



Review of the 2009 Gauteng Air Quality Management Plan



Background Information Document

May 2017

1 Introduction

Gauteng is one of South Africa's nine provinces. It is the smallest province, but comprises three metropolitan municipalities, namely, City of Johannesburg (CoJ), City of Tshwane (CoT) and Ekurhuleni Metropolitan Municipality (EMM). The three district municipalities that also form part of the province include Sedibeng and West Rand District Municipalities (Figure 1-1).

Section 15(2) of the National Environmental Management: Air Quality Act (NEM: AQA) (Act No. 39 on 2004) requires each province to develop an Air Quality Management Plan (AQMP), to be included in the Environmental Management Plan (EMP). In response, Gauteng Department of Agriculture, Conservation and Environment (GDACE) developed the first provincial AQMP in South Africa in 2009. The Gauteng Department of Agriculture and Rural Development (GDARD) has initiated a project to review the 2009 Gauteng AQMP. uMoya-NILU Consulting (Pty) Ltd was appointed to assist GDARD and to lead the revision of the AQMP. The AQMP review is a 14-month project and is planned to conclude in March 2018. The main aim of the project is to review the current AQMP and to develop new objectives and strategies to ensure improvement in provincial ambient air quality and the maintenance thereof.



Figure 1 Locality map showing the Province of Gauteng and the associated municipalities

2 What does this background document tell you?

The purpose of this Background Information Document (BID) is to provide stakeholders with a brief outline of the AQMP review process. It also provides stakeholders with an invitation to register and to participate in the AQMP review. Registration allows stakeholders to stay informed of the project progress as well as the opportunity as to raise issues and submit comments for inclusion in the AQMP.

2.1 About the Air Quality Management Plan

An AQMP is a strategic document that will assist GDARD to achieve its air quality management goals in a structured, coordinated and measured manner. It should seek to give effect to Chapter 3 of the NEM: AQA. It must:

- Either improve poor air quality or maintain the air quality status, where it is good;
- Identify and reduce the negative impact of air pollution on human health and the environment;
- Address the effects of emissions from sources such as industry, transportation, residential fuel burning and agriculture;
- Give effect to best practice in air quality management; and
- Describe how implementation will be effected and measured.

The AQMP review project for Gauteng involves a number of steps, namely:

- 1) *Stakeholder participation* aims to ensure that all issues are identified and that interventions are appropriate and the implementation is successful. In the development and implementation of an AQMP, the range of stakeholders include National and Provincial Government, industry, agriculture, planning and development departments, communities, NGOs, and academic institutions.
- 2) The *Status Quo Assessment* describes trends and the state of air quality in an area including the climate, meteorology, geography and sources of air pollutants. Ambient monitoring data and dispersion modelling describes the current state of air quality. The assessment also addresses the status of capacity in the municipality to fulfil the air quality management mandate.
- 3) Air quality management *gaps and issues* are then identified from the status quo assessment and provides focus for setting goals for the AQMP.
- 4) The *vision and mission* of the 2009 AQMP are assessed and revised according to the gap and problem analysis, and *short and longer-term goals* are set in consultation with the relevant stakeholders to guide air quality management by GDARD for the next 5 years.
- 5) Realistic, implementable and appropriate *intervention strategies* are then developed with relevant stakeholders to ensure that the desired outcome will be achieved through the implementation of the AQMP. The intervention strategies include :
 - Action plans with activities;
 - The responsible implementing party;
 - Timeframes for implementation and indicators to monitor implementation and, the efficacy of the interventions.

- 6) Monitoring and evaluation: Monitoring is the on-going assessment of the implementation of the AQMP, while evaluation is the assessment of the respective interventions in reaching the goals of the AQMP.

3 More about stakeholder engagement

The first stage of the participation process involves the establishment of the stakeholder database. Various means to identify stakeholders will be employed including notifications of the AQMP review in the local press with an invitation to register. Public meetings will be held at two key project milestones. The first of which will be to present and discuss the draft status quo assessment when air quality management gaps, issues and concerns will be discussed to be taken forward into the revised AQMP. The second will be to present and discuss the draft AQMP and implementation plan. Documentation on the AQMP review project will be made available on the project page available from <http://www.umoya-nilu.co.za/>

4 How you can become involved

Stakeholders can get involved in the AQMP review process in a number of ways, including:

- Registering as a stakeholder by contacting the project secretary directly or by registering on the project website;
- Submitting comments on air quality and the review of the Gauteng AQMP to the Project Secretary;
- Responding to the notice of AQMP development advertised in the local media;
- Attending the public meetings; and
- Providing comment on the draft status quo report and the draft AQMP during the relevant comment periods provided.

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