

4.0 DEFRA Risk Assessment

A site survey was carried out on 14th September 2021, and all items on the DEFRA risk assessment form were investigated and assessed.

Pizza Oven Extract

Dispersion will be vertical, 1.0m above roof eaves, at over 15m/s so was scored **5**

Proximity of Receptors was assessed to be between less than 20m and receptors are both residential and commercial , it was subsequently scored **10**

Size of Kitchen falls into the small take-away bracket, less than 30 covers for indoor eating, and scored **1**

Cooking type is pizza etc, so was scored **1**

Total Score is **17** which falls into the 'low level' of odour control, and as the exhaust is vertical and high velocity, no odour control equipment is deemed necessary

Main Kitchen Extract

Dispersion will be low level, into rear access road, so was scored **20**

Proximity of Receptors was assessed to be between less than 20m and receptors are both residential and commercial , it was subsequently scored **10**

Size of Kitchen falls into the small take-away bracket, less than 30 covers for indoor eating, and scored **1**

Cooking type is pizza etc, so was scored **1**

Total Score is **32** which falls into the 'high level' of odour control, so grease filters in the kitchen canopy, double pass ESP modules to remove smoke/heavy particulates, and a carbon filter module to remove residual odours is required.

SWAN

38 Stanway Road
Whitefield
MANCHESTER
M45 8FX

DEFRA Risk Assessment

Project No:- C661

Project Name:- LUISA'S CUCCINA

Site Address:- 45 CHURCH STREET WEST, RADCLIFFE M26 2SP

Date:- 14-9-21

MAIN KITCHEN EXTRACT

32

Impact Risk	Odour Control Requirement	Significance Score*
Low to Medium	Low level odour control	Less than 20
High	High level odour control	20 to 35
Very high	Very high level odour control	more than 35

based on the sum of contributions from dispersion, proximity of receptors, size of kitchen and cooking type:

Criteria	Score	Score	Details
Dispersion	Very poor	20	Low level discharge, discharge into courtyard or restriction on stack.
	Poor	15	Not low level but below eaves, or discharge at below 10 m/s.
	Moderate	10	Discharging 1m above eaves at 10-15 m/s.
	Good	5	Discharging 1m above ridge at 15 m/s.
Proximity of receptors	Close	10	Closest sensitive receptor less than 20m from kitchen discharge.
	Medium	5	Closest sensitive receptor between 20 and 100m from kitchen discharge.
	Far	1	Closest sensitive receptor more than 100m from kitchen discharge.
Size of kitchen	Large	5	More than 100 covers or large sized take away.
	Medium	3	Between 30 and 100 covers or medium sized take away.
	Small	1	Less than 30 covers or small take away.
Cooking type (odour and grease loading)	Very high	10	Pub (high level of fried food), fried chicken, burgers or fish & chips.
	High	7	Kebab, Vietnamese, Thai or Indian.
	Medium	4	Cantonese, Japanese or Chinese.
	Low	1	Most pubs, Italian, French, Pizza or steakhouse.

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