

Air Quality Update

Presented by Martin Doherty

20th September 2018



What are the sources that contribute to air quality



What do we measure

Pollutant	Concentration Measured As	National Limit Values	
Nitrogen Dioxide	Annual Mean	40 μg/m³	
	1-hour Mean*	200 μg/m³, to be exceeded no more than 18 times per year	
PM ₁₀	Annual Mean	40 μg/m³	
	Daily Mean	50 μg/m³, to be exceeded no more than 18 times per year	
Benzene	Annual Average	5 μg/m³	

^{*}Guidance produced in UK states that the 1-hour mean nitrogen dioxide limit value is unlikely to be exceeded where the annual mean concentration is below 60 μ g/m³

How we measure



Continuous analysers



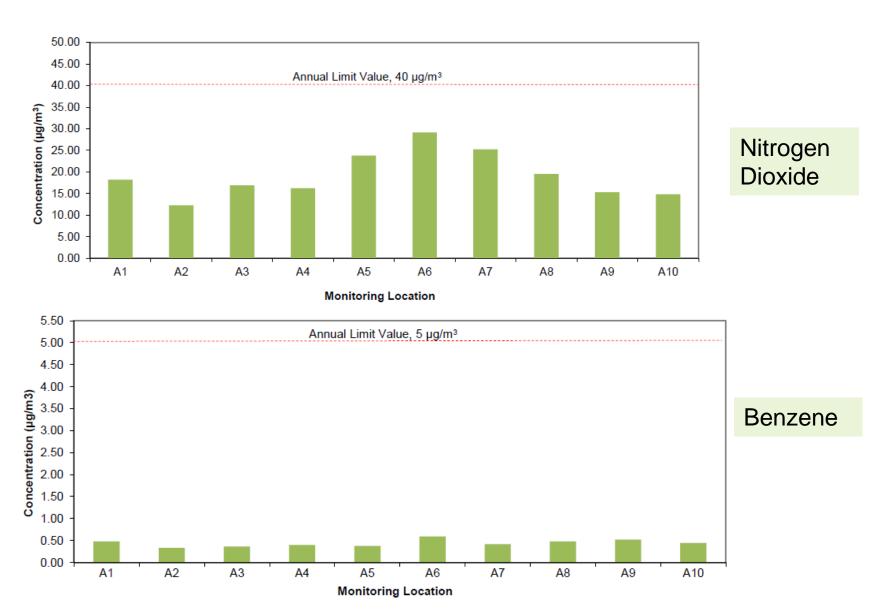


Where we measure

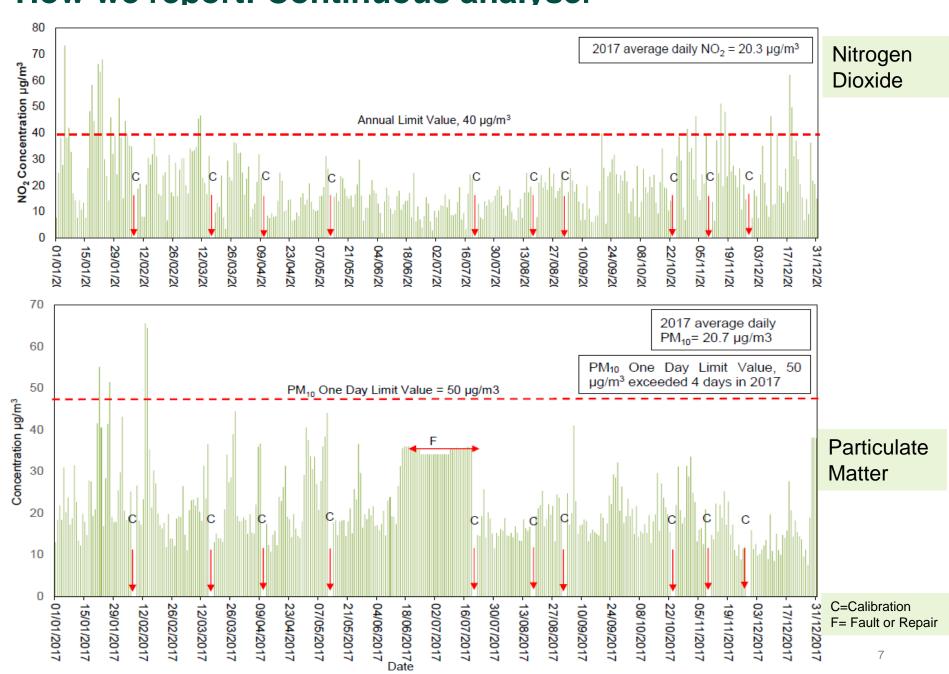
Ref	Location	Method	Parameters
On-site	Dublin Airport.	Continuous	NO ₂
		analyser ¹	PM ₁₀
A1	Forrest Little Golf Club.	Passive Tubes	
A2	Kilreesk Lane, St. Margaret's.	Passive Tubes	
А3	Ridgewood Estate West, Swords.	Passive Tubes	
A4	St. Margaret's School and Parish House.	Passive Tubes	
A5	Fire Station, Huntstown, Dublin Airport.	Passive Tubes	NO₂ Benzene
A6	Southern Boundary Fence, Dublin Airport	Passive Tubes	Delizelle
A7	Western Boundary Fence, Dublin Airport	Passive Tubes	
A8	St. Nicholas of Myra School, Malahide Road.	Passive Tubes	
A9	Naomh Mearnóg GAA Club,	Passive Tubes	
A10	Oscar Papa Site, Portmarnock.	Passive Tubes	



How we report: Diffusion tubes

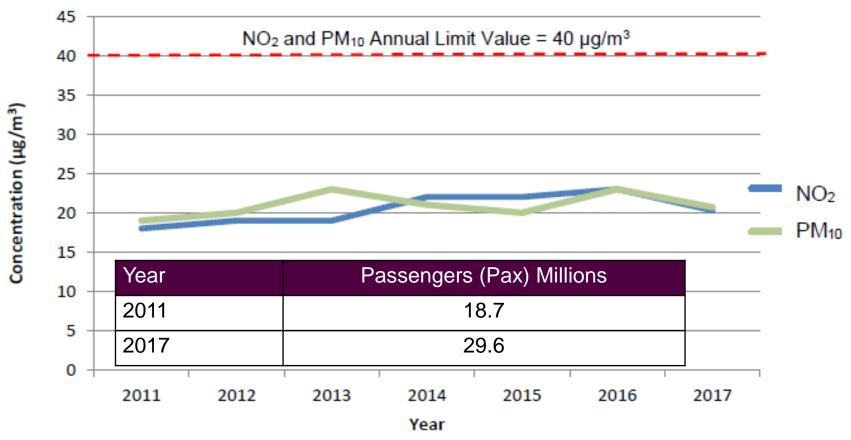


How we report: Continuous analyser



What does it mean

Annual Mean NO₂ and PM₁₀ Concentrations (DAP: 2011 - 2017)



- With 60% increase in pax numbers air quality at on-site station broadly unchanged
- Some increases in NO2 diffusion tube results, mainly close to major roads
- Primary source is road traffic although airport activity does contribute to overall emissions

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Annual and Quarterly Air Quality Reports available on

https://www.dublinairport.com/about-us/-community-affairs/air-quality-data

QUESTIONS