



environmental affairs

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Environmental Affairs  
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# **THE NATIONAL AIR QUALITY OFFICER'S REPORT AND FEEDBACK FOR THE 2010 LEKGOTLA RESOLUTIONS**

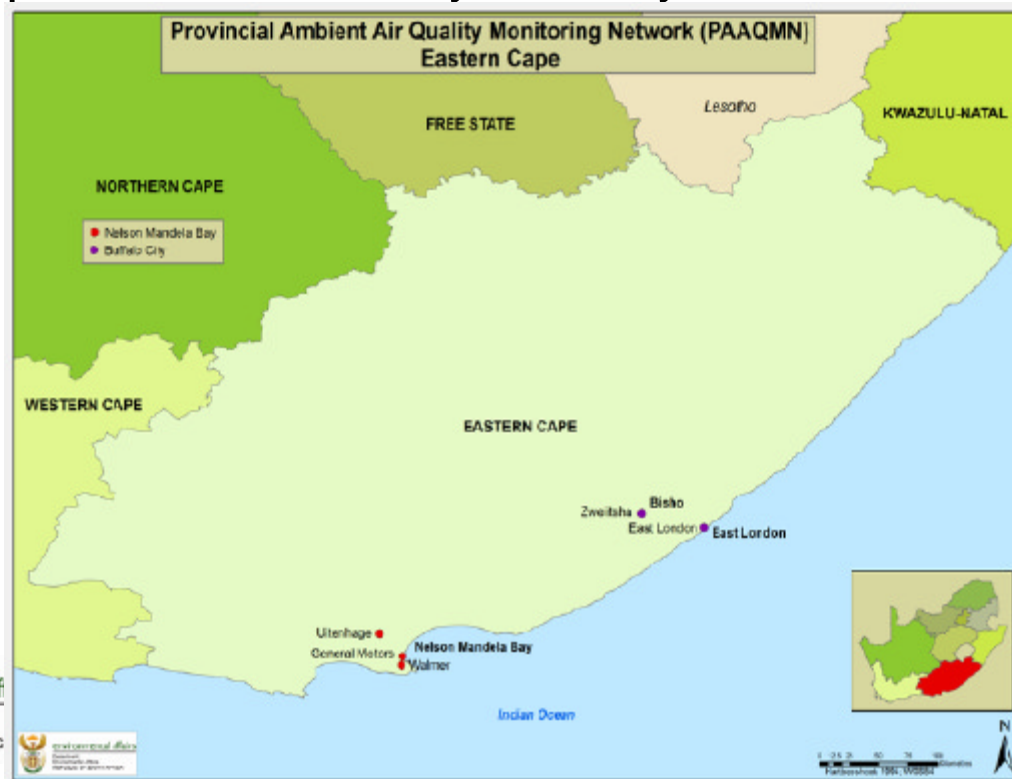
Lekgotla Session 8.1

6<sup>th</sup> Annual Air Quality  
Governance Lekgotla: Premier Hotel  
Regent , East London.  
10-12 October 2011.

Presented by: Dr. T.N. Mdluli  
Acting Chief Director: Air Quality  
Management, Department of  
Environmental Affairs

# Eastern Cape Highlights

- Air Quality Information Management
  - Eastern Cape Inventory Preparation Plan targeting Fuel Burning Appliances, Dry Cleaners, Waste Disposal Site, Forestry Industry



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# Eastern Cape...

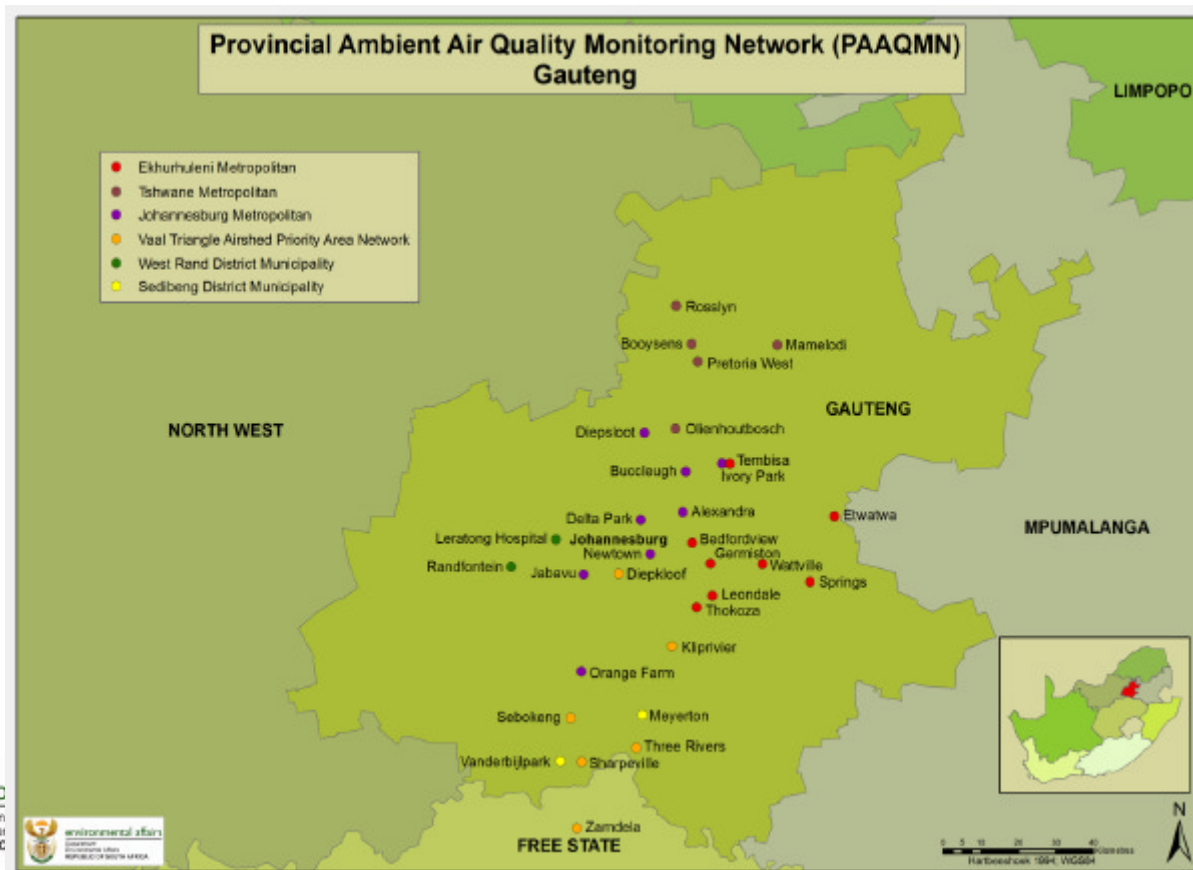
- Compliance and Enforcement
  - Inspections on two Odorous Industries in Port Elizabeth.
  - Enforcement actions implemented against a Sand Blasting Operation and Drum Reconditioning Plant.
  - One additional EMI trained in the Eastern Cape

# Eastern Cape....

- Air Quality Management Plans
  - Finance and support:
    - Nelson Mandela Bay Municipality AQMP
    - Buffalo City Metropolitan Municipality AQMP
  - Conducted a Clean Fire Campaign in Indwe.
  - Amatole District Municipality: developing AQMP
  - Chris Hani: developing AQMP
  - Developed an Eastern Cape Climate Change Response Strategy

# Gauteng Highlights

- Air Quality Information Management
- 32 Monitoring stations excluding privately owned



# Gauteng....

- Air Quality Management Plans
  - Gauteng Provincial AQMP: launched October 2010
  - Gauteng Department of Roads and Transport: Developing AQMP – vehicle emissions
  - City of Joburg is reviewing AQMP
  - City of Tshwane: AQMP review tender awaiting adjudication includes Metsweding DM (adopted by Council in 2010)
  - West Rand DM AQMP: complete and includes Merafong Local Municipality. Currently WRDM issuing tender for Emission Inventory

# Gauteng...

- Air Quality Management Planning...
  - Sedibeng DM has adopted the implementation of the Vaal Triangle Airshed Priority Area AQMP, currently compiling a comprehensive emissions inventory
  - Ekurhuleni AQMP has been approved in 2005 and due for revision.

# Gauteng...

- Air Quality By-Laws and Regulations
  - City of Joburg by-laws: gazetted in May 2011
  - City of Tshwane by-laws: published and public participation process soon to begin
  - The Sedibeng district by-laws: being finalised for public participation.
- Public Awareness
  - Gauteng Green Strategic Programme.
  - City of Tshwane “Follow the smoke” campaign is still ongoing and running well
  - Ekurhuleni is doing diesel emission monitoring on cars (150 cars per month).



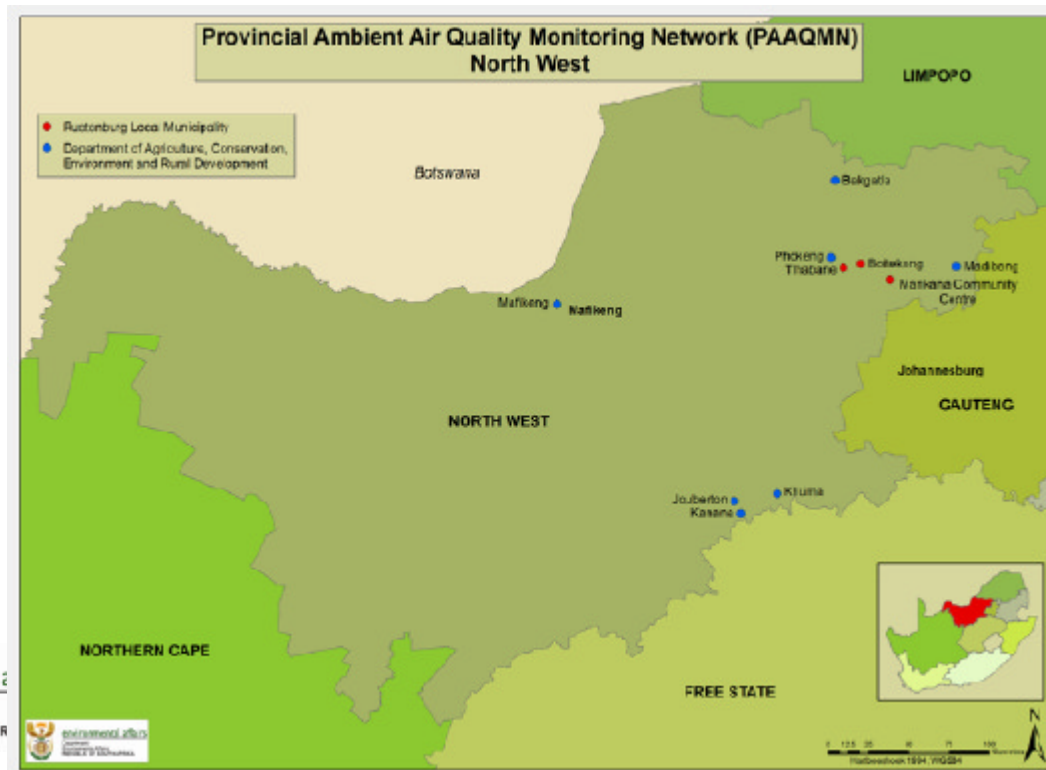


# Gauteng...

- Atmospheric Emission Licensing
  - Joburg : DEA handed over 80 industries, after verification process the number is 50. 8 provisional certificates reviewed and AELs issued
  - Tshwane: 5 applications, issued 3 AELs
  - Westrand: applications received, 4 AELs issued
  - Ekurhuleni: 42 applications, 7 issued

# North West Highlights

- Air Quality Information Management
  - 7 owned by Province, 4 owned by Rustenburg LM ,1 owned by University of NW. Industries has **21** ambient air quality stations and being reported on



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# North West...

- AQMPs
  - Provincial AQMP completed in 2009.
  - Bojanala AQMP completed and adopted by council in June 2011
  - Dr. Kenneth Kaunda: AQMP under development
  - Dr. Ruth Segomtso Mompoti and Ngaka Modiri Molema: No AQMPs



# North West...

- Air Quality By-Laws and Regulations
  - Rustenburg local municipality has adopted the DEA's draft air quality by-law in 2009
  - Bojanala Platinum District Municipality by-law under development
  - Dr. KK by-law under development
- Public Awareness
  - Follow the smoke campaign
  - Education on landfill smoke

# North West...

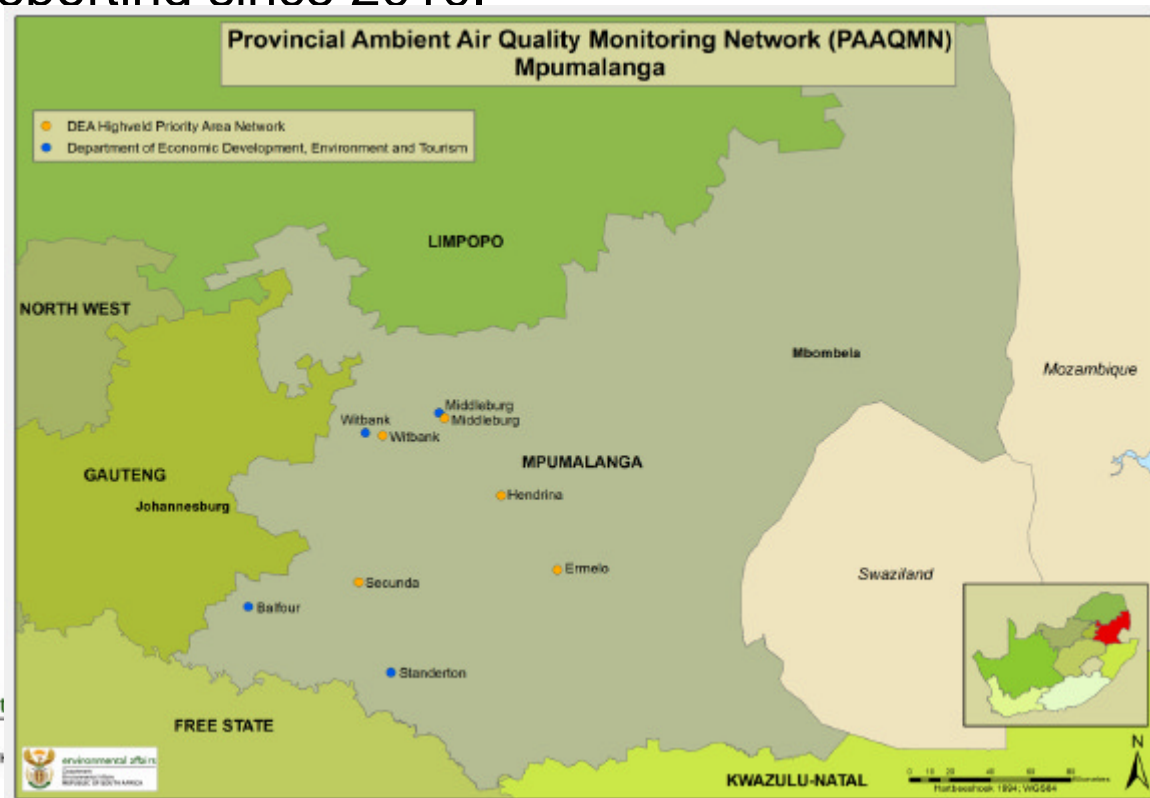
- Atmospheric Emission Licensing
  - Two districts has delegated the function to Province, i.e. Bojanala Platinum and Dr. KK.
  - The other two have limited listed activities
  - 14 applications received, 3 for variation, 2 new and issued, 9 both renewal and review
  - One new provisional atmospheric emission licence was issued to a new application
  - **R45 000.00** has been collected from four application for processing fee – it is expected that a minimum of **R88 000.00** will be collected from the remaining.

# North West...

- Improvement Campaigns and Projects
  - Bojanala Platinum District Municipality: 11 Officials EMI training, pending designations
  - Dr. Kenneth Kaunda District Municipality formed an industrial municipal air quality officers' forum called **KOSH** ( Klerksdorp, Orkney, Stilfontein and Haartebeesfontein) communities – province is a member
  - Dr. KK there is an **incinerator monitoring committee (KIMC)**

# Mpumalanga Highlights

- Air Quality Information Management
  - 4 Ambient Air Quality Monitoring Stations are connected to the SAAQIS web-site and have been reporting since 2010.



# Mpumalanga...

- Air Quality Management Plans
  - Majority of sources within Highveld Priority Area.
  - Provincial AQMP: ToR development planned for 2012/13.
  - Ehlanzeni: Started drafting ToR
- Air Quality By-Laws and Regulations: Gert Sibande completed draft By-law for circulation by end of Oct



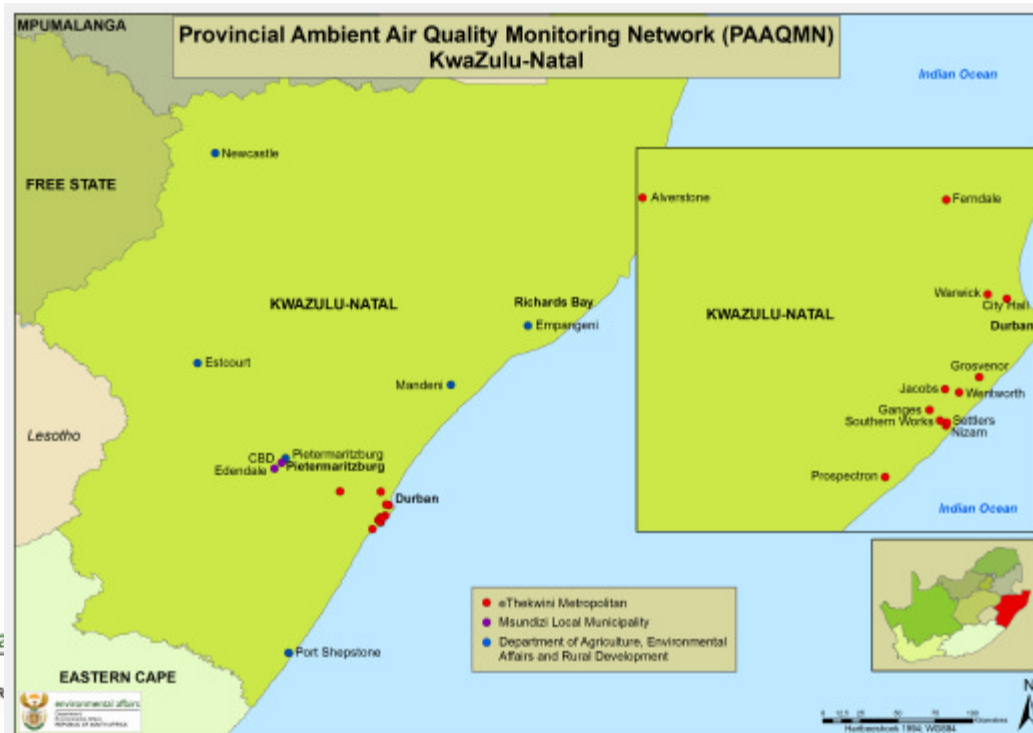
# Mpumalanga....

- **Public Awareness:** joint public engagement Environment Month in June 2011
- **Atmospheric Emission Licensing**
  - Gert Sibande DM is AELA
  - Ehlanzeni and Nkangala DM - delegated function to Province
  - Nkangala DM – developing institutional mechanism for AEL
  - 4 AELs issued
- **Compliance and Enforcement:** Joint Compliance Enforcement Plan – Province, AELAs and DEA



# KwaZulu Natal Highlights

- Air Quality Information Management
  - Continuous AQ monitoring
  - No exceedance of the SO<sub>2</sub> concentrations at the monitoring sites



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# KwaZulu Natal

- Atmospheric Emission Licensing: 8 AEL applications – no further information

# Limpopo Highlights

- Air Quality Information Management
  - **Capricorn District Municipality:** Implemented a continuous monitoring program for PM10 and passive diffusive sampling program for SO<sub>2</sub>, NO<sub>2</sub>, O<sub>3</sub>, and VOCs (BTEX) to assess baseline air quality.
  - **Sekhukhune District Municipality:** Monitoring equipment expected in 6 weeks
  - **Industry:** 7 stations
  - **Waterberg and Capricorn District Municipality:** Emission Inventory System Development project
  - **Province:** Emission Source Inventory, regularly updated incl small boilers register
  - Small Boilers (less than 50 MW heat input) Register available



# Limpopo...

- Air Quality Management Plans
  - Provincial AQMP under development
  - Capricorn District Municipality: AQMP – 2006
  - Greater Sekhukhune District Municipality: AQMP – 2009
  - Waterberg District Municipality: AQMP – 2009
  - Vhembe District Municipality: AQMP under development
- Air Quality By-Laws and Regulations
  - Capricorn DM: AQM by-laws in the 2011/12
  - Vhembe District Municipality: in process of developing AQ by-laws.
  - Provincial Atmospheric Emission Licensing Fee Regulations to be Developed in the 2011/12 FY



# Limpopo...

- **Atmospheric Emission Licensing**
  - 15 AEL applications, 3 issued.
  - Delegations to Province: Five District Municipalities have delegated the function: Mopani, Vhembe, Waterberg, Greater Sekhukhune - No AEL applications have been received as yet.
  - Capricorn DM: is AELE
- **Air Quality Campaigns and Projects**
  - Aluminium Three legged pots manufacturing project
  - Registration of small boiler operations
- **Enforcement:** a notice has been issued to a back yard aluminium pot manufacturer

# Northern Cape Highlights

- Air Quality Information Management:
  - 5 passive samplers
  - 5 mines report monitoring results on a quarterly basis to
- Air Quality Management Plans
  - Frances Baard DM: completed AQMP and it forms part
  - Provincial AQMP was scheduled for completion November 2011 – delayed , but has been
- Air Quality By-Laws and Regulations:  
Frances Baard District Municipality has a draft

# Northern Cape...

- **Compliance and Enforcement:** 1 industry was handed over to compliance and enforcements which lead to the successful closure.
- **Air Quality Improvement Campaigns**  
**Projects:** 7 indoor air quality monitoring surveys in low income and informal settlements as well as Basa njengo Magogo.

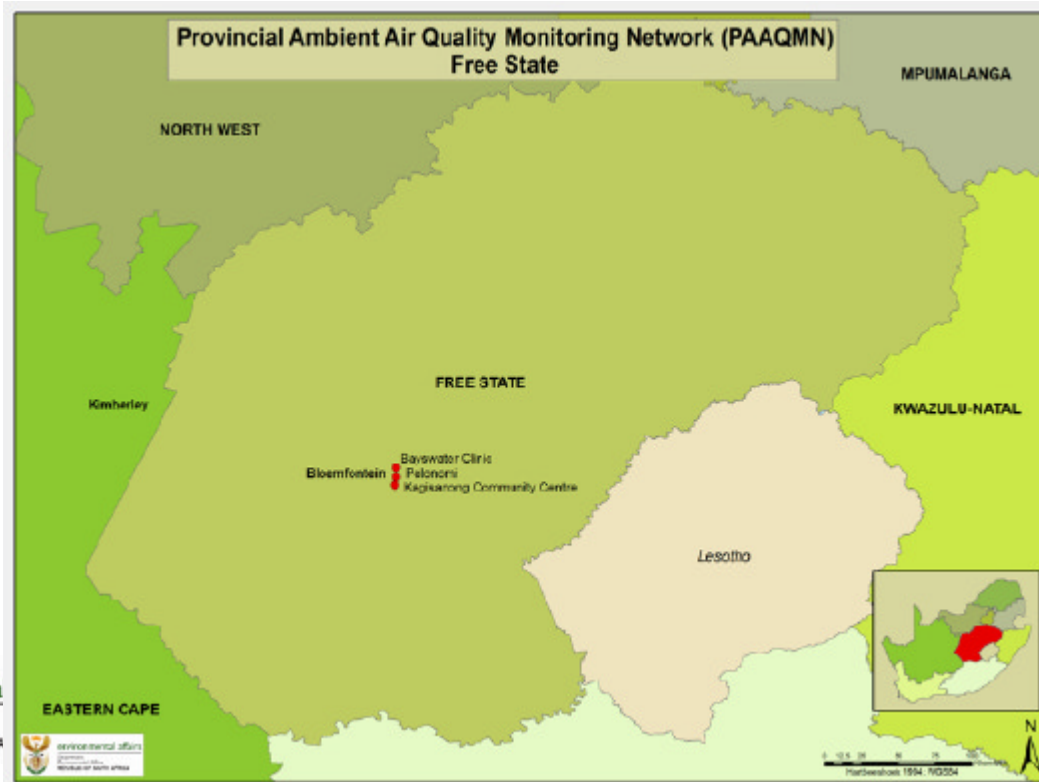


# Northern Cape...

- Atmospheric Emission Licensing
  - 1 application received, not yet finalised
  - 2 District municipalities have accepted the responsibility to be licensing authorities, while one district has seconded the function back to the province. Still awaiting responses from two district municipalities.

# Free State Highlights

- Air Quality Information Management
  - Mangaung – 3 AQ monitoring stations
  - Fezile Dabi covered in VTAPA monitoring



# Free State...

- Air Quality Management Plans
  - Provincial AQMP
  - Fezile Dabi AQMP
  - Lejweleputswa DM: AQMP awaiting council adoption
  - Mangaung Metro: to review and adopt baseline assessment of former Former Motheo District Municipality.

# Free State...

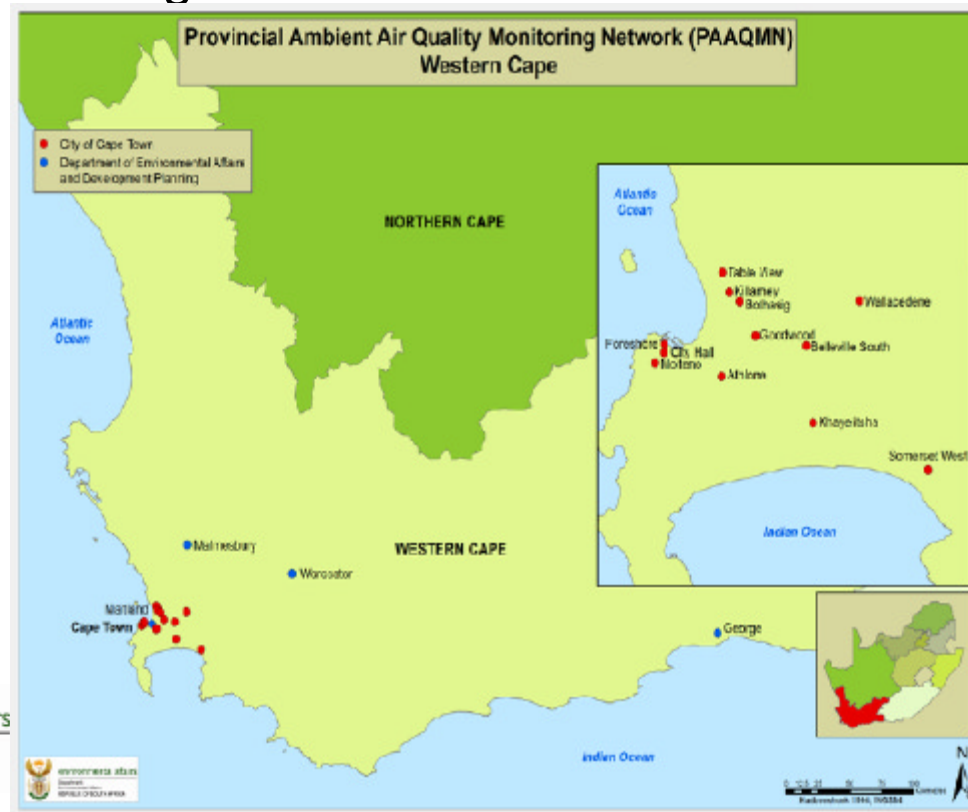
- Air Quality By-Laws and Regulations
  - The municipality intends to include vehicle emissions testing as part of their by-laws
  - Province: compiling database of S21 activities.
  - evaluating legislative requirements for implementation of the license fee calculator
  - Fezile Dabi DM: completed database of S21 activities. Investigating license fee calculator and intention to include the license fee calculator in the Air Quality by-laws.

# Free State...

- Atmospheric Emission Licensing
  - Fezile Dabi: 6 applications received, none finalised
  - Mangaung Metropolitan Municipality: 3 applications received none finalised
- Compliance and Enforcement
  - Issued requests for Atmospheric Impact Reports: no responses yet

# Western Cape Highlights

- Air Quality Information Management
  - 210 S21 facilities for 2010
  - 9 monitoring stations



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# Western Cape...

- Air Quality Management Plans
  - Province
  - Eden DM
  - Cape Winelands
  - City of Cape Town
  - Overberg – not yet
  - West Coast – developing
  - Drakenstein LM

# Western Cape...

No:	MUNICIPAL AREA	APPLICANT	PROGRESS
1	<b>West Coast District Municipality</b>	Pioneer Fishing (West Coast) (Pty) Ltd	In progress
2	<b>West Coast District Municipality</b>	Marine Products - a division of Foodcorp (Pty) Ltd	In progress
3	<b>West Coast District Municipality</b>	Exxaro Resources (Pty) Ltd	Issued by DEA
4	<b>West Coast District Municipality</b>	Transnet Iron Ore Handling Facility	Issued by DEA
5	<b>West Coast District Municipality</b>	Oceana Brands (West Coast) (Pty) Ltd	In progress
6	<b>West Coast District Municipality</b>	West Point Processors (Pty) Ltd	In progress
7	<b>West Coast District Municipality</b>	Swartland Boudienste (Pty) Ltd	In progress
8	<b>West Coast District Municipality</b>	Rooibos Limited	Issued by DEA
	<b>West Coast District Municipality</b>	Hannnasbaai Fishing	In progress
9			
10	<b>Cape Winelands District Municipality</b>	Drakenstein Crematorium	In progress
11	<b>Cape Winelands District Municipality</b>	Rainbow Farms (Pty) Ltd	Issued by DEA
12	<b>Eden District Municipality</b>	Crematorium Authority (George)	Issued by DEA
	<b>Eden District Municipality</b>	PG Bison Thesen Sawmill - George	In progress
13	<b>Eden District Municipality</b>	PG Bison Woodline Pole Plant - Great Brakriver	In progress
14	<b>Eden District Municipality</b>	Outeniqua Poles/South Cape Poles (Pty) Ltd	In progress
15	<b>Eden District Municipality</b>	Fechters Sawmill (Pty) Ltd	Issued by Eden DM
16	<b>Eden District Municipality</b>	Geelhoutvlei Timbers (Pty) Ltd	Issued by Eden DM



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THANK YOU ALL FOR  
ATTENDING THE 2011  
LEKGOTLA!!!

Workshop Tomorrow

