

BERNARD MATTHEWS FOODS (DERBY) LIMITED

BESPOKE ENVIRONMENTAL PERMIT APPLICATION

Environmental Risk Assessment

Prepared for: Bernard Matthews Foods (Derby)
Limited

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1.0 INTRODUCTION

1.1 Report Context

Bernard Matthews Foods (Derby) Limited (BM) has retained SLR Consulting Limited (SLR) to prepare a Bespoke Environmental Permit (EP) Application for a food production installation located at Shaftsbury Street, Derby, DE23 8YH, under the Environmental Permitting (England and Wales) Regulations 2016.

1.2 Methodology

This Environmental Risk Assessment (ERA) has been prepared in support of the EP application and has been undertaken in accordance with the Environment Agency (EA) guidance *Risk assessments for your environmental permit*¹ (2016). It is a simple assessment of the risks to the environment and human health from accidents, noise and fugitive emissions that may be associated with the proposed operations at the Site. The aim of the assessment is to identify any significant risks and demonstrate that the risk of pollution or harm will be acceptable by taking the appropriate measures to manage these risks.

This ERA uses the following approach for identifying and assessing the risks from the food production installation:

- | | |
|-------------------|--|
| Step One | Identify and consider risks for your Site and the sources of the risks; |
| Step Two | Identify the receptors at risk from the Site; |
| Step Three | Identify the possible pathways from the sources of the risks to the receptors; |
| Step Four | Assess the risks relevant to your specific activity and check they are acceptable and can be screened out; |
| Step Five | State what you will do to control risks if they are too high; and |
| Step Six | Submit your risk assessment as part of your EP application. |

Section 2 of this document is a screening step to identify the receptors at risk as part of this assessment.

Section 3 identifies people or parts of the environment that could be harmed (at potentially significant risk) by the activity.

The guidance¹ requires all receptors that are near the Site and could reasonably be affected by the proposed activities to be identified and considered as part of the ERA. Therefore, for the purpose of this report:

- a 10km radius has been adopted in reviewing potentially sensitive receptors of cultural and ecological importance with the exception of a 2km radius for Sites of Scientific Interest (SSSI); and
- a radius of 500m from the proposed permit boundary has been adopted for all other potentially sensitive receptors (for example, residential, commercial, industrial, agricultural and surface water receptors).

Section 4 of this document presents the assessment and demonstrates that any risks of pollution or harm will be mitigated to manage the risk.

¹ <https://www.gov.uk/guidance/risk-assessments-for-your-environmental-permit> accessed May 2021

1.3 Site Operations

The site processes whole poultry carcasses and portions delivered to site from other parent company premises (2 Sisters Food Group) and processes these into two distinct product streams across 16 process lines:

- Ready to Eat (5); and
- Ready to Cook (11).

As the operations involves cooking and the use of marinades/rubs, the operation is classed as a listed activity under the EPR. The site utilises onsite combustion equipment to power all on site activities and has a discharge consent with the local sewerage undertaker for all process effluents.

Site production now exceeds 75,000 tonnes per annum (TPA). There are a total of 3 boilers and 2 thermal fluid heaters in place at the Site (serving the processing operations at the site), fired on natural gas, with a combined thermal input of 11.3MWth. As the combustion plant is 'existing' with an aggregated thermal input of more than 1MW, they are classed as Medium Combustion Plant (MCP) under Section 25A of the EP Regs.

2.0 Identifying the Risks

Step 2 is a screening step to identify the potential risks to the environment from the proposed development. The EA Guidance identifies areas that the EA considers would likely require assessment for most sites as follows:

- Any discharge;
- Accidents;
- Odour;
- Noise and vibration;
- Uncontrolled or unintended emissions;
- Visible emissions; and
- Release of bioaerosols.

Each boiler discharges to air via an exhaust stack protruding through the roof of the building, discharging at a height of between 12m and 15m above ground level. Therefore, an Air Emissions Risk Assessment (AERA) has been devised and is included as section 7 of this EP application. The plant serves the food preparation and cooking operations at the Site and therefore the period of operation of the plant is highly variable. Therefore, in order to represent a conservative assessment, it has been considered that all combustion plant would be in continuous operation at maximum capacity. The AERA concludes no short or long term impact to human health and 'no significant pollution' to ecological receptors.

An Odour Management Plan has been devised for the site by BM and included as section 6 of this EP application due to the nature of products handled on site.

Therefore, only accidents, noise and vibration, and uncontrolled or unintended emissions (dust, mud, litter and pests) are considered to be applicable for assessment in relation to the proposed development.

3.0 SITE SETTING AND RECEPTORS

Step Two identifies people or parts of the environment that could be harmed (at potentially significant risk) by the activity. This section identifies the Site setting and potentially sensitive receptors in the vicinity of the Site.

3.1 Site Setting

The Site is centred on National Grid Reference SK 35717 33826 on 37 Shaftesbury Street, Derby, DE23 8YH, and lies approximately 2.4km southeast of Derby City Centre. The site is accessed via Shaftesbury Street South, which connects to the A514 (Osmaston Road) further to the north.

The Site location is illustrated on Drawing 001. The EP boundary is shown on Drawing 002, the site layout is shown on Drawing 003 and the Environmental Site Settings on Drawing 004 and 005.

The Site is located in Sir Francis Lay Industrial Estate and is surrounded by predominantly commercial/industrial premises. Residential properties are located in close proximity to the site in all directions. To the north is a place of worship (Gurdwara), to the east is a railway line and the Sir Francis Lay industrial estate, to the south is a railway line and open ground and to the west are residential properties.

A summary of the immediate surrounding land use is provided in Table 1.

Table 1 Surrounding Land Use

| Direction | Land Use |
|-----------|---|
| North | A place of worship (Gurdwara) is adjacent to the north of the site with residential properties beyond. |
| East | Adjacent to the east of the site is a railway line, Sir Francis Lay Industrial Estate and residential properties beyond. |
| South | Adjacent to the south of the site is a railway line, Sir Francis Lay Industrial Estate and residential properties beyond. |
| West | Adjacent to the west of the site and beyond is residential properties. |

The immediate surrounding land use is described in detail below.

3.1.1 Commercial and Industrial

The site is located within Sir Francis Lay Industrial Estate with commercial and industrial premises located to the northeast and southwest of the site. Derby Plumbing Supplies, Derby Auto Services and 24K Smoke are adjacent to the site.

3.1.2 Local Transport Network

The site is located within Sir Francis Lay Industrial Estate and is therefore connected to the industrial estate network. The site is access via Shaftesbury street South. Adjacent to the south of the site is a railway line with Pear Tree station located approximately 245m from the sites EP boundary.

The site is in close proximity to the local residential road network and approximately 300m north of Osmaston Park Road (A5111).

3.1.3 Educational

To the north of the site, approximately 100m from the sites EP boundary is Pear Tree Infant School and Pear Tree Community Junior School.

3.1.4 Residential

Residential properties are located along the site boundary to the west and southwest. Further residential properties are located within 100m to the north along Coronation street and within 150m to the east along Elton Road.

3.1.5 Recreational

There is two recreational facilities within 500m from the sites EP boundary. the closest is located to the southwest of the site, approximately 90m is Sherwood Recreation ground.

3.1.6 Religious settings

A place of worship (Gurdwara) is located adjacent to the north of the site.

3.2 Geology, Hydrogeology and Hydrology

3.2.1 Geology

A search on the British Geological Survey map (BGS)² reveals that the Site is underlain by a bedrock of Edwalton Member (mudstone), which was formed during the Triassic period in an environment previously dominated by hot deserts.

The site is underlain by superficial deposits of Head (Clay, silt, sand and gravel) in an environment previously dominated by subaerial slopes.

3.2.2 Hydrogeology

The bedrock deposits beneath the Site are classified as a Secondary B aquifer, whilst superficial drift is recorded as Secondary (undifferentiated) on the Multi Agency Geographical Information for the Countryside (MAGIC)³ Map.

The Site does not lie within a Source Protection Zone (SPZ).

3.2.3 Hydrology

There are no surface water features within 500m from the sites EP boundary.

The site lies within a Flood Zone 1⁴, defined as land having a less than 1 in 1,000 annual probability of river or sea flooding.

² British Geological Survey (BGS), available at www.bgs.ac.uk, accessed in May 2021

³ Multi Agency Geographical Information for the Countryside Map (MAGIC), available at ww.magic.gov.uk, accessed in May 2021

⁴ Flood Map for Planning, available at <https://flood-map-for-planning.service.gov.uk/>, accessed in June 2021

3.3 Ecology

A 10km radius was employed in identifying all ecological receptors of importance with the exception of Sites of Special Scientific Interest (SSSI), for which a 2km radius is recommended under EA draft guidance⁵. A search on MAGIC identified that there is the following features of ecological importance within the vicinity of the site:

- Local Nature Reserves (LNR)– There are numerous LNR within 10km from the sites EP boundary. All are identified on drawing 005. The closest LNR is Elm Wood located approximately 1.2km to the southeast of the site, Sunnysdale Park located approximately 1.8km to the west and The Sanctuary Bird Reserve located approximately 2.0km to the northeast; and
- Ancient woodland – Elm Wood is located approximately 1.2km to the southeast of the site.

Searches on MAGIC confirmed there are none of the following within 10km of the EP boundary:

- Areas of Outstanding Natural Beauty (AONB);
- National Nature Reserves (NNR);
- Ramsar;
- Special Areas of Conservation (SAC);
- Special Protection Areas (SPA);
- Biosphere Reserves; or
- RSPB Reserves.

Searches on MAGIC confirmed there are no SSSIs within 2km from the Site's boundary.

3.3.1 Cultural Heritage

Searches on MAGIC identified the following within 2km of the EP boundary:

- Listed buildings: there are numerous listed buildings located within 2km from the sites EP boundary. The closest Grade II Listed Building is the War Memorial, Church of St Thomas the Apostle which is located approximately 600m to the north of the site.

Searches on the MAGIC Map confirmed there are none of the following within 2km of the EP boundary:

- Registered Battlefields; and
- Scheduled monuments.

Searches on MAGIC identified the following within 10km of the EP Boundary:

- World Heritage Site: there is one World Heritage site located within 10km from the sites EP Boundary. Derwent Valley Mills is located 2.7km to the north of the site; and
- Registered park and gardens: there are numerous registered parks and gardens within 10km from the sites EP boundary. The closest is Derby Arboretum located approximately 890m to the north of the site.

3.4 Receptors

Local receptors within 500m of the Site are recorded in Table 2, along with natural and cultural receptors within 10km.

⁵ EA Draft guidance 'How to complete a location check in Opra' 2011

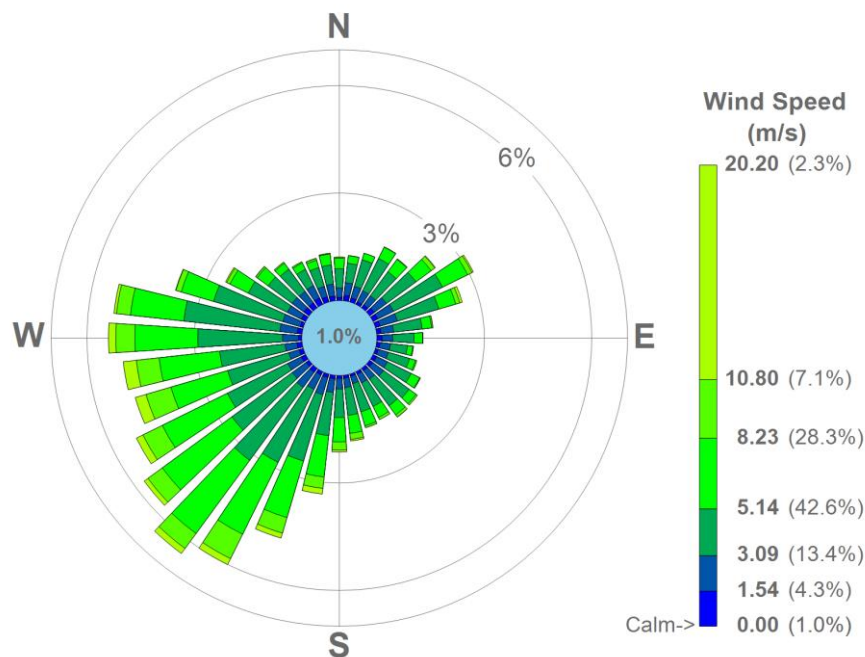
Table 2 Receptors

| Receptor Name | Type | Direction | Approximate Distance from the Site Boundary (in metres) |
|---|----------------------------|--------------------|---|
| Local Receptors within 500m | | | |
| Derby Plumbing supplies / Derby Auto Service / 24K Smoke | Commercial/industrial | Northeast | Adjacent |
| Shaftesbury Street south | Local road network | South | Adjacent |
| Railway line | Local transport network | South | Adjacent |
| Residential properties | Residential | West and southwest | adjacent |
| Place of worship | Religious settings | North | Adjacent |
| Sherwood Recreational ground | Recreational | Southwest | 90 |
| Pear Tree Infant School / Pear Tree Community Junior School | Educational | north | 100 |
| Residential properties along Coronation Street | Residential | north | 100 |
| Residential properties along Elton Road | Residential | east | 150 |
| Osmaston Park Road | Local road network | South | 300 |
| Cultural and Natural Heritage Receptors | | | |
| War Memorial Church of St Thomas the Apostle | Grade II Listed Building | North | 600 |
| Derby Arboretum | Registered Park and Garden | North | 890 |
| Elm Wood | LNR / ancient woodland | Southeast | 1200 |
| Sunnydale Park | LNR | West | 1800 |
| The Sanctuary Bird Reserve | LNR | Northeast | 2000 |
| Derwent Valley Mills | World Heritage Site | North | 2700 |

3.5 Windrose

A wind rose from East Midlands Meteorological Station, providing the frequency of wind speed and direction from 2016-2018 is presented in Figure 1-1 below. The wind rose shows that winds from the south western and west are most frequent. Winds from other directions are less frequent.

Figure 3-1
East Midlands Meteorological Station, 2016-2018



4.0 ENVIRONMENTAL RISK ASSESSMENT

This section considers the potential pathways between source and receptor and where appropriate, the assessment demonstrates how the risk of pollution or harm can be mitigated by measures to manage these risks and/or block the pathways. An assessment in terms of hazards posed, receptors and pathways, along with management and residual risks for the following hazards is presented for the following potential risks:

- Accidents;
- Noise and vibration; and
- Uncontrolled or unintended emissions.

The probability of exposure is the likelihood of the receptors being exposed to the hazard, and is defined as low, medium or high. These terms are qualified as follows;

- Low: exposure is unlikely, barriers in place to mitigate against exposure.
- Medium: exposure is fairly probable, barriers to exposure less controllable.
- High: exposure is probable, direct exposure likely with few barriers.

The methodology outlined in Section 1.2 of this report is the basis on which it is determined whether the proposed operations will lead to significant impacts on the surrounding environment. Where a conclusion of 'not significant' has been reached, it is proposed that the mitigation and management measures that will be in place at the Site will be sufficient to ensure that there will be no impact at the surrounding environment.

4.1 Accident Risk Assessment and Management Plan

Table 3
Accident Risk Assessment and Management Plan

| What do you do that can harm and what could be harmed | | | Managing the Risk | Assessing the Risk | | |
|---|--|---|--|-----------------------------|--------------------------------------|---|
| Hazard | Receptor | Pathway | Risk management | Probability of exposure | Consequence | What is the overall risk |
| What has the potential to cause harm? | What is at risk what do I wish to protect? | How can the hazard get to the receptor? | What measures will you take to reduce the risk? – Who is responsible for what? | How likely is this contact? | What is the harm that can be caused? | What is the risk that still remains? The balance of probability and consequence |
| Acceptance of Unauthorised Materials | Potentially sensitive receptors as listed in section 3.0 and Table 2, including, commercial/industrial premises, educational and recreational facilities and sites of ecological importance. | Air, Land | <p>Incoming product will be subject to strict acceptance procedures to identify, reject and/or segregate potentially non-conforming products.</p> <p>Only products authorised by the EP will be accepted at the Site.</p> <p>In the event that unauthorised product is delivered to the Site, the product will be segregated and stored in the designated quarantine area prior to export from site. Biodegradable products will be stored in a sealed container to prevent the attraction of pests.</p> <p>The Site Manager will be responsible for ensuring that pre-acceptance measures are followed and that any investigations or</p> | Low | Contamination | Low |

| | | | | | | |
|------|--|--|--|--------|--------------|------------|
| | | | remedial actions undertaken on Site are recorded in the site diary in accordance with the management system. | | | |
| Fire | Potentially sensitive receptors as listed in section 3.0 and Table 2, including, commercial/industrial premises, educational and recreational facilities and sites of ecological importance. | Surface and groundwater, air and land. | <p>All equipment is maintained in accordance with the manufacturer's recommendations. Emergency plans are in place to ensure flammable substances are contained appropriately and safely.</p> <p>All fuel and chemical spillages will be cleaned up using the spill kits provided, as soon as they are noticed.</p> <p>No smoking will be allowed on Site.</p> <p>No hot works will take place on Site.</p> <p>All site personnel will monitor the Site for fire, at all times. Furthermore, all wiring and equipment will be inspected regularly in accordance with manufacturers manuals.</p> <p>The main building has an L5 fire alarm with automatic fire detection in escape routes, risk rooms, plant rooms, service & ceiling voids. Production areas on each floor have manual call points. The main panel is analogue addressable and is located at the staff entrance. There are three other slave panels, one in the security hut, one in</p> | Medium | Injury/death | Low |

| | | | | | | |
|------------------------|--|------|--|-----|----------|------------|
| | | | <p>reception and one on the 1st floor service void. The alarm is divided into 47 zones and there are zone plans displayed by each panel.</p> <p>In the event of a small fire, site personnel will attempt to tackle it themselves using fire extinguishers distributed on site. If this is not possible, or the fire is too big, the Site will be evacuated, and the Fire Service will be called. The EA will then be notified, and deliveries will be halted.</p> <p>The cook oven has a gas CO2 suppression system fitted inside the oven and flu. The thermal oil plant/boiler and thermal oil pump set and valve station has a misting system in place.</p> | | | |
| Security and vandalism | Potentially sensitive receptors as listed in section 3.0 and Table 2, including, commercial/industrial premises, educational and recreational facilities and sites of ecological importance. | Land | <p>The Site will be manned during operational hours will benefit from security fencing around the perimeter and lockable gates.</p> <p>The fencing will be inspected daily. Any weaknesses will be fitted with temporary repairs immediately and will be repaired with permanent measures within 7 working days.</p> <p>The Site will also benefit from CCTV and security lighting.</p> | Low | Nuisance | Low |

| | | | | | | |
|---------------------|--|---|--|-----|----------------------------|------------|
| | | | <p>All visitors to the Site will be required to register in the visitor's book and sign out again on exit. This minimises the risk of unauthorised visitors being present at the Site.</p> <p>Operational procedures, including regular inspections, ensure continual monitoring of security provision at the Site.</p> <p>The Site Manager will be responsible for the monitoring and recording of investigations or remedial actions in the site diary in accordance with the management system (reference: 410.07469.00006/BAT-OT).</p> | | | |
| Flooding | Potentially sensitive receptors as listed in section 3.0 and Table 2, including, commercial/industrial premises, educational and recreational facilities and sites of ecological importance. | Land, water | <p>The site lies within a Flood Zone 1, defined as land having a less than 1 in 1,000 annual probability of river or sea flooding and therefore is unlikely to flood.</p> <p>However, the Site Manager will be responsible for implementing risk management and remediation measures in accordance with the management system if necessary (reference: 410.07469.00006/BAT-OT).</p> | Low | Nuisance and contamination | Low |
| Spillage or leakage | Local land quality, surface water and groundwater | Runoff and percolation through the ground | <p>All chemicals and oils are stored in a separate building in spilled controlled areas with sufficient bunding.</p> <p>The site benefits from impermeable concrete surfacing.</p> | Low | Nuisance | Low |

| | | | | | | |
|--|--|--|--|--|--|--|
| | | | <p>Materials suitable for absorbing and containing minor spillages will be maintained on site.</p> <p>During operational hours, the site staff will undertake daily monitoring of the storage areas for evidence of spillage and leakage. If evidence of spillage is seen, the affected area will be cleaned and containment areas repaired if required.</p> <p>In the event of a major spillage immediate action will be taken to contain the spillage and prevent liquid from entering surface water drains and the unsurfaced ground. The spillage will be cleared immediately and placed in containers for off-site disposal and the EA will be notified.</p> <p>The Site Manager will be responsible for implementing risk management measures in accordance with the management system (reference: 410.07469.00006_BATOT).</p> | | | |
|--|--|--|--|--|--|--|

4.2 Noise and Vibration Risk Assessment and Management Plan

Table 4
Noise and Vibration Risk Assessment and Management Plan

| What do you do that can harm and what could be harmed | | | Managing the Risk | Assessing the Risk | | |
|--|--|---|---|---|--------------------------------------|---|
| Hazard | Receptor | Pathway | Risk management | Probability of exposure | Consequence | What is the overall risk |
| What has the potential to cause harm? | What is at risk what do I wish to protect? | How can the hazard get to the receptor? | What measures will you take to reduce the risk? – Who is responsible for what? | How likely is this contact? | What is the harm that can be caused? | What is the risk that still remains? The balance of probability and consequence |
| Noise from vehicular movements Noise from site operations | Potentially sensitive receptors as listed in section 3.0 and Table 2, including, commercial/industrial premises, educational and recreational facilities and sites of ecological importance. | air | <p>The site is located within close proximity to residential properties. However, it is not expected that the activities on Site will give rise to significant levels of noise.</p> <p>All processing equipment is located within process buildings or housed in bespoke containment.</p> <p>The site’s EMS includes a noise management plan.</p> <p>All process equipment has been designed in accordance with European noise standards; the equipment is subject to regular preventative maintenance in accordance with the manufacturer’s requirements</p> | Low – with the mitigation measures in place | Nuisance | Low |

| | | | | | | |
|--|--|--|--|--|--|--|
| | | | <p>In order to minimise noise emitted from the Site, specific noise mitigation measures will include the following:</p> <ul style="list-style-type: none">• Internal roads & surfacing will be kept clean and maintained in a good state of repair and subject to a speed limit;• Unnecessary vehicle movements will be minimised by efficient offloading/loading;• Plant shall be operated so as to minimise noise emissions;• Plant shall be subject to regular maintenance in accordance with manufacturer's specifications;• Quiet plant shall be selected where appropriate. Such plant may be fitted with lined and sealed acoustic covers which will be kept closed whenever plant is in use; and• Any plant or equipment which are intermittently used shall be shut down in the intervening periods between working periods or throttled back to a minimum.• All Site personnel are trained in the need to minimise Site noise and are responsible for monitoring and | | | |
|--|--|--|--|--|--|--|

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|--|--|--|--|--|--|--|
| | | | <p>reporting excessive noise when carrying out their everyday roles.</p> <p>A record of the inspection findings and any complaints will be made in the site diary. The Site Manager will be responsible monitoring and managing noise levels, in accordance with the management system (reference: 410.07469.00006_BATOT).</p> | | | |
|--|--|--|--|--|--|--|

4.3 Uncontrolled or unintended emissions Risk Assessment and Management Plan

Table 5
Uncontrolled or unintended emissions Risk Assessment and Management Plan

| What do you do that can harm and what could be harmed | | | Managing the Risk | Assessing the Risk | | |
|---|---|---|---|-----------------------------|--------------------------------------|---|
| Hazard | Receptor | Pathway | Risk management | Probability of exposure | Consequence | What is the overall risk |
| What has the potential to cause harm? | What is at risk what do I wish to protect? | How can the hazard get to the receptor? | What measures will you take to reduce the risk? – Who is responsible for what? | How likely is this contact? | What is the harm that can be caused? | What is the risk that still remains? The balance of probability and consequence |
| Pests | Potentially sensitive receptors as listed in section 3.0 and Table 2, including, commercial/industrial premises, educational and recreational facilities and sites of | Land, Water, Air | <p>The products used on site have the potential to attract pests. However, the products are arriving from parent company sites and product acceptance procedures are followed. Product arrives on site in refrigerated loads and are transported palletised trays on site.</p> <p>Any product arriving on site which does not meet the product acceptance procedures will removed</p> | Low | Nuisance | Low |

| | | | | | | |
|---|---|-----------|--|-----|----------|-----|
| | ecological importance. | | <p>immediately, quarantined in a sealed container and removed off site as soon as possible, to prevent the attraction of pests.</p> <p>BM has pest management arrangements in place at the facility, this includes a contract with an appointed pest control company who regularly visits the site to ensure pest control is adequate.</p> <p>The Site Manager is responsible for ensuring that the Site is monitored daily, and that investigations and remedial actions are recorded in the site diary in accordance with the management system (reference: 410.07469.00006_BATOT).</p> | | | |
| <p>Litter from site processes.</p> <p>Litter from vehicles.</p> | <p>Potentially sensitive receptors as listed in section 3.0 and Table 2, including, commercial/industrial premises, educational and recreational facilities and sites of ecological importance.</p> | Land, Air | <p>The products and waste produced on site is unlikely to generate litter.</p> <p>The waste generated on site is contained in bales or containers and therefore unlikely to generate litter.</p> <p>All deliveries will be inspected upon arrival for any residual, non-conforming waste which may include food packaging.</p> <p>To prevent this litter impacting the environment, all non-conforming products and packaging waste will be removed and stored in a sealed container for treatment offsite by a suitably licenced facility.</p> <p>Bins will be provided outside for site workers and visitors to use.</p> | Low | Nuisance | Low |

| | | | | | | |
|-----|--|------|--|-----|----------|-----|
| | | | <p>The Site will be cleaned daily, and good housekeeping procedures will be followed. The Site and Site boundary will also be inspected daily by Site Personnel.</p> <p>In the event that litter arising from the site is deposited outside the site, the affected area will be cleaned.</p> <p>The Site Manager is responsible for ensuring that the Site is monitored daily, and that investigations and remedial actions are recorded in the site diary in accordance with the management system (reference: 410.07469.00006_BATOT).</p> | | | |
| Mud | Potentially sensitive receptors as listed in section 3.0 and Table 2, including, commercial/industrial premises, educational and recreational facilities and sites of ecological importance. | Land | <p>The Site is covered by impermeable concrete which will not generate mud. Furthermore, it is unlikely that vehicles will bring mud onto the Site, due to the extensive road network surrounding the Site.</p> <p>Areas of hardstanding and impermeable surfacing will benefit from good housekeeping and will be cleaned daily to ensure the Site is free of significant quantities of mud and debris.</p> <p>In the event that mud or debris arising from the Site is deposited outside the site, the affected area will be cleaned.</p> <p>The Site Manager is responsible for ensuring that the Site is monitored daily, and that investigations and remedial actions are recorded in the site diary in accordance with the management system (reference: 410.07469.00006_BATOT).</p> | Low | Nuisance | Low |

| | | | | | | |
|------------------------------------|--|---------------------------|--|-----|----------|-----|
| Dust from: Vehicle movements | Potentially sensitive receptors as listed in section 3.0 and Table 2, including, commercial/industrial premises, educational and recreational facilities and sites of ecological importance. | Air | <p>The activities on site will not give risk to significant quantities of dust. A potential source of dust would be vehicle movements on site which would not give rise to significant quantities of dust.</p> <p>Traffic calming measures will be implemented to reduce emissions of dust and a speed limit will be in place across the site.</p> <p>Site operational areas will be maintained and repaired to minimise emissions of dust due to uneven and poor surfacing.</p> <p>All operational areas will be swept where necessary to reduce dust emissions.</p> <p>Daily visual inspection at all areas of the Site and site boundary will be carried out by site personnel. In the event that significant visual dust is observed at the boundaries of the operational areas, action will be taken to suppress the dust. The Site will undergo cleaning and dampening if necessary. A record of the inspection findings & remedial action taken will be made in the site diary.</p> <p>The Site Manager will be responsible for ensuring that the Site is monitored for dust in accordance with the management system (reference: 410.07469.00006_BATOT).</p> | Low | Nuisance | Low |
| Runoff from waste storage areas, | Potentially sensitive receptors as listed in section 3.0 and Table 2, including, | Land, Surface Water | All waste generated on site will be stored externally on engineered impermeable concrete surfacing. Surface water will be collected in the sealed drainage system and discharged to sewer | Low | Nuisance | Low |

| | | | | | | |
|--|--|--------------------------|--|------------|-----------------|------------|
| <p>process areas and site surfaces</p> | <p>commercial/industrial premises, educational and recreational facilities and sites of ecological importance.</p> | | <p>under a trade effluent discharge consent. Weekly inspections are completed on all drains and discharge points. Fat traps are installed in addition to an interceptor to avoid contaminated discharge via trade effluent discharge.</p> <p>Chemicals and oils are stored in a dedicated area with impermeable concrete surfacing and containment.</p> <p>The Site will be inspected daily during operational hours to ensure it is in good condition. Any weaknesses will be repaired immediately using temporary solutions and with permanent measures implemented as soon as practicable.</p> <p>The Site Manager will be responsible for ensuring that the Site is monitored and that any investigations or remedial actions are recorded in the Site diary in accordance with the management system (reference: 410.07469.00006_BATOT).</p> | | | |
| <p>Percolation of Materials</p> | <p>Local surface water features and groundwater</p> | <p>Land, Groundwater</p> | <p>The Site is underlain by impermeable concrete surfacing to prevent the percolation of contaminated materials into the soil and groundwater.</p> <p>The surfacing is inspected daily to ensure it is in good condition. Any weaknesses will be repaired immediately using temporary solutions, and with</p> | <p>Low</p> | <p>Nuisance</p> | <p>Low</p> |

| | | | | | | |
|--|--|--|---|--|--|--|
| | | | <p>permanent measures implemented as soon as practicable.</p> <p>The Site Manager will be responsible for ensuring that the Site is monitored and that any investigations or remedial actions are recorded in the site diary in accordance with the management system (reference: 410.07469.00006_BATOT).</p> | | | |
|--|--|--|---|--|--|--|

5.0 CONCLUSION

To conclude, it is considered that the operations on Site will not pose a significant risk of harm to sensitive receptors in the vicinity of the Site due to the strict procedures and management measures in place.

EUROPEAN OFFICES

United Kingdom

AYLESBURY

T: +44 (0)1844 337380

BELFAST

T: +44 (0)28 9073 2493

BRADFORD-ON-AVON

T: +44 (0)1225 309400

BRISTOL

T: +44 (0)117 906 4280

CAMBRIDGE

T: + 44 (0)1223 813805

CARDIFF

T: +44 (0)29 2049 1010

CHELMSFORD

T: +44 (0)1245 392170

EDINBURGH

T: +44 (0)131 335 6830

EXETER

T: + 44 (0)1392 490152

GLASGOW

T: +44 (0)141 353 5037

GUILDFORD

T: +44 (0)1483 889800

LEEDS

T: +44 (0)113 258 0650

LONDON

T: +44 (0)203 805 6418

MAIDSTONE

T: +44 (0)1622 609242

MANCHESTER

T: +44 (0)161 872 7564

NEWCASTLE UPON TYNE

T: +44 (0)191 261 1966

NOTTINGHAM

T: +44 (0)115 964 7280

SHEFFIELD

T: +44 (0)114 245 5153

SHREWSBURY

T: +44 (0)1743 23 9250

STIRLING

T: +44 (0)1786 239900

WORCESTER

T: +44 (0)1905 751310

Ireland

DUBLIN

T: + 353 (0)1 296 4667

France

GRENOBLE

T: +33 (0)6 23 37 14 14