

DUDLEY MBC AIR QUALITY MONITORING STATIONS

Site Name

Burnt Tree

Site address

Ernest Road, DY2 7QU

OS Grid Reference

395761 290575

Site Type

Roadside

Start Date

01 August 2010

**Monitoring Activities**

PM₁₀, monitored using a TEOM 1400ab Analyser

NO, NO₂, NO_x, monitored using an API M200 Chemiluminescent Analyser

The monitoring station is within a street box located to the south of the A461 Birmingham Road, a retail superstore and the Bunt Tree traffic junction. The station was commissioned in August 2010 to monitor the air quality impacts of constructing the new superstore and physical changes to the local road network. The station lies within 10.5m of the main carriageway, the manifold inlet is 1.5 metres above ground level and the site is approximately 170m ASL. The surrounding area includes a major road junction, commercial / retail units and residential accommodation. Data from this station is representative of typical exposure levels found at residential properties in the vicinity. There are three diffusion tubes at this station, co-located with the NO_x analyser, and this data is used to calibrate the local NO₂ diffusion tube network.



Burnt Tree AQMS



View East



View South East



View West



View North West