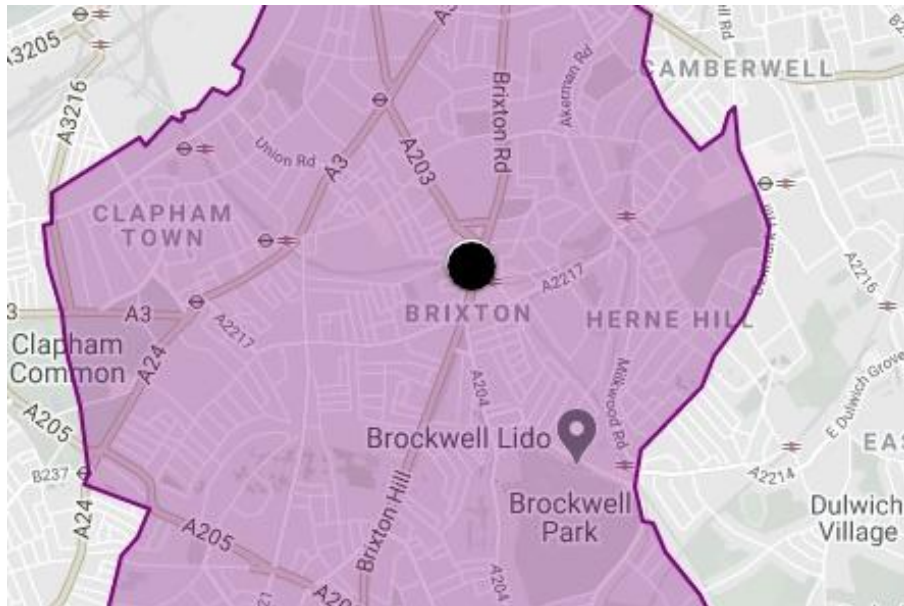


Appendix A – Background Information

1. Introduction

Lambeth has a duty to monitor air quality in its area. To do so, Lambeth has three automated long-term continuous analysers located at Brixton Road (LB4), Vauxhall Cross/Bondway Interchange (LB5) and Streatham Green (LB6).

1.1 Brixton Road (LB4)



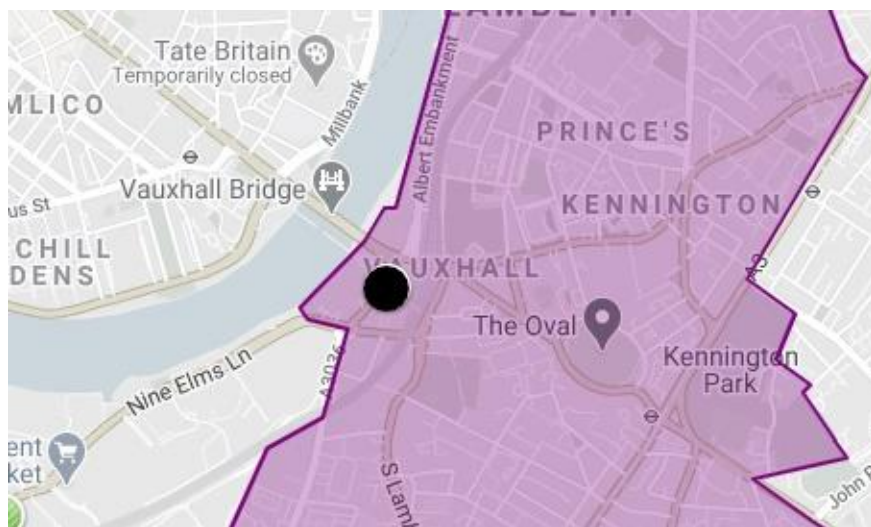
Appendix A – Background Information

This is a kerbside site installed in late 2003, which monitors NO₂ (T200 with IZS) & PM₁₀ (BAM PM10). The enclosure is a PR4 Enclosure, 1.25 x 1.1 x 0.65 metres

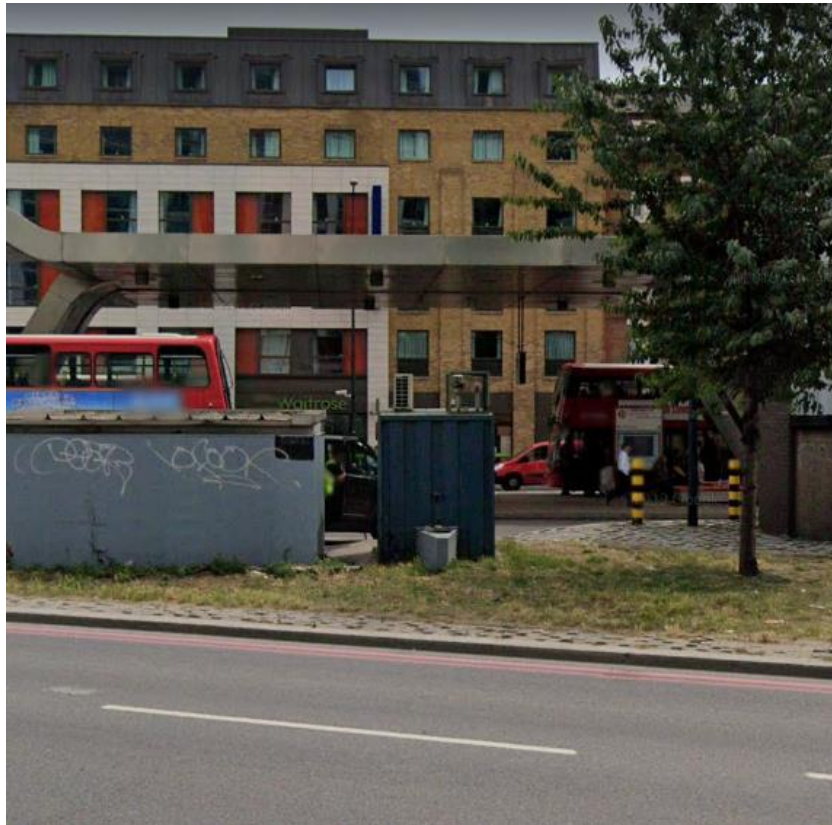
The T200 NO_x Analyser was replaced in summer 2019. A new enclosure was purchased in early 2019.

We are considering extending the monitoring at this site to include PM_{2.5}. The new analysers would need to be Defra approved, and certified to MCERTS. The Authority will seek a quote from the appointed provider after the start of its contract in April 2021.

1.2 Vauxhall Cross/Bondway Interchange (LB5)



Appendix A – Background Information



Originally a kerbside site in 2005, this site was reclassified as industrial. It monitors NO₂ (x2 T200 with IZS), PM₁₀ (BAM PM10) and SO₂ (M100A with IZS). The enclosure is a Groundhog Enclosure 3.6 X 2.3 Metres

The NO_x pump failed and was replaced with a new pump in November 2020.

The Vauxhall station will likely need to be moved as part of the Vauxhall Gyratory works in 2021 or 2022. We do not intend to remove the station completely, only to move it within a two mile radius. We do not expect an increase in price if the station is relocated within two miles of its present location. Please specify in your submission if this would not be the case.

Depending on the new location, the Authority might decide to reduce the size of the enclosure of the station, to equal the size of the enclosures of LB4 and LB6.

Appendix A – Background Information

1.3 Streatham Green (LB6)



This is an urban background site commissioned in August 2009, which monitors NO₂ (T200 with IZS) & PM₁₀ (BAM PM10). The enclosure is a Morgan Marine F-Type Enclosure 2.2 x 2 x 1.2 metres.

The enclosure of the station might need to be replaced at some point throughout the contract, as it's approaching its end of life.

Appendix A – Background Information

2. Equipment replacement

At the start of the contract, all equipment will be in fully operating condition.

None of the sites will have calibration gas cylinders. Lambeth rents these from the current contractor, and is due to return them at the end of the service contract in April 2021.

Some analysers at LB4, LB5 and LB6, as well as the enclosure of LB6 are approaching their end of life and might need to be replaced throughout the contract. The replacement is not covered by this tender. We will seek a separate competitive quote to replace ageing or obsolete equipment when needed.

For the gas analysers, we intend to continue to procure the IZS option.