

2016 LEKGOTLA RESOLUTIONS AND NAQO REPORT

Session 7
Tuesday, 04 October 2016



Climate Change and Air Quality



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Environmental Affairs
REPUBLIC OF SOUTH AFRICA

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Mbombela, Mpumalanga
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Presentation Outline

- Provincial Reports
- Ambient Air Quality Monitoring
 - Establishment of NAQI Stations
 - Network status
 - National Monitoring Strategy
- National Air Quality Research Strategy
- 2016 AQ Lekgotla Resolutions
- Closure



Provincial Reports

**Covered sufficiently and eloquently in
sessions 2A and 2B**



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Ambient Air Quality Monitoring: Establishment of the NAQI Stations

- DEA undertook an exercise to identify the stations for the NAQI reporting for the second phase of the NAQI Reporting (NF 2012)
- Criteria:
 - Representation according to pollution sources/objectives of the monitoring stations
 - Geographical spread to be more representative of **national coverage**



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Ambient Air Quality Monitoring

Establishment of the NAQI Stations

Station Name	Owner	Operational Status	Station Type
Alexandra	City of Johannesburg	Operational	Surbarban (Low Income Residential Settlements)
Buccleugh	City of Johannesburg	Operational	Traffic
Bedfordview	Ekurhuleni	Operational	Traffic
Germiston	Ekurhuleni	Operational	Industrial
Olifantsfontein	Ekurhuleni	Operational	Industrial
Etwatwa	Ekurhuleni	Operational	Surbarban (Low Income Residential Settlements)
Springs	Ekurhuleni	Operational	Urban
Hantam - Karoo	SAWS	Operational	Background
Phalaborwa	LEDET	Operational	Urban
ACSA King Shaka	ACSA	Operational	Traffic
Saltworks	COEGA IDZ	Operational	Industrial
Welgegund	North West University	Operational	Background

Ambient Air Quality Monitoring

Second Phase NAQI Reporting Stations

Station Name	Owner	Operational Status	Station Type
Zamdela	DEA-SAWS	Operational	Surbarban (Low Income Residential Settlements)
Cape Point	SAWS	Operational	Background
Rosslyn	City of Tshwane	Operational	Industrial
Soshanguve	City of Tshwane	Operational	Surbarban (Low Income Residential Settlements)
Olievenhoutbosch	City of Tshwane	Operational	Surbarban (Low Income Residential Settlements)
Diepkloof	DEA-SAWS	Operational	Urban
City Hall	City of Cape Town	Operational	Traffic
CBD, Richards Bay	Richards Bay Clean Air Association	Operational	Urban
Sasol Club	Sasol	Operational	Industrial
Ermelo	DEA-SAWS	Operational	Surbarban (Low Income Residential Settlements)
Elandsfontein	Eskom	Operational	Peri-Urban

Ambient Air Quality Monitoring

Second Phase NAQI Reporting Stations

Station Name	Owner	Operational Status	Station Type
Foreshore	City of Cape Town	Operational	Traffic
Khayelitsha	City of Cape Town	Operational	Surbarban (Low Income Residential Settlements)
Portsdam	City of Cape Town	Operational	Industrial
Table View	City of Cape Town	Operational	Surbarban (Medium & Upper Residential Settlement)
Somerset West	City of Cape Town	Operational	Surbarban (Medium & Upper Residential Settlement)
Worcester	Western Cape DEADP	Operational	Surbarban (Medium & Upper Residential Settlement)
George	Western Cape DEADP	Operational	Surbarban (Medium & Upper Residential Settlement)

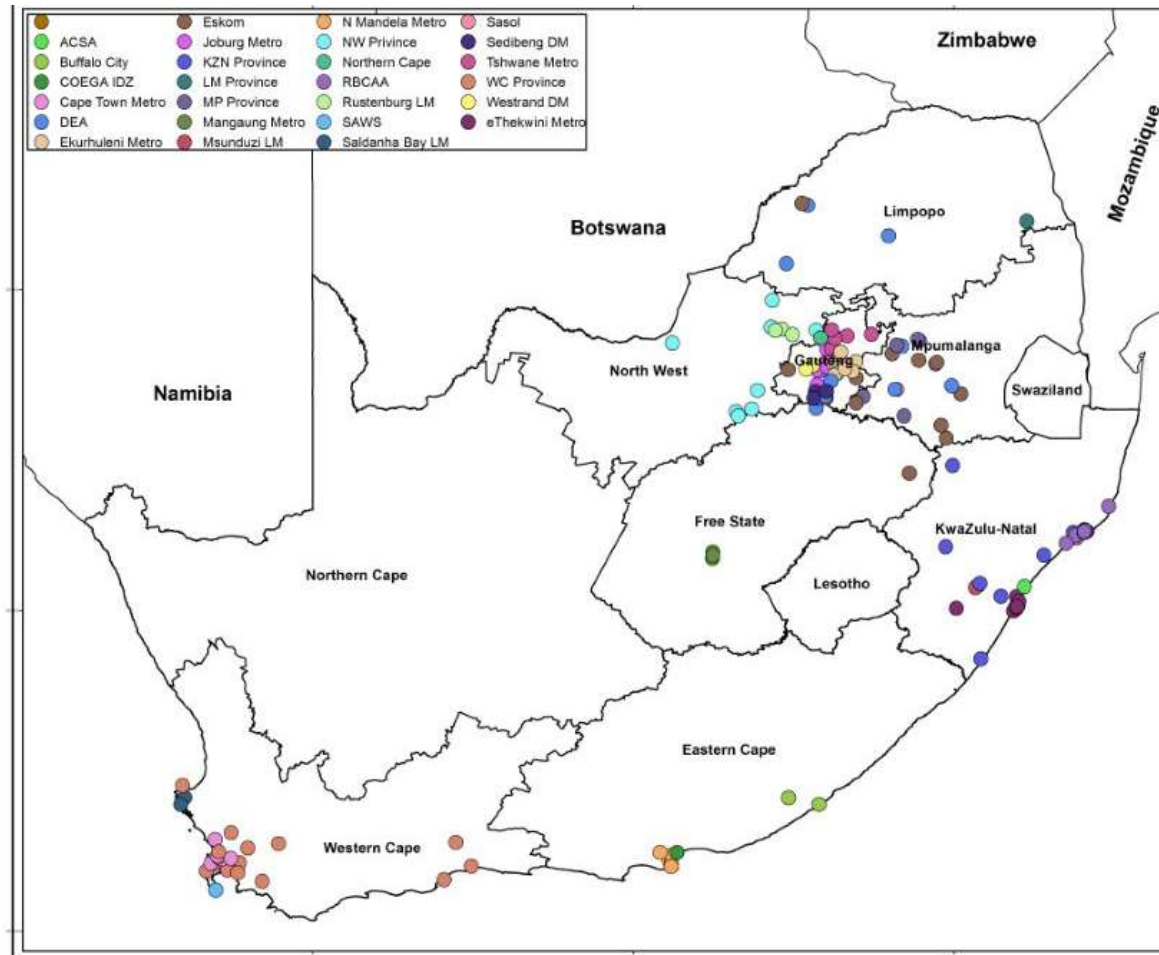
Ambient Air Quality Monitoring

Second Phase NAQI Reporting Stations

Station Name	Owner	Operational Status	Station Type
City Hall	eThekwini	Operational	Traffic
Ganges	eThekwini	Operational	Traffic
Settlers	eThekwini	Operational	Industrial
Southern Works	eThekwini	Operational	Industrial
Vanderbijlpark	Sedibeng DM	Operational	Industrial
Mafikeng	North West Province	Operational	Urban
Xanadu	SAWS	Operational	Background
Walmer	Nelson Mandela Bay	Not Operational	Urban
Pelonomi Hospital	Mangaung Metro	Not fully Operational	Urban
Lephalale	DEA-SAWS	Operational	Urban
Middleburg	DEA-SAWS	Operational	Urban
Marikana Community Centre	Rustenburg LM	Operational	Surbarban (Low Income Residential Settlements)

Ambient Air Quality Monitoring: Network Status

- There are **130** government owned stations
- Of these an average of **50** are reporting to SAAQIS monthly
- Of these **50**, about **30** stations are reporting LIVE to SAAQIS
- Streamlining of the network is critical – further communication to follow
- Breakaway session addressed this and made a welcome resolution



Ambient Air Quality Monitoring: The National Monitoring Strategy

- Provide guidance for present and future monitoring work
- Defines the following with regard to continuous ambient air quality monitoring:
 - Areas where it is a MUST
 - Areas where monitoring does not need to cover the full suite on criteria pollutants (advisable according to objectives)
 - Areas where it is not advisable – only screening may be conducted from time to time



National Air Quality Research Strategy

- In line with Presidency's Evidence Based Policy Making
- Providing a formal platform for researchers to interact with policy makers
- Identifying policy questions that require further research
- Formulating the relevant research questions
- Providing a platform for translating science to policy



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2016 Lekgotla Resolutions



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Information Management

- Development of Air Quality Monitoring Plans by network owners
- Provinces to establish structures to support municipalities with ambient air quality monitoring
- Network owners to be clear and specific on skills transfer programme by service providers
- SAAQIS will be upgraded within seven months and progress will be provided during WGII



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Authorisation Priorities

- **Workshop to review compatibility of Category 10**
 - AEL template to be reviewed and/or legalised to ensure consistency: **SNAEL????**
 - The approach and road map towards legislating AEL processes to be discussed at extended WGII
 - Process flow for AEL applications to be developed
 - Timeframes for AEL process for renewal; review and variations AEL to be legislated;
 - SOP for general conditions on AELs
- **Delay the upgrade of SNAEL and increase compatibility with authorities IT systems**



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Compliance Monitoring and Enforcement

- Develop a protocol to be used by SANAS to accredit Air Quality specialists
- Mark Jardine from WG4 should present designation challenges at at WG2
- We cannot correlate better/worse ambient air to enforcement action outcomes/ air quality management tool implementation - We need to come up with systems
 - Monitoring (using our AQM Tools and plans)
 - **We need systems in place to align monitoring and air quality improvements.**



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Strategy Development

- **Section 23 Implementation**

- Boilers: Where combined capacity = > 50MW thermal, the facility must be licensed
- Asphalt: Clarity to be provided in the NF review and possibly through the notice.

- **Controlled fuels declaration**

- We must explore using this tool for non-conventional fuels.

- **Other sources of pollution (sugar burning, vehicles, biomass, etc)**

- Use bylaws and local strategies (eco-directives etc.)

- **Synergies between climate change and AQ**

- Covered sufficiently in Session 4



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Closure

- Thank you for the successful AQ 2016 Lekgotla!!!! Working together we have done more...

**Venue for the 2017
AQ Lekgotla...**



Any Takers???

**AQ LEKGOTLA
2016!!!**

- 1. GAUTENG???**
- 2. NORTHERN CAPE???**
- 3. NORTHERN
CAPE/GAUTENG!!!**



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**THANK YOU ALL FOR
ATTENDING AND
PARTICIPATING IN THE 2016
AQG LEKGOTLA!!!**

**Important: Stakeholder
Workshops Tomorrow!!!**

