

Case Study

Client

Arriva London Ltd

Sector

Transport



Services

Occupational hygiene exposure monitoring – Diesel engine exhaust emissions (DEEEs)

Project Overview

Arriva London Ltd provides public transport services in Greater London, under contract to Transport for London, providing around 18 per cent of the capital's bus services, operating 98 routes with a fleet of over 1600 buses. The fleet includes over 400 hybrid vehicles, just under 300 New Routemaster vehicles and a number of electric buses.

In 2019, AEC we're approached by Arriva London Ltd, to undertake occupational hygiene exposure monitoring for diesel engine exhaust emissions (DEEEs) within fifteen Greater London bus depot sites and associated workshop areas. Following the exposure monitoring works, AEC were to provide guidance and advice to ensure Arriva London Ltd maintain their commitment to the health, safety and welfare of their employees, contractors, and visitors.

AEC's Approach

Safety is at the heart of Arriva's policies and they are committed to maintaining safe and healthy working environments.

Arriva already have excellent working practices in line with industry standards but to ensure complete compliance, Arriva regularly review internal practices and processes and carry out regular exposure monitoring exercises to both comply with the COSHH Regulations (2002) and to further strengthen internal practices.

AEC were appointed to undertake a programme of occupational hygiene exposure monitoring for diesel engine exhaust emissions (DEEEs) within fifteen Greater London bus depot sites and associated workshop areas and to provide relevant advice, guidance and recommendations at all stages of the programme.

AEC's senior occupational hygienist worked with Arriva's Health and Safety team to review current practices and develop a suitable specification of works in order to carry out monitoring for DEEEs exposure

During the programme AEC:

- Provided occupational hygiene consultants to undertake exposure monitoring within fifteen sites across Greater London
- Collected over 300 separate exposure monitoring samples comprising of both personal and fixed-point monitoring within the bus depots and workshop areas.
- Carried out personal monitoring on traffic controllers, during the running out of vehicles in the early morning, as well as those who had engineering responsibilities within the workshop areas.
- In order to fit in with operational hours and cause minimal disruption to staff and the site, the hygienists were on-site for 3:30am to catch the first buses of the day leaving the depot.

Once the site work was completed and the samples analysed, the findings were presented to the Arriva Health and Safety team and incorporated all monitoring data, findings, observations and guidance based on the levels observed on-site and the recommended exposure levels. Further suggestions were made regarding how to achieve best practice, and how to continue to comply with the latest legislation.

The project was undertaken to a high standard of compliance at all times ensuring all works were in line with health and safety guidelines, and incorporating best working practices. It was delivered on time, within budget and with minimal disruption to Arriva site staff or working practices.

Testimonial

“ AEC delivered our programme of works on time and to a high standard. Dave and Rory, the occupational hygienists were professional and provided us with additional expertise above and beyond our expectations. As a result of the quality of service received, we will continue to work with AEC to deliver excellent standards of safety and look forward to working with them on our 2-year noise assessment programme. ”

Simon Edwards, Arriva London HSE Manager

Contact

If you would like to discuss compliance within your workplace, please contact our team



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