



Armstrong House
3 Bassett Avenue
Southampton
SO16 7DP

T: 023 8155 5000
E: info@24acoustics.co.uk

**PROPOSED WASTE RECYCLING CENTRE,
SOMERSET BRIDGE, BRIDGEWATER**

NOISE MANAGEMENT PLAN

Technical Report: R11399-2 Rev 0

Date: 27 February 2026

For: ETM Recycling Ltd
77-81 Hartcliffe Way
Bristol
BS3 5RN

24 Acoustics Document Control Sheet

Project Title: Proposed Waste Recycling Centre, Somerset Bridge, Bridgewater
Noise Management Plan

Report Ref: R11399-2 Rev 0

Date: 18th December 2025

	Name	Position	Signature	Date
Prepared by	Reuben Peckham BEng MPhil CEng MIOA	Principal Consultant		27/2/2026
Checked by	Steve Gosling BEng MIOA	Principal Consultant		27/2/2026
Approved by	Steve Gosling BEng MIOA	Principal Consultant		27/2/2026
For and on behalf of 24 Acoustics Ltd				

Document Status and Approval Schedule

Revision	Description	Prepared By	Checked By	Approved By
0	Approved for Issue	Reuben Peckham	Steve Gosling	Steve Gosling

DISCLAIMER

This report was completed by 24 Acoustics Ltd on the basis of a defined programme of work and terms and conditions agreed with the Client. The report has been prepared with all reasonable skill, care and diligence within the terms of the Contract with the Client and taking into account the project objectives, the agreed scope of works, prevailing site conditions and the degree of manpower and resources allocated to the project.

24 Acoustics Ltd accepts no responsibility whatsoever, following the issue of the report, for any matters arising outside the agreed scope of the works.

This report is issued in confidence to the Client and 24 Acoustics Ltd has no responsibility of whatsoever nature to third parties to whom this report or any part thereof is made known. Any such party relies upon the report at their own risk.

Unless specifically assigned or transferred within the terms of the agreement, 24 Acoustics Ltd retains all copyright and other intellectual property rights, on and over the report and its contents.

© 24 Acoustics Ltd 2026

CONTENTS	PAGE
1.0 INTRODUCTION	4
2.0 RECEPTORS	5
3.0 NOISE SOURCES AND PROCESSES	6
4.0 CONTROL MEASURES AND PROCESS MONITORING	6
5.0 COMPLAINTS REPORTING	8

1.0 INTRODUCTION

Site Description

- 1.1 The site is located off Somerset Bridge in Bridgewater, Somerset and will become a waste recycling centre. The first phase (to which this NMP relates) will be the operation of a soil wash works. Soil and inert waste will be improved by HGV, processed, washed and screened prior to being stockpiled and distributed onwards.
- 1.2 The site is located in a primarily industrial and commercial area. The M5 motorway is located adjacent to the south-eastern site boundary and is the dominant source of ambient noise in the area. The nearest residential properties are 1 & 2 Canal Cottages which neighbour the site on the south-western boundary, 3 Canal Cottages is located to the south (on the opposite side of the M5 motorway) and houses located off Somerset Bridge are located to the north of the site.
- 1.3 It is proposed that the site will operate on a 24/7 continuous basis. There will be reduced need for mobile plant at night, however, and just a single loader will operate during the night time hours.
- 1.4 The operations will utilise the following plant:
- New wash plant (precise make and model to be decided);
 - 2* Slew telehandler;
 - * Loading shovels
 - HGV movements- typically between 200 and 300 per day.

Maintenance and Review of the NMP

- 1.5 The ETM site manager will be responsible for this NMP and ensuring that all staff are appropriately trained and aware of its requirements.
- 1.6 The NMP will be stored in physical hardcopy within the site office and will be available for all personnel to read and review as necessary.
- 1.7 The plan will be reviewed and updated when necessary on an annual basis.
- 1.8 All staff working on the site will be made aware of the NMP and its contents as part of their initial start induction and thereafter during regular training sessions (no less than once per year).

- 1.9 A site log book will be retained by the site manager and will record the following information:
- Dates and times of crushing, screening, washing and sorting activities;
 - Records of contact and correspondence with stakeholders (local residents and the local authority) regarding noise;
 - Records of days when noise surveys are undertaken.
- 1.10 The log book will be made available to the Environment Agency on request.

Relevant Sector Guidance on which this NMP is Based

- 1.11 This NMP has been written with reference to the following technical reports and guidance:
- noise impact assessment for the site (24 Acoustics Ltd technical report Reference R11399-1 Rev 0);
 - British Standard 4142:2014+A1:2019 Methods for rating and assessing commercial and industrial sound;
 - Noise and vibration management: environmental permits, Environment Agency January 2022

2.0 RECEPTORS

- 2.1 Table 1 below lists the receptors closest to the site.

Receptor		Land Use	Direction from Site	Approx Distance to Site Boundary
Reference	Name			
A	Somerset Bridge	Residential	North	33 m
B	1&2 Canal Cottages	Residential	South-west	8 m
C	3 Canal Cottages	Residential	South	70 m

Table 1: Receptor List

- 2.2 Figure 1 overleaf provides an aerial image showing the location of the receptors.

3.0 NOISE SOURCES AND PROCESSES

Noise Impact Assessment Conclusion

- 3.1 The site and neighbouring receptors are subject to relatively high levels of background noise due to the close proximity of the M5 motorway. As a result a low noise impact (subject to context) as defined in BS 4142:2014+A1:2019 is anticipated at all receptors during the day and at night.

Noise Sources

- 3.2 Table 2 lists the noise sources and estimates of their noise level.

Noise Source	Sound Power Level,	Op Conditions Additional Comments
Wash Plant	111 dB L_{Aw}	Large plant- cannot specify L_p at a defined distance
Slew Telehandler	107 dB L_{Aw}	2 slew telehandlers
Loading Shovel	99 dB L_{Aw}	2 loading shovels
HGV Movements	85 dB L_{Aw}	200- 300/ day

Table 2: Description of Noise Emitting Processes

Overview of Noise Processes and Emissions

- 3.3 Soil and inert waste will be imported by HGV, processed, washed and screened prior to being stockpiled and distributed onwards. At night the wash plant and a single loader only will operate.

4.0 CONTROL MEASURES AND PROCESS MONITORING

Appropriate Measures/ Best Available Techniques (BAT)

- 4.1 Table 3 below describes the actions and procedures in place to achieve appropriate measures/ best available techniques.

Noise-producing activity	Operational Hours/ Days	Control Measures	Contribution to overall impact	Action taken if outside optimum process parameters
Wash plant	24 hrs/ 7 days	Located adjacent to M5 motorway	Medium	Cease operation & investigate reasons for elevated noise levels
HGV movements	07:00- 19:00 Mon- Friday	Driver training, engines not left idling, horns only in safety critical situations, white noise reversing alarms	Medium	
Loader activity	07:00- 23:00/ 7 days 1 loader at night only		Medium	

Table 3: Actions and Procedures Which Will be in Place to Achieve Appropriate Measures/ BAT

Onsite Monitoring Procedures

- 4.2 Table 4 below describes the onsite processes which will ensure that noise impacts do not increase on site over time.

Description of Procedure	Procedure	When will this be carried out	Corrective Action
Replacing old/ faulty equipment	Procurement of new equipment	When equipment requires replacing	Replace equipment that have sound levels which are equivalent or lower levels compared to existing
Checking noise barriers	Visual inspection of barriers to ensure no gaps/ holes	Monthly	Repair the barriers if holes or gaps are found
Maintenance of plant and machinery	Check for worn belts, drives, acoustic enclosures etc.	Weekly	Repair/ replace as necessary

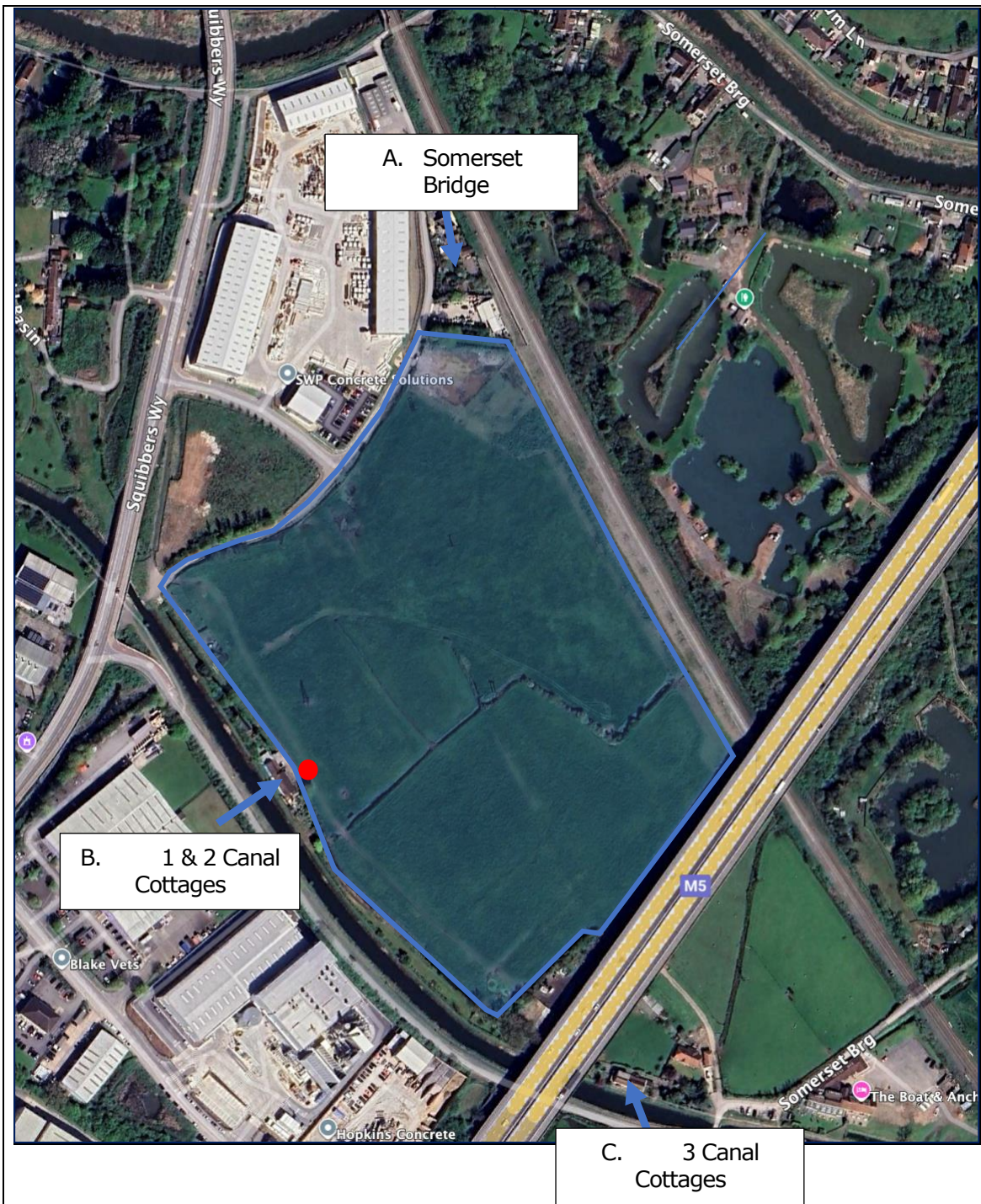
Table 4: Description of Onsite Processes to Ensure no increase in Noise on Site

Offsite Monitoring Procedures

- 4.3 The NIA indicates a low noise impact and as a result it will not be technically possible to monitor noise from the operations off site due to the influence of the ambient noise.

5.0 COMPLAINTS REPORTING

- 5.1 Should a complaint from a member of the public be received, the site manager will be responsible for recording, investigating and identifying the nature of the complaint according to the following procedure:
- The date and time of the complaint together with the complainant's location will be noted;
 - Where possible, the complaint will be acknowledged on the day of receipt;
 - In investigating the complaint the following measures will be taken:
 - An inspection of the plant in use will be made to identify any excessive noise from any particular item of plant;
 - An inspection of the location of the plant relative to the stockpile bunds will be undertaken to ensure that the receptors remain adequately screened;
 - A check of working practices;
 - The complaint will be logged in the site log book;
 - Feedback will be given to the resident within 2 working days of receipt of the complaint.
- Where necessary additional staff training will be provided to ensure compliance with the Noise Management Plan;
 - Where necessary the Noise Management Plan will be revised.



Project: Somerset Bridge, Bridgewater	Title: Site & Receptor Locations		 24Acoustics
DWG No: Figure 1	Scale: N.T.S.	Rev:	
Date: February 2026	Drawn By: RP	Job No: 11399-2	