

1A & 1C Eynsham Drive, Abbey Wood

Air Quality Assessment - Addendum

Date: September 2018

Consultant: XCO2



ADDENDUM TO AIR QUALITY ASSESSMENT

8.863 – 1A & 1C EYNHAM DRIVE

06 September 2018 *by Lindsey Malcolm, reviewed by Marietta Gontikaki*

INTRODUCTION

This document presents a summary of the effects of the minor revisions to the proposals for 1A & 1C Eynham Drive development scheme in the London Borough of Greenwich on the previously submitted Air Quality Assessment (December 2017).

The revisions consist of the introduction of four duplex units on the ground floor of blocks A (two units) and C (two units) resulting in a small increase to the NIA of the residential part of the scheme; the total number of residential units remains the same. Full details of the changes proposed can be found in the accompanying DAS Addendum and associated Accommodation Schedule.

TOTAL BUILDING EMISSIONS

The energy calculations for the domestic part of the development have been revised to take the proposed changes to the scheme into account. In light of this change the air quality neutral assessment for building-related emissions has been updated to compare the emissions from the amended scheme CHP and boilers with benchmarked emissions based on the floor space and land-use as specified in the Air Quality Neutral Planning Support document (PSD)¹

The Building Emission Benchmarks (BEBs) and benchmarked emissions for the proposed development are presented in Table 1.

Table 1: Benchmarked Building Emissions

Land Use Class	GFA (m ²)	BEB (g NOx/m ² /annum)	Benchmarked Emissions (kg NOx/annum)
Residential (C3)	17,950	26.2	470
Pet Hospital (D1(a))	564	43.0	24.3
Flexible Commercial (assumed A1)	209	22.6	4.7
Total Benchmarked NOx Emission			499

Revised building-related emissions for the proposed development are presented in Table 2 and have been derived from the anticipated energy usage (gas) for the site and the London Atmospheric Emissions Inventory (LAEI) default NOx emission factor for domestic and commercial land-uses as specified in the PSD.

¹ Air Quality Neutral Planning Support Update, GLA 80371, April 2014
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Table 2: Development Building Emissions

Land Use Class	Energy Usage (kWh/annum)	Emission Factor (kg NOx/kWh)	Building Emissions (kg NOx/annum)
Domestic	896,120	0.0000785	70.3
Commercial	19,219	0.000194	3.7
Total Building-Related NOx Emission			74.0

The annual building NOx emission for the proposed development is below the benchmarked emission; therefore, the proposed development remains Air Quality Neutral with respect to building-related emissions.