

# Roehampton Gate Café, Richmond Park

## Odour Assessment Report

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### Project Number

13052

### Date

18<sup>th</sup> July 2024

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### Introduction

In line with Richmond's Validation Checklist, it is a requirement to submit an Odour Assessment Report and Scheme in line with EMAQ "Control of Noise and Odour from Commercial Kitchen Exhaust Systems: 2018" when a new or altered commercial kitchen extraction system is proposed. This report has been prepared to support a planning application made to the London Borough of Richmond upon Thames ('the Council') at Roehampton Gate Café, Richmond Park. The relevant policies are set out in the next section.

The proposals are for the demolition of the existing buildings on site and construction of a new café, public toilets and cycle hire building alongside revised site entrance, vehicular layout, new hard and soft landscaping and a pedestrian access gate on the park boundary. The key element of the proposal is the new café building, incorporating a commercial kitchen. The back of house and kitchen areas have been designed by the catering consultants to comply with current Health and Safety and Building Regulations.

### Policy Context

Policy LP10 of the Richmond Local Plan details how the Council will seek to ensure that local environmental impacts of all development proposals do not lead to detrimental effects on the health, safety and the amenity of existing and new users or occupiers of the development site, or the surrounding land. These potential impacts can include odours and fumes, inter alia. Developers should follow any guidance provided by the Council on local environmental impacts and pollution. The Policy states at (E), that the Council will seek to ensure that any potential impacts relating to odour and fumes from commercial activities are adequately mitigated by requiring the following:

1. An impact assessment where necessary;
2. The type and nature of filtration to be used;
3. The height and position of any chimney or outlet;
4. Promotion and use of new abatement techniques.

### Odour Mitigation

It is not considered that an impact assessment is required, due to the distance of the café from the nearest residential receptors.

The proposals will incorporate canopies over cooking appliances.

In addition to the standard high efficiency stainless steel baffle type grease filters, the canopies mounted over the cooking appliances will also incorporate UV (Ultra-Violet) filtration. The UV filter racks housing the UV tubes will be mounted directly behind the baffle filters in order to achieve the maximum grease removal efficiency.

In addition to removing more than 98% of the grease from the exhaust air, the UV system will also generate ozone which is highly effective at removing odours from the extract air with an efficiency of greater than 98%.

The canopy will incorporate safety devices that switch off the UV filtration in the event that a grease filter is removed or an access panel in the extract ductwork is opened. The UV will also automatically be isolated in the event of the failure of the extract fan or when the ventilation system is switched off.

The canopies will fully comply with all the requirements of the standards set out in the BESA Specification for Commercial Kitchen Ventilation: DW172-2018 and the CIBSE Guide for Energy Efficient Kitchens TM50:2021.

The outlet for the kitchen will discharge to the roof plant area which is proposed to be screened by vertical cladding up to 5.6m in height. The outlet will therefore not be visible from the ground. The location of the plant is shown on the submitted plans and it is expected that the details of the plant will be required to be submitted via condition.

## Conclusions

The proposals are for a new café building at Roehampton Gate, with a commercial kitchen, amongst other works including hard and soft landscaping improvements and a new toilet and bicycle hire building.

Adequate information has been submitted to satisfy Policy LP10 of the Richmond Local Plan with respect to mitigating potential impacts relating to odour and fumes from commercial activities. An impact assessment is not considered to be required given the distance from residential receptors. Details of the UV filtration system have been provided.