

SIMS GROUP UK LIMITED, RONDIN ROAD, MANCHESTER, M12 6BF

Noise Management Plan

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NOISE MANAGEMENT PLAN

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1 INTRODUCTION

- 1.1 The RPS Acoustics Team has been commissioned by Sims Group UK Limited (Sims) to provide a Noise Management Plan (NMP) for the recycling facility located site located on Rondin Road, Manchester. It is located within the administrative boundaries of Greater Manchester.
- 1.2 It is understood that the existing Standard Rules Permit EPR/EB3803ME is to be varied to a bespoke waste activity permit that allows the operation of an Authorised Treatment Facility (ATF) for the depollution of End of Life Vehicles (ELVs) and the storage of Waste Electrical and Electronic Equipment (WEEE), in addition to the existing Materials Recovery Facilities (MRF).
- 1.3 The purpose of this noise management plan is to outline potential noise sources, their impacts, and best practice measures to be employed during operation with the aim of ensuring noise emissions are controlled and potential adverse impacts are avoided.
- 1.4 A noise impact assessment (NIA) report with reference 794-ENV-EPC-21048-ACO has been produced to assess the potential impacts due to noise from the facility on the local noise sensitive receptors (NSRs). The noise impact assessment was undertaken in accordance with the guidance contained within BS4142:2014+A1:2019 '*Methods for Rating and Assessing Industrial and Commercial Sound*'.
- 1.5 RPS is a member of the Association of Noise Consultants (ANC), the representative body for acoustics consultancies, having demonstrated the necessary professional and technical competence. This report has been prepared with integrity, objectivity, and honesty in accordance with the Code of Conduct of the Institute of Acoustics (IOA) and ethically, professionally, and lawfully in accordance with the Code of Ethics of the ANC.
- 1.6 The technical content of this NMP has been prepared by RPS personnel, all of whom are members of the IOA (the UK's professional body for those working in acoustics, noise and vibration) at various grades. Personnel and individual qualifications are provided within the Document Status Table at the start of this report. This report has been peer reviewed within the RPS team to ensure that it is technically robust and meets the requirements of our Integrated Management System (IMS).

2 SITE DESCRIPTION

- 2.1 The site is located on Rondin Road, Ardwick, Manchester, M12 6BF, approximately 220 m south of Ashton Old Road. The site location is shown on Figure A-1 in Appendix A.
- 2.2 The topography of the area is predominately flat with the exception of the train line to the south of the site which is on an embankment.
- 2.3 The site operates between 08:00 and 17:00 Monday to Friday, and 09:00 to 12:00 on Saturdays. There is no Sunday operation.
- 2.4 The closest existing noise sensitive receptor (NSR) has been identified as 137 Anthony Close, Manchester M12 5ED, approximately 120 m to the southeast of the site boundary, separated by scrubland and railway tracks on a raised embankment.
- 2.5 The disused Olympic Freight site immediately to the west of Anthony Close is currently under construction by Kellen Homes. The Kellen Homes development comprises 272 dwellings known as The Gateway. When construction is complete, these will also be considered NSRs.
- 2.6 The closest sensitive existing and future NSRs are listed in Table 2-1 below, including OS Grid References.
- 2.7 NSRs E, F and G are to the north of the site, separated by the A635 and therefore considered less likely to be affected by noise from the site than receptors A, B, C and D.

Table 2-1: Nearby Noise Sensitive Receptors

Receptor	OS Grid Reference	Approximate distance from site boundary (m)	Intervening ground description
A – 137 Anthony Close	SJ8629497154	120	Scrub and raised railway embankment
B – 80 The Gateway	SJ8617397125	120	Scrub, raised railway embankment and hardstanding
C – 112 The Gateway	SJ8604797119	160	
D – 48 The Gateway	SJ8631097083	190	
E – 40 Paxton Place	SJ8618897645	270	Hardstanding and scrub with a raised, pierced railway viaduct and bituminous roadway
F – 35 Paxton Place	SJ8624197652	280	
G – 35 Wren Way	SJ8630097626	270	Hardstanding, broken ground with raised earthworks and scrub with a raised, pierced railway viaduct and bituminous roadway

2.2 Site Activities

- 2.2.1 The existing site is a metal recycling plant that is proposed to expand its operation to facilitate recycling of ELVs.
- 2.2.2 The current site activities include:
 - Unloading lorry deliveries of scrap metal;
 - Metal processing; and
 - Loading lorries with scrap metal.
- 2.2.3 In addition to the above site activities, proposed activities include:
 - End of Life Vehicles (ELV) facility - three depollution rigs and a forklift to move vehicles to storage area.
- 2.2.4 The proposed activity in 2.2.3 above will introduce new industrial noise sources to the local area.
- 2.2.5 It was established from the site visit and the assessment undertaken that the most dominant noise sources associated with the facility operation are the following activities:

- Grabber loading press and pressing;
- Grabber loading vertical container; and
- Lorry tipping load.

2.2.6 As part of the NIA, various on-site plant and activities were identified. A table listing these with their associated sound power levels and percentage on-times is presented in Appendix B.

3 MANAGEMENT DECLARATION

- 3.1 The management team and staff at Sims Metal Manchester (Sims) understand and accept their responsibilities for controlling noise impact and undertake to regularly review the effectiveness of this Noise Management Plan.
- 3.2 Sims commit to ensure that all staff and any contractors or subcontractors will make sure that any noise control measures is designed, operated and maintained appropriately so it controls noise effectively at all times.

Risk of Adverse Effects

- 3.3 Under normal operating conditions, the NIA has assessed the risk of adverse impact to nearby NSRs to be low.
- 3.4 The handling of 'train wheels' has been subjectively noted as the noisier of the scrap materials processed. Sims have introduced control procedures whereby operations involving train wheels are only undertaken during weekday afternoons, thereby minimising potential for adverse noise effects on NSRs.
- 3.5 There is a slight increased risk of adverse impact caused by accident or equipment failure. Actions in response to these circumstances are addressed in Section 4.5.
- 3.6 Adverse weather conditions are assessed to be unlikely to cause an increase in adverse effects due to their temporary nature and the attendant increase in residual sound level.

4 NOISE CONTROL MEASURES

4.1 Management Procedures

- 4.1.1 Sims contact details will be made readily available to neighbouring residents. Neighbours will be encouraged to contact site directly to discuss any concerns they may have. Manchester City Council (the Local Authority) / the Environment Agency (EA) are authorised to advise any complainants of this fact and provide Sims contact details.
- 4.1.2 The site office contact details (postal address and telephone number) will be made available on the site identification board at the site entrance, the Sims company website and business listing services, and internet search engines.
- 4.1.3 Any complaints received direct to site or via the EA or MCC will be recorded in the 'Site Diary' or complaints log, investigated and responded to.
- 4.1.4 Sims will undertake proactive and responsive communications with third party hauliers / site users, which will include information about restricted times for delivery and collections and asks for consideration of the neighbours when accessing and egressing site.
- 4.1.5 Noise awareness signs will be visible in the weighbridge and in the Material Scrap Handler (MSH) cabs.
- 4.1.6 In line with company policy, the Manchester site will operate a 'stockpile management plan' that takes into consideration Health and Safety legislation and procedures and environmental permitting, drawing attention to the risk of falling material. This facilitates the effective management of scrap material and unnecessary handling / double handling of scrap is avoided wherever possible.
- 4.1.7 Control and monitoring of waste acceptance procedures will ensure wastes likely to cause explosions are minimised through signage, inspection of paperwork and inspection of loads at numerous points during acceptance, storage handling and processing. Any waste with explosion potential will be removed to the quarantine area.
- 4.1.8 Significant changes to operational practices will be subject to both discussions and investigation to assess their potential impact on the noise environment. Operational changes are defined as a significant change to plant type, a change to storage / treatment location of waste or a significant change to waste handling procedure.

4.2 Materials Handling

- 4.2.1 Drop heights, the distance between the grab and the stockpile, will be kept to the practical minimum in line with company best practice (i.e. grab will lower materials onto stockpiles and into containers). Casting will be prohibited and piles stacked securely to prevent falling loose material.
- 4.2.2 When moving grab loads of material around site, operators will ensure that the grab only collects enough material that can be easily contained within the grab as material is transported around the site. This will reduce the likelihood that material is dropped and generates additional noise.

4.3 Plant / Equipment / Vehicles

- 4.3.1 All plant within the control of Sims Group UK Limited and subcontractors will be to 'industrial standard' as used in the material handling sectors and will be inspected and maintained to manufacturers' specification.
- 4.3.2 360 Material Handler and Site Fork Lift Trucks (FLT's) will be fitted with broadband (white noise) reversing alarms to eliminate any noise associated with conventional safety alert systems.
- 4.3.3 Revving of engines will be kept to an operational minimum and idling plant will be switched off when not in use, where practicable.

4.4 General Maintenance

- 4.4.1 Faulty or poorly maintained equipment could give rise to excessive noise, e.g. a poorly lubricated hydraulic ram could screech. All items of plant and equipment will be subject to a strict maintenance routine, in accordance with the manufacturers' guidelines, to ensure that they are free from mechanical and/or electrical faults, which could give rise to excessive noise levels.
- 4.4.2 All items of plant and equipment will be subject to routine inspection to ensure that:
- they are in a good state of repair; and
 - that all maintenance and repairs are being undertaken by a suitably trained or appropriately qualified person.
- 4.4.3 All inspection and testing will be recorded.

4.5 Monitoring

- 4.5.1 Noise will be controlled through the on-going monitoring of site operations by the site management team.
- 4.5.2 Daily site observations will be conducted by site management and verbal reminders of best practice provided at the time if operational procedures are not in accordance with best practice. Observations with regard to the working environment will be recorded in the Site Diary.
- 4.5.3 Staff will be sensitive to any plant or activity producing higher levels than typical, perhaps as the result of abnormal situations such as accident or equipment failure.
- 4.5.4 Any event of excess of noise levels requiring a response will be recorded in the site diary / management system, noting any remedial action taken.
- 4.5.5 Adverse weather conditions may cause an increase in noise level at the closest NSRs, depending on wind direction. This is unlikely to cause a significant loss of amenity, however, due to the temporary nature of the weather and the attendant increase in residual sound level from wind in trees, rain, etc.

4.6 Training

- 4.6.1 All employees will be comprehensively trained in the use of the plant and machinery associated with the loading, handling and treatment activities.
- 4.6.2 The Noise Management Plan (NMP) will be issued to the Manchester site operatives and will be available in the weighbridge to all Sims employees for reference.
- 4.6.3 Tool Box Talks (TBT) will be used to communicate the policies and plans and are a record of training.
- 4.6.4 All relevant Sims Metal Management employees and contractors are to be made aware of the details of this NMP.
- 4.6.5 Operational feedback will be communicated to site employees at regular EHS meetings if earlier notice or discussion is not required.

4.7 Summary

- 4.7.1 The following available techniques will be applied in order to minimise noise emissions from the Sims facility:
- Management Procedures;
 - Operational practices (i.e. materials handling, and Plant / Equipment / Vehicles used);
 - Ongoing general maintenance;
 - Ongoing noise and vibration monitoring; and

- Ongoing training and TBTs.

4.7.2 Through the application of these techniques (and with reference to Section 5), noise emissions from plant / equipment used in the operation of the Facility will result in impacts above the 'Lowest Observed Adverse Effect Level' (LOAEL), but below the 'Significant Observed Adverse Effect Level' (SOAEL).

4.7.3 Consequently, although some adverse noise impacts may occur during 'worst case' periods, operation of the Sims facility is compliant, in respect of BAT and noise emissions, with the Environmental Permitting (England and Wales) Regulations 2016.

5 COMPLAINTS PROCEDURE

- 5.1.1 As determined in the noise impact assessment report, noise emissions from the Sims facility would be of a magnitude unlikely to result in adverse noise effect and/or give reasonable cause for annoyance. Nevertheless, in the event of plant items developing faults, handling of materials or similar, noise emissions may increase such that noise complaints are raised by local residents.
- 5.1.2 In the event of noise complaint being received by, either by local residents or regulators, an investigation shall be undertaken without unreasonable delay, to confirm that noise from the Sims facility does not give rise to significant levels of noise at nearby residential NSRs.
- 5.1.3 The noise complaint investigation procedure (NCIP) to be followed is set out within Appendix C.
- 5.1.4 The NCIP will be followed to ensure that appropriate action is taken to identify and resolve the cause of the complaint.
- 5.1.5 Where site staff are unable to complete investigations to an appropriate technical level, a competent person (i.e. qualified educationally in acoustics or one with an appropriate period of experience in acoustics in lieu of such qualification and who is a member of the IOA) shall investigate the cause of the complaint and recommend remedial action.
- 5.1.6 Following completion of the NCIP the following actions shall be undertaken:
- where the NCIP identifies that the complaint is not justified, Sims operators will liaise with regulators to discuss findings;
 - where the NCIP identifies that the complaint is justified and applicable to Sims operations, and identifies further BAT to apply at the Sims facility, Sims will liaise with regulators to agree timescales for implementation; and
 - where NCIP identifies that complaint is justified, but the Sims facility is operating according to BAT, Sims will liaise with regulators to discuss findings.

6 STAFF TRAINING

6.1 Training

- 6.1.1 For this NMP to be effective, staff working at the facility as well as sub-contractors and any other on-site personnel must be made aware of the potential to cause adverse noise impacts by the operation of the facility as well as the sensitivity of the nearby NSRs.
- 6.1.2 To achieve this awareness, the induction and routine training of responsible personnel must include an understanding of this NMP, and in particular, how their job role relates to the prevention of noise which is capable of causing a nuisance or disturbance.
- 6.1.3 All management staff will be required to have ready access to this document and be familiar with its provisions.
- 6.1.4 On completion of that induction and/or training, the personnel concerned must sign-off their understanding in their staff record.

7 REVIEW PROCEDURE

- 7.1.1 A review of this policy document will be triggered following any of these circumstances:
- A substantiated complaint of noise from a resident which may recur;
 - A request from an Officer of the Environmental Health Department of MCC, or the EA; and
 - A material alteration to the layout or a change of use to any part of the facility.
- 7.1.2 A review may include, as appropriate, a quantified assessment of any identifiable noise source which has triggered the review and may also include measures in mitigation (either structural or procedural) which will be effective in controlling noise escape to avoid nuisance or disturbance.
- 7.1.3 This document shall be updated accordingly and circulated to the responsible personnel at the facility and the Environment Agency.

Appendix A

Figures

REPORT

Figure A-1: Development Site and Measurement Locations



<p>Key:</p> <p>— Site Boundary</p>	
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<p>Date: 20/05/2024 Rev: 0</p>	
<p>Drawn: YY Checked:</p>	
<p>Appendix A: Figures</p>	
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Appendix B

Tables

Table A-1: On-site Plant Information

Plant	Broadband SWL (dB L _{WA})	Daily Occurrence or On-time %
Existing Plant		
Mobile shear baler	106	75%
360 Metal handler (grabber) Number 1	108	95%
360 Metal handler (grabber) Number 2	108	60%
Teletruk Number 1	96	60%
Teletruk Number 2	96	60%
Counterbalance forklift – fork Number 1	91	60%
Counterbalance forklift – fork Number 2	91	60%
Counterbalance forklift – clamp	96	70%
Skid Steer (bobcat) Number 1	98	80%
Skid Steer (bobcat) Number 2	98	10%
Container tilter	104	4 times per day 30-minute cycle
Existing Activity		
Grabber loading press and pressing	109	100%
Grabber loading vertical container	107	50%
Unloading truck load with fork clamp	96	80%
Lorry tipping load	110	40%
Variety of forklifts unloading truck	94	20%
Proposed Plant		
Drill	109	5-10 seconds for each new ELV
Decontamination pumps	88	100%

Noise Complaint Procedure

