



1.0 Introduction

This addresses comments in the air quality assessment review undertaken by Waterman's dated 11th September 2015 (WIE10212-R-10-JD) on behalf of the Bloomsbury Association in relation to the Great Russell Street planning application (2015/3605/P).

2.0 Air Quality Assessment Review

The Waterman's review considered the air quality assessment to be acceptable with the exception of one issue.

Waterman's review suggested that the impact of the air exhausted through the extract vents of the ventilation system onto the services ramp, in particular its flow rate and temperature, should have been included in the Hoare Lea air quality assessment. As acknowledged by Waterman, this is not an air quality issue, however we comment below.

The velocity associated with the flow rate of the exhaust air from the hotel ventilation system will be approximately 2.5 metres per second through the louvres. These louvres will be downward facing, with the exhausted air being directed through the bike store area. This is likely to slow the rate of the air movement towards the pavement. The temperature within the areas associated with the extract air system will be controlled to around 22 degrees Celsius. The exhaust air will be in the order of 12 to 26 degrees Celsius, depending upon the status heat recovery cycle being undertaken at that time. The air being exhausted originates from the supply air to the occupied areas that has undergone the specified filtration to make it suitable for the occupants and is therefore of a higher quality than the atmosphere it is being exhausted to. Neither the velocity associated with the flow rate nor the temperature associated with the ventilation exhaust air is considered likely to result in a reduction in the amenity of pedestrians passing the service ramp.