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1 Introduction

1.1 Background

Janan Meat Ltd is applying for a Variation to Extend the Boundary of its Environmental Permit.

The Original H1 Assessment, doc 123-R02-F1 remains unchanged. This H1 Assessment deals solely with the premises which will be encompassed by the boundary extension, namely Suffolk House.

Doc 123-R02-F1 is supplied alongside this document and is referenced within JML-PV-01 Installation Information.

1.2 General Approach

The Approach to evaluating and reporting potential risks and impacts follows the EA Guidance – ‘H1 Overview Document’ and addresses the following possible impacts:

- Amenity (litter/Vermin)
- Odour
- Noise
- Fugitive Releases
- Surface Water
- Ground Water
- Air
- Waste Produced
- Global Warming Potential (GWP)/Photochemical Ozone Creation Potential (POP).

1.3 Detail of Approach

The evaluation referenced in the H1 Guidance is addressed by carrying out the impact and risk assessments for both normal operations and for reasonably foreseeable accident and abnormal conditions. The following definitions are used for assessing possible impacts under the different scenarios or operating conditions.

Normal (N) Routine activity on site


Abnormal (A) Planned, or reasonably foreseeable deviations from normal operating conditions

Emergency (E) Unplanned deviations from normal operating conditions (accident Situations)

The initial step is a screening assessment to screen out the processes and ancillary operations that, even under the reasonably foreseeable abnormal and emergency conditions identified, would be incapable of causing a significant impact of the types listed in the EA H1 Guidance Document. Those aspects that do not screen out fall into two categories for more detailed evaluation:

- Emissions under normal operations for which a detailed assessment of environmental impacts is required.

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- Normal, Abnormal and Accident Scenarios for which there is a need to carry out a detailed environmental risk assessment.

1.4 Report Format

This Environmental Risk Assessment is set out as follows.

- Introduction
- Screening Assessment
- Environmental Risk Assessments
- Environmental Impact Evaluations
- Conclusions & Improvements

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2 Screening Assessment

2.1 Methodology

For the initial screening assessment, the potential risks and impacts of normal operations and abnormal/accident situations have been considered as two separate scenarios (see sections 2.2.1 and 2.2.2 below, respectively). The Tables 2.2.1 and 2.2.2 below set out the initial screening assessment to determine which combinations of operations and potential impacts warrant further assessment.

Where it is considered that there is minimal or no potential for an impact to occur, a brief explanation has been provided for each impact criterion and activity. For those potential risks and impacts that cannot immediately be screened out and which, therefore, require further evaluation:

- 'RA' is placed in the relevant box where further evaluation for assessing environmental risk has been undertaken in section 4 of this report, for normal operations, abnormal operations or accidental situations;
- 'DA' is placed in the relevant box where more detailed evaluation of emissions is required and has been undertaken in section 5 of this report.

2.2 Screening Assessment Tables

2.2.1 Normal Operations Suffolk House

2.2.1 Screening Assessment – Normal Operations Suffolk House.								
Impact	Activity							
	Delivery, site and despatch vehicles	Production	Ancillary production materials and chemical storage	Drainage and effluent control	Waste and ABP storage	Waste and ABP transfer and collection	Boiler and Hot water	Refrigeration
Amenity (litter/vermin)	HACCP system in place to control pests. No other plausible amenity issues	HACCP system in place to control pests. Internal and contained operations	No vermin risk from ancillary materials. Negligible litter risk from storage containers. Stored indoors	HACCP system in place to control pests. No other amenity plausible amenity issues.	Designated waste storage area at. No ABP stored at Suffolk House all moved to Original Site daily. Insignificant additional risk of litter nuisance,	ABP removed to Original site daily. Waste removed by licenced Contractor in specialised vehicles minimising potential litter	No other plausible amenity pest/litter issues	No other plausible amenity pest/litter issues



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2.2.1 Screening Assessment – Normal Operations Suffolk House.

Impact	Activity							
	Delivery, site and despatch vehicles	Production	Ancillary production materials and chemical storage	Drainage and effluent control	Waste and ABP storage	Waste and ABP transfer and collection	Boiler and Hot water	Refrigeration
Amenity (litter/vermin) cont					little potential waste to attract pests. HACCP system in place to control pests.			
Odour	RA	RA	Negligible potential for ancillary production materials or chemicals used on site to lead to odour emissions	RA	RA	RA	No plausible odour issues due to nature of the process	No plausible odour issues due to nature of the process
Noise	RA	RA	Storage is internal -no noise	RA	Storage is activity -no noise	RA	RA	RA
Fugitive Air Releases	No potential for relevant fugitive releases	No potential for relevant fugitive releases	No potential for relevant fugitive releases	No potential for relevant fugitive releases	No potential for relevant fugitive releases	No potential for relevant fugitive releases	No potential for relevant fugitive releases	No potential for relevant fugitive releases
Surface Water	RA	RA	RA	RA	RA	RA	Internal contained system. No potential for release to surface water under normal operations	Internal contained system. No potential for release to surface water under normal operations
Ground Water	No waste Production	DA	No waste Production	DA	RA/DA	RA/DA	No waste Production	No waste Production

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2.2.1 Screening Assessment – Normal Operations Suffolk House.

Impact	Activity							
	Delivery, site and despatch vehicles	Production	Ancillary production materials and chemical storage	Drainage and effluent control	Waste and ABP storage	Waste and ABP transfer and collection	Boiler and Hot water	Refrigeration
Air	No point source emissions except from Vehicles	No point source emissions	No point source emissions	No point source emissions	No point source emissions	No point source emissions	2X 57.9 Kw high efficiency Gas boilers installed. Each boiler is around 4% of the IMW limit at which the medium combustion plant directive would apply controls. Also <1% of the 20MW value in H1 annex F of 123-R02-F1 for which impacts are considered not significant. No further assessment of boiler impacts considered necessary.	No point source emissions
Waste Production	No Waste production	DA	No Waste production	DA	RA/DA	RA/DA	No Waste production	No Waste production
GWP/POP	No point source or fugitive emissions which site have control over	RA	No point source emissions or fugitive emissions	No point source emissions or fugitive emissions that will release GWP/POP	No point source emissions or fugitive emissions	No point source emissions or fugitive emissions	DA	No point source emissions or fugitive emissions that will release GWP/POP

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2.2.2 Abnormal Operations/Accident Situations

2.2.2 Screening Assessment – Abnormal Operations / Emergency (Accident) Situations Suffolk House.								
Impact	Activity							
	Delivery, site and despatch vehicles	Production	Ancillary production materials and chemical storage	Drainage and effluent control	Waste and ABP storage	Waste and ABP transfer and collection	Boiler and Hot water	Refrigeration
Amenity (litter/vermin)	HACCP system in place to control pests. No other plausible amenity issues	HACCP system in place to control pests. No other plausible amenity issues	HACCP system in place to control pests. No other plausible amenity issues	HACCP system in place to control pests. No other amenity plausible amenity issues.	Designated waste storage area. No ABP stored at Suffolk House all moved to Original Site daily. Insignificant additional risk of litter nuisance,	ABP removed to Original site daily. Waste removed by licenced Contractor in specialised vehicles minimising potential litter	No plausible amenity issues	No plausible amenity issues
Odour	RA	RA	Negligible potential for ancillary production materials or chemicals used on site to lead to odour emissions	RA	RA	RA	No plausible odour issues	No plausible odour issues
Noise	RA	RA	Storage is internal -no noise	RA	Storage is activity -no noise	RA	RA	RA
Fugitive Air Releases	No potential for relevant fugitive releases	No potential for relevant fugitive releases	No potential for relevant fugitive releases	No potential for relevant fugitive releases	No potential for relevant fugitive releases	No potential for relevant fugitive releases	No potential for relevant fugitive releases	No potential for relevant fugitive releases
Surface Water	RA	Internal and contained operations not linked to surface water	RA	RA	RA	RA	Internal contained system.	Internal contained system.
Ground Water	RA	RA	RA	DA	RA	RA	Internal contained system.	Internal contained system.

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2.2.2 Screening Assessment – Abnormal Operations / Emergency (Accident) Situations Suffolk House.

Impact	Activity							
	Delivery, site and despatch vehicles	Production	Ancillary production materials and chemical storage	Drainage and effluent control	Waste and ABP storage	Waste and ABP transfer and collection	Boiler and Hot water	Refrigeration
Air	No point source emissions except from Vehicles	No point source emissions	No point source emissions	No point source emissions	No point source emissions	No point source emissions	RA	No point source emissions
Waste Production	RA	RA	RA	RA	Minimal potential for further waste generation	Minimal potential for further waste generation	No Waste production	No Waste production
GWP/POP	No point source or fugitive emissions	No point source or fugitive emissions	No change in ancillary production materials	No point source emissions or fugitive emissions	No point source emissions or fugitive emissions	No point source emissions or fugitive emissions	No potential for further GWP/POP releases than those of normal operations	No potential release GWP/POP

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