



Elemental
SUSTAINABILITY
sustaining our tomorrow, today

CURRICULUM VITAE:

SONJA VAN DE GIESSEN

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PERSONAL PROFILE

Sonja van de Giessen is a senior consultant and project manager with more than eight years of experience in environmental impact assessments and environmental management. Her core experience and expertise are in the mining industry sector, focusing on Environmental Impact Assessments, Environmental Management Programmes, Water Use Licence Applications and Integrated Water and Waste Management Plans, and Environmental Auditing. Her involvement in such projects varies from project management, to the compilation of technical and environmental documentations and reports. Sonja is registered as a professional scientist in the field of environmental science with SACNASP and a member of the IAIA:SA.

CAPACITY

In her capacity as **SENIOR CONSULTANT** at Elemental Sustainability (Pty) Ltd (Elemental). She has been exposed and worked on numerous projects. Since starting her career in the environmental field she has gained valuable experience and insight into the fields of environmental science, project management and financial management. As Senior Specialist the areas of responsibility at Elemental is set out strategically to cater for a wide range of operational and specialist requirements.

QUALIFICATIONS

EDUCATION AND QUALIFICATIONS	MSc. Environmental Management, North-West University, 2018. BSc Honours Environmental Management; University of South Africa, 2011. B Tech Degree in Nature Conservation, Technikon Pretoria (1997). Diploma in Nature Conservation (<i>cum laude</i>) Technikon Pretoria, (1995).		
CONTINUED PROFESSIONAL DEVELOPMENT	COURSE	INSTITUTION	COMPLETED
	IEMA Carbon Footprint Analysis	Terra Firma	2019
	Financial and Social Risk Management	IFC	2018
	ISO 14001 Training SAATCA Registered	A.C.T. Advantage	2013

<p>PROFESSIONAL STATUS Registration Membership</p>	<p>South African Council of Natural Scientific Professions - Registered Professional Scientist – Environmental Science (400084/18); Member of the IAIA:SA</p>
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PROFESSIONAL EXPERIENCE

<p>WORK HISTORY</p> <p>Employer</p> <p>Period</p> <p>Position</p> <p>Responsibilities</p>	<p>ELEMENTAL SUSTAINABILITY (Pty) LTD</p> <p>June 2019 – Current</p> <p>Senior Specialist and Director</p> <p>Senior Consultant.</p> <p>Responsible for the management of projects. Senior consultant for Environmental authorisations projects (EIA, BAR, WULA, WML and AEL's), Mine Closure (Closure Cost and Rehabilitations plans), Audit (Environmental Authorisations), and Compliance Monitoring).</p>
<p>Employer</p> <p>Period</p> <p>Position</p> <p>Responsibilities</p>	<p>ENVIRONMENTAL IMPACT MANAGEMENT SERVICES (PTY) LTD</p> <p>May 2016– June 2019</p> <p>SENIOR CONSULTANT</p> <p>Responsible for managing various projects. Main responsibilities include:</p> <ul style="list-style-type: none"> • Compilation of Environmental Authorisations and Basic Assessment; • Compilation of Scoping and Environmental Impact Assessment Reports; • Compilation of IWWMP and IWULAs; • Compilation of Environmental Management Plans and Programmes; • Undertaken of audit and audit report writing; • Project management, including managing of project teams, project schedules, specialists, project costing and communication with authorities; • Undertaking public participation – compilation of adverts and notices; presentations at public meetings; writing of reports and engaging with stakeholders.

Employer	CLEAN STREAM ENVIRONMENTAL CONSULTANTS (PTY) LTD
Period	November 2013 -May 2016
Position	JUNIOR ENVIRONMENTAL CONSULTANT
Responsibilities	Environmental Consultant responsible for the Environmental Authorisation Applications in terms of NEMA and SEMA's. Management of specialist and ensuring timely delivery of specialist reports.

WORK EXPERIENCE

WORK EXPERIENCE AND SKILLS	Development of Mine closure cost assessments in accordance with MPRDA regulations. Mine closure risk assessments. Development of project plans, delivery schedules and budget planning. Project risk management. Development of audit protocol, conducting of audits. Environmental due diligences, WUL audits, EMPR PAR's and ROD audits. EMP Performance Reviews, Air Emission Licenses (AEL), Scoping EIA, EIA, BAR and Environmental Management Plans for mines, industrial developments and powerlines. Development of RSIP, IWWMP and Closure Plans. Application for Mining rights and prospecting rights. Environmental legislation interpretation, recommendations and implementation.
PROJECT EXPERIENCE	High levels Authorisation projects.

SUMMARY OF KEY PROJECTS

Period: June 2019 - Current	Organisation: Elemental Sustainability (Pty) Ltd.	Position: Senior Environmental Assessment Practitioner
Key Projects/Assignments	<u>Senior EAP:</u> Responsible for managing various projects. Main responsibilities include: <ul style="list-style-type: none"> • Compilation of Basic Assessments; • Compilation and peer review of Scoping and Environmental Impact Assessment Reports; • Compilation of IWWMP reports and IWULAs; • Compilation of Environmental Management Plans and Programmes; 	

- Undertaking of audit and audit report writing;
- Review of specialist studies;
- Project management, including managing of project teams, project schedules, specialists, project costing and communication with authorities;
- Undertaking public participation – compilation of adverts and notices; presentations at public meetings; writing of reports and engaging with stakeholders.

Project Experience:

- Kilo Sand: External Environmental Management Programme – Performance Assessment Report – (GP 30/5/1/2/2 [282] MR) 2019;
- Rondevly Mining Right Application – Review of Environmental Impact Report and Environmental Management Programme Report - DMR REF: 30/5/1/2/3/2/1 10240 MR;
- Vandasark (Pty) Ltd. Rondevly Mining Permit. Integrated Water and Waste Management Plan. 2019 and Water Use Licence Application;
- Vandasark (Pty) Ltd. Rondevly Mining Right. Integrated Water and Waste Management Plan. 2019 and Water Use Licence Application;
- Masibambane Integrated Water and Waste Management Plan. 2019 and Water Use Licence Application;
- Samancor – Integrated Water and Waste Management Plan – Buffelsfontein East Section– Update and Rehabilitation Strategy Implementation Plan Update. 2019;
- Samancor – Integrated Water and Waste Management Plan – Millsell and Waterkloof Sections – Update and Rehabilitation Strategy Implementation Plan Update. 2019;
- Samancor – Integrated Water and Waste Management Plan – Mooinooi Section and Rehabilitation Strategy Implementation Plan Update – Update, 2019
- Uitkomst Colliery – RSIP and Integrated Water and Waste Management Plan, 2020 and Water Use Licence Application;
- Canyon Resources – Birmingham Mining Project – Environmental Authorisation and Scoping Report, 2020;
- Samancor – Integrated Water and Waste Management Plan – Lesedi Mine and Water Use Licence Application;
- Samancor – Integrated Water and Waste Management Plan – TC Smelter and Water Use Licence Application;
- Vele Colliery – Biodiversity Action Plan, 2020;
- Kangra Coal – T4 Project – Environmental Impact Assessment Report and Environmental Management Programme, 2020;
- UMK Manganese - Integrated Water and Waste Management Plan and RSIP Update; 2020;

	<ul style="list-style-type: none"> • Canyon Resources (Pty) Ltd – Birmingham Mining Project – Environmental Impact Assessment report, 2021 • Windsor Aggregate (Pty) Ltd.: Sand Mine – Environmental Performance Management Performance Audit Report , 2021 • Windsor Aggregate (Pty) Ltd.: Sand Mine – Water Use Licence Application and IWWMP, 2021; • Van Rooyen Boerdery (Pty) Ltd. Water Use Licence Application and IWWMP, 2021; • Samancor Integrated Water and Waste Management Plan TC Smelter - Integrated Water and Waste Management Plan Update, 2021; • Uitkomst Colliery – IWWMP and RSIP Update; 2021; • Wykomst Siding – IWWMP and RSIP Update, 2021; • UMK Colliery – IWWMP Update; 2022; • Welgedacht Balloon Siding – Scoping Report and Environmental Impact Assessment Report; 2022; • Canyon Resources (Pty) Ltd – Birmingham Mining Project – Integrated Water and Waste Management Plan and Water Use Licence Application, 2022; • Insa, Welgedacht Colliery - Integrated Water and Waste Management Plan, 2022. 	
Period: May 2016- June 2019	Organisation: Environmental Impact Management Services	Position: Senior Environmental Assessment Practitioner
Key Projects/Assignments	<p><u>Senior EAP:</u> Responsible for managing various projects. Main responsibilities include:</p> <ul style="list-style-type: none"> • Compilation of Environmental Authorisations and Basic Assessment; • Compilation of Scoping and Environmental Impact Assessment Reports; • Compilation of IWWMP and IWULAs; • Compilation of Environmental Management Plans and Programmes; • Undertaken of audit and audit report writing; • Project management, including managing of project teams, project schedules, specialists, project costing and communication with authorities; • Undertaking public participation – compilation of adverts and notices; presentations at public meetings; writing of reports and engaging with stakeholders. <p><u>Project Experience:</u></p> <ul style="list-style-type: none"> • GSW. Due Diligence Report Khutala Colliery and the Khutala Life Extension Project; 2019; • Mooiplaats Colliery. Integrated Water and Waste Management Plan. 2019. • Mooiplaats Colliery. Draft Scoping Report. 2019. • Forzando Coal Mines (Pty) Ltd. Kalabasfontein Scoping Report. 2018; 	

	<ul style="list-style-type: none"> • Forzando Coal Mines (Pty) Ltd. Kalabasfontein Environmental Impact Assessment Report and Environmental Management Programme Report. 2018-2019; • Forzando Coal Mines (Pty) Ltd. Kalabasfontein Integrated Water and Waste Management Plan. 2019; • Ntshovelo Mining Resources (Pty) Ltd. Vlakvarkfontein Colliery Integrated Water and Waste Management Plan and Water Use Licence Application. 2018; • Lesotho Environmental Management Framework. 2018; • Ilima Coal (Pty) Ltd. Integrated Water and Waste Management Plan and Water Use Licence Application, 2018. • Deelkraal and Kusasaletu Integrated Water and Waste Management Plan Update, 2018. • Tetra 4 Virginia Cluster 1 Gas Production, Integrated Water and Waste Management Plan and Water Use Licence Application, 2017. • S. Bothma and Son Transport (Pty) Ltd. Integrated Water and Waste Management Plan and Water Use Licence Application, 2017. • Ilima Coal (Pty) Ltd. EIR/EMPR Amendment Application, 2017. • Sungu Sungu ER313 Oil and Gas Exploration Application. • Pembani Coal Carolina (Pty) Ltd. Basic Assessment for Prospecting Right Application, 2016. • Pembani Coal Carolina. Prospecting Right Application.2016. • Motouane, Ladysmith Exploration Project, Scoping Report, 2016. • Motouane Gas (Pty) Ltd. Environmental Impact Assessment Report and Environmental Management Programme Report - Motuoane Hennenman Exploration Project. 2017. • Final EMPR amendment for Pembani Coal Carolina (Pty) Ltd., 2016. 	
<p>Period: November 2013- May 2016</p>	<p>Organisation: Clean Stream Environmental Consultants</p>	<p>Position: Junior Environmental Scientist</p>
<p>Key Projects/Assignments</p>	<p>Environmental Scientist for the following:</p> <ul style="list-style-type: none"> • Drizit Environmental (Pty) Ltd. Waste Licence Application. 2013. • Anglo Coal (Pty) Ltd. Landau Integrated Waste Licence Application.2016. • Anglo Coal (Pty) Ltd. Mafube Integrated Waste Licence Application.2013. • Sasol Mining (Pty) Ltd. Impumelelo Mine, Scoping Report. 2016. • Schoongezicht Coal Mine Scoping Report. 2014. • Kuyasa Mining Delmas Coal Environmental Authorisation Application for a Prospecting Right. 2015. • Independent Environmental Auditor for Stuart Coal Water Use Licence Audit Report. 2014. • Independent Environmental Auditor for Vastek Trading (Pty) Ltd. Chrome Beneficiation Plant Environmental Audit Photo Report. 2015. 	

REFERENCES	CONTACT NAME	COMPANY	RELATIONSHIP	CONTACT NR
	Brian Whitfield	Environmental Impact Management Services	Project Manager	On request
Natalie Lubbe	Clean Stream Environmental Consultants	Director	On request	