



Hart's Haulage, Redruth

Noise Management Plan

25th April 2026

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The findings and opinions expressed are relevant to the dates of the site works and should not be relied upon to represent conditions at substantially later dates. If additional information becomes available which may affect our comments, conclusions or recommendations, the author reserves the right to review the information, reassess any new potential concerns and modify our opinions accordingly.

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1. INTRODUCTION

1.1. Overview

inacoustic has been commissioned to prepare this Noise Management Plan (NMP) for the permitted activities undertaken by Hart's Haulage at the former Ladds Yard, Wilson Way, Redruth, Cornwall.

The plan has been prepared in support of the Environmental Permit application for the Site and should be read alongside the Noise Assessment prepared by inacoustic. The Noise Assessment considers cumulative sound emissions from the Site, including the operational aggregate wash plant, crushing, mobile plant, HGV movements, material handling, loading, tipping and stockpile management.

The purpose of this document is to describe the physical mitigation measures, operational controls and management procedures that will be applied to prevent, or where that is not practicable, minimise noise emissions from the permitted activities.

Environmental permits require operators to manage emissions so that activities are carried out in a manner that prevents or minimises pollution. In the context of noise, this requires the use of appropriate measures consistent with the principles of Best Available Techniques (BAT), such that noise emissions from the Site are appropriately controlled outside the installation boundary.

The Noise Assessment identified the principal noise-generating activities associated with the Site, assessed the potential effects at nearby receptors and considered the mitigation and management measures required to control noise emissions. The assessment concluded that, subject to implementation of the proposed 4 m concrete boundary wall and operation in accordance with this NMP, noise is not considered to represent a constraint to determination of the Environmental Permit application.

This NMP therefore provides the practical framework for managing noise from the permitted activities during routine operation and for responding to any abnormal events or noise complaints, should they arise.

1.2. Scope and Objectives

The objectives of this Noise Management Plan are to:

- identify the principal noise-generating activities associated with the permitted operations;
- describe the physical mitigation measures proposed or implemented to control noise emissions;
- set out operational controls to minimise avoidable noise generation;
- provide a framework for routine site observation, maintenance and review;
- establish procedures for identifying and responding to abnormal noise emissions; and
- set out procedures for investigating and responding to noise complaints.

The plan therefore provides a practical framework for managing noise emissions associated with the Hart's Haulage permitted activities and ensuring that the appropriate measures identified in the Noise Assessment remain effective over time.

1.3. Responsibility and Review

Responsibility for implementing this Noise Management Plan rests with site management at Hart's Haulage.

Site management will ensure that plant, vehicles and activities associated with the permitted operations are managed and maintained in accordance with this plan. Site personnel will also be expected to follow the operational controls set out within this document, including those relating to plant use, material handling, vehicle movements and the reporting of abnormal noise.

The effectiveness of this Noise Management Plan will be reviewed periodically as part of routine site management. The plan will also be reviewed if:

- changes are made to plant, site layout or operational practices that could materially influence noise emissions;
- new significant noise-generating plant or activities are introduced;
- complaints relating to site noise are received;
- monitoring or site observations identify abnormal or elevated noise emissions; or
- significant changes occur in surrounding land uses.

This approach ensures that noise control measures remain appropriate for the operational and environmental context of the Site.

2. ASSESSMENT FRAMEWORK

2.1. National Policy

2.1.1. Noise and Vibration Management: Environmental Permits

Environmental Permitting and Noise Control

Environmental permits require operators to manage pollution, including noise and vibration. To support compliance, the Environment Agency, Scottish Environment Protection Agency (SEPA), Natural Resources Wales, and the Northern Ireland Environment Agency have jointly issued updated guidance for permit applicants and holders. This guidance outlines:

- How environmental agencies assess noise from industrial processes;
- Legal obligations for managing noise and vibration;
- Best practices for noise management, including conducting noise impact assessments and preparing noise management plans; and
- This guidance replaces the now-withdrawn Environment Agency Horizontal Guidance for Noise (H3) Parts 1 and 2.

Best Available Techniques (BAT) and Noise Management

Permitting regulations require operators to implement Best Available Techniques (BAT) to minimize environmental impact, balancing noise control with other environmental considerations such as air, land, and water pollution. BAT aims to ensure that noise emissions do not cause unreasonable annoyance beyond the installation boundary.

For noise control, BAT includes:

- Implementing good practice, such as maintaining plant and equipment to prevent noise increases;
- Ensuring noise levels do not cause undue annoyance to nearby communities, aligning with environmental standards beyond statutory nuisance laws; and
- Preventing creeping background noise—the gradual rise in ambient sound levels due to industrial expansion.

While BAT applies to both new and existing activities, new installations must meet BAT standards from the outset, incorporating noise prevention into process design. For existing sites, the focus remains on best practices and ensuring noise does not cause undue disturbance.

Noise Impact Assessment and Standards

Assessing noise impacts typically involves monitoring existing levels and applying adjustments rather than relying solely on predictions. The guidance references BS 4142:2014+A1:2019 as the primary standard for noise impact assessments.

3. SITE DESCRIPTION

3.1. Site and Surrounding Area

The site forms part of the Hart’s Haulage operational depot at the former Ladds Yard, Wilson Way, Redruth, Cornwall. The site is located within an established commercial and industrial area and accommodates a range of activities associated with aggregate handling, haulage, waste processing and material recycling.

The Environmental Permit application relates to activities undertaken within the Hart’s Haulage site, including the existing aggregate wash plant. The wash plant is situated within the eastern part of the yard and comprises screening, washing and grading equipment used to process quarried and recycled aggregates. The wider permitted activities also include material storage, loading and unloading, HGV movements, mobile plant movements and intermittent crushing.

The surrounding area is mixed in character. Commercial and industrial uses are present to the north, west and east, including other businesses operating from the wider former Ladds Yard and adjacent employment land. Open land and areas of agricultural use are also present in the wider locality. Residential receptors are located to the north-east at Carn Tor View, to the west at Boscarn Caravan Park, and to the south-west at Hillside Farm.

The area subject to this assessment is shown in Figure 1, below.

FIGURE 1: SITE AND SURROUNDING AREA



There are numerous residential receptors in close proximity to the Development, however, five properties have been selected as being representative of the nearest noise-sensitive receptors, as detailed below in Table 1.

TABLE 1: NEAREST NOISE-SENSITIVE RECEPTORS

ID	Receptor Name	Direction	Assessment Height (m)	Easting	Northing
R1	Carn Tor View	North-East	4.0	167907	041248
R2	3-4 Carn Tor View	North-East	4.0	167926	041255
R3	1-2 Carn Tor View	North-East	4.0	167942	041261
R4	The Old Workshop	North-East	4.0	167955	041262
R5	Hillside Farm	South-West	4.0	167659	040837
R6	Boscarn Caravan Park	West	1.5	167572	041000
R7	Boscarn Caravan Park	West	1.5	167560	041026
R8	Boscarn Caravan Park	West	1.5	167544	041046
R9	Boscarn Caravan Park	West	1.5	167530	041055

The wash plant area is accessed internally from the main haulage yard and comprises a series of fixed and mobile items of processing equipment, including feed hoppers, conveyor systems, vibrating screens and washing barrels, arranged on hardstanding with associated drainage and settlement infrastructure. Material is delivered to the plant via internal haul routes, with processed aggregate stockpiled within the adjacent yard area prior to distribution.

The wider Hart's Haulage operation includes aggregate and waste handling activities, material stockpiles, mobile plant operations, HGV deliveries and collections, and intermittent crushing using a Terex Finlay J-1160 crusher. Crushing is undertaken on demand, generally during campaign periods when sufficient material has been accumulated, and is not understood to be a continuous daily activity.

The wash plant is of open construction and is partially screened from the wider surroundings by existing boundary structures, including a concrete block wall along the north-eastern perimeter and aggregate stockpiles which provide variable screening at lower elevations. The proposed mitigation includes increasing the height of the relevant boundary wall to approximately 4 m, to improve acoustic screening between the operational yard and the Carn Tor View receptors.

The operational layout of the wash plant and surrounding infrastructure is shown in Figure 2, below.

FIGURE 2: PROPOSED SITE LAYOUT



3.2. Noise Generating Elements

The Site incorporates a mixture of fixed and mobile noise-generating activities associated with aggregate washing, material handling, crushing and vehicle movements. The principal noise-generating elements included within the assessment are summarised in Table 2.

The assessment considers the cumulative contribution from the operational wash plant and the wider Hart’s Haulage permitted activities. The operational assumptions adopted in the noise model are set out further in Section 5.

TABLE 2: SUMMARY OF NOISE-GENERATING ELEMENTS

Reference	Description	Location	% On Time	Operational Profile	Grid Coordinates	
					Easting	Northing
1	Primary Screener	External	100	Continuous	167875	041173
2	CDE Primary Shaker	External	100	Continuous	167875	041146
3	CDE Vibro Sync	External	100	Continuous	167875	041145
4	CDE Agg Max	External	100	Continuous	167875	041139
5	CDE Secondary Screener	External	100	Continuous	167875	041134
6	CDE EvoWash	External	100	Continuous	167855	041115

Reference	Description	Location	% On Time	Operational Profile	Grid Coordinates	
					Easting	Northing
7	Agitator	External	100	Continuous	167845	041110
8	Secondary Agitator	External	100	Continuous	167837	041101
9	Diesel Generator	External	100	Continuous	167840	041117
10	Mud Centrifuge	Enclosed	100	Continuous	167825	041102
11	Terex Finlay J-1160 Crusher	External	100	As Required	167784	041089
12	Front-end Loading Shovels	External	20 movements per hour	Continuous	Mobile	
13	Tracked Excavators	External	20	Continuous	167702	041134
14	HGV Movements	External	20 movements per hour	Continuous	Mobile	
15	Material Tipping	External	30	Continuous	167777	041120
16	Loading / Stockpile Handling	External	30	Continuous	167836	041157

4. NOISE CONTROL MEASURES

4.1. Overview

Noise emissions from the Site are controlled through a combination of physical mitigation measures, operational controls and routine site management procedures.

The Noise Assessment identified that the highest absolute rating levels are predicted at receptors to the north-east of the Site, at Carn Tor View and The Old Workshop. The proposed mitigation strategy therefore includes improved acoustic screening along the north-eastern boundary, together with operational controls to minimise avoidable noise from plant, vehicles and material handling activities.

The controls set out in this section apply to the permitted activities as a whole, including the aggregate wash plant, crushing, mobile plant, HGV movements, material tipping, loading and stockpile management.

4.2. Physical Mitigation Measures

The principal physical mitigation measure proposed at the Site is the increase in height of the concrete boundary wall along the north-eastern boundary to approximately 4 m.

The wall is intended to improve acoustic screening between the operational yard and the nearest residential receptors at Carn Tor View and The Old Workshop. It will reduce direct sound propagation from the operational area toward these receptors, particularly from the wash plant, mobile plant activity and material handling operations within the eastern part of the yard.

The wall will be constructed as a solid concrete structure, with no significant gaps or openings that would materially reduce its acoustic performance. Once installed, the wall will form a permanent element of the site infrastructure and will provide passive acoustic mitigation without reliance on day-to-day operator intervention.

Existing site features, including buildings, boundary structures and stockpiles, also provide localised screening where present. Stockpiles will continue to be managed in a manner that supports efficient site operation and, where practicable, maintains screening between operational activities and nearby receptors.

TABLE 3: PHYSICAL NOISE CONTROL MEASURES

Control Measure	Description	Purpose
Proposed north-eastern boundary wall	Approx. 4 m solid concrete wall along the north-eastern boundary of the Site	Acoustic screening between the operational yard and receptors at Carn Tor View / The Old Workshop
Plant and activity location	Wash plant, crusher, loading areas and stockpiles located within the established industrial yard	Use of distance, existing yard layout and site infrastructure to reduce off-site noise exposure
Existing buildings, boundary features and stockpiles	Existing site features retained and managed where practicable	Localised screening of plant, material handling and vehicle movements

4.3. Operational Controls

In addition to the proposed physical mitigation, operational controls are applied at the Site to minimise unnecessary noise emissions from routine activities.

Plant and equipment associated with the permitted operations will be maintained in good working order to ensure that mechanical components operate efficiently and do not generate excessive noise due to wear, damage or mechanical fault. Maintenance will be undertaken as part of routine site management and, where relevant, in accordance with manufacturer recommendations.

Mobile plant will be operated in a controlled manner. Operators will be instructed to avoid unnecessary engine idling, excessive revving, harsh acceleration and avoidable high-noise manoeuvres. Loading, tipping and material handling activities will be undertaken with care to minimise unnecessary dropping from height and avoidable bucket impact.

HGV movements will be managed as part of normal site operations. Vehicles will be directed along established internal routes and unnecessary waiting or idling will be avoided where practicable. Reversing alarms used on site will be broadband in character, where fitted, to reduce the potential for tonal alarm noise at nearby receptors.

Crushing will be undertaken on a campaign basis when sufficient material has been accumulated and is not intended to operate continuously as a day-to-day activity. When crushing is undertaken, the crusher will be located in the established operational area to the south-west of the wash plant, which has been identified as the most appropriate practicable location having regard to site layout and noise control.

Waste processing activities are understood to be limited to the daytime period, typically within 07:00 to 19:00 Monday to Friday. No evening or night-time waste processing activities are proposed as part of the Environmental Permit application.

Where plant is not required for operational purposes, it will be switched off rather than left running unnecessarily.

The principal operational controls are summarised in Table 4.

TABLE 4: OPERATIONAL NOISE CONTROL MEASURES

Activity / Source	Control Measure	Purpose
Wash plant	Operate and maintain plant in good working order	Avoid increased noise emissions due to mechanical deterioration
Crusher	Operate on a campaign basis as required; locate in established operational area	Minimise duration and locate activity in the best practicable position
Mobile plant	Avoid unnecessary idling, excessive revving and avoidable high-noise manoeuvres	Reduce unnecessary engine and movement noise
Loading / tipping	Avoid unnecessary dropping from height and excessive bucket impact	Reduce short-duration impact noise
HGV movements	Use established routes; avoid unnecessary waiting and idling	Reduce vehicle noise and avoidable engine running

Activity / Source	Control Measure	Purpose
Reversing alarms	Use broadband alarms where fitted	Reduce tonal alarm character at receptors
Stockpile management	Manage stockpiles to support efficient operation and, where practicable, screening	Reduce unnecessary movements and maintain localised screening
Operating hours	Waste processing activities limited to daytime operation	Avoid evening and night-time noise impact

4.4. Abnormal Operation and Contingencies

In the event that abnormal noise emissions are identified during site operations, the relevant plant, vehicle or activity will be investigated by site management.

Abnormal noise may include, but is not limited to, unusual mechanical noise, damaged guards or panels, excessive vibration, defective exhausts, abnormal bearing noise, defective conveyor components, or changes in noise character from mobile plant or processing equipment.

If equipment is found to be operating abnormally or generating excessive noise, it will be inspected and, where necessary, repaired before being returned to normal service. Where appropriate, the relevant activity may be reduced, relocated or temporarily suspended until corrective action has been implemented.

Where abnormal noise is associated with working practices rather than plant condition, site management will review the relevant operation and, where necessary, remind operators of the required control measures.

This approach ensures that unexpected increases in noise emissions can be addressed promptly and that the effectiveness of the mitigation and management measures described in this plan is maintained.

5. NOISE MONITORING AND MANAGEMENT

5.1. Routine Monitoring

Given the scale and nature of the Site, continuous noise monitoring is not considered necessary.

Noise emissions will instead be managed through routine operational oversight, site inspections and periodic observations by site management. This provides a practical means of confirming that plant and activities are operating normally, that unnecessary noise is being avoided, and that the mitigation and management measures set out in this plan remain effective.

Routine observations should have regard to the principal noise-generating activities on site, including:

- operation of the wash plant;
- crushing, when undertaken;
- mobile plant movements;
- HGV movements;
- loading, tipping and stockpile handling; and
- the condition and effectiveness of the north-eastern boundary wall and other screening features.

Where practicable, observations should include consideration of whether any item of plant or activity is clearly louder than usual, whether any abnormal mechanical noise is present, and whether site operations are being undertaken in accordance with the controls set out in Section 4.

Additional checks may be undertaken if:

- new plant is introduced;
- significant changes are made to site layout or working practices;
- crushing activity materially changes in frequency, duration or location;
- abnormal noise is identified by site staff; or
- a noise complaint is received.

5.2. Maintenance and Operational Control

Plant and equipment associated with the permitted activities will be subject to routine inspection and maintenance as part of normal site operations.

This includes the wash plant, crusher, mobile plant, HGVs, conveyors, screens, pumps, generator and other associated equipment. Maintenance will be undertaken to ensure that plant continues to operate efficiently and does not generate excessive noise due to mechanical deterioration, damage or poor adjustment.

Particular attention should be given to components that have the potential to generate increased noise if worn or damaged, including:

- exhaust systems;
- guards, panels and enclosures;
- bearings, rollers and conveyor components;
- screens and vibrating equipment;
- pumps and motors;

- buckets, blades and attachments;
- broadband reversing alarms; and
- engine covers and acoustic panels.

Should abnormal noise be identified during routine site activities, the equipment concerned will be inspected and, where necessary, repaired or removed from service until the issue has been resolved.

Operational controls will also be maintained through staff awareness and routine management. Operators should continue to avoid unnecessary engine idling, excessive revving, avoidable impact noise, unnecessary dropping from height and other working practices that could increase off-site noise emissions.

This approach ensures that plant continues to operate efficiently and prevents gradual increases in noise emissions caused by mechanical deterioration or poor working practices.

5.3. Review of the Noise Management Plan

The effectiveness of this Noise Management Plan will be reviewed periodically by site management.

The plan will also be reviewed following any material change that could influence noise emissions from the Site, including:

- changes to site operations, plant or layout;
- changes to operating hours;
- introduction of new significant noise-generating plant or activities;
- changes to the location or frequency of crushing;
- changes to HGV routing or movement numbers;
- alteration, removal or damage to noise mitigation measures;
- receipt of noise complaints; or
- changes in nearby sensitive receptors or surrounding land use.

Where the review identifies that additional or revised controls are required, the Noise Management Plan will be updated accordingly.

This process ensures that noise management procedures remain appropriate and effective over time, and that the Site continues to operate in accordance with the appropriate measures identified in the Noise Assessment.

6. COMPLAINT PROCEDURE

Hart's Haulage recognises the importance of responding promptly to any concerns raised by nearby residents regarding noise.

If a complaint relating to site noise is received, the details of the complaint will be recorded by site management. This will include the date and time of the complaint, the location of the complainant and a description of the noise issue reported.

Site activities at the time of the complaint will be reviewed to determine whether operations associated with the wash plant may have contributed to the reported noise. Where appropriate, site personnel will inspect plant operating at the time of the complaint to identify any abnormal operation or mechanical fault.

If the investigation identifies a potential source of noise associated with the installation, appropriate corrective actions will be implemented. These actions may include maintenance or repair of equipment, modification of operational practices or further review of noise management procedures.

A record of the complaint and the outcome of the investigation will be retained by the operator.

TABLE 5: NOISE COMPLAINT INVESTIGATION PROCEDURE

Step	Action
1	Complaint received and recorded
2	Review of site operations at time of complaint
3	Investigation of plant and activities
4	Corrective actions implemented if required
5	Outcome recorded and complainant informed

7. REGULATORY NOTIFICATION

Where an investigation identifies that noise emissions from the Site may have resulted in a breach of permit conditions, or that the controls set out in this Noise Management Plan have not been followed, the Environment Agency will be notified in accordance with the requirements of the Environmental Permit.

Where required, Hart's Haulage will provide the Environment Agency with details of:

- the nature of the incident or non-compliance;
- the date, time and duration of the event;
- the plant, activity or operation involved;
- the findings of the investigation;
- any corrective actions implemented; and
- any further measures proposed to prevent recurrence.

Records of any such notification, together with the associated investigation and corrective actions, will be retained by the operator.

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