



Waste Management, Planning & Environmental Consultants

SCHEME FOR THE MONITORING OF NOISE DURING THE RESTORATION OF PODE HOLE QUARRY

**Pursuant to Condition 11 of Planning Permission
reference 18/02044/MMFUL**

Pode Hole Quarry,
The Causeway,
Thorney,
Peterborough.

Version 2 – July 2019

PT-CE Ltd

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BACKGROUND

The Planning Authority’s written approval is sought for version 2 of the Noise Monitoring Scheme required by Condition 11 of Planning Permission reference 18/02044/MMFUL, to allow the development to commence.

Condition 11 states:

“Prior to the commencement of development, a scheme for the monitoring of noise from the development should be submitted to, and approved in writing by, the Mineral Planning Authority.

The approved noise monitoring scheme should be implemented throughout the period of development.”

The Scheme is required to secure an appropriate noise monitoring scheme in the interests of the amenity of the nearest residential occupiers in accordance with Cambridgeshire and Peterborough Minerals and Waste Core Strategy policy CS34. This is a pre-commencement condition as appropriate control needs to be exercised on activities which from the outset may give rise to adverse noise impacts.

The locations of these residential properties affected are illustrated on the drawing “Receptor Location Plan” appended below.

Quarry Restoration Partnerships aim to operate in compliance with Policy CS34 and by so doing protect the amenity of the nearest residential occupiers.

SCHEME DETAILS

The scheme has been produced in accordance with recognised good practice, relevant national policy as set out in the National Planning Policy Framework (NPPF), Planning Practice Guidance (PPG), British Standards and other relevant guidance documents.

In accordance with Condition 12, except for temporary operations, noise levels during permitted daytime working hours must not exceed the following values at the listed occupied residential properties when measured as dB LA_{eq} 1 hour (free field). As set out in Table 1 below.

Table 1

Reference	Location	Level of noise (dB LA_{eq} 1 hour (free field)).
1	Pode Hole Farm	55
2	Bar Pasture Farm	48
3	38, 39 Willow Hall Cottages	48
4	Willow Hall Farm	55



Monitoring Positions

Noise measurements will be carried out at free field positions at each of the properties listed in Table 1. In the event that access cannot be obtained to undertake noise monitoring at a selected location, measurements will be carried out at either another representative position or at a suitable location on the site boundary. Adjustments would be made in accordance with the distance adjustment methods outlined in BS5228-1: 2009 + A1: 2014 'Code of practice for noise and vibration control on construction and open sites – Part 1: Noise', to demonstrate compliance with the permissible levels. Corrections would be made for any topographical, ground / air absorption effects or barrier attenuation.

Condition 15 limits the free field noise level for temporary operations (such as essential site preparation work and restoration such as soil stripping and replacement, bund formation and removal) at the nearest point to the locations identified in Table 1 above, to 70 dB LA_{eq} 1 hour (free field). Quarry Restoration Partnerships will notify the Planning Authority between 7 and 21 days in advance of these essential temporary operations, which will not take place for more than eight weeks in any calendar year.

Monitoring Frequency

Monitoring will be undertaken at a frequency of not less than once per year during routine restoration operations. Monitoring locations will be selected, and monitoring events scheduled, to represent situations when operations are likely to result in the most significant impacts. Results obtained under these conditions would constitute the greatest impact likely to be encountered.

During temporary operations as mentioned above, noise monitoring at the locations listed in Table 1 will be carried out monthly.

In the event that monitoring establishes that the noise impact from site operations is having negligible effect upon the noise environment at the measurement location or that other unassociated noise sources are the primary influence on the noise environment it is proposed that routine monitoring will cease, subject to consultation with the Planning Authority.

Monitoring frequency may need to be reviewed, or instigated, in the event of reasonable complaint as determined by the Local Authority.

Equipment Specification

The instrumentation used to monitor the noise levels will meet the Class 1 standard specified in BS EN 61672: Part 1 2013.

Monitoring Procedure

Monitoring will be undertaken with reference to the methods provided in BS 4142: 2014, 'Methods for Rating and Assessing Industrial and Commercial Sound', at times when it is



known that the site is fully operational. Measurements will be made in accordance with the procedure below:

- the instrumentation will be calibrated on site both before and after use in accordance with the manufacturer's instructions using a UKAS certified acoustic calibrator;
- measurement height between 1.2 to 1.5 metres above the ground;
- instrument setting - fast time response and A weighted;
- 15-minute measurement periods; and
- recorded measurement parameters - LA_{10} , LA_{90} and LA_{eq} .

Monitoring will not be undertaken if it is considered that the prevailing weather conditions could detrimentally affect the measurements either by generating extraneous noise or by influencing sound propagation. Such weather includes wind speeds which are greater than 5ms^{-1} , low ambient temperatures or rain.

Monitoring will be undertaken to ensure that all site operations are representatively assessed, as far as is reasonably practicable. In the event of steady noise conditions, a minimum fifteen-minute measurement period shall be adopted at the agreed location. Both manned and unmanned measurements may be required for this situation.

Reporting

Within six weeks of each monitoring exercise a report will be prepared detailing the monitoring results. The report will include the following information:

- the aims of the assessment;
- monitoring locations and measurement position;
- influencing factors upon the noise environment;
- monitoring procedures including any deviation from the procedures detailed in this scheme;
- meteorological conditions including weather, wind speed/direction, cloud cover and ambient temperature;
- monitoring instrumentation used;
- measurement duration;
- site activities taking place during the measurement periods;
- measurement results; and review and analysis of results.

All relevant records pertaining to the measurement and recording of noise will be retained by QRPL for a period of three years and will be available for inspection by authorised officers of Minerals Planning Authority.



Appendix 1. Receptor Location Plan

Receptor Location Plan

