MAKING COMPLEX EASY

A TETRA TECH COMPANY

ELLETE WASTE LIMITED

Noise Management Plan

794-ENV-EPC-20047
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Document status

Version	Purpose of document	Authored by	Reviewed by	Approved by	Review date
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Approval for issue

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1 INTRODUCTION

1.1 The RPS Acoustics Team has been commissioned by Ellete Waste Limited (Ellete Waste) to provide a Noise Management Plan (NMP) for the waste processing facility located on Mearclough Road, Sowerby Bridge.

1.2 It is understood that the existing Permit EPR/NP1699ZH is to be varied to a bespoke waste activity permit that allows the treatment of waste using a Rotary Screener, and increasing the annual throughput to 100,000 tonnes/year.

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 As part of the permitting variation works, a noise impact assessment (NIA) report (Ref: 794-ENV-EPC-20047 R0) has been prepared to assess the potential impacts due to noise from the facility on the local noise sensitive receptors (NSRs). The noise impact assessment was undertaken with the guidance contained in BS4142:2014+A1:2019 *'Methods for Rating and Assessing Industrial and Commercial Sound'*.

1.5 This NMP has been produced to incorporate the findings of the revised NIA.

1.6 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.

1.7 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 Mearclough Road, Sowersby Bridge, HX6 3LF. The site location is shown on Figure 1.

2.2 The topography of the area is hilly, with the River Calder approximately 45m to the north of the site.

2.3 The site operates between 07:30 and 18:30 Monday to Sunday.

2.4 The closest existing noise sensitive receptor (NSR) has been identified as 53 Walker Lane, Sowerby Bridge, HX6 2AR, approximately 140 m to the north of the site boundary, separated by existing industrial premises and the River Calder.

2.5 The closest identified NSRs are listed in Table 2-1 below.

Table 2-1: Nearby Noise Sensitive Receptors

NSR	Direction from site	Approximate distance from site boundary (m)	Intervening ground description
1 – 47 Holmes Road, Sowerby Bridge	West	215	Bituminous roadway and existing industrial premises
2 – 53 Walker Lane, Sowerby Bridge	North	140	Bituminous roadway, existing industrial premises and the River Calder

2.2 Site Activities

2.2.1 The existing site holds a permit for waste treatment, and is proposed to expand its operation to the use of a Rotary Screened and increasing the annual throughput. facilitate recycling of ELVs.

2.2.2 While a permit is held for waste treatment, the site is not currently operational.

2.2.3 The proposed activities include:

- HGV movements through the site;
- Unloading lorry deliveries;
- Moving waste with Mechanical Grab;
- Screening waste with Trommel;
- Front Loader moving waste throughout site and loading into Hopper; and
- Waste processing.

2.2.4 The proposed activities in 2.2.3 above will introduce new industrial noise sources to the local area.

2.2.5 It was established from the noise impact assessment (NIA) (Ref:794-ENV-EPC-20047) that the most dominant noise sources associated with the facility operation are the activities associated with the waste treatment facility.

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 A.

3 MANAGEMENT DECLARATION

3.1 The management team and staff at Ellete Waste understand and accept their responsibilities for controlling noise impact and undertake to regularly review the effectiveness of this Noise Management Plan.

3.2 Ellete Waste commit to ensure that all staff and any contractors or subcontractors will make sure that any noise control measure is designed, operated and maintained appropriately so it controls noise effectively at all times.

3.1 Risk of Adverse Effects

3.1.1 Without mitigation, under normal operating conditions, the NIA has predicted that adverse impacts are not expected at nearby NSRs, and has therefore no additional mitigation measures to control noise have been recommended.

3.1.2 However, the NIA has been carried out on the assumption that reasonable care is taken during operation which avoids instances of materials being thrown/dropped from heights.

3.1.3 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 4.6.

3.1.4 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 Mitigation

4.1.1 The NIA has found that additional noise mitigation measures are not required to control noise from the site at nearby NSRs. Noise will be sufficiently controlled through the building envelope, appropriate operation of equipment and management of the site.

4.2 Management Procedures

4.2.1 Ellete Waste 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. Calderdale Metropolitan Borough Council (the Local Authority) / the Environment Agency (EA) are authorised to advise any complainants of this fact and provide Ellete Waste contact details.

4.2.2 The site office contact details (postal address and telephone number) will be made available on the site identification board at the site entrance, the Ellete Waste company website and business listing services, and internet search engines.

4.2.3 Any complaints received direct to site or via the EA or CMBC will be recorded in the 'Site Diary' or complaints log, investigated and responded to.

4.2.4 Ellete Waste 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.

4.2.5 Noise awareness signs will be visible in the site entrance and in the Mechanical Grab cabs.

4.2.6 The 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 waste material and unnecessary handling / double handling of waste is avoided wherever possible.

4.2.7 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.

4.2.8 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.

4.3 Materials Handling

4.3.1 Drop heights, the distance between the grab and the stockpile, will be kept to the practical minimum in line with 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.

4.3.2 When moving grab loads 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.

4.4 Plant / Equipment / Vehicles

4.4.1 All plant within the control of Ellete Waste and subcontractors will be to 'industrial standard' as used in the material handling sectors and will be inspected and maintained to manufacturers' specification.

4.4.2 360 Material Handler and Site Front Loaders will be fitted with broadband (white noise) reversing alarms to eliminate any noise associated with conventional safety alert systems.

4.4.3 Revving of engines will be kept to an operational minimum and idling plant will be switched off when not in use, where practicable.

4.5 General Maintenance

4.5.1 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.

4.5.2 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.

4.5.3 All inspection and testing will be recorded.

4.6 Monitoring

4.6.1 Noise will be controlled through the on-going monitoring of site operations by the site management team.

4.6.2 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.

4.6.3 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.

4.6.4 Any event of excess of noise levels requiring a response will be recorded in the site diary / management system, noting any remedial action taken.

4.6.5 Where excess noise levels have been noted to occur repeatedly, operations at the site should cease to allow a full investigation into noise generating works. Appropriate maintenance should be carried out where required if faulty equipment is identified to be a cause of the increased noise levels.

4.6.6 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.

4.7 Summary

4.7.1 The following available techniques will be applied in order to minimise noise emissions from the Ellete Waste 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 Ellete Waste 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 Ellete Waste 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 residents.

5.1.2 In the event of noise complaint being received by, either by residents or regulators, an investigation shall be undertaken without unreasonable delay, to confirm that noise from the Ellete Waste 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 B.

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, Ellete Waste operators will liaise with regulators to discuss findings;
- where the NCIP identifies that the complaint is justified and applicable to Ellete Waste operations, and identifies further Appropriate Measures to apply at the Ellete Waste facility, Ellete Waste will liaise with regulators to agree timescales for implementation; and
- where NCIP identifies that complaint is justified, but the Ellete Waste facility is operating according to Appropriate Measures, Ellete Waste 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 The Noise Management Plan (NMP) will be issued to the site operatives and will be available to all employees for reference.

6.1.4 On completion of that induction and/or training, the personnel concerned must sign-off their understanding in their staff record.

6.1.5 All employees will be comprehensively trained in the use of the plant and machinery associated with the loading, handling and treatment activities.

6.1.6 Tool Box Talks (TBT) will be used to communicate the policies and plans and are a record of training.

6.1.7 All relevant Ellete Waste employees and contractors are to be made aware of the details of this NMP.

6.1.8 Operational feedback will be communicated to site employees at regular EHS meetings if earlier notice or discussion is not required.

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 CMBC, 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

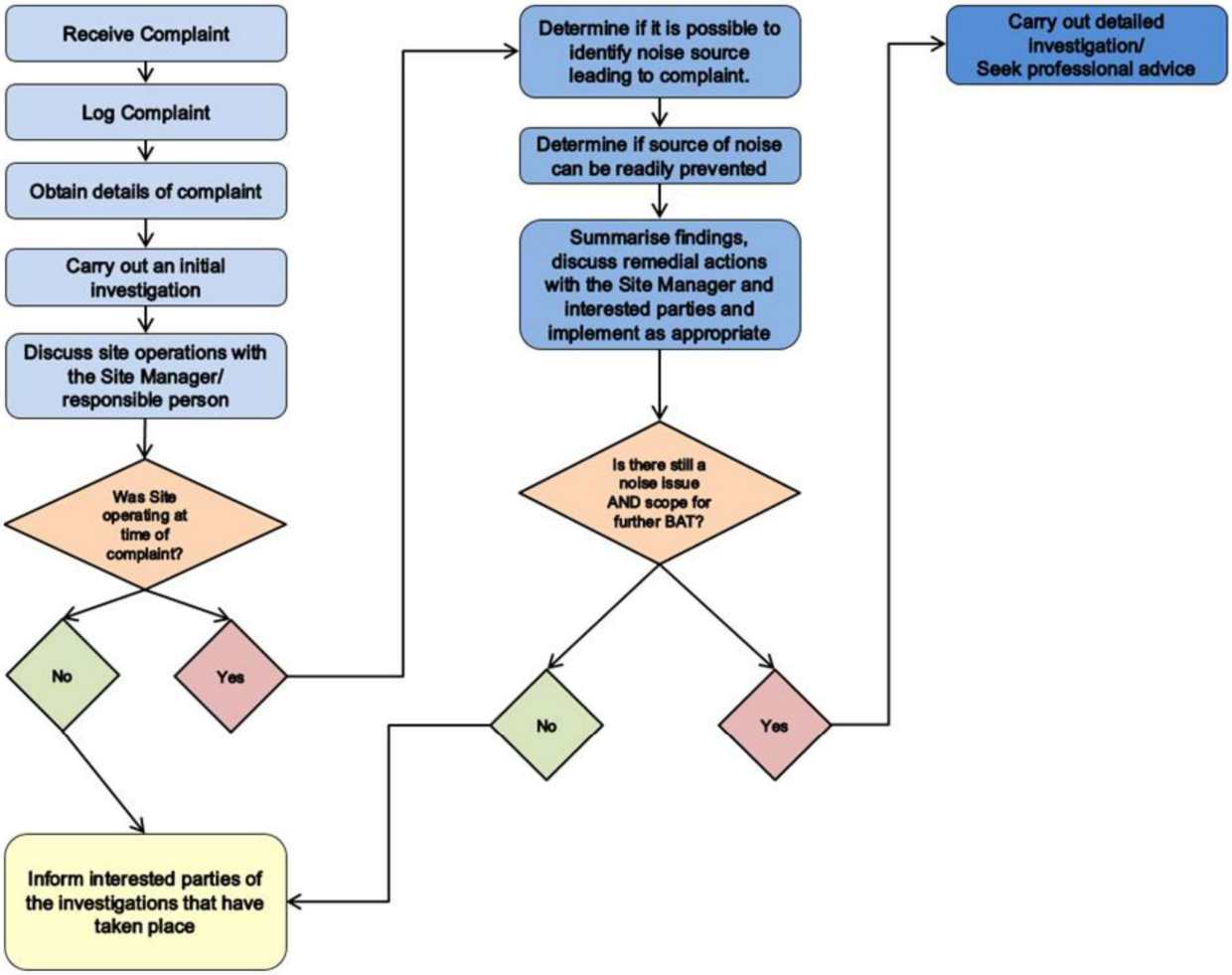
Tables

Table A-1: On-site Plant Information

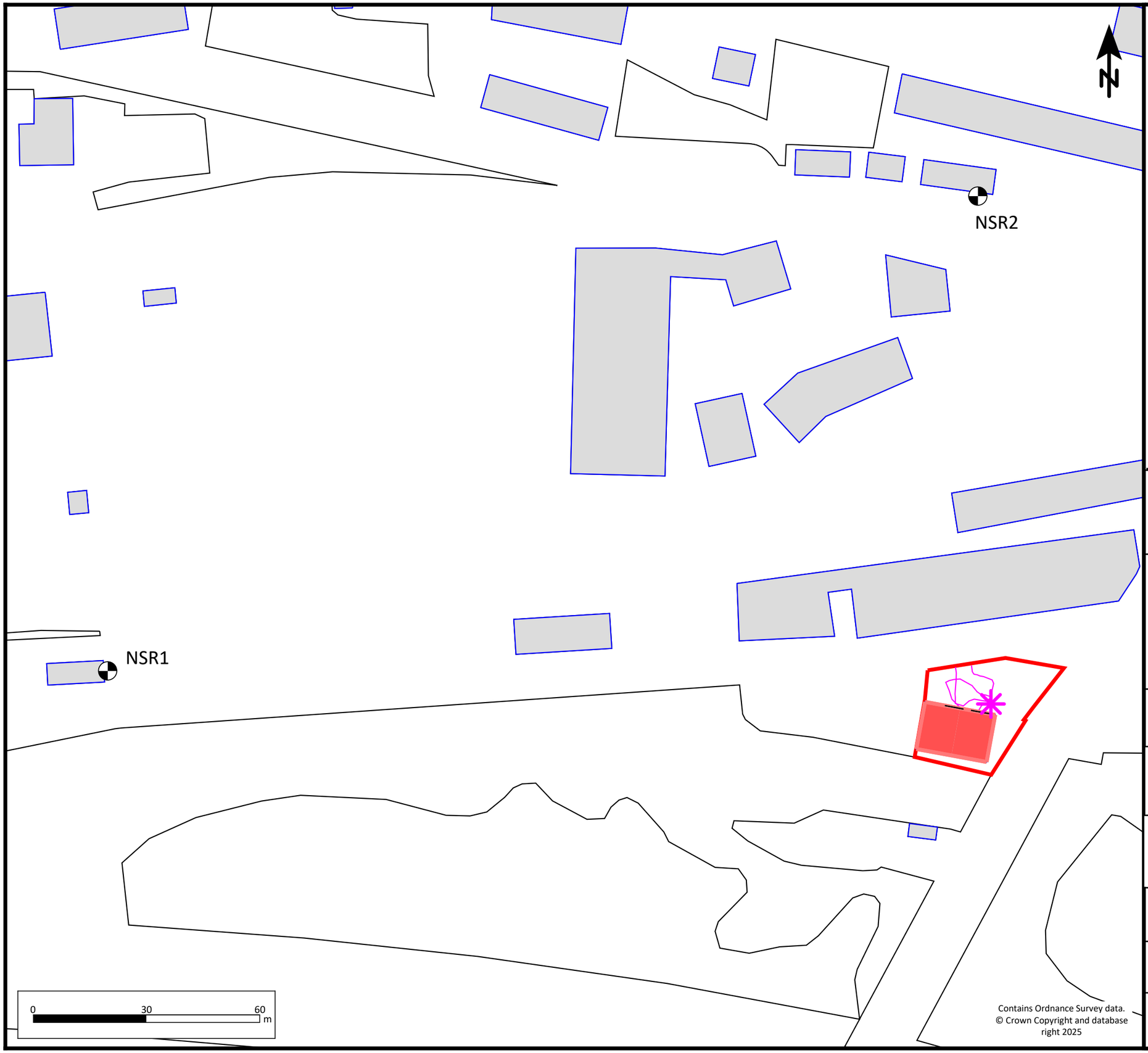
Plant	Broadband SWL (dB L_{WA})	Daily Occurrence or On-time %
Proposed Plant		
HGV Movements	107	6 vehicle movements an hour
360 Mechanical Grab	99	100% of the operational hours
Trommel	106	100% of the operational hours
Front Loader (Driving in Yard)	104	50% of the operational hours
Front Loader (Loading Hopper Internally)	103	50% of the operational hours
Hopper	106	100% of the operational hours
Converter Belt	80	100% of the operational hours

Appendix B

Noise Complaint Procedure



FIGURES



Key

- Basemap
- Noise Sensitive Receptor
- Existing Buildings
- Red Line Boundary
- Ellete Waste Facility
- Line source
- Point source

Notes

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PROJECT:	Ellete Waste
TITLE:	Development Site and Noise Sensitive Receptor Location Plan

DRG NO: FIGURE 1		REV: A
DRG SIZE: A3	SCALE: 1:1000	DATE: 09/04/2025
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