for two projects:
- 5 Seam Plant Re-commissioning & Converting from Opencast to Underground at Central Eastern Extension, Mpumalanga

#### Due Diligence and Asset Acquisition

- ENSAfrica, Development of an Environmental Action List and Associated Costing for Evraz Highveld Steel and Vanadium Limited, Mpumalanga
- Universal Coal, Phase 1 Environmental Due Diligence for Exxaro Resources Limited New Clydesdale Colliery, Mpumalanga
- Total, Project Star - Environmental Due Diligence



## Olivia Allen

### Director: Environmental Planning & Advisory

- South32, Environmental Legal and Duty of Care Compliance Assessments for Wolvekrans, Ifaletu, Klipspruit and Khutala Collieries, Mpumalanga
- Jet Demolition, Project Odyssey, Enviro-legal Assessment

#### Waste Management Planning

- Eskom Holdings, Industry Waste Management Plan for Eskom's Power-generating Units, South Africa
- Ivanhoe Mines SA, Integrated Waste Management Plan for underground Platreef platinum mine, Limpopo
- Exxaro Resources Limited, Integrated Waste Management Plan for Mayoko iron ore mining project, Republic of Congo
- Debswana, Integrated Waste Management Plan for Jwaneng Mine, Botswana
- Debswana, Integrated Waste Management Plan Update for Orapa, Letlhakane and Damtshaa Mines, Botswana
- Tubatse Ferrochrome, Development of Waste Removal, Processing and Management Plan for nine historic waste sites, and site-wide Integrated Waste Management Plan, Limpopo
- Wasteman, Waste Impact Report for Bulbul Landfill, Kwa-Zulu Natal
- Palabora Mining Company, Integrated Waste Management Plan, Limpopo
- ASA Metals, Waste Impact Report for Dilokong Chrome Mine, Limpopo

#### Waste Licence Applications

- Sasol, Waste Licence Application for proposed Vanadium Disposal Facility, Mpumalanga
- Tubatse Ferrochrome, Waste Licence Application for decommissioning historic slag dump, Limpopo
- Ivanhoe Mines SA (Platreef Resources), Waste Licence Application for underground Platreef platinum mine, Limpopo
- Rustenburg Municipality, Waste Licence Application for Waterval Landfill Site, North West
- Evraz Highveld Steel and Vanadium Limited, Waste Licence Application for Steelworks, Mpumalanga
- Evraz Highveld Steel and Vanadium Limited, Waste Licence Application for decommissioning of Calcine Waste Disposal Facility, Mpumalanga
- Palabora Mining Company, Waste Licence Application for Palabora Mining Company site, Limpopo
- Anglo Operations Limited, Waste Licence Application for new mine & mine water reclamation plant New Vaal Colliery, Gauteng/Free State
- Glencore, Waste Licence Application for Zonnebloem Coal Mine, Mpumalanga
- Anglo Operations Limited, Waste Licence Application for new pit development and mine water reclamation plant at Mafube Colliery, Mpumalanga
- Africary Holdings, Waste Licence Application for Underground Coal Gasification (UCG) project, Free State
- South32, Waste Licence Application for the decommissioning of dormant waste facilities at Metalloys, Gauteng
- South32, Waste Licence Application for discard dump extension at Klipspruit Colliery, Mpumalanga
- Anglo, Waste Licence Application for discard dump at Zibulo Colliery, Mpumalanga



## **Olivia Allen**

### **Director: Environmental Planning & Advisory**

#### **Exemption Applications**

- Eskom Holdings, Application for Exemption of Waste Management Activity and Ash Beneficiation in terms of NEMWA, South Africa

#### **Compliance Assessments & Audits**

- New Clydesdale Coal, EMP Performance Assessment, Mpumalanga
- Zululand Anthracite Colliery, Various Compliance Audits, Kwa-Zulu Natal
- Glencore, External Waste Management Licence Audit at Wonderkop Smelter, North West
- Goldplat Recovery, High-level enviro-legal assessment and development of compliance strategy, Gauteng
- GoodRock Chemworks, Confirming the regulatory path for obtaining environmental authorisation for the calciner plant, Northern Cape
- Randlord, High-level enviro-legal assessment for tailings storage facilities earmarked for reworking and/or rehabilitation, Gauteng
- Scaw South Africa, Identification of NEMA listed activities associated with decommissioning of Scaw Standard Foundry, Gauteng
- SA Lime & Gypsum Group, Enviro-legal assessment for the reworking of tailings and waste rock at Witkop Fluorspar Mine, North West
- South32, Environmental Legal Gap Analysis for Middelburg Colliery & Coal Processing, Mpumalanga
- Grindrod Terminals, Enviro-legal gap analysis, KZN

#### **PUBLICATION**

Kruger, E. and Chapman, O. A., 2005: Quality Aspects of Environmental Impact Assessment Reports in the Free State Province, South Africa. South African Geographical Journal, 87 (1), 52-57

#### **THESIS**

Kruger, E. and Chapman, O. A., 2005: Quality Aspects of Environmental Impact Assessment Reports in the Free State Province, South Africa. South African Geographical Journal, 87 (1), 52-57





## Rizqah Baker

Planning & Advisory, Senior Consultant

### CAREER SUMMARY

Rizqah Baker is a Senior Consultant working for WSP's Earth & Environment Unit in the Planning & Advisory division. Rizqah is based in Cape Town, at WSP's Pavilion office. She has more than six years of experience in the environmental industry and has worked in both the public and private sectors. Rizqah joined WSP from SLR Consulting, where she was a Senior Environmental Consultant.

Rizqah has undertaken and managed environmental permitting, authorisation, compliance and auditing processes for numerous projects in a range of sectors, specifically the Oil & Gas, Infrastructure, Built Environment, Mining & Minerals and Industry sectors. Her experience has been based primarily in South Africa, but she has contributed to projects located in Namibia, Zambia, Cameroon and Malawi.

Rizqah has also been involved in Water Use/Atmospheric Emission Licencing processes and more recently, Environmental and Social Due Diligence projects, where she was responsible for identifying information gaps in environmental impact assessment processes in terms of the International Finance Corporation (IFC) Performance Standards (PS).

Rizqah has a strong passion and growing interest to collaborate on projects centred on sustainability and working with clients to achieve their Environmental, Social and Governance goals.



---

#### *One month with WSP*

#### *Six years of experience*

#### *Area of expertise*

Environmental Management  
Environmental Impact Assessment  
Environmental Compliance and Auditing  
Water Authorisations  
Atmospheric Emissions Licencing

#### *Language*

English – Fluent

### EDUCATION

Bachelor of Arts (Honours), Environmental and Geographical Studies – University of Cape Town	2016
Bachelor of Arts, Development and Environmental Studies – Stellenbosch University	2015

### ADDITIONAL TRAINING

Foundations of Impact Assessment – International Association of Impact Assessment	2020
---	------



## Rizqah Baker

Planning & Advisory, Senior Consultant

### PROFESSIONAL MEMBERSHIPS

Member – International Association for Impact Assessment of South Africa (6047)

### PROFESSIONAL HISTORY

WSP Group Africa	April 2023 - present
SLR Consulting Africa	January 2019 – March 2023
Vula Environmental Services	February - December 2018
City of Cape Town	February 2017 – January 2018

### PROFESSIONAL EXPERIENCE

#### Oil & Gas

#### **Total E&P South Africa, Proposed exploration activities for offshore oil & gas in Block 11B & 12B, South Africa 2019**

##### **Assistant Project Manager**

Social baseline study and impact assessment process for the proposed exploration for oil & gas in Licence Block 11B and 12B, South Coast of South Africa. The project required the undertaking of a social baseline study, including the undertaking of a desktop review of information, attendance of meetings with key stakeholders and the completion of informant interviews. Rizqah assisted with the social baseline data collection and compilation of the Social Impact Assessment Report.

#### **Harps Holdings, Proposed Saldehco ship-to-ship bunkering operations, South Africa 2020**

##### **Project Assistant**

The project entailed the compilation of an Operational Environmental Management Programme (OEMP) for the proposed ship-to-ship fuel bunkering activities at the Port of Saldanha, Saldanha Bay, Western Cape. Rizqah's role entailed the compilation of the OEMP.

#### **New Age, Proposed exploration activities in the Algoa-Gamtoos Block, South Africa 2020**

##### **Environmental Auditor**

Environmental auditing process for the proposed exploration activities in the Algoa-Gamtoos Block, East Coast of South Africa. The project entailed the undertaking of 3D seismic surveys. Rizqah undertook the environmental auditing process auditing compliance with the Environmental Management Programme (EMPr).

#### **Africa Energy Corporation, Proposed exploration activities in Block 2B, South Africa 2020**

##### **Environmental Auditor**

Environmental auditing process for the proposed exploration activities in Block 2B, West Coast of South Africa. Rizqah undertook the environmental auditing process auditing compliance with the EMPr.

#### **Anadarko Petroleum Corporation, Proposed exploration activities in Block 5/6/7, South Africa 2019**

##### **Environmental Auditor**

Environmental auditing process for the proposed exploration activities Block 5/6/7, West Coast of South Africa. Rizqah undertook the environmental auditing process auditing compliance with the EMPr.



## Rizqah Baker

Planning & Advisory, Senior Consultant

### Infrastructure and Built Environment

#### **EFG Engineers on behalf of the Western Cape Government, Proposed improvement of Trunk Road 28, Section 1, South Africa**

**2021-2023**

##### **Project Manager**

Impact assessment process for the proposed improvement of the Trunk Road 28, Section 1 between Botrivier and Hermanus, Western Cape. The project required the compilation of environmental authorisation assessment documentation, management of specialists and specialist input and engagement with stakeholders. Rizqah compiled the project documentation and managed all aspects of the project.

#### **AECOM SA on behalf of the Stellenbosch Municipality, Proposed rehabilitation of the Distillery Road Bridge, South Africa**

**2020-2021**

##### **Project Manager**

Impact assessment process for the proposed in rehabilitation of the Distillery Road Bridge, Stellenbosch, Western Cape. The project required the compilation of environmental authorisation assessment documentation, management of specialists and specialist input and engagement with stakeholders. The project also required a detailed heritage impact assessment process due to the archaeological sensitivity of the project area, and the historical significance of the bridge structure. Rizqah compiled the project documentation and managed all aspects of the project.

#### **Magil Construction Corporation, Proposed upgrading of the eastern entrance to Douala, Cameroon**

**2020**

##### **Project Assistant**

Impact assessment process for the proposed upgrading of the eastern entrance to Doula. The project required the update of an existing environmental and social impact assessment report to close gaps identified in the assessment in terms of the IFC PS. Rizqah assisted with the update of the report.

#### **Aurecon South Africa on behalf of the South African National Roads Agency Limited, Proposed improvement of the N14, Section 3, South Africa**

**2020**

##### **Project Manager**

Impact assessment process for the proposed improvement of the N14, Section 3 between Kakamas and the Orange River, Northern Cape. The project required the compilation of environmental authorisation assessment documentation, management of specialists and specialist input and engagement with stakeholders. The project also entailed the development of borrow pits. Rizqah compiled the project documentation and managed all aspects of the project.

#### **Richmond Park Development Company, Proposed fuel station on Erf 38333, South Africa**

**2020**

##### **Assistant Project Manager**

Impact assessment process for the proposed fuel station on Erf 38333, Milnerton, Western Cape. The project required the compilation of environmental authorisation assessment documentation, management of specialists and specialist input and engagement with stakeholders. Rizqah compiled the environmental assessment documentation and managed the stakeholder engagement process.

#### **Aurecon South Africa on behalf of the South African National Roads Agency Limited, Proposed improvement of the N1, Section 4, South Africa**

**2020**

##### **Assistant Project Manager**

Impact assessment process for the proposed improvement of the N1, Section 4 between Monument River and Doorfontein, Western Cape. The project required the compilation of environmental authorisation assessment documentation, management of specialists and specialist input and engagement with stakeholders. The



## Rizqah Baker

Planning & Advisory, Senior Consultant

project also entailed the development of borrow pits. Rizqah assisted with the compilation of the environmental assessment documentation and assisted with the overall management of the project.

### **Bergstan South Africa, Proposed construction of emergency access routes, South Africa 2018-2020**

#### **Project Manager and Environmental Control Officer**

Environmental compliance process for the proposed construction of emergency access routes, Imizamo Yethu, Western Cape. Rizqah acted the independent Environmental Control Officer (ECO) and monitored and reported on the contractor's compliance with the Environmental Authorisation and EMPr.

### **HHO on behalf of the Western Cape Government, Proposed upgrade of the R44 (De Beers Interchange), South Africa 2019-2020**

#### **Environmental Control Officer**

Environmental compliance process for the proposed upgrade of the R44 (De Beers Interchange) between Beach and Main roads, Somerset West, Western Cape. Rizqah acted the independent ECO and monitored and reported on the contractor's compliance with the Environmental Authorisation and EMPr.

### **EFG Engineers on behalf of the Western Cape Government, Proposed upgrade of the R301 (Baden Powell Drive) South Africa 2019-2020**

#### **Environmental Control Officer**

Environmental compliance process for the proposed upgrade of the R310 (Baden Powell Drive) between the N2 and Vlaeberg Road, Western Cape. Rizqah acted the independent ECO and monitored and reported on the contractor's compliance with the Environmental Authorisation and EMPr.

### **Royal HaskoningDHV Engineering and SMEC South Africa, Proposed improvement of the R61, South Africa 2019**

#### **Assistant Project Manager**

Impact assessment process for the proposed improvement of the R16, between the Mthamvuma and Mbizana rivers, Eastern Cape. The project required the compilation of environmental authorisation assessment documentation, management of specialists and specialist input and engagement with stakeholders. Rizqah's role entailed the compilation of the EMPr.

### **AECOM SA, Proposed construction of a waste disposal facility, South Africa 2019**

#### **Project Manager and Environmental Control Officer**

Environmental compliance process for the proposed construction of a waste disposal facility, Langebaan, Western Cape. Rizqah acted the independent ECO and monitored and reported on the contractor's compliance with the Waste Management Licence and EMPr.

### **Mining & Minerals**

### **Tshipi é Ntle Manganese Mining, Proposed alternative closure and rehabilitation strategy at the Tshipi Borwa Mine, South Africa 2022-2023**

#### **Project Manager**

Impact assessment process for the proposed alternative closure and rehabilitation strategy at the Tshipi Borwa Mine, Hotazel, Northern Cape included investigation and assessment of alternative post-closure land uses. The project entailed a review of local planning and relevant mine closure-related documentation to determine the most suitable land use in the project area and included an agricultural and economic feasibility assessment. The project required the compilation of environmental authorisation assessment documentation, management of specialists and specialist input and engagement with key stakeholders. Rizqah compiled the environmental authorisation documentation and managed all aspects of the project.



## Rizqah Baker

Planning & Advisory, Senior Consultant

### **Hotazel Manganese Mines, Proposed abstraction at the moth-balled Middelplaats Mine, South Africa 2022-2023**

#### **Project Manager**

Water authorisation process for the proposed abstraction of water from the moth-balled Middelplaats Mine, Hotazel, Northern Cape. The project entailed the abstraction of water from the underground mine workings via borehole and required the compilation of an Integrated Water and Waste Management Plan, management of specialists and specialist input and engagement with stakeholders. Rizqah compiled the project documentation and managed all aspects of the project.

### **Pilanesberg Platinum Mines, Proposed infrastructural amendments at the Pilanesberg Platinum Mine, South Africa 2022-2023**

#### **Project Manager**

Impact assessment process for the proposed above-ground infrastructural amendments at the Pilanesberg Platinum Mine, Saulspoort (Moruleng), North-West. The project entails the construction of a new training facility and the relocation of existing infrastructure, such as emergency facilities and access routes. The project required the compilation of environmental authorisation assessment documentation, management of specialists and specialist input and engagement with stakeholders. Rizqah compiled the project documentation and managed all aspects of the project.

### **United Manganese of Kalahari, Proposed alternative closure motivation, South Africa 2022-2023**

#### **Project Manager**

Motivation process for the proposed alternative closure strategy at the United Manganese of Kalahari Mine, Hotazel, Northern Cape. The project required the compilation of a motivation report, consultation with key stakeholders and management of specialists and specialist inputs. Rizqah compiled the project documentation and managed all aspects of the project.

### **Hotazel Manganese Mines, Proposed integrated regulatory process at the Mamatwan Manganese Mine, South Africa 2022-2023**

#### **Project Manager**

Water authorisation process for the proposed integrated regulatory process at the Mamatwan Manganese Mine, Hotazel, Northern Cape. The project required the compilation of an Integrated Water and Waste Management Plan, management of specialists and specialist input and engagement with stakeholders. Rizqah compiled the project documentation and managed all aspects of the project.

### **Pilanesberg Platinum Mines, Proposed Prospecting Right on portion 5 of the farm Ruighoek, South Africa 2022-2023**

#### **Project Manager**

Impact assessment process for the proposed Prospecting Right application on portion 5 of the farm Ruighoek. The project required the compilation of environmental authorisation assessment documentation, management of specialists and specialist input and engagement with stakeholders. Rizqah compiled the project documentation and managed all aspects of the project.

### **Hotazel Manganese Mines, Proposed railway infrastructure at the Wessels Mine, South Africa 2021- 2022**

#### **Project Manager**

Impact assessment process for the proposed railway infrastructure at the Wessels Mine, Hotazel, Northern Cape. The project entailed the construction of a new railway balloon and upgrade of the existing railway line to the tie-in point and required the compilation of environmental authorisation assessment documentation, management of specialists and specialist input and engagement with stakeholders. Rizqah compiled the project documentation and managed all aspects of the project.



## Rizqah Baker

Planning & Advisory, Senior Consultant

### **Impala Platinum, Proposed parking area at the Shaft 16 Complex, South Africa 2021-2022**

#### **Project Manager**

Impact assessment process for the proposed parking area at the Shaft 16 Complex, Rustenburg Operations, Rustenburg, North West. The project required the compilation of environmental authorisation assessment documentation, management of specialists and specialist input and engagement with stakeholders. Rizqah compiled the project documentation and managed all aspects of the project.

### **Northam Platinum, Proposed Air Quality Offset Plan for the Zondereinde Smelter Complex, South Africa 2022**

#### **Project Manager**

Public participation process for the proposed Air Quality Offset Plan for the Zondereinde Smelter Complex, Thabazimbi, Limpopo. The project required the undertaking of a stakeholder engagement process in anticipation of the implementation of the Air Quality Offset Plan developed for the smelter. Rizqah compiled public participation process documentation and managed all aspects of the project.

### **Mokala Manganese, Proposed changes to the mine layout, South Africa 2021**

#### **Assistant Project Manager**

Impact assessment process for the proposed infrastructural changes to the Mokala Mine, Northern Cape. The project required the compilation of environmental authorisation assessment documentation, management of specialists and specialist input and engagement with stakeholders. Rizqah assisted with the compilation of the environmental assessment documentation and assisted with the overall management of the project.

### **Tharisa Minerals, Proposed additional of waste rock storage, South Africa 2021**

#### **Assistant Project Manager**

Impact assessment process for the proposed additional waste rock storage at the Tharisa Mine, Marikana, North West. The project required the compilation of environmental authorisation assessment documentation, management of specialists and specialist input and engagement with stakeholders. Rizqah assisted with the compilation of the environmental assessment documentation and assisted with the overall management of the project.

### **De Beers Marine, Proposed Prospecting Right for offshore marine diamonds in Sea Concessions 6C, South Africa 2019**

#### **Assistant Project Manager**

Impact assessment process for the proposed Prospecting Right for offshore marine diamonds in Sea Concession 6C, West Coast. The project required the compilation of environmental authorisation assessment documentation, management of specialists and specialist input and engagement with stakeholders. Rizqah assisted with the compilation of the environmental assessment documentation and completed and managed the required public participation process.

#### **Industry**

### **Vygekraal Cemetery Board, Proposed expansion of the Vygekraal Cemetery, South Africa 2022-2023**

#### **Project Manager**

Impact assessment and water authorisation process for the proposed expansion of the Vygekraal Cemetery, Rylands, Western Cape. The project required the compilation of environmental and water authorisation assessment documentation, management of specialists and specialist input and engagement with stakeholders. Rizqah compiled the project documentation, undertook the environmental and water authorisation process and managed all aspects of the project.





## Rizqah Baker

Planning & Advisory, Senior Consultant

### **South African Breweries, Proposed expansion of the Prospecton Brewery, South Africa 2022**

#### **Project Manager**

Impact assessment process for the proposed expansion of the Prospecton Brewery, Durban, KwaZulu-Natal. The project required the compilation of environmental authorisation assessment documentation, management of specialists and specialist input and engagement with stakeholders. Rizqah compiled the project documentation and managed all aspects of the project.

### **Lead and Solder Sales, Proposed renewal of an Atmospheric Emissions Licence, South Africa 2021**

#### **Assistant Project Manager**

Atmospheric Emissions Licence (AEL) renewal process for the Lead and Solder Sales facility, Bellville, Western Cape. The project required the undertaking of the AEL renewal process and entailed the undertaking of a public participation process. Rizqah completed the renewal application and managed the stakeholder engagement process.

### **Saldanha Bay Industrial Development Zone Licensing Company, Proposed storage of hazardous substances at the Saldanha Bay Industrial Development Zone, South Africa 2019**

#### **Assistant Project Manager**

Impact assessment and water authorisation process for the proposed storage of hazardous substances at the Saldanha Bay Industrial Development Zone (IDZ), Saldanha, Western Cape. The project required the compilation of environmental assessment documentation, management of specialists and specialist input and engagement with stakeholders. Rizqah assisted with the compilation of project documentation and managed the stakeholder engagement process.

### **Saldanha Bay Industrial Development Zone Licensing Company, Proposed development of a used lubricant oil recycling facility at the Saldanha Bay Industrial Development Zone, South Africa 2019**

#### **Assistant Project Manager**

Impact assessment and water authorisation process for the proposed development of a used lubricant oil recycling facility at the Saldanha Bay IDZ, Saldanha, Western Cape. The project required the compilation of environmental assessment documentation, management of specialists and specialist input and engagement with stakeholders. Rizqah assisted with the compilation of project documentation and managed the stakeholder engagement process.

### **Clay Industry, Proposed renewal of an Atmospheric Emissions Licence, South Africa 2019**

#### **Assistant Project Manager**

AEL renewal process for the brick manufacturing facility, Durbanville, Western Cape. The project required the undertaking of the AEL renewal process and entailed the undertaking of a public participation process. Rizqah completed the renewal application and managed the stakeholder engagement process.