

Borough Council of
**King's Lynn &
West Norfolk**



Environment and Community Panel
Tuesday, 16th July, 2019 at 6.00 pm
**in the Council Chamber - Town Hall, Saturday Market
Place, King's Lynn PE30 5DQ**

**Reports marked to follow on the Agenda and/or Supplementary
Documents**

1. **Air Quality Monitoring Presentation**

Contact

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Local Air Quality Management Update 2019

Dave Robson

Borough Council of
King's Lynn &
West Norfolk



Background

- Statutory Duty, Part 4 Environment Act 1995
- Follows Statutory Guidance issued by DEFRA; TG (16)
- Annual Status Report (ASR) is completed annually
- 2 Air Quality Management Areas
- Air Quality Action Plan (AQAP)

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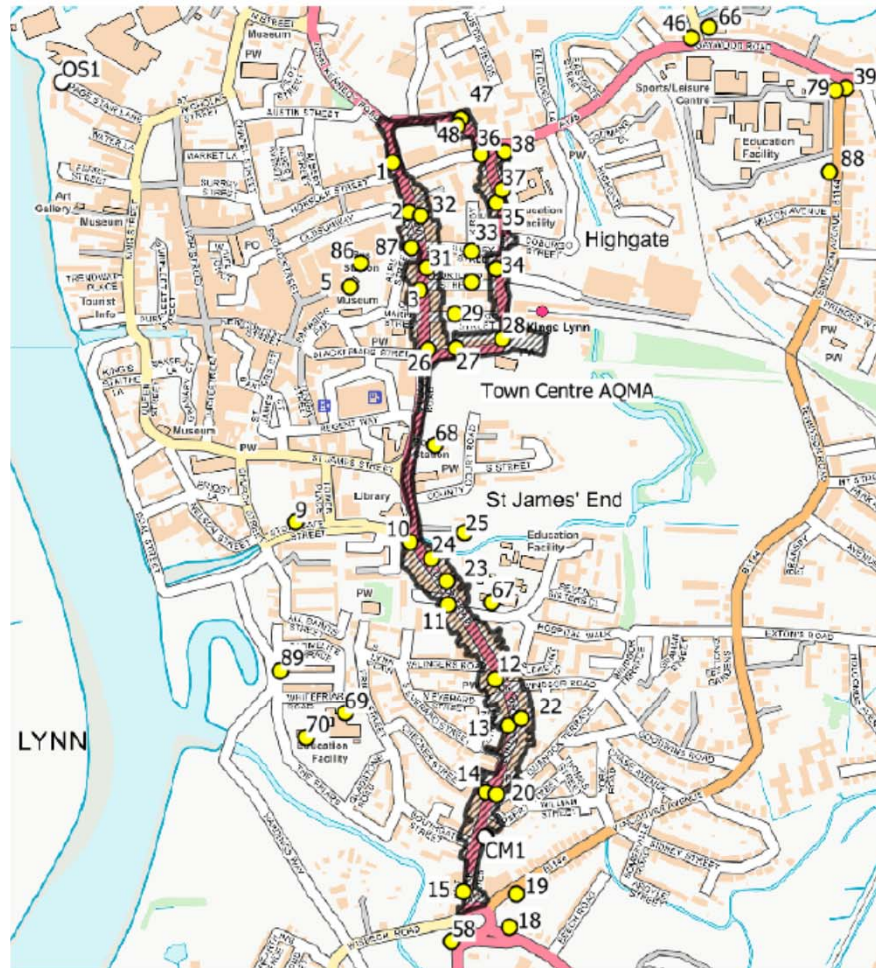
Background

- Current ASR builds on previous work carried out in Annual Status Report 2018 and previous reports
- Assess Nitrogen Dioxide (NO₂) & Fine Dust (PM₁₀)
- PM_{2.5} not assessed as monitored by DEFRA
- Each report is submitted to DEFRA for auditing and approval
- Each Report is published on BCKLWN website

Air Quality Management Areas

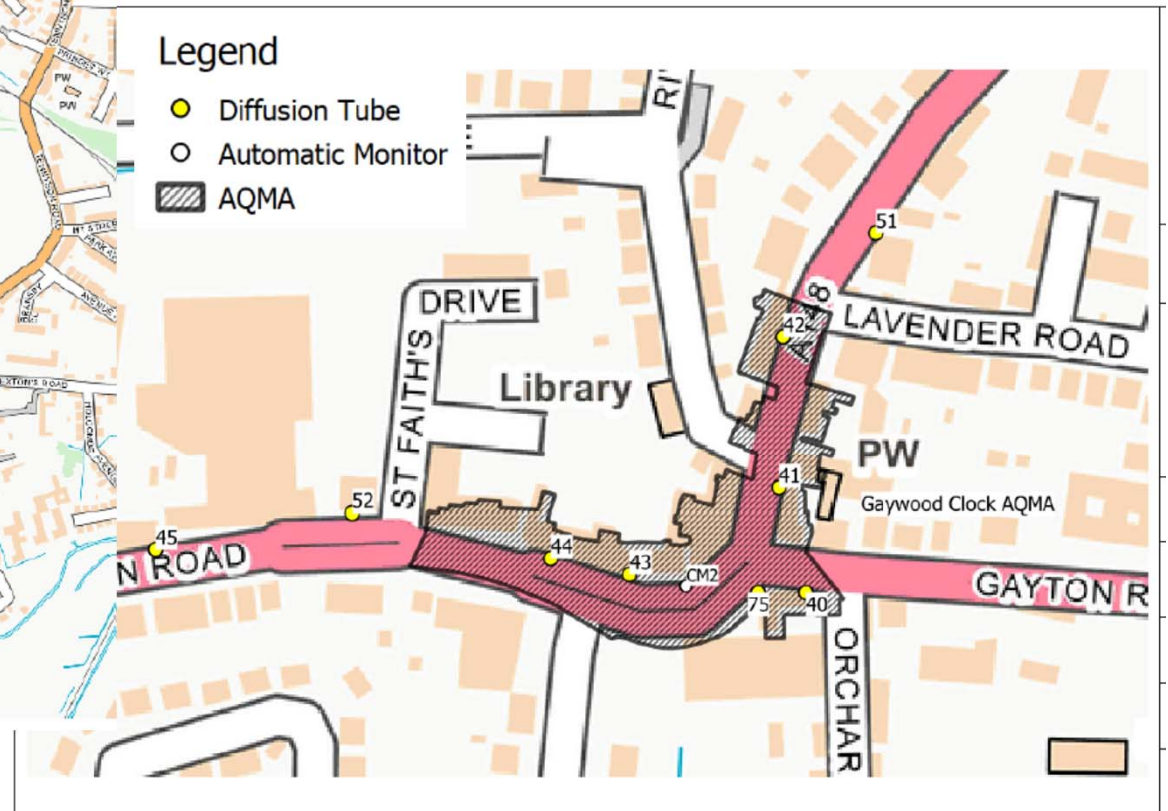
- Due to exceedances of NO₂

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Legend

- Diffusion Tube
- Automatic Monitor
- ▨ AQMA

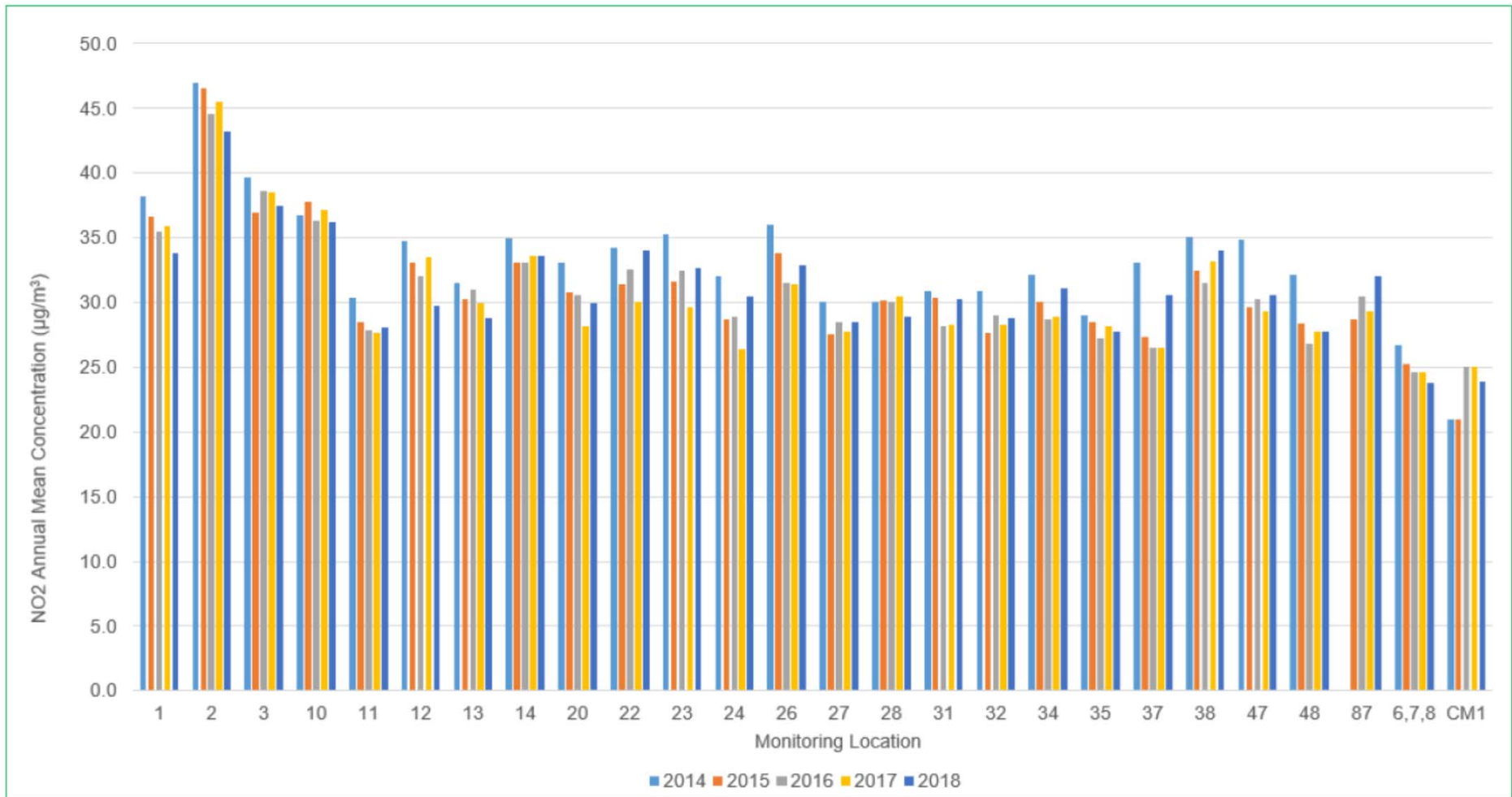


Nitrogen Dioxide Monitoring

- 1 Air Quality Monitoring Station Southgates
- 1 Air Quality Monitoring Station Gaywood Clock
- 71 Diffusion Tubes; 68 locations

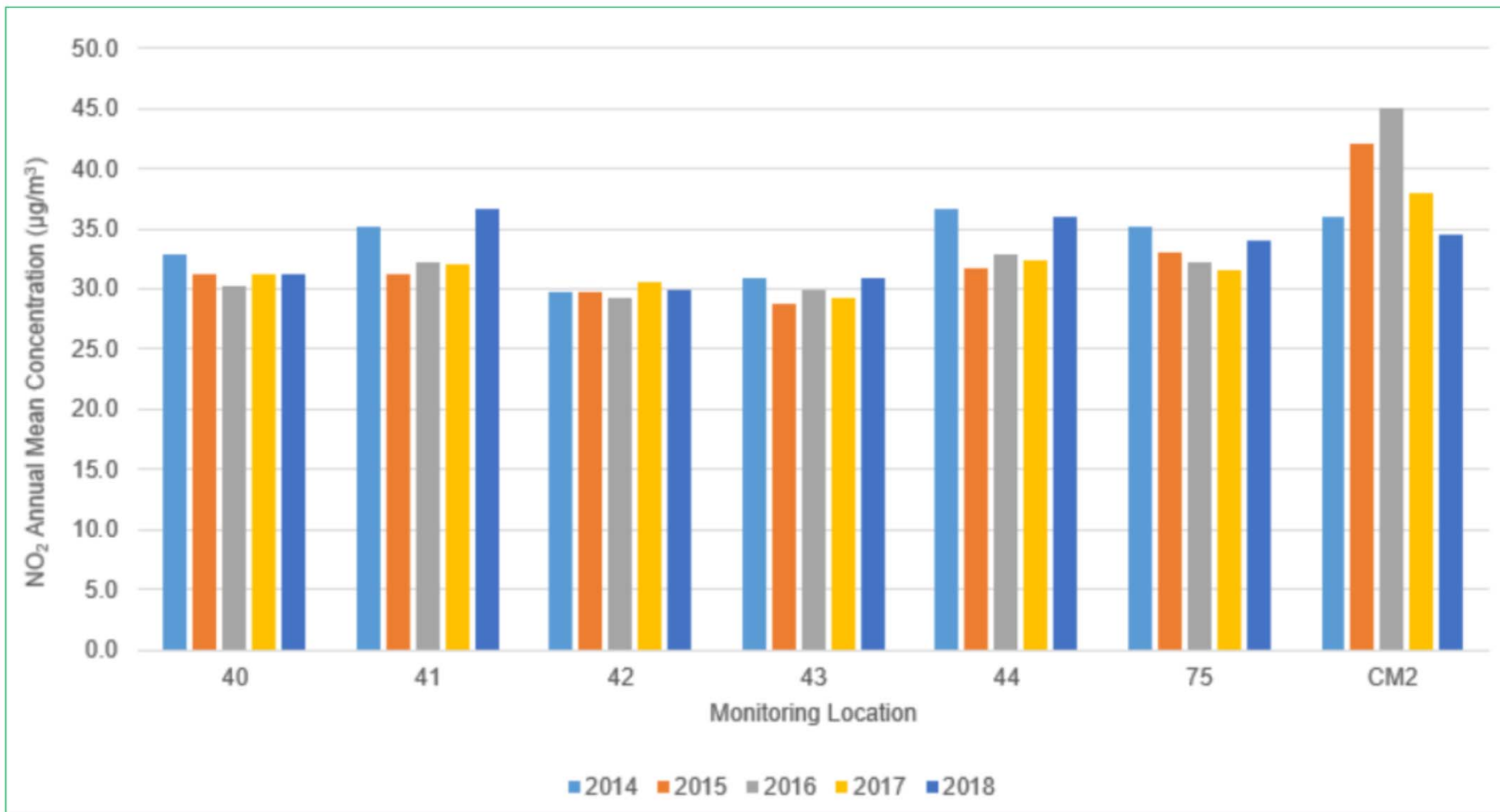


Figure A.1 – Trends in Annual Mean NO₂ Concentrations Measured at Monitoring Sites: Town Centre AQMA



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Figure A.2 – Trends in Annual Mean NO₂ Concentrations Measured at Monitoring Sites: Gaywood AQMA



Draft NO₂ Outside AQMA

- Lynnsport Way; 4 sites showing minimal impact from traffic well below annual mean limit
- Bus Station; outdoor under canopy 28.8ug/m³
- Taxi Rank; undercover 27.1ug/m³
- Hardwick Road; 18.8 ug/m³below annual mean
- Palm Paper; 8 sites, well below annual mean

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PM₁₀ Monitoring

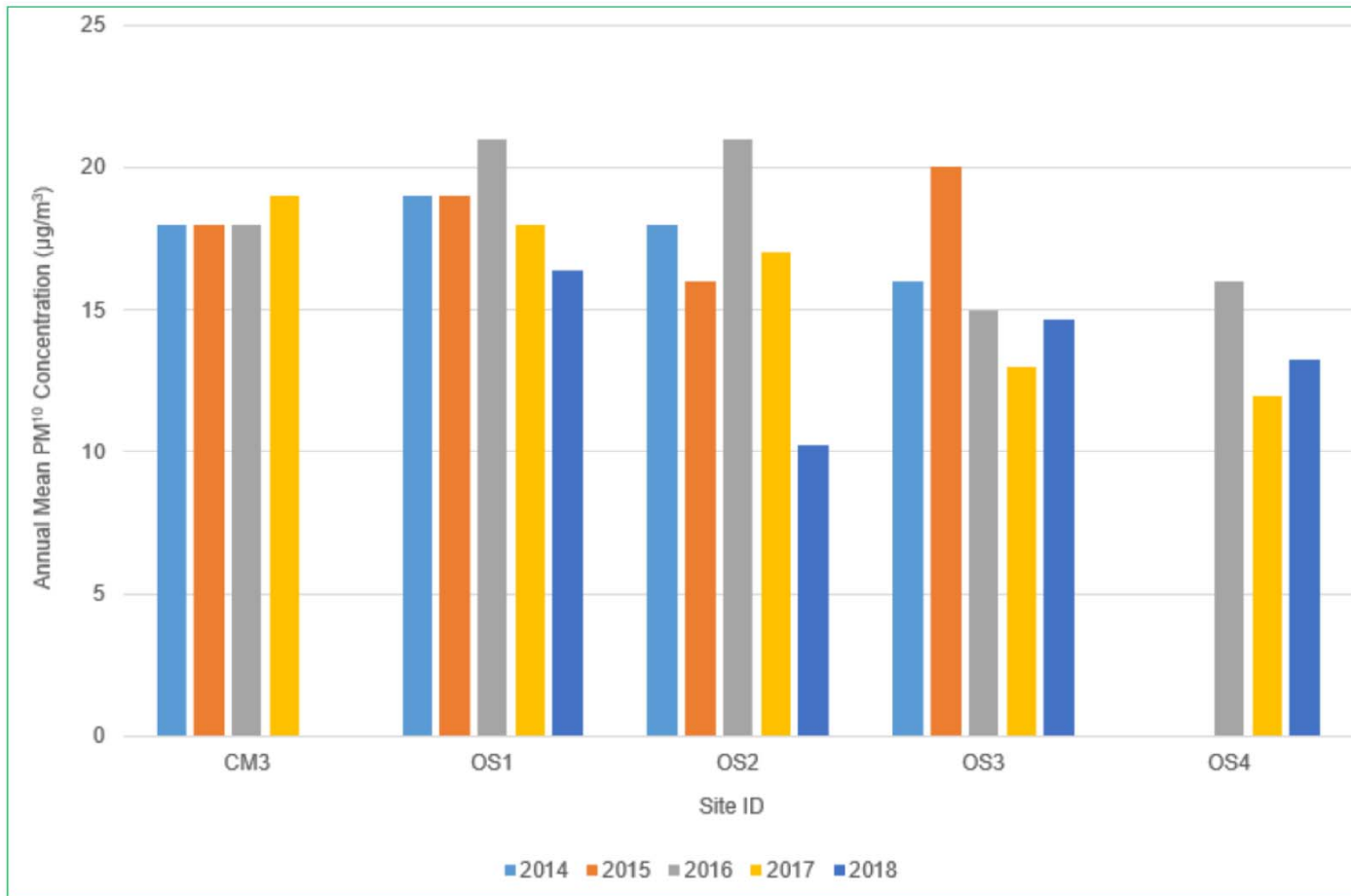
- 1 Air Quality Monitoring Station Stoke Ferry
- 4 Osiris Dust Screening Units
 - Page Stair Lane
 - Estuary Road
 - Buckingham Drive
 - Wretton Road

Draft PM₁₀ Results

- No exceedances of either the annual mean or short term (24-hour mean) PM10 objective at any site throughout King's Lynn during 2018, a trend prevalent since 2014
- Annual mean PM10 concentration has remained steady between 2014 and 2018, with an overall decrease largely observed
- In Stoke Ferry no exceedances of the PM10 annual mean concentration or 24-hour mean have been recorded

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Draft PM₁₀ Results



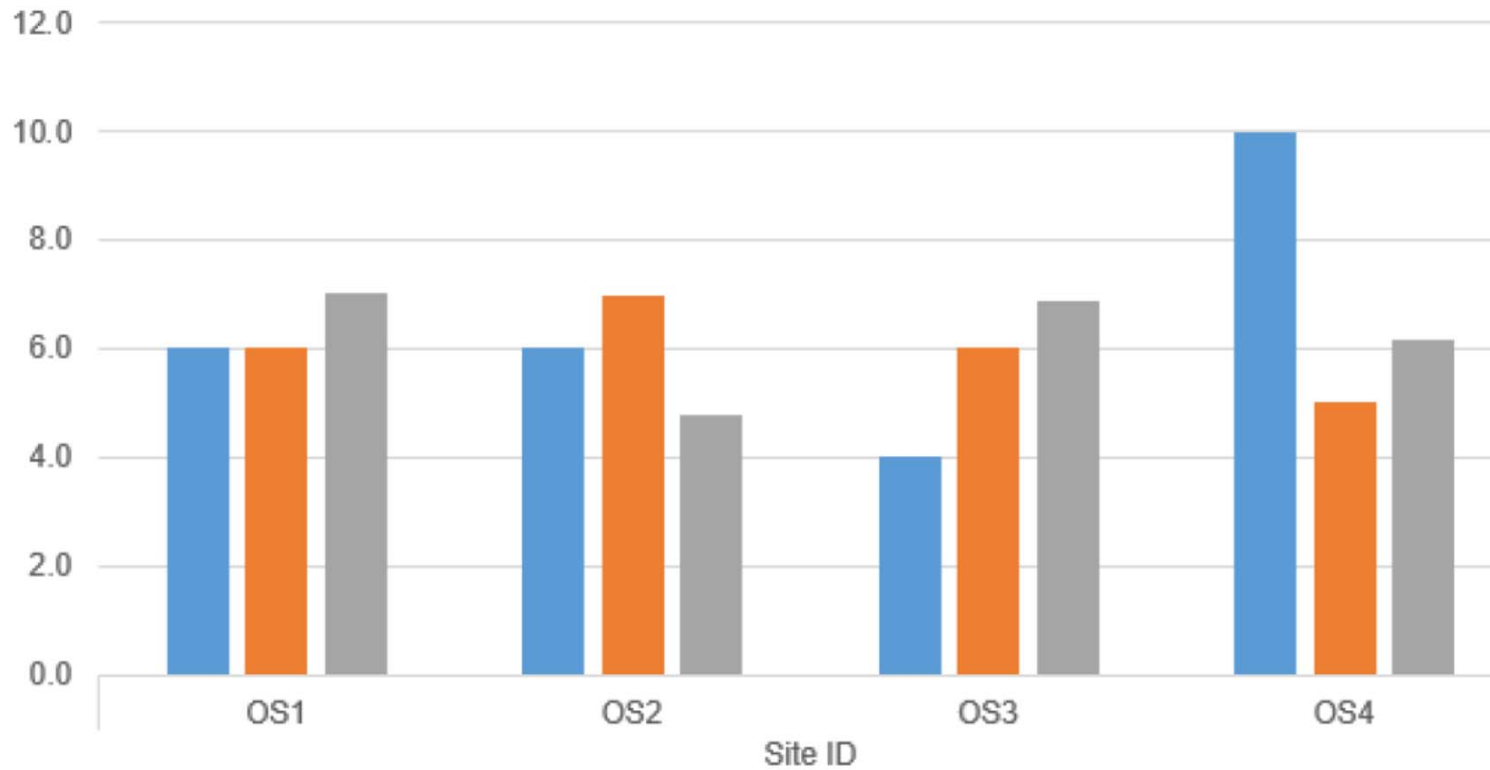
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Osiris Dust Unit

Draft PM_{2.5} Results (Results are indicative, not absolute)

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PM_{2.5} Annual Mean Objective 25ug/m³

■ 2016 ■ 2017 ■ 2018

Draft Conclusions

- No new AQMA's are required to be declared
- Only one site within Town Centre AQMA reported exceedances for the NO₂ annual mean
- Four other sites were within 10% of the NO₂ annual mean objective
- No Exceedances of NO₂ annual mean within Gaywood Clock AQMA
- 58 Planning applications considered for air quality issues
- Work continues on implementing the AQAP
- KLTS considering many transport options for King's Lynn
- AQAP to be updated following KLTS

Air Quality Information

- Website air quality reports https://www.west-norfolk.gov.uk/info/20137/air_quality/169/air_quality_information
- Website air quality data https://www.west-norfolk.gov.uk/info/20137/air_quality/171/air_pollution_levels
- Download the app



Air Quality Websites

- DEFRA DAQI website <https://uk-air.defra.gov.uk/air-pollution/daq>
- Met Office <https://www.metoffice.gov.uk/weather/guides/air-quality>
- Met Office Pollen <https://www.metoffice.gov.uk/weather/warnings-and-advice/seasonal-advice/pollen-forecast#?date=2019-07-09>

Clean Air Day 2019

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WestNorfolkBC @WestNorfolkBC · Jun 20

It's #cleanairday today -whether it's cycling, or walking to work. Leaving your car at home during the school run or turning off your engine rather than idling there's lots we can all be doing. cleanairday.org.uk



WestNorfolkBC @WestNorfolkBC · Jun 18

Give your car 🚗 a day off for #CleanAirDay on 20 June - it's one simple step we can all take to wipe out air pollution.



Burnt Right Campaign

- Reducing emissions from solid fuel burning
- New Guidance issued by DEFRA in 2018
- https://www.west-norfolk.gov.uk/info/20137/air_quality/633/burning_wood_and_coal

