



Air Quality Modelling – ABP Kingswinford

Introduction

This report presents the assessment of air quality impacts associated with the ABP Food Group facility in Kingswinford, Ham Lane, DY6 7JU. Our examination encompasses the local air quality dynamics, with a particular focus on the proposed alternations to ABP Kingswinford. The removal of six boilers on site, and the introduction of a 450kw boiler, and the adherence to the Medium Combustion Plants (MCP) directive for new boilers collectively form the focal points of our assessment. By scrutinizing these developments, we aim to provide a holistic understanding of their potential impact on the air quality landscape surround ABP Kingswinford., underlining the broader implications for both the environment and the community.

Dudley Metropolitan Borough Council – Air Quality

ABP Kingswinford is located within the Dudley Air Quality Management Area. The Dudley Borough AQMA includes the whole area covered by the Dudley Borough Boundary. 9 areas where the annual mean objective for nitrogen dioxide have been identified and these will provide the focus for the new air quality action plan.

Air quality across the Metropolitan Borough of Dudley has continued to meet national air quality objectives with the exception of NO₂. NO₂ is mainly generated from combustion sources, specifically internal combustion engines in road vehicles. Dudley Metropolitan Borough Council continues to operate three automatic NO₂ monitoring stations.

Removal of Six Boilers at ABP Kingswinford

The strategic removal of six boilers from the ABP Kingswinford site will reduce our air emissions on site. This initiative aligns with the company's environmental sustainability. The discerning removal of these boilers underscores a commitment to air quality improvement, ensuring a harmonious coexistence between industrial activities and the well-being of the local environment.

Installation of a 450kw Boiler

The company also proposes the installation of a 450kw boiler at ABP Kingswinford. Given the power capacity, this boiler falls outside the regulatory requirements of the Medium Combustion Plans



ABP Kingswinford

Directive, thereby alleviating the need for compliance requirements and air modelling. This strategic choice signifies operational efficiency for ABP Kingswinford with an upgrade in the new boiler while the removal of the six boilers onsite lowering the overall emission to air from the site.

Conclusion

Out thorough examination of the surrounding areas, coupled with the local council's assessment of the Air Quality Management Area, reveals that the site currently meets all regulatory standards, the company believes the site and proposed variation does not require a detailed Air Quality Modelling report. The removal of six boilers emerges as a positive stride, poised to significantly enhance air emissions from the site. Moreover, the installation of a 450kw boiler, not only ensures the site's operational efficiency but also presents a more environmentally friendly alternative, with lower emission compared to the phased-out boilers. This dual approach aligns with a commitment to both regulatory compliance and sustainable practices, showcasing our commitment to continuous improvement at our sites.