

## **ENVIROAFRICA**

### **CURRICULUM VITAE**

**PEET (PETRUS JACOBUS JOHANNES) BOTES**

Nationality	South African
Profession	Environmental Scientist
Specialization	Environmental Management Systems Botanical Assessments Environmental Compliance Auditing Environmental Impact Assessments
Position in Firm	Member
Language	Afrikaans (home) English (fluent)
Years Experience: With Organisation:	Since March 2011
In field of Speciality:	Since 1997 (14 years)

### **KEY QUALIFICATIONS**

- Botanical Assessments
- Wastewater Management
- Environmental Management Systems (Planning, Development, Implementation and Review)
- Environmental Management plans (EMP)
- Environmental Control (ECO) during construction phase
- Environmental Compliance Auditing
- Environmental Impact Assessment and Review
- Environmental Advisory Services

### **EDUCATION AND PROFESSIONAL STATUS**

- BSc (Botany & Zoology), Dept. of Natural Sciences, Stellenbosch University 1989  
Additional Subjects: Nature Conservation III & IV & Biochemistry II
- Hons. BSc (Plant Ecology), Stellenbosch University, 1989  
Additional Subjects: Soil Science & Statistical Methods

**REGISTERED MEMBER:** Registered Professional Environmental and Ecological Scientist at SACNASP (South African Council for Natural Scientific Professions) as required in terms of Section 18(1)(a) of the Natural Scientific Professions Act, 2003.

### **EMPLOYMENT RECORD**

1 March 2011 till present	EnviroAfrica, Western Cape
July 2010 – February 2011	PB Consult, Western Cape
March 2005 – June 2010	Enviroscientific, Western Cape
November 1997 –February 2005	Denel OTB (Overberg Test Range), Western Cape

#### **BRIEF RESUME OF RELEVANT EXPERIENCE:**

- Act as environmental scientist, managing the environmental department of OTB (a division of Denel): developing and implementing an ISO14001 environmental management system, ensuring environmental legal compliance, performing environmental risk assessments with regards to missile tests performed on terrain, developed policy and management plans for natural veld- (26 000ha), alien plant-, game-, fire- and coastal management according to CapeNature principles;
- Evaluate Development proposals from an environmental perspective.
- Act as independent environmental consultant guiding and advising development proposals within legal constraints;
- Assess the potential impacts of proposed activities to allow for effective management and/or mitigation of negative impacts;
- Develop ISO 14001 environmental management systems for proposed developments;
- Ensure the implementation of good management principles by developing environmental management plans (EMP), both for the construction and operational phases of developments and offering environmental control officer (ECO) services;
- Facilitate DWA license application, especially with regards to winery wastewater and sewerage treatment systems;
- Facilitate and coordinate the Environmental Impact Assessment (EIA) process;
- Perform botanical assessments with regards to development proposals;
- Developing the biodiversity and legal insets for and environmental audit system with regards to the Woolworths Farming for the Future project.
- Performed more than 400 environmental audits with regards to biodiversity management and legal compliance within the agricultural sector;
- Ensure compliance to ROD by performing independent environmental compliance audits on completed development projects.

#### **PROJECT EXPERIENCE:**

- Environmental Control Officer for numerous projects e.g.: Frandevco Estate in Franschhoek; Crystal Creek in Somerset West; Various Ervin in Gordon's Bay; Mount Royal Estate, Malmesbury; Old Mill Estate, Worcester; Alleé Blue winery in Franschhoek; Arabella winery in Ashton; De Aria winery in Durbanville; Worcester WWTW; Sunny Side Reservoir and Low cost housing in De Doorns; Arniston WWTW; etc.;
- ISO 14001 Environmental Management Systems e.g.: Frandevco Estate, Franschhoek; Mount Royal Estate, Malmesburg; Lourensford, Somerset West, etc.;
- Environmental Management Plans e.g.: Calamatha Estate in Somerset West; Paternoster WWTW; GrainCo Silo Bag Depots; Cathbert development, Paarl; Stuisbaai WWTW;
- Full Biodiversity Management Plans e.g.: Loevenstein & Morelig Farms in Paarl; Bosman Farming in Wellington, Graymead Melssetter Farms in Grabouw; Graaf Fruit in Prince Alfred Hamlet; Kroonpoort Farm in Napier; UVA Farms in Wellington, etc.;
- Botanical assessments e.g.: Betty's Bay urban development; Gansbaai Municipality; Seven Falls Heidelberg; Crystal Creek; Somerset West; Schaapkraal Erf in Cape Town; Kleindrif River Lodges, Wemmershoek Voortrekker Camp Site Upgrade, etc.;
- DWA Wastewater General Authorization or License applications (more than 80 wineries as well as Sewerage Treatment Systems)
- Environmental compliance audits e.g.: Vioolsdrif Border Post Development; Bitterfontein Pipeline; Kennard Pipeline, etc.;
- Development planning and EIA process e.g.: Zuiderkruis Farm in the Hemel and Aarde Valley; Struisbaai WWTW; Groenrivier development in Worcester; etc.;
- Biodiversity & environmental legislation audits (performed more than 400 Woolworths Farming for the Future audits in the agricultural sector)