



MILNERTON

AIR QUALITY PROJECT

JUNE 2008

BOTHASIG – van BREUGEL STREET
GOODWOOD – OXFORD STREET
TABLE VIEW - CIRCLE ROAD

PREPARED BY:
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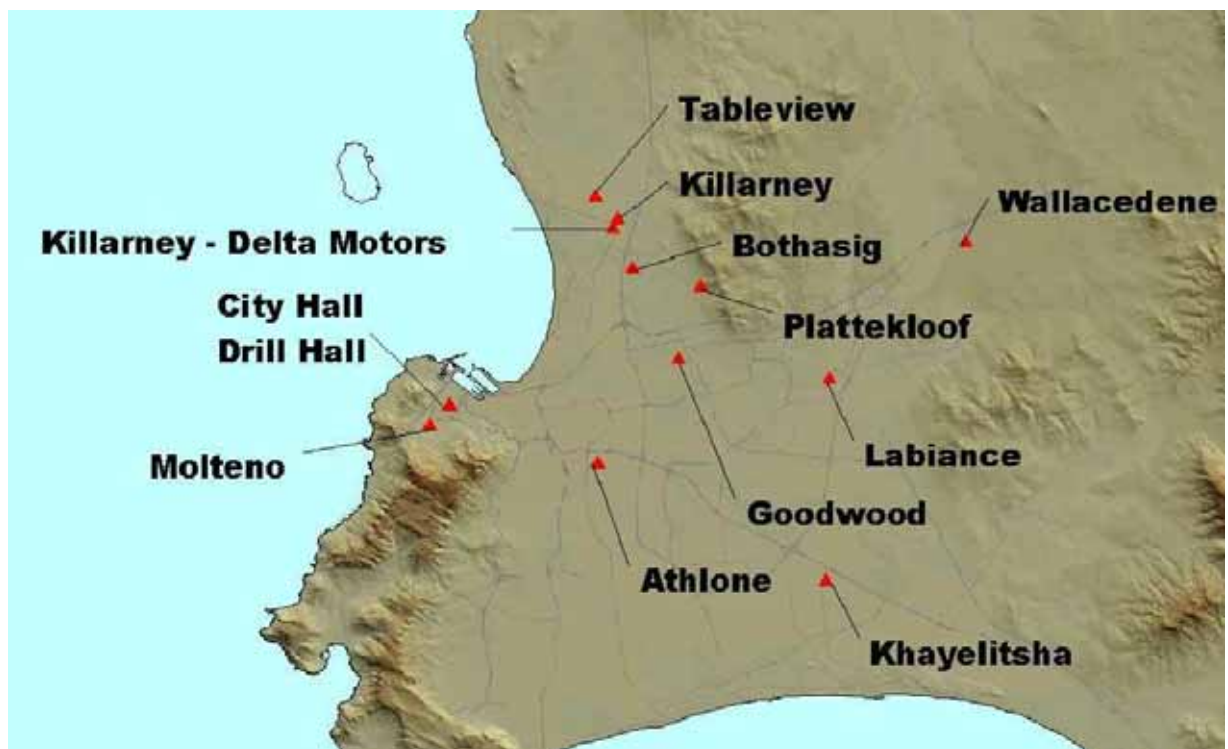
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MILNERTON AIR QUALITY PROJECT

MONTHLY REPORT

JUNE 2008

Monitoring Stations:



MILNERTON AIR QUALITY PROJECT

COMMENT FOR JUNE 2008

This report covers analyser performance and guideline compliance for the following air quality monitoring sites in the City of Cape Town.

BOTHASIG GOODWOOD TABLE VIEW KILLARNEY

The map below shows the location of the monitoring stations



Comment:

1) General

The City's State of the Environment (SOE) air pollution guidelines were exceeded on two (2) occasions during June 2008 for the MAQP areas.

There were eight (8) days on which Air Quality guidelines were exceeded during June 2008 within the Cape Metropole.

PM-10 Transgressions

THREE PM-10 episodes were recorded at Goodwood during May 2008.

DATE	KILLARNEY	GOODWOOD	TABLE VIEW
<i>18 June</i>	-	58 µg/m ³	-
<i>25 June</i>	-	95 µg/m ³	-

DATA AVAILABILITY

Table 1.

<i>SITE LOCATION</i>	<i>% Data Retrieval</i>
<u><i>Table View</i></u>	>95% for all pollutants monitored.
<u><i>Bothasiq</i></u>	>95% for all pollutants monitored.
<u><i>Goodwood</i></u>	>95% for all pollutants measured.
<u><i>Killarney</i></u>	>95% for all pollutants measured.

A) GUIDELINE TRANSGRESSIONS – ALL SITES (NCAMTG sites in bold)
Data is compared with guidelines of the DEAT, WHO and UK for compliance purposes.

DATE	POLLUTANT	SITE LOCATION	UK GUIDELINE VALUE ($\mu\text{g}/\text{m}^3$)	AVERAGING PERIOD	RECORDED VALUE ($\mu\text{g}/\text{m}^3$)	REASON
June '08						
9/6	PM10	KHAYELITSHA	50	24hr	86	1, 2
	PM10	WALLACEDENE	50	24hr	54	1, 2
10/6	PM10	CAPE TOWN	50	24hr	79	1, 7
12/6	PM10	CAPE TOWN	50	24hr	77	1, 7
17/06	PM10	KHAYELITSHA	50	24hr	51	2,6
18/06	PM10	CAPE TOWN	50	24hr	63	1,7
	PM10	GOODWOOD	50	24hr	58	1
	PM10	KHAYELITSHA	50	24hr	62	1,2
	PM10	WALLACEDENE	50	24hr	57	1,2
25/06	PM10	BELLVILLE SOUTH	50	24hr	80	1,5,7
	PM10	CAPE TOWN	50	24hr	*168	1,5,7
	PM10	GOODWOOD	50	24hr	95	1,5
	PM10	KHAYELITSHA	50	24hr	149	1,2,5
		WALLACEDENE			128	1,2,5
26/06	PM10	CAPE TOWN	50	24hr	58	1,4,7
	PM10	KHAYELITSHA	50	24hr	68	1, 2,4
30/06	PM10	CAPE TOWN	50	24hr	74	1,7
	PM10	KHAYELITSHA	50	24hr	74	1,2

Moderate **High** **Very High**
  

- | | |
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| <ol style="list-style-type: none"> 1. Inversion 2. Domestic fire 3. Nearby Industries 4. Build-up
levels. 5. Smog 6. Re-circulation 7. Local emission 8. Re-suspension | <ul style="list-style-type: none"> -Temperature inversions resulted in secondary elevated air pollution concentrations. - Household wood-fires used for heating influenced PM-10 levels. - The plume from the Industries influenced SO₂ levels at the site. - A build-up of air pollution from the previous day contributed to elevated pollution levels. - Hot and stable atmospheric conditions favourable to photochemical smog. - Re-circulation of dust resulted in elevated levels. - Emissions from local building operations. - Wind blown dust |
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* Top 10 value

MORE DETAILED INFORMATION FOLLOW IN THE EPISODES PAGES

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