

Lewis Ductwork

450-485 Rathgar Road LONDON SW9 7EP

Tel: [REDACTED] Email: [REDACTED]

16th January 2022

K Foods London Ltd
25 Leith Mansions
Granutally Road
LONDON
W9 1LG

Dear Song

ODOUR ASSESSMENT TO SUPPORT PLANNING APPLICATION OF PROPOSED DUCTWORK
RE: SITE BUN SIK 230 Camden High Street London NW1 8QS

As requested please find below our assessment of the potential for nuisance Odour arising from the cooking processed carried out at the above site. This assessment has ben carried out using Annex C: Risk assessment for Odour from DEFRA document – “Guidance on the control od Odour and Noise from Commercial Kitchen Exhaust Systems” – January 2005

Dispersion

The kitchen extract ductwork is to on rear elevation of the building and follow the roof line inside the building and discharge out of the back wall, this will then turn up 90 degrees and finish 2 meters above flat roof level with a vertical discharge cowl. 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 from the outlet location is less than 20 meters from the outlet location.

Assessment score of 10

Size of Kitchen

The premises will have more than 60-70 covers and will be regarded as a medium.

Assessment score of 3

Cooking Type (odour and grease loading)

The type of foods cooked at Bun Sik has a medium 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 = 22

Base on the above a medium to high level of odour control will be required and we would propose the following

Main Kitchen Extract – ESP, Pre filters and Carbon filters in accordance with the DEFRA guidelines for this score rating.

System Operation

The main kitchen extract has been designed to achieve an extract rate of 2.4m³/s through a duct termination sized 425x425 with an efflux velocity at a speed of 15 meters per second at the outlet.

Maintenance

A comprehensive maintenance agreement will be agreed between the client and Lewis Ductwork.

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

Mr B Lewis