

# CURRICULUM VITAE

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Company Name	Arcus GIBB
Name	<b>Christopher Malcolm WIID</b>
Nationality	South African
Date of Birth	02.01.1953
Profession	Civil and Environmental Engineer
Position	Contracted Specialist
Current Specialisation	Integrated Waste Management Planning and project implementation, landfill site design, planning, contract administration and site
Start date with Arcus GIBB	1999 to Feb 2009 - Permanent full-time staff member March 2009 - Contract

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## Key experience

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A civil engineer with 29 years of experience, Christopher Wiid has worked in the sphere of roadworks and infrastructure both in the consulting and contracting fields. He has diversified into the environmental sphere with a specialisation in waste management, landfill design and associated project management. The remediation of contaminated land is an area in which he has also become involved.

His engineering experience and grounding, has enabled him to successfully plan and implement waste management projects, by integrating both conventional engineering principles and approaches, with the various sciences in waste management and the environmental field. He is a team player, accustomed to working closely with practitioners from other disciplines in the field.

The planning of solid waste disposal sites is a speciality. This involves the assessment of the suitability of sites, based on an exhaustive list of criteria. Other tasks would be the assessment of airspace requirements as informed by waste quantities and types, available resources and available site space. Budget estimation and projection is also a critical factor

Working trip to UK, USA and Italy (1997) to meet high profile roleplayers in the waste industry, visit geomembrane and geosynthetic clay, liner manufacturers, research institutions and landfill sites

His key experience includes:

- **Design, documentation, planning contract administration, site supervision and project management** of general and hazardous landfill sites
- **Contract administration, design, documentation and site supervision** of contaminated land rehabilitation projects
- **Integrated Waste Management planning and project implementation**
- **Planning and documentation** of civil engineering projects
- **Design, contract administration, project management and community liaison** of trunk road construction and rehabilitation projects (consultant and contractor)
- **Office management** (including marketing, client liaison, administration, mentorship, staff training)

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### Qualifications

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National Diploma for Technicians (Civil Engineering) : Cape Technikon, 1975  
Bachelor of Engineering (Civil) : University of Cape Town, 1982  
Diploma in Project Management : Executive Education, Durban, 1989  
Registration as a Professional Engineer : Engineering Council of South Africa, 1993  
PrEng Registration No : 930549  
Member of the Institute of Waste Management  
Past secretary of the KwaZulu-Natal Landfill Interest Group  
Committee Member of the Western Cape Landfill Interest (treasurer)  
Committee Member of the Western Cape Branch of the South African Institute of Waste Management

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### Career summary

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March 2009 to date **Arcus GIBB** – Contracted Specialist

Projects and responsibilities included:

- Pikitup (Pty)ltd: Disposal site development planning R 500 000
  - Assessments of waste quantities
  - Assessments of airspace requirements and capacity for 4 disposal sites
  - Planning for necessary expansions to 4 disposal sites
- East London IDZ: Waste Collection and Sorting Facility R 25 million
  - Planning and design review for a solid waste transfer station for the East London Industrial Development (collection of waste and sorting for recycling)
  - Assessments of waste quantities
  - Contract Management and Project Management
- Greater Port Harcourt City Development Authority, Rivers State, Nigeria: Waste Management facility design and planning
  - Assessments of waste quantities
  - Assessments of airspace requirements and capacity for new disposal site
  - Planning for necessary expansions to 4 disposal sites
  - Development planning, client liaison and design for new regional disposal site, Drop Off Centres and Buy Back Centres

1999 to 2009 **Arcus GIBB** – Associate

Projects and responsibilities included:

- City of Cape Town: Vissershok Class H:h waste disposal site Planning, client liaison, design, documentation, contract administration, site supervision, project management:
  - Assessments of waste quantities
  - Assessments of airspace requirements and capacity for new waste cells
  - Disposal cell 1, R10 million
  - Disposal cell 2, R12 million
  - Disposal cell 3, R 19 million
  - Disposal cell 4, R 14 million
  - Closure capping, R0.5 million
  - Leachate treatment plant, value R5 million
- City of Cape Town: Vissershok ClassH:h waste disposal site, Planning and Permit application:
  - Assessments of waste quantities
  - Assessments of airspace requirements and capacity for new disposal site

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- Overstrand Municipality: Karwyderskraal Class G solid waste disposal site  
Planning, client liaison, design, documentation:
  - Disposal cell, value R10 million
  - Operation of site, value R1 million (contract documentation and tender)
- Overstrand Municipality: Kleinmond and Hermanus Solid Waste Transfer Stations
  - Operation of Transfer Stations (contract documentation and tender), value R2 million
  - Haulage of waste (contract documentation and tender), value R1 million
- Buffalo City Municipality : Roundhill Regional Solid Waste Disposal Site  
Planning, client liaison, design, documentation, contract administration, site supervision, project management:
  - Disposal cell 1, value R7 million
  - Disposal cell 2, value R8 million
  - Technical support and review
- Buffalo City Municipality: Cambridge Solid Waste Transfer Station  
Planning, client liaison, design, documentation:
  - Cambridge Transfer Station
- Barlow World: Thesen Islands Remediation:  
Planning, client liaison, design, documentation, contract administration, site supervision, project management:
  - Remediation and closure (including contaminated land rehabilitation and composting of wood waste), value R9 million
- Oudshoorn Municipality
  - Development planning, client liaison and design for new disposal site
  - Site selection and permitting
  - Waste minimisation initiatives
  - Operations Document and contract administration for existing disposal site
- Amatola District Municipality: Ducats disposal site
  - Design of landfill site capping and closure
- National Cleaner Production Centre: Feasibility Study
  - Feasibility study : fabric waste recycling in the clothing and textile industry
- Heartland Properties: Paardevlei Earthworks
  - Earthworks to vlei and platform
  - Liaison with multidisciplinary design team (architects, planners, specialists)
- Overstrand Municipality: Gansbaai Disposal Site

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- Development planning, client liaison and design for new disposal site
- Design of Cell 1 and infrastructure, value R5.5 million
  
- Drakenstein Municipality: Paarl disposal site
  - Monitoring of rehabilitated landfill (co-ordination and participation on monitoring team for groundwater and landfill gas)
  
- City of Cape Town: Waste categorization study
  - Planning, fieldwork and reporting for a Waste Categorisation study
  - Examination of waste stream, categorization and analysis
  
- Mandeni Municipality: Integrated Waste Management Plan
  - Compilation of and Integrated Waste Management Plan
  - Compilation of waste collection contract document, tender process and adjudication
  
- Ekurhuleni Metropolitan Municipality: Disposal site selection
  - Disposal site selection involving negative mapping, site visits, public participation and reporting
  
- Beaufort West Municipality: Disposal site permit application
  - Disposal sites (2) permit application, fieldwork and reporting
  
- General
  - General office matters involving compilation of proposals, submission of tenders, project financial management, mentoring & training, office administration.

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1991 to 1999 **AA Loudon & Partners (consulting civil engineers)** - Associate Partner

Contract administration, planning, site supervision, project management, design, client liaison for various general and hazardous landfill sites:

- Phases 1B and 2A of Bulbul Drive Class H:h Landfill, Waste Services (Pty) Ltd, value 7 million
- Inanda Class G Landfill, Durban Solid Waste – R1.7 million
- Phases 4, 5, 6 and 7 of New England Road Class G Landfill, Pietermaritzburg TLC – value R3.6 million
- Cell 2 of Mariannhill Class G Landfill, Durban Solid Waste – R5 million
- Access road and building for Ixopo General Waste Incinerator, Ixopo TLC – value R1.2 million
- Contaminated site rehabilitation at Dundee Road Products, Colas – value R0.7 million

Contract administration, site supervision and community liaison under secondment to BKS Inc

- Rehabilitation of Bus routes in KwaMashu and Ntuzuma Townships involving deep milling and conventional methods, Department of Local Government and Housing – value R6.5 million

Contract administration, site supervision, project management, client and community Liaison

- Low-cost road rehabilitation, KwaZulu-Natal Department of Works – R2 million
- Rural road and drainage rehabilitation, KwaZulu-Natal Department of Works – value R9.2 million
- Tribal road upgrading using labour intensive methods, KwaZulu-Natal Department of Works – value R0.5 million

General administration including marketing, student and staff training, office Administration

1988 to 1991 **Bewloc (Pty) Ltd (Civil Engineering Contractors)** – Contracts Manager and Director

Contracts management, submission of tenders and supervision of road rehabilitation and bituminous surfacing projects

- National Route past Mkuze – National Transport Commission
- Annual trunk road rehabilitation contracts – Natal Provincial Administration

1986 to 1988 **Ninham Shand Incorporation (Consulting Civil Engineers)** - Civil Engineering

- Technician, assistant resident engineer
- Geometric design, drainage design, site supervision
- Trunk road between Mount Fletcher and Kinira Poort – Transkei Department of Works & Energy – value R7 million

1982 to 1986 **Fulltime study and vacation work as Technician**

BSc Civil Engineering at University of Cape Town sponsored by Ninham Shand

Projects included:

- Inspection and inventory of major roads in the Transkei

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- Geometric design on National Route between Worcester and De Doorns
- Clerk of works at New Groote Schuur Hospital
- Assistant residential engineer on overlay of DF Malan Airport

1981 to 1982 **Ninham Shand Inc (Consulting Civil Engineers)** - Civil Engineering Technician

Geometric design and drainage on trunk roads

1975 to 1981 **Clifford Harris (Pty) Ltd (Civil Engineering Contractors)** - Technician, Assistant Site Agent

Site supervision, measurement, and administration

- Cape Provincial Administration : trunk road
  - From Barkly East to Elliot
  - From Port Alfred to lovers Twist
  - From Ben Schoeman Airport to Kidds Beach
- Lohatla Military Base – roads, services, sports fields for the Department of Public Works

1973 to 1975 **Fulltime study**

National Diploma for Technicians (Civil Engineering) at the Cape Technikon sponsored by Clifford Harris (Pty) Ltd

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## Publications

Co-authored Poster Paper at Wastecon '98 entitled "Some aspects of the design and construction of landfills on slopes"

Co-authored a paper presented at the 12<sup>th</sup> Annual SAICE Congress in July 2001 "Redevelopment of contaminated land at Thesen Island Knysna". Environmental Planning: An Engineered Remediation – Dr J McStay, Mr S Doel, Mr C Wiid"

Authorised and presented two Papers at Biennial Conference, Wastecon 2000

- Waste disposal – who carries the can? A discussion of responsibility and accountability in the waste industry
- Geomembrane liners – examples of the pitfalls associated with their specification quality assurance and installation – a case study

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## Language capability

	<b>Speaking</b>	<b>Reading</b>	<b>Writing</b>
English	Excellent	Excellent	Excellent

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**Signature**

**Date**

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