

## NOISE MANAGEMENT ADVICE – A1 SERVICES, MANCHESTER

REPORT REFERENCE NO. J004857-7881-RDC-03

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## Document Control Sheet

Details of Assessment	
Client	A1 Services (Manchester) Ltd
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Issue	Date	Author	Remark	Status
01	12/06/2024	Richard Cookson	Initial Issue	
02	8/07/2024	Richard Cookson	Reviewed with respect to new wash plant and increased throughput	
03	9/09/2024	Richard Cookson	Reference and append full complaints procedure and monitoring checklist	

	Name	Position
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*This report has been prepared based upon a scope of works and associated resources agreed between the client and Philip Dunbavin Acoustics Ltd (PDA). This report has been prepared with all reasonable skill, care and diligence and has been based upon the interpretation of data collected. This has been accepted in good*



*faith as being accurate and valid at the time of the collection. This report has been based solely on the specific design assumptions and criteria stated herein.*



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## 1.0 INTRODUCTION

This Outline Noise Management Plan has been produced on behalf of A1 Services (Manchester) Ltd, Overman Way, Swinton, Manchester.

The Noise Management advice has been informed from a noise impact assessment carried out in and reported in PDA report J004857-7937-RDC-1 dated 06/07/2024.

It is considered that compliance with this advice in the form of a Noise Management Plan represents best practicable means for minimising noise associated with the operation of the aggregate processing / recycling site.

## 2.0 SITE DETAILS

The A1 Services site is a sand and aggregate supply, processing and recycling site. The site is located on the Agecroft Commerce Park on a long strip of land running adjacent to the Manchester – Bolton railway line, and at the southern end of the site, between the Manchester – Bolton railway line and the Manchester – Wigan railway line. The northern end of the site is largely surrounded by other commercial and industrial uses, whilst the southern end of the site has the Manchester – Bolton railway line to the east and a wooded area to the west with the Wigan – Bolton railway line and houses off Duchy Road beyond these.

## 3.0 NOISE SOURCES

The main noise sources associated with the site are:

- Operation of crusher and dry screen, crushing waste materials to form reusable aggregates
- Operation of concrete plant to produce concrete barrier blocks incorporating recycled materials
- Proposed operation of permanent wash plant, to wash and grade waste materials into soils and aggregates for re-use
- HGV movements of trucks delivering waste material and removing processed materials
- Operation of excavators and loading shovels, moving sand and aggregates on-site.

## 4.0 NOISE CONTROL MEASURES

The Noise Impact Assessment report J004857-7937-RDC-1 dated 06/07/2024 indicates that noise levels from the site are below the onset level of adverse impacts at the nearest noise sensitive receptors off Duchy Road, Pevensey Road and Langley Road. Hence no immediate action is required to mitigate the noise from the site, however the site management have a responsibility to ensure that nuisances are avoided and that emissions from the site (including noise) are minimised. As such we would recommend the following measures are implemented:

### 4.1 Maintenance

It should be ensured that all plant and equipment is regularly maintained to ensure that it does not produce excessive noise.

Any maintenance work which itself has potential to produce noise should only be undertaken in the normal operating hours of the site.



## 4.2 Vehicle Movements

Use of horns on vehicles should be minimised. Site roads should be well maintained and the site speed limit should be enforced. Loud vehicle radios should not be permitted. Reversing / movement alarms should only be used when essential for safety with variable sound level alarms preferred so that alarm sound level tracks background sound. With the large number of lorries delivering materials to the site (particularly with the increased throughput proposed) the paths taken by lorries around the site will need to be planned and clearly marked to avoid bottlenecks which might result in the use of horns etc and to control the flow of vehicles.

## 4.3 New Plant

When purchasing new plant and equipment the noise of the new plant should be considered and if necessary a revised assessment of the noise impact of the site should be carried out to ensure that noise levels are not excessive at the nearest noise sensitive properties. Where possible new plant should be quieter than any plant it replaces and the site management have a duty to use new technologies as they become available to minimise the noise emissions from the site. Where necessary local shielding of noisy items of plant using barriers should be considered.

## 5.0 COMPLAINTS

Neighbouring land owners and nearby noise sensitive premises such as houses and schools are likely to be the most sensitive receptors to noise from the site. Good relationships with neighbouring property owners and businesses are essential to anticipate potential problems and avoid them.

Site management should ensure that neighbouring property owners (including the nearest houses which may be some distance from the site) know how to contact the site if they consider noise to be a problem and there should be a designated contact on site at all times who's responsibilities includes taking action on any reported noise complaints.

Any complaints and the actions taken to address them should be recorded and the records retained. If a complaint relates to an activity which is currently occurring the complaint should be investigated immediately and if necessary the process should be halted until the noise problem has been mitigated.

Complaints may be investigated initially by visiting complainants property and listening for excessive noise from the site. Additionally wind direction and speed, activities occurring on site and any activities on any neighbouring sites which may be related to the complaint should be recorded. The full complaints procedure is contained in Appendix A.

If initial investigations are unable to resolve a complaint a full investigation by a professional acoustician should be carried out and action taken to mitigate the noise egress to the complainant's property.

## 6.0 MONITORING

Monitoring by listening and noting perceived noise levels at the site boundaries and close to nearby noise sensitive properties should be carried out regularly by site managers. The monitoring procedure is contained in Appendix B.

More extensive monitoring measurements and noise impact assessments should be carried out periodically to ensure that noise levels are remaining within acceptable levels. In particular noise monitoring should be carried out:

- When new plant is commissioned or the site layout is changed.
- Following any complaint of noise from the site which cannot be resolved following initial investigation



- Following any change in the materials processed by the site.

## 7.0 TRAINING

All staff at the site should be made aware of the need to be constantly vigilant regarding the control and management of site noise. Staff should be aware of:

- Their responsibilities with regard to avoiding excessive noise and reducing noise emissions to a minimum.
- What they should do to report potential noise issues where an abnormal condition occurs which may result in increased noise emissions.

## 8.0 REVIEW

The above advice should be incorporated within a Noise Management Plan for the site, with specific managers responsibilities for the control of noise emissions detailed, including contact details in case of complaint and procedures for recording complaints etc.

The Noise Management Plan should be regularly reviewed and updated if necessary. We would recommend that this is carried out as a minimum once every four years.

APPENDIX A  
**COMPLAINTS PROCEDURE**

**Reporting of Complaints**

Any complaints relating to the site will be recorded in the site diary as detailed in the EMS.

All complaints received will be recorded and investigated by the AM. A response will be reported back to the complainant.

A record of incidents, accidents or non-conformances will be kept including the following information:

- Date and time of incident
- What happened
- What caused it
- Details of any contamination
- Who was involved
- What action was taken
- Were external agencies involved
- Any changes that have been made to the procedures/ EMS to ensure the incident does not reoccur

**Management Responsibilities**

The responsibility of handling complaints is with the AM with support from a senior manager. Incidents are investigated by the AM whereby rectifying action is determined.

**Community Liaison**

Liaison with immediate neighbours is undertaken by phone call or by visiting in person.

A community liaison group will be established if liaison with the wider community is required.

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## APPENDIX B

### NOISE MONITORING PROCEDURE

1. A daily site inspection will be carried out by the appointed manager which will consist of a walk around the site boundary, pausing and listening at processing areas close to noisy plant, in particular the dry crushing/screening area and the wash plant area.
  2. The inspection results will be recorded in the site diary including a record of the following information:
    - date and time of inspection
    - fixed plant in use at the time of the inspection
    - mobile plant in use
    - type of noise encountered eg. steady or intermittent, pitch of the noise eg. low/rumbling or high pitched
    - whether noise was considered typical or if it was unusual and could cause annoyance
    - whether further investigation is required
  3. If increased or unfamiliar noise was encountered this will be actioned to be investigated immediately and the results will be recorded in the site diary including any action taken to reduce noise.
  4. All fixed plant and mobile plant is checked on start up by the operators and any defects, including noise generation, are recorded and reported. Rectifying action is recorded in the site diary.
  5. Qualitative noise monitoring will be carried out annually by a specialist noise consultant. The results will be compared to predicted noise levels in the noise impact assessment.
  6. If noise has significantly increased on what was predicted then a review of mitigation measures will be carried out and changes instigated.
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