



## **Purified Air Impact Statement – KFC Waterloooville**

**25th September 2026**

FAO the local planning/EHO authority,

Purified Air have assessed the drawings provided by the contractor. Based on the UVO system being situated near the chip fryer, we can confirm that a dwell time of over 2 seconds will be achieved, therefore enabling the UVO system to work effectively.

Please see the calculations below to prove this:

Air velocity = 8.93m/s

To achieve a 0.2s dwell time, 8.93m/s must be times by 2 (seconds) = 17.86m

For the dwell time to exceed 2s, this means that the UVO must be positioned at least 17.86m away from the discharge point.

I can confirm that the UVO will be positioned at least 18m away from the discharge meaning that the 2s dwell time can be achieved.

Purified also confirm that the system is fully EMAQ compliant with the use of both ESP and UVO technology present and therefore will provide a very high level of odour control.

Kind regards,

Emrys Hughes



**We also supply CPD seminars, free of charge, for Odour and Virus Control, please contact.**

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EXPERTS**



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