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RECYCLE IT GLOBAL

SCORRIER

NOISE MANAGEMENT PLAN

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RECYCLE IT GLOBAL

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NOISE MANAGEMENT PLAN

AUGUST 2024

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1 INTRODUCTION

1.1.1 This Noise Management Plan (NMP) has been prepared by Wardell Armstrong LLP (WA) on behalf of Recycle it Global (RIG)

1.1.2 This should be considered a dynamic, working document which will be continually updated to reflect ongoing operations and evolving environmental improvements on site.

1.1.3 Site operation and procedures will be designed to minimise emissions of noise. This will seek to ensure that operations at the site will not cause complaints about noise or lead to a disturbance of nearby receptors within the vicinity of the waste processing operations at the Park-an-Chy Waste Transfer Station.

1.2 Aims and Objectives

1.2.1 The aims and objectives of the NMP are:

- To minimise noise disturbance and annoyance to residents.
- To ensure compliance with environmental noise legislation.
- To develop a noise control strategy that can be implemented at the site.
- To ensure all staff have been adequately trained and received toolbox talks in relation to all noise generating operations on site.
- To seek to ensure site operations do not cause noise impacts that could constitute a statutory nuisance.

1.2.2 It is the responsibility of the site operator to ensure than the actions and mitigation stated in the NMP are adhered to on site.

1.2.3 The NMP will be reviewed regularly, on an annual basis. Changes may be made to the NMP where necessary to reduce any noise disturbance to nearby residents.

2 NOISE MANAGEMENT PLAN

2.1 Potential Noise Sources

2.1.1 The on-site equipment has been listed in **Table 1**, along with details of the nature of noise they produce, how much they contribute to overall emissions and possible mitigation measures that can be introduced.

2.1.2 Contribution of each source has been established based on the highest predicted levels which are at Existing Sensitive Receptor (ESR) 1 as presented in WA noise impact assessment (ref: NT16913/002). ESR 1 is located approximately 320 m west of the site boundary.

Table 1: Noise Risk Assessment			
Source	Nature of Noise	Contribution to Emissions	Mitigation Measures
Terex Cobra 290R - Crusher	Unlikely to be perceptible	Low - Predicted to have a contribution of 16dB at ESR1	Ensure plant is maintained in good working order, including noise control measures.
Terex Finley 883+ - Screener	Separating missed materials after processed by crusher.	Medium - Predicted to have a contribution of 32dB at ESR1	Ensure plant is maintained in good working order, including noise control measures. Where safe to do so, temporary barriers can be deployed between receptors/ equipment
Komatsu PC360 - Excavator	Movement of waste around site.	Medium – Predicted to have a contribution of 34dB at ESR1	Ensure plant is maintained in good working order, including noise control measures. There will be no use of single or multi pitch reversing beepers. Vehicles switched off when not in use
Volvo A25G – Articulated Dump Truck	Delivery and collection of waste.	Medium – Predicted to have a contribution of 34dB at ESR1	Ensure plant is maintained in good working order, including noise control measures. There will be no use of single or multi pitch reversing beepers. Vehicles switched off when not in use
CASE 521G – Loading Shovel	Movement of waste around site.	Medium - Predicted to have a contribution of 37dB at ESR1	Ensure plant is maintained in good working order, including noise control measures. There will be no use of single or multi pitch reversing beepers. Vehicles switched off when not in use

Table 1: Noise Risk Assessment			
Source	Nature of Noise	Contribution to Emissions	Mitigation Measures
CAT 980 – Loading Shovel	Movement of waste around site.	High - Predicted to be higher than background at ESR1, with a contribution of 41dB	Ensure plant is maintained in good working order, including noise control measures. There will be no use of single or multi pitch reversing beepers. Vehicles switched off when not in use
Terex Screener	Unlikely to be perceptible	Low – Predicted to have a contribution of 27dB at ESR1	Ensure plant is maintained in good working order, including noise control measures.
Terex Aggresand 206	Unlikely to be perceptible	Low – Predicted to have a contribution of 27dB at ESR1	Ensure plant is maintained in good working order, including noise control measures.
4026 Conveyor x5	Movement of waste into stockpiles	Medium – Predicted to have a contribution of 30dB at ESR1	Ensure plant is maintained in good working order, including noise control measures.
Powerscrub 200	Unlikely to be perceptible	Low – Predicted to have a contribution of 24dB at ESR1	Ensure plant is maintained in good working order, including noise control measures.
JCB Telehandler	Unlikely to be perceptible	Low – Predicted to have a contribution of 17dB at ESR1	Ensure plant is maintained in good working order, including noise control measures. There will be no use of single or multi pitch reversing beepers. Vehicles switched off when not in use

2.2 Noise Control Measures

2.2.1 Best achievable techniques (BAT) shall be used during the site operations to minimise levels of noise beyond the site boundary. The use of BAT to control emissions constitutes a ground of defence against charges that a nuisance is being caused under Part III of the Control of Pollution Act 1974 or Part III of the Environmental Protection Act 1990 and should always be applied.

2.2.2 The following general mitigation measures have been suggested to reduce noise and levels as far as reasonably practical:

- Plant or equipment liable to create noise will be located away from sensitive receptors. Temporary screens or barriers may be employed;

- Plant and equipment will be maintained in good working order, including noise control measures;
- Quieter operational methods and techniques will be used when possible;
- Equipment with low noise emissions will be used. For example, electrically powered plant, equipment and tools will be preferred over diesel or petrol-driven;
- Machines not in use will be shut down or throttled down to a minimum;
- The avoidance of two noisy operations occurring simultaneously in close proximity to the same sensitive receptor;
- Adequate lubrication to all plant will be provided to control unnecessary noise and silencers will be fitted to applicable plant;
- Plant under the direct control of the operators which operate at the site shall only use non-intrusive broadband and/or vehicle noise alarms and/or reversing cameras. On such vehicles, there shall be no use of single or multi pitch reversing beepers;
- Training and Toolbox Talks regarding noise will be carried out for onsite employees;
- Avoid unnecessary revving of engines and equipment is switched off when not in use;
- Keep site routes well maintained and avoid steep gradients;
- Minimise drop heights of materials; and
- Any generators on site will be enclosed in a suitable acoustic enclosure.

2.2.3 The general mitigation measures stated above should be introduced at commencement of operational activities.

2.2.4 Environmental monitoring during site operations at the site will be carried out if the Environment Agency (EA) requests it.

3 NOISE MONITING SCHEME

3.1.1 A noise monitoring scheme has been prepared for monitoring at sensitive receptors.

The reasons that onsite monitoring may be required include:

- Receiving a considerable noise complaint;
- The may request onsite monitoring;
- An EA Permit may require compliance monitoring; and
- Additional or change to noise sources on site.

3.1.2 The noise monitoring scheme should be agreed with the EA prior to commencement of operations. This could include permanent noise meters in place, or spot checks at the relevant monitoring location.

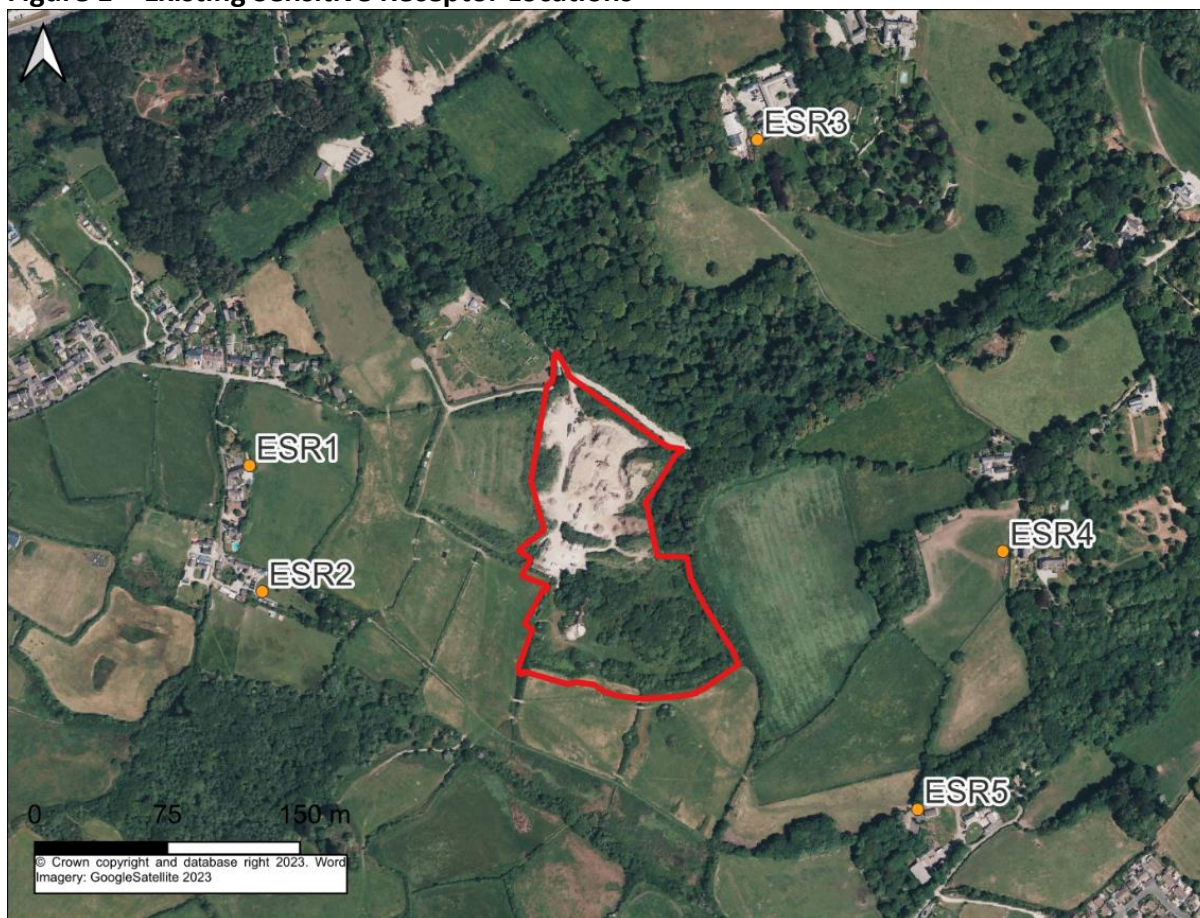
3.1.3 Occupants/residents of nearby properties are a key receptor, and landowners are therefore incentivised to guard against the contractors causing uncontrolled noise wherever possible.

3.2 Noise Sensitive Receptors

3.2.1 The ESRs likely to be impacted by the site activities are detailed in **Table 2** and presented in **Figure 1**.

Table 2: Noise Survey Locations					
Receptor	Location	Grid Co-ordinates		Bearing from Site	Approximate Distance from the proposed site boundary to the receptor, m
		Easting	Northing		
ESR1	Houses at Treskerby	171782	43286	West	320
ESR2	Treskerby House / Hunters Lodge	171803	43142	West	280
ESR3	Bryher House	172317	43651	North	315
ESR4	Fourburrow Cottage / Fourburrow House	172641	43197	East	370
ESR5	Kennel Cottage	172548	42930	South-East	260

Figure 1 – Existing Sensitive Receptor Locations



3.3 Noise Survey Methodology

- 3.3.1 To avoid adverse impacts at ESRs operational sound levels should be equal to or below existing background sound levels
- 3.3.2 Broadband, A-weighted noise levels and spectral data will be measured at each location for detailed analysis at the design stage. The methodology and equipment used for this assessment will be in accordance with the specifications given in BS7445-1¹.
- 3.3.3 The noise levels shall be measured using Class 1 integrating sound level meters and the equipment will be calibrated before and after each measurement period. Measurements should have the microphone mounted vertically on a tripod at 1.5m above ground and at least 3.5 m from other reflective surfaces.
- 3.3.4 Measurements will be made at the time when appropriate and conducive weather conditions are present. A weather station will be present during noise monitoring.

¹ BS 7445-1:2003 Description and measurement of environmental noise - Guide to quantities and procedures

3.3.5 Noise monitoring results will be retained for the duration of the site operations and made available to the EA and on request.

4 NON-COMPLIANCE AND COMPLAINTS PROCEDURE

4.1.1 In the event of the noise limits being exceeded or an external complaint being received regarding noise disturbance from the onsite operations, an investigation will be conducted to identify the reason for the exceedance/complaint.

4.1.2 The EA will be notified about the exceedance/complaint. An investigation will be carried out with the aim of identifying and stopping the activities that are leading to the exceedances/complaints. Remedial action will be recommended when required.

4.1.3 The site operators will be prepared to stop activities until effective controls are in place.

4.1.4 The complaints log shall be made available to the EA on request. This complaints log will include details of the complainant's address and contact details, the nature of the complaint and any action taken.

5 EMERGENCY RESPONSE

5.1.1 This section details the procedure in place to deal with an emergency or incident which may result in a significant amount of noise pollution.

5.1.2 If equipment and/or plant has had a breakdown where an unacceptable amount of noise is produced, the general mitigation stated in section 2.3 should be used, in addition to the following controls.

- Equipment producing excessive noise should be removed and replaced;
- The EA should be informed of the incident and updated regularly during remedial works; and
- Noise monitoring will be undertaken to ensure sound levels are compliant with permit requirements.

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