

INDICATOR DATA SHEET

Indicator: Concentration of low-level ozone

Definition:

It is the ambient concentration of low-level ozone in a specified time period.

Other Definition: Low-level ozone is the prime ingredient of smog, the pollution that blankets many urban areas during summer, formed by nitrogen oxides (NOx) and volatile organic compounds (VOCs) in the presence of heat and sunlight.

Category: Environment

Theme: Air

Type: Pressure

Unit: ppb or $\mu\text{g}/\text{m}^3$

Calculation Method

Special filters that do not need external energy are exposed to external air for two weeks then collected and analyzed using spectrophotometer.

Data Needed	Source
Concentration of low-level ozone	Meteorological Services Ministry of Environment

Annual Average for the Year 2007

Comments:

Ministry of Environment
 Standard is $100 \mu\text{g}/\text{m}^3$ for a duration of 8 hours.
 (Decision 52/1, MoE 1996)

Location	Value ($\mu\text{g}/\text{m}^3$)	Location	Value ($\mu\text{g}/\text{m}^3$)
Tripoli - Muharam	30	Tripoli – Bael al Dakour	105
Tripoli – Mena Road	88	Al Mena – Al Korneesh al Bahry	105
Tripoli – Port Road	90	Al Mena – Industrial Zone	75
Tripoli – Al Tal	30	Al Bedawe – Main Road	83
Tripoli – Al Tebaneh	80	Al Bedawe - IPC	90

Source of data/year: State of the Environment and Development, Report 26. TEDO 2008

Geographic coverage: Fayhaa Municipality Union

LEDO Reference: 51

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