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ODOUR, FUME AND NOISE IMPACT ASSESSMENT

Proposal: Retention of Existing Extractor Flue
236 Balgores Lane, Romford, RM2 6BS, England

ODOUR & FUME IMPACT ASSESSMENT

1. Nature of Cooking Operations

Cooking activities include:

- Grilling;
- Shallow frying;
- Heated food preparation.

Cooking is intermittent and restricted to approved hours.

2. Existing Extraction System

The system comprises:

- Stainless steel canopy with baffle grease filters;
- Mechanical extract fan;
- Sealed metal ductwork;
- Vertical rear flue.

3. Odour Risk Assessment Methodology

Assessment is based on Defra / EMAQ guidance, considering:

- Cooking intensity;
- Proximity of sensitive receptors;
- Urban context.

The site is categorised as **medium–high risk**, requiring enhanced mitigation.

4. Odour Mitigation Measures (No Flue Alteration)

Mitigation is achieved through **internal controls only**:

- High-efficiency grease filtration;
- Activated carbon filtration within the duct system;
- Airtight joints to prevent leakage;
- Vertical discharge above sensitive receptors.

5. Maintenance & Monitoring

- Grease filters cleaned weekly;
- Carbon filters replaced every 6 months;

- Annual duct cleaning;
- Maintenance log retained on site.

6. Conclusion

With mitigation in place, odour emissions will not result in unacceptable nuisance.

NOISE & ACOUSTIC IMPACT ASSESSMENT

1. Noise Sources

- Extract fan operation;
- Internal activity;
- Customer arrival/departure.

2. Mitigation

- Inline acoustic silencer;
- Anti-vibration mounts;
- Controlled fan speed.

3. Operational Controls

- No late-night operation;
- No external speakers;
- Deliveries restricted.

4. Conclusion

Noise impacts will remain within acceptable limits.