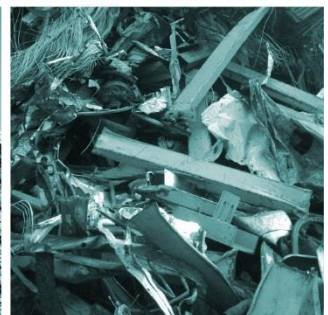
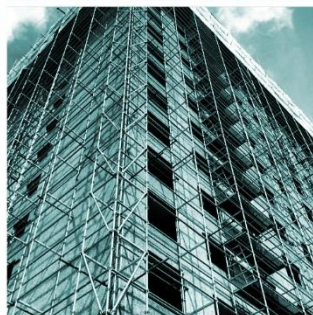
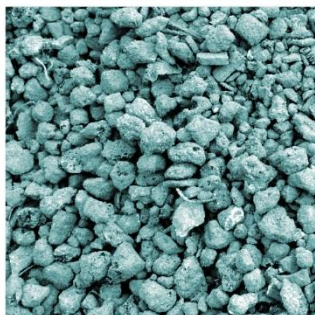
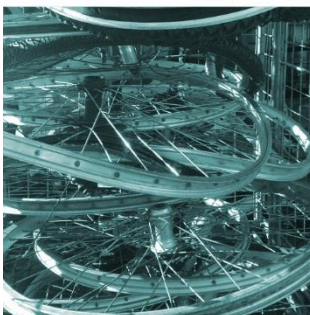
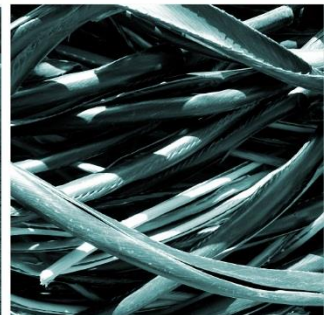
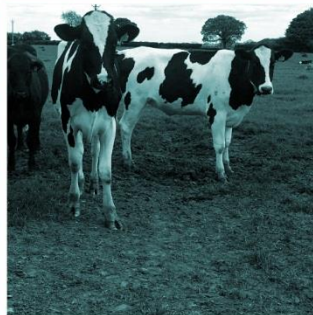


BROCKLESBY LIMITED PERMIT VARIATION

Noise Management Plan

June 2021



Client: Brocklesby Limited
Document Reference: HC1676-14

REPORT SCHEDULE

Operator: Brocklesby Limited

Client: Brocklesby Limited

Project Title: Brocklesby Limited – Permit Variation Application

Document Title: Noise Management Plan

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1. INTRODUCTION

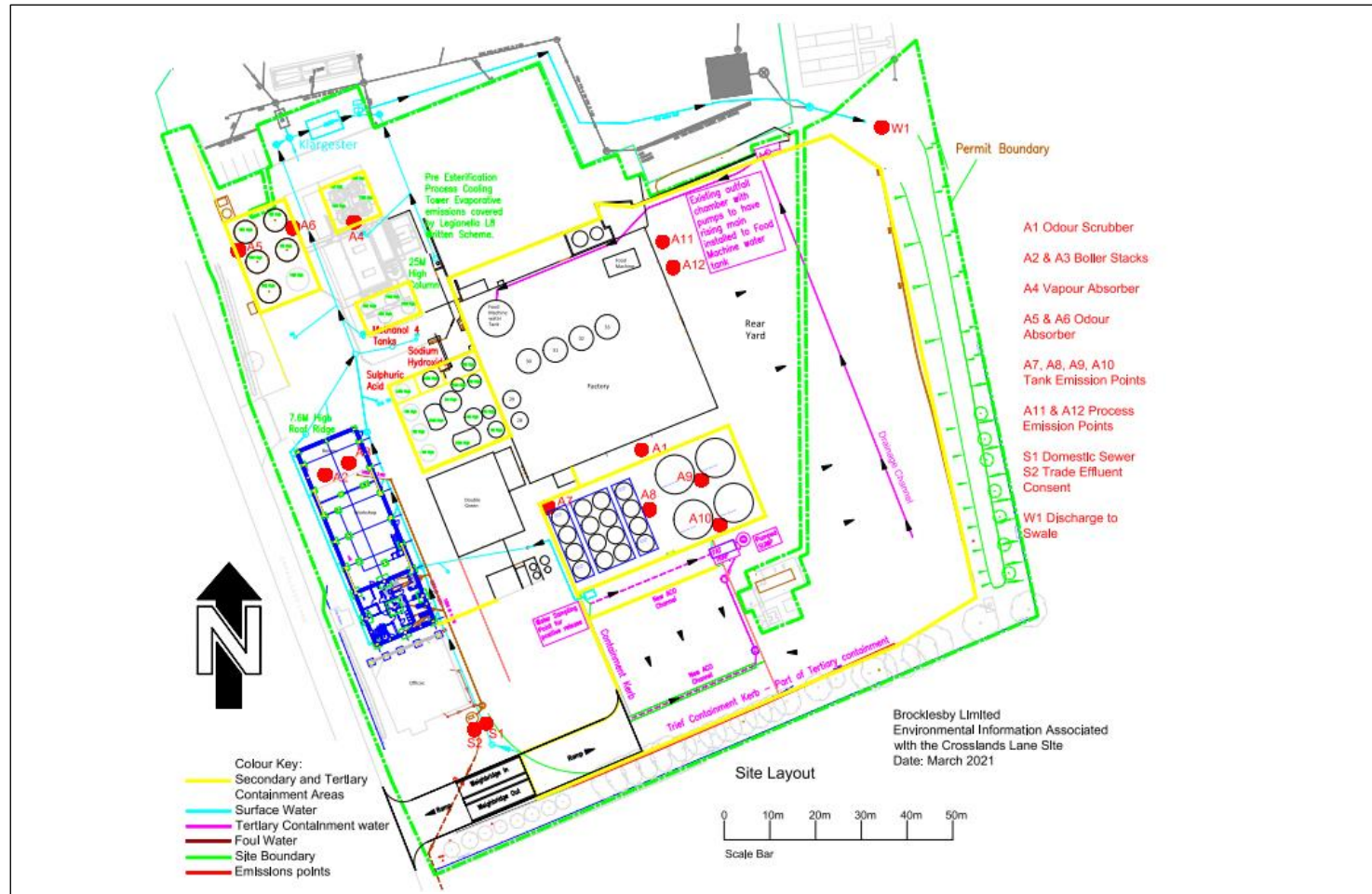
1.1 Introduction

- 1.1.1 The Noise Management Plan outlines the methods by which Brocklesby Limited will systematically assess and minimise the potential impacts of noise generated at the Brocklesby Limited permitted site. The Noise Management Plan is a working document with the specific aim of ensuring that:
- Noise impact is considered as part of routine inspections;
 - Noise is primarily controlled at source by good operational practices, including physical and management control measures; and
 - All appropriate measures are taken to prevent or, where that is not reasonably practicable, to reduce noise emissions from site operations.
- 1.1.2 This Noise Management Plan addresses the impact of noise and the control measures employed to mitigate the risk. These are supported through monitoring procedures to identify both elevated levels and review complaints should they arise. The complaints management procedure, including the management responsibilities are also addressed.

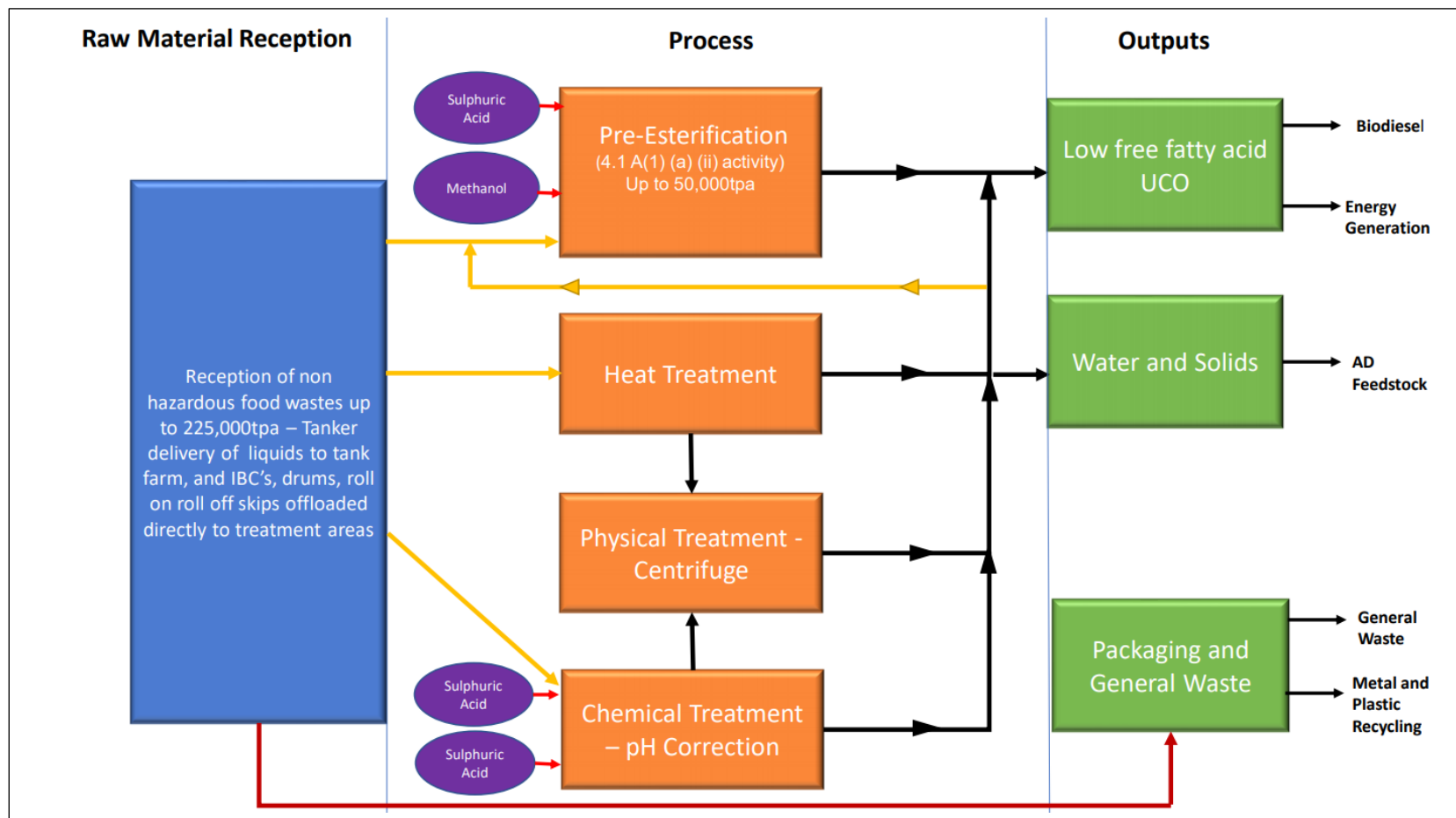
1.2 Site Details

- 1.2.1 Brocklesby Limited is a food waste/fats processing facility located at Crosslands Lane, North Cave East Ridings of Yorkshire. The site processes used edible cooking oil and fatty food wastes, to produce processed oils and fats that are sent on for use in biofuels and energy generation. The residual oils and water arising from the process are sent for use as Anaerobic Digestion (AD) feedstocks. Deliveries of fats and oils are accepted at the site via tanker or HGV's and end materials either dispatched from site via tanker or pumped via direct pipeline to the Brocklesby Biogas AD facility which is immediately adjacent to the site.
- 1.2.2 Site address: Brocklesby House, Crosslands Lane, North Cave, East Riding of Yorkshire, HU15 2PG.
- 1.2.3 The site is manned and operational on a 24 hour a day basis, although deliveries to and from the site normally take place between 06:00h - 18:00h Monday-Friday, with sporadic out of hours movements when necessary. Daily throughput will be approximately 900 tonnes (36 trucks per day equating approximately to 3 in, 3 out per hour on average).

1.3 Site Plan – green line indicates permit boundary (HC1676-05)



1.4 Process Flow



2. NOISE SOURCES, RELEASES, AND IMPACTS

2.1 Sources

- 2.1.1 The main noise contribution from the site will occur during operation of the plant due to; vehicle traffic, loading/unloading of tankers and trailers and operation of boilers, plant and machinery. All processing machinery is housed within buildings at the site.
- 2.1.2 Occurrences of noise have been the subject of a noise screening assessment to determine any potential noise impacts. A detailed modelling assessment has subsequently been undertaken taking into account the changes in operations at the site arising from site refurbishments and increased site processing capacity. This document is presented with the permit variation application documentation as an appendix to the site risk assessment, reference HC1676-08 Appendix 4.

2.2 Receptors

- 2.2.1 Below is a list of potential noise receptors, and diagram showing locations of receptors as outlined in Table 1 of the Noise Statement by Redmore Environmental Limited in November 2017.

Table 1 Potential Noise Receptors

Reference	Receptor	Location	Approximate Distance to the Site Boundary
R1	Haggertons	South-west of the site	255m
R2	46 Newport Road	Directly South of the site	170m
R3	Dwelling set back from Newport Road	South-east of the site	210m
R4	Dwelling on Breck Lane	Directly West of the site	360m
R5	Common Farm / dwellings on Crosslands Lane	North-west of the site	615m
R6	The Mews / 3 Hotham Road	North-east of the site	810m
R7	Bungalow Farm	East of the site	365m
R8	Dwelling on Townsend Lane	East of the site	585m

2.2.2 Receptor locations are shown below:

Receptor and Noise Monitoring Point Locations from (Appendix B – Noise Impact Assessment - Doc HC1676-04 – Appendix 4)



2.3 Personnel and Visitors

- 2.3.1 Personnel/operatives working on site are the closest receptors to any noise and vibration produced on site, however due to consistent working conditions it may be unlikely that operatives would be particularly sensitive to noise and vibration. All operatives should be made aware of the issue of noise and vibration on site and should be fully conversant with the contents of the Site Management System and relevant aspects of the Noise Management Plan.
- 2.3.2 Personal Protective Equipment (PPE) shall be made available where appropriate.
- 2.3.3 It is unlikely that noise and vibration from the facility will cause nuisance or distress to visitors to the site. However, all visitors shall be made aware of the nature of site operations. PPE shall be made available where appropriate or requested in line with the site induction programme.

2.4 Neighbours

- 2.4.1 Neighbouring sites and businesses are likely to be the most sensitive receptors to noise and vibration nuisances especially those not operating industrial facilities where noise generating plant/equipment is used. Good relationships with neighbouring landowners and businesses are essential to anticipate potential problems and avoid them, where possible, to avoid any cause for complaint. The Operator shall ensure:

- that all the neighbours know how to contact the site if they consider noise and/or vibration to be a problem (contact details will be clearly visible on the site notice board along with Environment Agency details); and
- that any complaints are recorded and that problems, where possible, are dealt with promptly.

2.4.2 It is considered unlikely that noise and vibration from the Brocklesby Limited site will cause nuisance or distress to neighbours to the site. The receptors listed above will be considered within the noise management plan for the facility. In addition to the receptors listed above, the adjacent Brocklesby Biogas AD Facility is also considered as a potential noise receptor.

2.5 Site Management Responsibility

2.5.1 The Operations Manager will have responsibility for ensuring that nuisances and hazards arising from the operations due to noise are minimised, and that the measures outlined in this management plan are implemented.

3. NOISE MITIGATION

3.1 Noise Mitigation

- 3.1.1 As part of the plant design the following general noise control measures have been identified to mitigate the site causing nuisance and to manage the potential for noise impact in a proactive manner.

Table 2 Noise Mitigation Measures

Equipment / Process	Mitigation
Process equipment	All plant and equipment will be regularly maintained to ensure that no item will produce excessive noise. No routine maintenance work outside of working hours is anticipated to be undertaken Pumps/fans/compressors contained within buildings. Buildings and container doors to be kept closed.
Manual Handling / Tools	Place tools and equipment on the ground – do not drop Cover surfaces where tools/equipment is placed with resilient material.
Vehicles	Usual site opening hours 06:00 to 18:00 hours Monday to Friday, limited movements at weekends and out of hours. 36 trucks per day / 3 in, 3 out per hour on average Avoid slamming doors Minimise speed and engine revs Stereos / radios off Minimise use of horns Switch off engines when stationary Keep site roads well maintained One way traffic system with 'in' and 'out' weighbridges All deliveries supervised by an operator
Reversing Alarms	Alarm level to be variable relative to the background noise level Consider non-audible warning systems such as flashing lights Operative in attendance during reversing onsite

4. NOISE MONITORING

4.1 Noise Monitoring

- 4.1.1 The noise impact modelling assessment has concluded that there is a low likelihood of any adverse impact from noise to nearby sensitive receptors from the proposed development and no specific additional measures for mitigation were recommended.
- 4.1.2 The site is in an area influenced by road noise from the M62 and from the neighbouring sawmill and aggregates businesses. The site is also adjacent to the Brocklesby AD Biogas Facility which is also operating under an environmental permit.
- 4.1.3 As a result of the findings of the noise impact modelling assessment, no routine noise monitoring is planned for the site. However, should complaints be received alleging nuisance from noise arising from the site, then instigation of a monitoring programme to further assess the cause of impacts will be considered.
- 4.1.4 Any such monitoring programme will be developed in line with the site liaison protocol that has been developed in association with the Brocklesby AD Biogas Facility to ensure that the source or sources are identified across the two adjacent permitted sites (the Brocklesby Limited facility and the Brocklesby Biogas AD facility).
- 4.1.5 The operator will undertake routine weather monitoring on an ongoing basis which will provide baseline data to assist assessment of any noise complaints should they be received.

5. RECEIPT OF COMPLAINTS

5.1 Response to Identification of Elevated Noise Levels

5.1.1 Elevated levels of noise may be identified either by site operational staff or by receipt of a noise complaint from a third party suggesting that there may be an excessive noise from the operations at the Brocklesby Limited facility.

5.1.2 This section details the contingency measures in place to identify the source of elevated noise levels, bring noise levels back under control and minimise their impact.

5.2 Receipt of Complaints

5.2.1 Members of the public can contact the Brocklesby Limited facility with any noise or vibration complaints by the following means:

- By telephone directly to the site Operations Manager - contact number 07763 836374
- By email to the site Operations Manager reece.webb@brocklesby.org

5.2.2 These methods of contacting the operator will be displayed at the site, shown on the company website and communicated through meetings, press releases, bulletins and other forms of advertisement in connection with operation of the facility.

5.2.3 Members of the public are also able to contact the Environment Agency or the Local Authority with any noise or vibration complaints about the site ; the contact details for these will be displayed on the site notice board and are readily available elsewhere.

5.2.4 Once a complaint has been received and the details collected, the complaint will be processed in the manner outlined in the section below.

6. MANAGEMENT OF COMPLAINTS

6.1 Complaint Registration

6.1.1 The operator will maintain a record of all complaints received. If the operator receives a complaint alleging potential noise nuisance from the Brocklesby Limited site:

- The complaint will be fed into the registration system; and
- The complaint data will be recorded in a systematic way, enabling comparison with standard noise descriptors, with wind direction and site work activities on dedicated form included here as Appendix 1.

6.1.2 Complaints will be recorded on the form shown in Appendix 1. Complaints will be reviewed on at least a bi-monthly basis by the operations manager to ensure that progress towards resolution of identified preventative and corrective measures is being made.

6.2 Roles and responsibilities for complaints management

6.2.1 It is the duty of all members of staff to receive and record complaints, which will be processed by the operations manager. Complaints will be investigated according to the procedure outlined.

6.3 Collecting Complaint Details

6.3.1 Wherever possible, the following minimum information will be collected for each complaint:

- The time and date when the offensive noise was observed;
- The location where the offensive noise was observed, (e.g. postal address, grid reference);
- The complainant's description of noise. This should include a subjective description of all the factors necessary to assess the impact of the noise, including intensity, character, relative unpleasantness (pleasant, unpleasant, or neutral), frequency and duration;
- The identity of the complainant, if possible, to assess the repeated nature of complaints;
- The residential address of the complainant; and
- Any other information the complainant can offer on activities at the alleged noise source.

6.3.2 It is also necessary to collect (by observation, routine monitoring, or further investigation) the following additional information to allow subsequent analysis and collation of complaints:

- wind direction and speed, and atmospheric stability class at the time of complaint;
- any process incidents at the time of complaint; and
- other off-site activities ongoing at the time, such as activities at the Brocklesby Biogas AD Facility or neighbouring aggregates businesses.

6.4 Investigating of Noise Complaints

6.4.1 This response procedure sets out what investigative actions will be taken in response to a complaint. The aim of the investigative actions will be to establish:

- the source of the noise complaint; and
- the impact of the noise.

- 6.4.2 A series of investigative tools, of increasing sophistication, will be used until these two questions can be satisfactorily answered. This then enables the appropriate noise controls to be applied if the impact is significant and the source is confirmed as being the Brocklesby Limited site.

6.5 Complaint Screening

- 6.5.1 The investigation will start with an initial screening of the complaint. If the screening process fails to confirm the noise incident, then the investigation will stop at that point. If the screening process confirms the noise incident, then a more detailed investigation is carried out.
- 6.5.2 The object of the initial screening is to quickly screen out those noise complaints that are unlikely to be due to operations at the Brocklesby Limited site, perhaps because they result from some other activities in the area.
- 6.5.3 The initial screening exercise will consider the following:
- knowledge of potential sources at the Brocklesby Limited site (including work activities in progress, any technical problems, etc);
 - knowledge of potential sources in the locality other than Brocklesby Limited;
 - wind direction at the time of the alleged noise episode; and
 - distance and location of the complainant in relation to the site.
- 6.5.4 The operator will liaise with local stakeholders (including the complainant) and inform them of the outcome of the assessment of the complaint and whether any action is to be taken.

6.6 Further Investigation of the Complaint

- 6.6.1 If the initial screening concludes that Brocklesby Limited could be the source of the noise complaint, then further investigation will be carried out, which will either 'confirm' and 'further characterise' the noise incident as being due to activities at Brocklesby Limited, or it will 'fail to confirm' the incident.
- 6.6.2 Further investigation will be by means of a graded response, designed to answer the questions:
- can the source of the episode be linked to the operations at the site; and
 - what is the scale of the impact?
- 6.6.3 The operator may use noise monitoring to provide supporting data to answer these questions or provide additional confirmation. The monitoring effort is increased in a graduated way until the data generated is sufficient to answer the relevant questions being asked. If the level of monitoring being carried out at a stage in the graded response cannot answer the question (either at all, or with sufficient confidence to satisfy stakeholders) then monitoring should move to the next level.
- 6.6.4 As well as undertaking monitoring, the operator may be able to obtain more detailed information from operator records about process conditions, observations, or inspections at the time of complaint – this would allow noise trends to be identified and possibly reconciled with particular process operations or maintenance.

6.7 Communication with Complainant

- 6.7.1 In the case of answer phone messages and complaints submitted by email or by letter, an acknowledgement and initial response will be given by telephone or by email within two working days, provided that telephone or email contact details have been given by the complainant. Where

complaints cannot be resolved on initial contact and further investigations are required, a written response will be made within 10 working days of submission of the complaint if contact details are provided.

- 6.7.2 The primary reasons for further investigation of complaints are to assess potential nuisance and identify the likely cause and source of the noise so that nuisance can be reduced or stopped. In the case of further investigations, the operator will communicate to the complainant the course of actions likely to be taken to ensure that there is transparency and to establish at the outset clear targets and goals for determining the success of any control measures.

7. PLANT MANAGEMENT

7.1 General

- 7.1.1 The operator is committed to effectively managing the impacts of noise from the Brocklesby Limited site. This commitment extends from policies produced at director level, to the resources available to the competent personnel, to the abilities of the personnel managing noise-critical work tasks. This section describes the responsibility for the management and operation of the site.
- 7.1.2 Brocklesby Limited conducts operations according to an Environmental Management System that is designed to ensure that all staff are competent to carry out the tasks that have been designated their responsibility.
- 7.1.3 Work instructions, job descriptions and procedures will be established for critical areas of the Company's activity and these will be issued to or made available to personnel responsible for undertaking these tasks.
- 7.1.4 Further information on roles and responsibilities is given below:
- The site has a dedicated Site Manager reporting to a Managing Director and Company Director;
 - The site and control system are manned 24 hours a day;
 - Process operational staff on the site are also responsible for making observations on the ground of general process performance during their daily attendance. During carrying out their daily routine duties on the site, staff are instructed to note and observe any unusual noise occurrences and to report these to the Site Manager;
 - Non specialist maintenance/inspection is carried out by site operational staff according to the maintenance plan and procedures; and
 - Specialist maintenance is provided by specialist contractors who carry out routine preventative maintenance and reactive breakdown maintenance on specific items of equipment. These contractors have clear terms and conditions, which include response times and requirements for routine inspection and servicing.

8. TRAINING AND COMPETENCE

8.1. General Procedures for Training and Competency of Staff

- 8.1.1 Training and competency of staff is controlled by the Brocklesby Limited Environmental Management System. The Environmental Management System covers training, awareness and competence. The company identifies training requirements of its employees and provides suitable resources to ensure they have the required knowledge, skills, and expertise to carry out their duties. This includes their roles and responsibilities in complying with the policy statements, the Environmental Management System and all relevant legislation. This is achieved through induction training for new employees, awareness training for all and specific training as required. Contractors and all persons performing tasks on behalf of the Company will be made aware of the policy and relevant Environmental Management System requirements and will be competent in the roles undertaken.
- 8.1.2 All staff at the facility are made fully aware of the need to be constantly vigilant about site noise control and management procedures. To minimise risk of emissions, emphasis will be given to:
- awareness of their responsibilities for avoiding noise nuisance; and
 - actions to minimise noise emissions during abnormal conditions.

9. DOCUMENT UPDATES AND REVIEWS

9.1 Document Update and Review

- 9.1.1 The operator is committed to an internal auditing process and to developing documented auditing procedures (forms) to record the process. The updating and review of controlled documents is controlled by the Brocklesby Limited Environmental Management System.
- 9.1.2 The Environment Agency will be provided reasonable access to audit the implementation of the NMP, complaints records and records of the operator's compliance with the NMP.
- 9.1.3 It is Brocklesby Limited's intent that the change mechanism should provide for improvements in management practice and organisation, to allow the NMP to be a living document, whereby changes to plant, equipment and practices that improve the operation of the facility and do not detract from overall environmental performance, are not unduly delayed or hindered. It is envisaged that the NMP will be reviewed and updated at on a regular basis, and as a minimum every four years.

APPENDIX 1

BROCKLESBY LIMITED NOISE COMPLAINT REPORT FORM					
	Date Reported:		Report No:		
Name and Address of caller					
Tel. No.					
Location to Facility					
Time and Date of complaint					
Date/Time/Duration of offending noise					
Description of noise, e.g. hiss, hum, rumble, intermittent					
Other comments on noise					
Weather conditions					
Wind strength/ Direction					
Any prior complaints relating to this noise					
Other relevant information					
Potential sources of noise					
Operation at time of noise, e.g. deliveries, feeding etc.					
Follow Up:					
Date/Time caller contacted					
Action Taken					
Any amendments required to Noise Management Plan					
Completed By		Signed:		Date:	



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