




Jones & Wagener

Engineering & Environmental Consultants
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CURRICULUM VITAE

6 February 2018
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Jacqui Hex

Profession	Environmental Scientist	
Date of Birth	1983-09-24	
Position in firm	Head of Department Technical Director	
Years with the firm	2011-02-01 – Present (7 years)	
Nationality	South African	
Education / Qualifications	MSc Environmental Management (cum laude) BSc Hons Geography BSc Natural and Environmental Sciences (Majors Maths and Geography)	
Languages	English, Afrikaans	
Employers		
2018 – date	Jones & Wagener Head of Department – Environmental Management	
2017	Jones & Wagener Engineering & Environmental Consultants (Technical Director)	
2016	Jones & Wagener Engineering & Environmental Consultants (Associate)	
2011 – 2015	Jones & Wagener (Environmental Scientist)	
2008 – 2011 (January)	Zitholele Consulting (Pty) Ltd (Senior Environmental Scientist)	
2007	Zitholele Consulting (Pty) Ltd (Junior Environmental Scientist)	
2006	University of Johannesburg (First Year Demonstrator, Second year Tutor)	
2005	University of Johannesburg (First Year Practical Demonstrator)	

Areas of Expertise

Environmental Impact Assessments, Basic Assessments, Environmental Management Programs (National Environmental Management Act), Environmental Management Program Reports (Mineral and Petroleum Resources Development Act), Environmental Control Officer Services, Environmental Auditing, Water Use Licences, Waste Licences, Feasibility Studies, Public Participation, GIS, Screening Assessment, Integrated Water and Waste Management Plans, Closure reporting.

Professional Affiliations

JONES & WAGENER (PTY) LTD REG NO. 1993/002655/07 VAT No. 4110136685

DIRECTORS: GR Wardle (Chairman) PrEng MSc(Eng) FSAICE JP van der Berg (CEO) PrEng PhD MEng FSAICE JE Glendinning PrSciNat MSc(Env Geochem) MSAIEG M Rust PrEng PhD MSAICE TM Ramabulana BA(Social Sciences) A Oosthuizen (Alternate) PrEng BEng(Hons) MSAICE
TECHNICAL DIRECTORS: D Brink PrEng BEng(Hons) FSAICE NJ Vermeulen PrEng PhD MEng MSAICE HR Aschenborn PrEng BEng(Hons) MSAICE M van Zyl PrSciNat BSc(Hons) MIW/MSA
MW Palmer PrEng MSc(Eng) MSAICE TG le Roux PrEng MEng MSAICE AJ Bain PrEng BEng MSAICE GB Simpson PrEng MEng FSAIAE JS Msiza PrEng BEng(Hons) MSAICE MIW/MSA
G Hari PrEng MEng MSAICE JS Hex PrSciNat MSc(Env Man) ICB-EAPSA PJJ Smit PrEng BEng(Hons) MSAICE C Cilliers PrEng BEng(Hons) MSAICE NW Nsumalo PrEng MSc(Eng) MSAICE
F Hörtkorn PrEng Dir. Ing MSAICE TAL Green PrEng BSc(Eng) MSAICE H Davis PrEng BSc(Hons) GDE FSAICE
ASSOCIATES: RA Nortjé PrEng MSc(Eng) MSAICE MIW/MSA J Breyl PrEng BEng(Hons) MSAICE N Malepfana PrEng BSc(Eng) GDE MSAICE
CONSULTANTS: PW Day PrEng DEng Hon FSAICE JA Kempe PrEng BSc(Eng) GDE MSAICE AlStruct BR Antrobus PrSciNat BSc(Hons) MSAIEG PG Gage PrEng CEng BSc(Eng) GDE MSAICE AlStruct
FINANCIAL MANAGER: CJ Ford BCompt ACIMA CQMA



SACNASP	Registered Professional Natural Scientist (Pr.Sci.Nat) – Environmental Science
IAIAsa	Member of the International Association of Impact Assessment South Africa
EAPASA	EAPASA Board Member and Chairman of PR Committee– Environmental Assessment Practitioner Association of South Africa (EAPASA)

Relevant Experience

Auditing

Ashanti Gold – Carletonville, South Africa: Auditing of waste disposal sites, assistant auditor, assist in the auditing of a landfill site and site walk and information gathering -.

Emfuleni Local Municipality – Vereeniging, South Africa: Auditing of Boitshepi waste disposal site, project manager, environmental auditor, report compilation, client liaison.

Rand Water – Vereeniging, South Africa: Auditing of Zuikerbosch bank stabilization project along the Vaal River.

Basic Assessment

Basfour 3512 (Pty) Ltd – Rietfontein, near Rietvlei Dam, Gauteng, South Africa: Basic Assessment for the Proposed Development of a Mausoleum, Project Manager and Environmental Assessment practitioner, Identify opportunity, Client Liaison and compilation of proposal.

Corplo 2622 (Pty) Ltd – Zuurfontein, near Vaal river, Gauteng, South Africa: Basic Assessment for the Proposed Development of a Mausoleum,, Project manager and Environmental Assessment Practitioner – Identify opportunity, Client liaison, Compilation of proposal, Contract negotiation, Compilation of report, Specialist liaison, Review of Specialist Reports, Liaise with stakeholders and authorities and invoicing.

Eskom – Kwa-Zulu Natal, South Africa: Basic Assessment for Ingula Bridge, Project manager and Environmental Assessment Practitioner, Identify Opportunity, Client Liaison, Compile proposal, Compile Reports, Specialist Liaison, Review specialist reports, Liaise with authorities and invoicing.

Johannesburg Road Agency – Protea Glen, Soweto, Gauteng, South Africa: Basic Assessment for the proposed upgrade of storm water infrastructure in Protea Glen, Project Manager and Environmental Assessment Practitioner, identify Opportunity, Client Liaison, Compile Proposal, Compile Reports, Specialist Liaison, Review Specialist Reports, Liaise with Stakeholders and Authorities and Invoicing

Sun International, North West, South Africa: Basic Assessment for the closure of the Sun City Resort Landfill Site. Project Manager, Project Reviewer, Client Liaison and Invoicing – current

Xstrata Coal South Africa – iMpunzi, Mpumalanga, South Africa: Basic Assessment for the proposed dewatering pipeline at iMpunzi Complex, Project Manager and Project Reviewer, Client Liaison, Specialist Liaison and Invoicing.

Kuyasa Mining (Pty) Ltd – Delmas, Mpumalanga, South Africa: Basic Assessment for the proposed new raw water pipeline for the KiPower Independent Power Producer (IPP) Power Plant, Environmental Assessment Practitioner, Client Liaison.

Xstrata South Africa - iMpunzi, Mpumalanga, South Africa: Basic Assessment for the opencast mining at ATCOM East within 32 m from a watercourse at iMpunz Complex, Project Manager, Project Reviewer, Client Liaison and Invoicing.

Waste

Emfuleni Local Municipality – Vanderbijlpark, Gauteng, South Africa: EIA for the proposed extension and closure of the Boitshepi Landfill Site, project manager and environmental assessment practitioner, monthly site supervision, bi-annually environmental audits for 3 years, Invoicing, client, authority and stakeholder liaison, specialist liaison, review specialist reports.

Department of Environmental Affairs and Development Planning (DEADP) – Cape Town, Western Cape, South Africa: Strategy for the diversion of Household Hazardous Waste to Landfill or Recycling



Facility, Project manager and Environmental Assessment Practitioner, Compile Proposal, Environmental Consultant, Compile Reports, Resent at Municipal workshop, Liaise with authorities and Invoicing –

Emfuleni Local Municipality – Vanderbijlpark, Gauteng, South Africa: Cemetery Master Plan, Project Manager and Environmental Assessment Practitioner, Compile Master Plan, Present findings to PMU, Additional work: Cemetery Candidate Site Selection and Cemetery Basic Standard Report.

Eskom – Cape Town, Western Cape, South Africa: Strategy for the diversion of Compact Fluorescent Lamps (CFL's) from the general waste stream and specific reference to recycling and material reclamation, Project Manager and Environmental Assessment Practitioner, Compile Proposal, Compile Reports, Liaise with Stakeholders and authorities, Facilitate and present at 3 workshops and Invoicing.

Eskom – Standerton, Mpumalanga, South Africa: EIA for the proposed extension and licensing of the Tutuka Landfill Site, Project Reviewer, Attend Progress Meetings and Site Visit.

Manganese Metal Company – Nelspruit, Mpumalanga, South Africa: Basic Assessment for the closure of hazardous waste landfill site, Environmental Assessment Practitioner, Compile Reports and Stakeholder Liaison.

Pikitup – Gauteng, South Africa: Airspace Calculation for Ennerdale, Goudkoppies, Marie Louise and Robinson Deep landfill site, Environmental Consultant, Airspace calculations and compile technical memo.

Gauteng Department of Agriculture and Rural Development (GDARD) – Gauteng, South Africa: Gauteng Waste Collection Standards, Assist with workshops for the presentation of the waste collection standards,

Lesedi Local Municipality – Gauteng, South Africa: BA and EIA for the closure of the existing Devon Waste Disposal Site and the licencing of a new Waste Disposal Site in Devon, Project Manager and Environmental Assessment Practitioner, Identify Opportunity, Client Liaison, Compile Proposal, Compile Reports, Specialist Liaison, Liaise with Stakeholders and Authorities and Invoicing.

Kuyasa Mining (Pty) Ltd – Delmas, Mpumalanga, South Africa: **Waste Licence Application Report for the new KiPower** Independent Power Producer (IPP) Power Plant and Ash Facility, Environmental Assessment Practitioner, Client Liaison.

Xstrata Coal South Africa – iMpunzi, Mpumalanga, South Africa: EIA and Waste Licence Application Report for two new sewage treatment plants at ATCOM, iMpunzi Complex. Project Manager and Reviewer.

Anglo Gold, Guinea: Site selection process for a proposed new Tailings Facility in Guinea – Environmental Scientist.

Anglo Gold, Ghana: Site selection process for a proposed new Tailings Facility in Obuasi – Environmental Scientist.

Water Use Licences

Xstrata Coal South Africa – iMpunzi – Mpumalanga, South Africa: IWULA for all infrastructure associated with the proposed new opencast pillar mining at ATCOM East, iMpunzi Complex – DWA correspondence, meetings and addressing DWA queries.

Xstrata Coal South Africa – iMpunzi – Mpumalanga, South Africa: IWULA for mining through wetlands at ATCOM East, iMpunzi Complex – Project Manager, Environmental Assessment Practitioner, Client Liaison, Authority Liaison.

Kuyasa Mining (Pty) Ltd – Delmas – Mpumalanga, South Africa: IWULA for the new KiPower Independent Power Producer (IPP) Power Plant and Ash Facility.

Anglo American – Kriel, Mpumalanga, South Africa: IWULA for a new Beneficiation Plant for the Kriel Lifex Projects. IWULA manager and reviewer.

Anglo American – Kriel, Mpumalanga, South Africa: IWULA for a new Block F underground mine for the Kriel Lifex Projects. IWULA manager and reviewer.

Anglo American – Kriel, Mpumalanga, South Africa: IWULA for a new opencast mining of pit 11 and 13 and mini-pits for the Kriel Lifex Projects. IWULA manager and reviewer.

Sibanye Gold – Randfontein, Gauteng, South Africa: IWULA and IWWMP for partial closure of Ezulwini Gold Mine – current.

Jaco-K Consulting – Springboklaagte, Mpumalanga, South Africa: Surface Water questionnaire for the proposed new mine at Springboklaagte, Compile questionnaire and circulate for responses.

Anglo American – Kriel, Mpumalanga, South Africa: Application for exemption from GN704 for horizontal prospecting – Kriel Colliery Block 7 Underground.

Sasol – Sasolburg, South Africa: Integrated Water and Waste Management Plan for Sasol Operations.

Union Carbide – Canelands, Verulam, Kwa-Zulu Natal, South Africa: IWULA for a new water treatment plant.

Mining Specific

Xstrata Coal South Africa – Tweefontein, Mpumalanga – South Africa: Gap Analysis with specific reference to borrow pits for Tweefontein, Client Liaison, Attend Workshops, Report Compilation, Specialist Liaison.

Anglo America Thermal Coal: Environmental due diligence for Project Kabeljou, Environmental Consultant, Data Collection and Review, Report Compilation – Confidential.

Xstrata Coal South Africa – iMpunzi – Mpumalanga – South Africa: Scoping (MPRDA) for an EMPR amendment for the opencast pillar mining at ATCOM East, iMpunzi Complex.

Xstrata South Africa – Hendrina – Mpumalanga, South Africa: Scoping and EMPR for a new mining right application for proposed new board and pillar mine on portions of Boschmanspoort.

Sasol, South Africa – Closure reporting for Sasol active mines in terms of GNR1147

Integrated Regulatory Processes

South32 – Middelburg, Mpumalanga, South Africa: EIA, Water Use Licence and EMPR amendment for the proposed extension of Klipfontein Mines. Project Manager.

BHP Billiton Energy Coal South Africa (BECSA) – Middelburg, Mpumalanga – South Africa: EIA, Waste Licence, Water Use Licence and EMPR addendum for the proposed Middelburg Water Reclamation Project (Water Treatment Plant), Environmental Assessment Practitioner, Compile Reports, Review Reports, Client Liaison, Specialist Liaison, Present at Public Meetings, Authority Consultation, Site Visits.

Era Bricks, Delmas, Mpumalanga, South Africa: EIA, S102 application for amendment to mining right and IWULA. Project Manager and Environmental Assessment Practitioner, Client Liaison, Compile Proposal, Compile Reports, Review specialist Reports, Liaise with Stakeholders and Authorities and Invoicing.

Aquatic Monitoring

Eskom – Mpumalanga, South Africa: Aquatic Monitoring for the Kusile Power Station Construction Site, Project Manager and Environmental Assessment Practitioner, Project Reviewer, Site Visits and Client Liaison

Energy

Eskom – Ceres, Western Cape, South Africa: EIA for the proposed construction and operation of the Kappa Substation, Project Manager and Environmental Assessment Practitioner, Identify Opportunity, Client Liaison, Compile Proposal, Compile Reports, Specialist Liaison, Review specialist Reports, Liaise with Stakeholders and Authorities and Invoicing.

Eskom – Gauteng and Mpumalanga, South Africa: Five EIAs for the Bravo (Kusile) Integration Project (various 400kV transmission lines), Project Manager and Environmental Assessment Practitioner, Compile Reports, Specialist Liaison, Review specialist reports, Liaise with stakeholders and authorities and Invoicing.

Eskom – Mpumalanga, South Africa: EIA and Waste License for Kusile Ash (subconsultant to Zitholele Consulting who were the main project managers), Project Coordinator for J&W, Proposal Compilation, GIS.

Eskom – Mpumalanga, South Africa: EIA for the deviation of the Duvha-Minerva 400kV power line, Project Manager and Environmental Assessment Practitioner, Identify Opportunity, Client Liaison, Compile

Proposal, Compile Reports, Specialist Liaison, Review specialist Reports, Liaise with Stakeholders and Authorities and Invoicing.

Eskom – Mpumalanga and Kwa-Zulu Natal, South Africa: EIA for the 360km 765kV power line between Camden (Ermelo) and Empangeni, Project Manager and Environmental Assessment Practitioner, Identify Opportunity, Client Liaison, Compile Proposal, Compile Reports, Specialist Liaison, Liaise with Stakeholders and Authorities and Invoicing.

Eskom – Limpopo, South Africa: EIA for the extension of Tabor Substation, Limpopo, Project Manager and Environmental Assessment Practitioner, Identify Opportunity, Client Liaison, Compile Proposal, Compile Reports, Specialist Liaison, Review specialist Reports, Liaise with Stakeholders and Authorities and Invoicing.

Eskom – Gauteng and Mpumalanga, South Africa: EIA for Kusile Railway Line to transport sorbent to Kusile Power Station, Project Manager and Environmental Assessment Practitioner, Identify Opportunity, Client Liaison, Compile Proposal, Compile Reports, Specialist Liaison, Review specialist Reports, Liaise with Stakeholders and Authorities and Invoicing.

Kuyasa Mining, KiPower IPP Project, Delmas, South Africa: Drafting of the required Integrate Water and Waste Management Plan (IWWMP), as well as, the Integrated Water Use Licence Application (IWULA) (2010 – 2015).

KiPower, Delmas South Africa: EIA for two new 400kV power lines to link the new IPP power plant into the Eskom grid via the Matla-Glockner power lines. Project Manager and Environmental Assessment Practitioner, Identify Opportunity, Client Liaison, Compile Proposal, Compile Reports, Specialist Liaison, Review specialist Reports, Liaise with Stakeholders and Authorities and Invoicing

Search and Rescue of Rare and Endangered Species

Eskom – Mpumalanga, South Africa: Search and Rescue of Rare and Endangered Plant Species along the proposed pipeline from Kendal Power Station to Kusile Power Station, Project Manager and Environmental Assessment Practitioner, Project Reviewer, Site Visits and Client liaison.

Eskom – Mpumalanga, South Africa: Search and Rescue of Rare and Endangered Plant Species along the proposed new road at Kusile Power Station, Project Manager and Environmental Assessment Practitioner, Project Reviewer, Site Visits and Client liaison.

Surface and Groundwater Monitoring

Eskom – Standerton, Mpumalanga, South Africa: Surface and Groundwater Monitoring for the Kusile Construction Site, Project Manager and Environmental Assessment Practitioner, Project Reviewer, Site Visits and Client Liaison.

Training

Present lectures on environmental legislation with specific reference to the National Environmental Management Act - **University of Pretoria** – Pretoria, Gauteng, South Africa.

Summary of other Experience / Publications

HARMSE & WRIGHT	2007	The impact of the LHWP on the Ash, Liebenbergsvlei Rivers and the Vaal Dam – Water SA, South Africa, 2007
HEX, MANYAKA & LOATE	2008	Salvagers, Legislation and the Real World: Case Study: Boitshepi Landfill Site, WasteCon, Durban, 2008
HEX	2009	EIA's Failed Quest for "Sustainability": Case Study, CFL Recycling Initiative, IAIAsa, Wilderness, 2009.

Declaration

I confirm that the above CV is an accurate description of my experience and qualifications.



Signature of Staff Member

6 February 2018

Date





environmental affairs

Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

DETAILS OF EAP AND DECLARATION OF INTEREST

File Reference Number:	(For official use only)
NEAS Reference Number:	12/12/20/ or 12/9/11/L
Date Received:	DEA/EIA

Application for integrated environmental authorisation and waste management licence in terms of the-

- (1) National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended and the Environmental Impact Assessment Regulations, 2014; and
- (2) National Environmental Management Act: Waste Act, 2008 (Act No. 59 of 2008) and Government Notice 921, 2013

PROJECT TITLE

APPLICATION FOR ENVIRONMENTAL AUTHORISATION FOR THE PROPOSED ELOFF SUBSTATION UPGRADE AND ASSOCIATED POWERLINE DEVIATION, VICTOR KHANYE LOCAL MUNICIPALITY, MPUMALANGA ON BEHALF OF ESKOM

Environmental Assessment Practitioner (EAP):	Jacqui Hex		
Contact person:	Jacqui Hex		
Postal address:	P.O Box 1434 Rivonia		
Postal code:	2128	Cell:	082 560 8601
Telephone:	011 519 0200	Fax:	011 519 0201
E-mail:	Jacqui@jaws.co.za		
Professional affiliation(s) (if any)	SACNASP, IAIAAsa, EAPSA (Interim Certification Board) and Board Member of EAPASA		
Project Consultant:	Jones & Wagener (Pty) Ltd Engineering & Environmental Consultants		
Contact person:	Olivia Bamford		
Postal address:	P.O Box 1434 Rivonia		
Postal code:	2128	Cell:	083 5604140
Telephone:	011 519 0200	Fax:	011 519 0201
E-mail:	olivia@jaw.co.za		

4.2 The Environmental Assessment Practitioner

I Jacqui Hex, declare that –

General declaration:

I act as the independent environmental practitioner in this application;

I will perform the work relating to the application in an objective manner, even if this results in views and findings that are not favourable to the applicant;

I declare that there are no circumstances that may compromise my objectivity in performing such work;

I have expertise in conducting environmental impact assessments, including knowledge of the Act, regulations and any guidelines that have relevance to the proposed activity;

I will comply with the Act, Regulations and all other applicable legislation;

I will take into account, to the extent possible, the matters listed in regulation 8 of the Regulations when preparing the application and any report relating to the application;

I have no, and will not engage in, conflicting interests in the undertaking of the activity;

I undertake to disclose to the applicant and the competent authority all material information in my possession that reasonably has or may have the potential of influencing - any decision to be taken with respect to the application by the competent authority; and - the objectivity of any report, plan or document to be prepared by myself for submission to the competent authority;

I will ensure that information containing all relevant facts in respect of the application is distributed or made available to interested and affected parties and the public and that participation by interested and affected parties is facilitated in such a manner that all interested and affected parties will be provided with a reasonable opportunity to participate and to provide comments on documents that are produced to support the application;

I will ensure that the comments of all interested and affected parties are considered and recorded in reports that are submitted to the competent authority in respect of the application, provided that comments that are made by interested and affected parties in respect of a final report that will be submitted to the competent authority may be attached to the report without further amendment to the report;

I will keep a register of all interested and affected parties that participated in a public participation process;

I will provide the competent authority with access to all information at my disposal regarding the application, whether such information is favourable to the applicant or not;

all the particulars furnished by me in this form are true and correct;

will perform all other obligations as expected from an environmental assessment practitioner in terms of the Regulations; and

I realise that a false declaration is an offence in terms of regulation 48 and is punishable in terms of section 24F of the Act.

Disclosure of Vested Interest (delete whichever is not applicable)

I do not have and will not have any vested interest (either business, financial, personal or other) in the proposed activity proceeding other than remuneration for work performed in terms of the Environmental Impact Assessment Regulations, 2014;

I have a vested interest in the proposed activity proceeding, such vested interest being:

Alden

Signature of the environmental assessment practitioner:

Jones & Wagener

Name of company:

19/2/2018

Date: