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Chapman Ventilation Limited
15-20 Woodfield Road
Welwyn Garden City
Hertfordshire
AL7 1JQ

FTAO Tito Arowobusoye
Firstplan Ltd
Broadwall House
21 Broadwall
London
SE1 9PL

09TH May 2025

Ref: Big Mamma– St Michaels, Jacksons Row, Manchester, Rev A

Dear Tito

As requested, please find below our assessment of the potential for nuisance Odour arising from the cooking processed carried out at the above restaurant. This assessment has been carried out using Appendix 3: Risk assessment for Odour from EMAQ+ Document – "Control of odour and noise from commercial kitchen exhaust system "- 05-09-2018

Dispersion
The kitchen extract ductwork is within an internal riser of the building and will rise to the roof to discharge 1m above the roof level. We are designing the extract flow rate to achieve a velocity of 10 to 15m/s at the outlet. This criterion gives the system a good level of dispersion.
Assessment score of 5.

Proximity of Receptors
Due to the location of the building, the height of the kitchen extract outlet and the extract air velocity the nearest sensitive receptor form the outlet location is between 20 and 100 meters from the outlet location.
Assessment score of 5.

Size of Kitchen
The premises will have more than 100 covers so is therefore regarded as a Large kitchen.
Assessment score of 5

Cooking Type (Odour and grease loading)
The type of foods cooked at Big Mamma Birmingham and is Italian and has a very low grease content and odour loading, taking from the figures stated on the DEFRA document and an overall figure of the two combined to an assessment score of 4

Total Assessment Score = 19

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Based on the above, a Low to Medium of odour control will be required, and we would propose the following in accordance with the EMAQ+ guidelines for this score rating.

System Operation

The kitchen extract has been designed to achieve an extract rate of 3.7m³/s through a duct termination sized 600 x 500 with an efflux velocity at a speed of 15 meters per second at the outlet. The system will include ESP filters at first floor level prior to riser.

Maintenance
A comprehensive maintenance agreement will be agreed between the client and Chapman Ventilation.

The ductwork cleaning will be in accordance with TR19 as published by the BESA.

We hope that you find this proposal to your satisfaction, please contact us with any queries.

Yours Sincerely

Mark Noakes

Mr. Mark Noakes