



Air Quality Monitoring at King's Lynn Bus Station Taxi Rank

Non-technical Summary 2019

In response to recent further concerns from licensed hackney carriage drivers, the Borough Council have carried out some additional measurements to check air quality at the taxi rank located undercover on the ground level of the Vancouver (Sainsbury's) car park. In addition to nitrogen dioxide which is measured on a monthly basis already at the bus station and taxi rank, the council carried out monitoring for carbon monoxide. These are pollutants commonly emitted from car exhausts.

The methods used were:

Long Term Passive Dräger Tube



Monthly Diffusion Tubes



We conducted our long term monitoring for carbon monoxide on the 7th of August 2019 over an eight hour period.

Monthly diffusion tubes have been in place at the taxi rank since January 2015.

The results of the measurements are below:

Method	Pollutant	Maximum Result	Average Result	Exposure Limit	Pass/Fail
Monthly	Nitrogen dioxide	33µg/m ³ *	27.1µg/m ³	200	Pass
Eight Hour	Carbon monoxide	Not detected	Not detected	20	Pass

*This monthly figure is used to screen for the 200µg/m³ one hour level. A monthly figure of above 60µg/m³ indicates that the hourly figure may be breached.

None of the measurements taken are above the recommended limits which are set by the government to protect human health.

Monitoring of other pollutants e.g. benzene, carbon dioxide and sulphur dioxide have been undertaken previously at the taxi rank, the results of which can be viewed here: https://www.west-norfolk.gov.uk/info/20137/air_quality/171/air_pollution_levels