

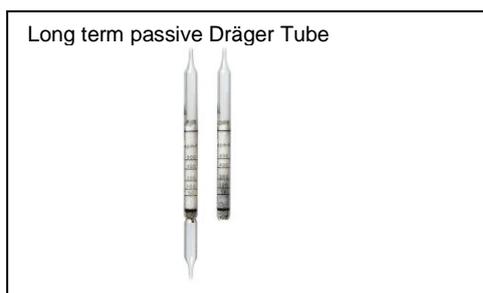


# Air Quality Monitoring at King's Lynn Bus Station Taxi Rank

## Non technical summary

The Borough Council have carried out some measurements to check air quality at the new taxi rank located undercover on the ground level of the old cattle market (Sainsbury's) car park. The pollutants measured were benzene, carbon monoxide, carbon dioxide, nitrogen dioxide and sulphur dioxide. These are pollutants commonly emitted from car exhausts.

Three methods have been used:



Monthly diffusion tubes have been in place since January 2015. The other measurements were taken between 18<sup>th</sup> August and 29<sup>th</sup> September and on 18<sup>th</sup> December 2015. On these days it was expected that the traffic in the car park might be busier.

The results of the measurements are below:

Method	Pollutant	Maximum Result	Average result	Exposure limit	Pass/fail
Monthly	Nitrogen dioxide	39*	31	200	Pass
Short term	Nitrogen dioxide	Not detected	Not detected	200	Pass
	Carbon monoxide	5	2	30	Pass
	Benzene	Not detected	Not detected	1	Pass
Eight hour	Carbon monoxide	Not detected	Not detected	30	Pass
	Carbon dioxide	667	509	5000	Pass
	Sulphur dioxide	Not detected	Not detected	125	Pass

\*This monthly figure is used to screen for the 200 ug/m<sup>3</sup> one hour level. A monthly figure of above 60ug/m<sup>3</sup> 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.