

GILLIAN PETZER - CURRICULUM VITAE

Gillian Petzer has more than five years experience in the field of air pollution impact assessment and air quality management. Prior to becoming involved in air quality consultation, she specialized in indoor air pollution at the Building Research Establishment in the UK. Since joining Airshed Planning Professionals she has undertaken numerous air pollution impact studies, with specific reference to emissions inventory development, dispersion modelling application, health impact analysis and air quality management planning and system development.

1. CURRENT AFFILIATION AND JOB DESCRIPTION

Airshed Planning Professionals (Pty) Ltd – *(March 2003 to present)*

Gillian Petzer's main focus of work is air quality management planning and air quality impact assessments. This requires emissions inventory compilation and emissions factor application, atmospheric dispersion modelling, meteorological data analysis and interpretation, and health risk screening assessments.

2. ACADEMIC QUALIFICATIONS

B.Eng. (Chemical)	University of Pretoria	1999
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2. CAREER HISTORY

Environmental Scientist	Airshed Planning Professionals (Pty) Ltd	March 2003 onwards
Environmental Scientist	Building Research Establishment (BRE)	2000 to 2002

2.1. Previous Experience

- Employed by the Building Research Establishment (BRE) in the UK as an **Indoor Air Quality Scientist**: worked on research on buildings and building regulations for the British government and large international corporations researching air quality inside various buildings, such as homes and offices. (2000 - 2002).
- Airshed Planning Professionals (Pty) Ltd *(March 2003 to present)*.
 - * Approximately five years experience in conducting air quality impact assessments for a wide range of industries including: refineries, power stations, iron and steel industries, platinum industry, mining (etc.).
 - * Atmospheric dispersion models applied to date include: Industrial Source Complex models (ISCST3 and SCREEN3), AMS/EPA Regulatory Models (AERMET/AERMOD), ADMS 4, CALMET/CALPUFF suite of models, and puff based HAWK model.

* Emission models: Tank 4.0.

3. SEMINARS & CONFERENCES

- NACA Conference (*October 2003*): *Attended.*
- NACA Conference (*September 2005*): *Attended and presented a paper.*
- NACA Conference (*October 2007*): *Attended and presented a paper.*

4. MEMBERSHIP

- National Association for Clean Air.
- South African Institute of Chemical Engineers.