

Noise Management Plan
Mobile Plant Permit EPR/BB348HA

Prichard Remediation Ltd
20nd December 2021

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Requirement:	Noise Management Plan	Bespoke Permit – EPR/BB349HA
Date of NRW Submission:		
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Version number and date:	First submission	12 th February 2022
	Reviewed and updated	9 th October 2025
	Date for review	

Introduction

This NMP is required in the event that the mobile plant permit currently held by Prichard Remediation Ltd (EPR/BB3498HA) is required to be deployed on a site and the mobile plant to be used under that gives rise to noise which causes a potential or actual pollution outside of the site boundary. It is to be read and used in conjunction with the EMS produced for Prichard Remediation Ltd for the operation of the mobile plant deployed under the permit and includes all activities covered within and the applicable CEMP. The following documents have been used to aid the formulation of this noise management plan with the view of maintaining compliance with the permit. The standards outlined within this document will be complied with throughout site operations where possible:

- How to Comply, H1 guidance and H3 guidance

Permit / Areas for Consideration

The permit states, under condition 3.4.1 that in respect of Noise and Vibration:

“Emissions from the activities shall be free from noise and vibration at levels likely to cause pollution outside the site, as perceived by an authorised officer of Natural Resources Wales, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved noise and vibration management plan, to prevent or where that is not practicable, to minimise, the noise and vibration.”

Section 3.4.2 states that:

“The operator shall:

(a) if notified by Natural Resources Wales that the activities are giving rise to pollution outside the site due to noise and vibration, submit to Natural Resources Wales for approval within the period specified, a noise and vibration management plan;

(b) implement the approved noise and vibration management plan, from the date of approval, unless otherwise agreed in writing by Natural Resources Wales”.

Typically for most sites where the mobile plant permit is deployed and the treatment technologies used, vibration issues do not present a problem outside of the site and so are not relevant for the purposes of the production of this Noise Management Plan. However, if they did become an issue then, as per the condition imposed within the permit, an agreed management plan would be produced in agreement with NRW.

The main areas to consider within this plan are limited to the following parameters:

- Source identification of the noise
- Identification of nearby receptors
- Pathways of the noise
- Mitigation measures to counteract the noises created on site
- On site monitoring for noise
- Complaint procedures

Source Identification of Noise

Operations on site are limited and so the creation of noise, in particular excessive noise, is only emitted by certain activities being undertaken:

- Loading vehicles with material
- Unloading vehicles
- Screening operations
- Vehicle movements

Each plant to be utilised on site will be marked via signage with the relevant decibel rating for the respective piece of equipment.

Receptor Location

The location of the receptors is key to an understanding of how to deal with the noise issues created on site. Refer to document reference: VP_P2_SP_V1.0 - Virginia Park Remediation Site Plans, which includes in detail the receptors within 1km of the project boundary.

Pathways

The various potential pathways that the noise created by the site and the mobile plant can conceivably travel are identified within the CSM/risk assessment, reference document reference: CSMRA-001 titled, *CSM Risk Assessment*, this is generally through the air.

Mitigation measures

Receptors listed below have been identified and included within the document titled: Virginia Park Remediation Site Plans (Document Reference: VP_P2_SP_V1.0).

Receptors Within 1km	Source	Pathway	Noise Impact level	Mitigation Measure
Commercial Premises	All	Air	Low	Natural tree line surrounding the site acts to physiologically reduce the subjective impact of the noise heading in that direction. All plant and vehicles will benefit from the installation of squelcher reverse alarms, which are considerably quieter than generic reverse alarms. Machines are assessed daily for damage including faults that can contribute to increase in noise pollution, and repaired when noted. Plant and machine operators have been provided a copy of the companies anti-idling policy to reduce noise emissions. Noise is to be assessed on site daily by the site supervisor and weekly (at random intervals) by the company’s health and safety department.
Agricultural Properties	Plant movement & operational equipment	Air	Low	
Residential Properties	All	Air	Low	The plant and vehicle movement in the area closest to these receptors will be at a minimum. All plant will be fitted with squelcher reversing alarms and no heavy plant operations such as screening and crushing equipment (if required) will be operated on the boundary of the site. Signage has been installed along the haul road and site entrance to remind drivers not to speed or slam tailboards. Noise is to be assessed on site daily by the site supervisor and weekly (at random intervals) by the company’s health and safety department.
Leisure Properties/Community Centre and Public Open Spaces	All	Air	Low	

In addition to the measures identified within the table above, to support the reduction of noise being produced by the site the following practices may be adopted where appropriate:

- * Monitoring of noise levels is to be undertaken at random intervals, minimum once per week, across different receptor locations and times of the day.
- * All plant and machinery is to be well maintained as per the manufacturer's instruction ensuring that noise levels are minimised. This includes paying particular attention to high level noise producers (such as worn bearings) to ensure that operations cease immediately when they fail and they are rigorously maintained.
- * Any 'noisy' work is undertaken within core working hours only and not outside of this to ensure that work is not undertaken during unsocial hours.
- * Larger plant will be located as far from the receptors as possible.
- * Drivers are trained and reminded not to slam tailboards when delivering to site.
- * All vehicle, plant and machinery movements on site are minimised where possible and strict speed limits are to be maintained.
- * When reversing, white noise alarms (squelchers) will be used as opposed to beeping sounds.
- * The use of horns is not permitted on site as all drivers have received training on this to help minimise any noise levels being created.
- * When plant is not in use, they will not be left to idle; they will be switched off when practical as per the companies anti-idling policy.
- * If a noise complaint is received by the site, management are aware of the relevant investigation procedures and the environmental department will be informed. This will enable appropriate and positive action to be undertaken immediately to address any potential noise issues.

On-site Monitoring

Monitoring of noise on-site is routinely undertaken as part of normal operations. If the site supervisor notices the levels are becoming excessive, they will cease the application of the operation to prevent the levels increasing off site.

Monitoring is undertaken at random intervals once per week across the site by the companies Health and Safety department. This will enable a transparent view to be undertaken of noise impacts across the surrounding area.

Complaints Procedure

Prichard Remediation Ltd as part of this document and the overarching environmental management system have committed to a series of procedures that aim to highlight any noise releases from site that may become a nuisance for surrounding receptors. If a noise is noted within the daily assessments by site operatives, this is logged and reported to the site management who initiate an investigation into the source of the noise.

If a complaint is made to the site that has already been identified within the daily assessment, no further action beyond what has already been instigated on site will occur. The complainant will be made aware of what remediation is taking place to mitigate the noise release.

In the event that a complaint is made regarding noise from Prichard Remediation Ltd that was not identified within the daily assessment it will be directed to the Environment Manager. An External Compliant Form will be completed for the incident and logged formally. The Environment Manager will initiate an on-site investigation as soon as possible after the complaint is received.

Any findings and resultant corrective actions will be detailed to the complainant.

All complaints and noise emissions will be logged on the Assessment Report forms and any investigation findings/remedial action will be documented.

In the event that multiple complaints are received from different complainants (3 within an hour of each other), the above procedures will be initiated in addition to the following:

- A repeat of the assessments on site will need to be undertaken.
- An updated assessment of on -site activity being undertaken.
- A review will need to be carried out of the mitigation measures and reporting methodology.
- Further assessment of the location of the complaints to understand if there are any other reasons e.g., geographic etc. that may have contributed to excessive noise reports.

All reports are to be made available to NRW, if requested.