

GRINDLE HOUSE,
CHURCH LANE,
CLYST ST MARY,
EXETER, DEVON EX5 1AB
TEL 01392 877770
FAX 01392 874041



SAM GILPIN DEMOLITION LTD
WHITECLEAVE QUARRY
BUCKFASTLEIGH
DEVON

ENVIRONMENTAL SCHEME
NOISE



Environmental Scheme
to
Identify, Control and Monitor the Impacts of noise
from the
Winning and Working of Mineral
at
Sam Gilpin Demolition Ltd
Whitecleave Quarry
Buckfastleigh
Devon

Scheme submitted to:-

Ms G Gilpin
Sam Gilpin Demolition Ltd
Whitecleave Quarry
Plymouth Road
Buckfastleigh
Devon TQ11 ODQ

Scheme prepared by:-

.....
K Gough
Company Principal

24 November 2015



CONTENTS

- 1. INTRODUCTION**
- 2. BACKGROUND INFORMATION**
- 3. MONITORING PROCEDURES**
- 4. SUPPRESSION MEASURES**
- 5. PERMISSIBLE LEVELS**
- 6. PROCEDURE TO BE FOLLOWED IN THE EVENT OF THE PROPOSED PERMISSIBLE LEVELS BEING EXCEEDED**
- 7. COMPLAINTS PROCEDURE**

APPENDICES

Appendix 1 - Noise monitoring location plan



1. INTRODUCTION

- 1.1 The main objective of Sam Gilpin Demolition Ltd (SGDL) in respect of environmental noise generated by all operations at Whitecleave Quarry is to ensure that the environmental impact is suitably controlled. This will be carried out in accordance with mineral planning guidance and policy.
- 1.2 This Environmental Noise Scheme proposes the procedure to be adopted and outlines the measures to be taken in order to identify, mitigate, control and monitor the environmental impact from the site.
- 1.3 The scheme has been prepared in consideration of the provisions of condition 9 of Planning Permission 98/3304/92/9/DCC issued by Devon County Council (DCC) to Hanson Aggregates Ltd and dates 05 February 2002.
- 1.4 The scheme proposes communication procedures to be established between SGDL, DCC and Teignbridge District Council (TDC) and via the established Local Liaison Group (LLG) and other key stakeholders. This will enable the Scheme to be regularly reviewed and any concerns of the local community to be satisfactorily addressed.
- 1.5 The scheme is produced in accordance with recognised good practice, relevant national policy as set out in the National Planning Policy Framework (NPPF), associated NPPF Technical Guidance, other guidance documents and relevant British Standards.
- 1.6 The scheme shall be reviewed annually and if pertinent, amendments will only be made with the agreement of SGDL and DCC. The scheme will also be reviewed in the event of significant changes to Central Government guidance and British Standards.



2. BACKGROUND INFORMATION

- 2.1 Permissible noise levels contained in this scheme are in accordance with condition 9 of Planning Permission Ref: 98/3304/32/9DCC.
- 2.2 In accordance with condition 9 of Planning Permission Ref: 98/3304/32/9DCC, the permissible noise levels are applied to any occupied residential building not under the control of the developer located outside the boundary of the site.
- 2.3 The precise monitoring locations have been identified in consultation with DCC and TDC to ensure that they are representative to assess the noise impact from the site. A plan identifying the monitoring locations is provided in Appendix 1 of this scheme.
- 2.4 In the event that access cannot be obtained to undertake noise monitoring at the selected locations, measurements will be carried out at either another representative position or at a suitable location on the site boundary. Calculations will then be made in accordance with 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 proposed permissible levels. Corrections will be made for any afforded topographical, ground / air absorption effects or barrier attenuation.



3. MONITORING PROCEDURES

3.1 Monitoring will be undertaken at the following measurement locations at a frequency of not less than twice per year. Measurements shall also be conducted during any key stages of site development for example temporary operations, which include soil stripping and baffle mound construction, top bench working or other operations as determined by the SGDL management in consultation with DCC and TDC.

Monitoring Location	Measurement Position
xxxxxx	Subject to access
xxxxxx	Subject to access
xxxxxx	Subject to access
xxxxxx	Subject to access
xxxxxx	Subject to access
xxxxxx	Subject to access

3.2 Additional monitoring will be undertaken as required ie. in accordance with the complaints procedure as stated in Section 7 – Complaints Procedure.

3.3 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 noise sources not associated with site operations are the primary influence, it is proposed that routine monitoring will cease, subject to consultation with DCC and TDC. However the company will react immediately to any complaint received in respect of environmental noise in accordance with Section 6.1 and Section 7 of this scheme.

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



- 3.5 The monitoring will be undertaken with reference to the methods provided in BS 4142: 2014, '*methods for rating and assessing industrial and commercial sound*' (British Standards Institution 31.10.14), 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 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 - L_{A10} , L_{A90} and L_{Aeq} ;
- 3.6 Monitoring will not be undertaken if it is considered that the prevailing weather conditions could detrimentally effect 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.
- 3.7 So far as is reasonably practicable, monitoring shall be undertaken to ensure that the winning and working of minerals is representatively assessed and in the event of steady noise conditions a minimum fifteen minute measurement period shall be adopted at each agreed location. This will include both manned and unmanned measurements being carried out.
- 3.8 Within six weeks of each monitoring exercise site management will ensure that a report is prepared detailing the monitoring results. The report shall 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
- discussion of results.

3.9 All relevant records pertaining to the measurement and recording of noise will be retained by the SGDL site management for a period of three years and will be available for inspection by authorised officers of DCC and TDC.

3.10 SGDL shall supply copies of the noise monitoring report to DCC and TDC.

3.11 The established LLG which consists of key regulatory stakeholders will meet on a routine basis and review the environmental performance of the site operations. Noise monitoring results will be reviewed in this forum and if required corrective measures reviewed.



4. SUPPRESSION MEASURES

- 4.1 Best practicable means will be adopted to ensure that static and mobile plant will be suitably noise attenuated and maintained. Checks of mobile plant, including inspection of the vehicles transmission, exhaust and hydraulic systems, will be carried out as part of the sites planned preventative maintenance programme.
- 4.2 If site conditions dictate that ancillary diesel driven equipment be employed eg. mobile plant, water pumps etc. the equipment will be suitably silenced to ensure that noise generated by such equipment does not give rise to an increase above the agreed permissible noise levels.
- 4.3 No mobile plant will operate using intrusive audible reversing alarms. Vehicles controlled by *Quarries Regulations 1999*, '*Quarries Regulations 1999 - Approved code of practice*' (*Health & Safety Commission*), required to operate with reversing warnings will be fitted with 'white noise' or similar type alarms.
- 4.4 The use of the hydraulic pecker shall be limited to 0.5 hours in any one hour period until it can be guaranteed that such operations can be carried out without an exceedance of the permitted noise limits.
- 4.5 Notwithstanding 4.4 above, when wind direction has a westerly component, the noise arising from the operations of the hydraulic pecker should be minimised as it will be directed away from the sensitive receptors located to the west of the A38. SGDL will undertake to operate during such conditions to mitigate noise arising from this source.
- 4.6 SGDL will consider and record weather conditions prior to the commencement of any hydraulic pecker operations.



5. PERMISSIBLE LEVELS

5.1 Unless otherwise agreed in writing by DCC or in exceptional circumstances to maintain safe quarry working as required by quarry legislation, noise levels generated by the winning and working of minerals at the site shall not exceed the limits below as contained in condition 9 of Planning Permission Ref: 98/3304/32/9DCC:-

Time Period	Noise limit ($L_{Aeq, 1hour\ freefield}$)
07:00 hrs. to 19:00 hrs. Monday to Friday	55 dB
08:00 hrs. to 13:00 hrs. Saturday	55 dB
Ay any other time	45 dB

5.2 During certain periods, noise levels may be generated which exceed the permissible noise levels, ie. operations of a temporary nature. Provision is made in condition 9 of Planning Permission Ref: 98/3304/32/9DCC whereby a temporary relaxation of the limits is permitted to accommodate such occurrences, however such exceedances must be recorded and DCC informed. Also, current mineral planning guidance also provides for a relaxation of the limits to accommodate temporary operations whereby noise shall not exceed 70 dB $L_{Aeq, 1hour\ freefield}$ for a period not exceeding 8 weeks in any one year.



6. PROCEDURE TO BE FOLLOWED IN THE EVENT OF THE PERMISSIBLE LEVELS BEING EXCEEDED

- 6.1 Following a noise survey, in the event that the permissible noise levels are exceeded by operations from the site, SGDL will inform DCC and TDC within 24 hours of the occurrence and of any mitigating measures taken to reduce the impact. Any further action will be agreed between all parties. The LLG will also be informed at the next scheduled meeting.



7. COMPLAINTS PROCEDURE

- 7.1 In the event of a substantiated complaint being received by SGDL, DCC, TDC or any other stakeholder, then the party receiving the complaint shall inform the other without undue delay.
- 7.2 Upon receipt of the complaint, SGDL will instigate an immediate investigation with all other interested parties being kept fully informed of such investigation and subsequent remedial action taken.
- 7.3 All complaints will be investigated by the designated representative of SGDL utilising external support as required. SGDL will report back to the person making the complaint.
- 7.4 Where no obvious cause for complaint can be identified, then monitoring when applicable will none the less be undertaken as a matter of urgency in order to determine if an infraction of the permissible levels has occurred.
- 7.5 In the event that the permissible noise levels are exceeded, SGDL will inform DCC of the occurrence and of any mitigating measures taken to reduce the impact. Any further action required will be agreed between both parties.
- 7.6 Should it be found that permissible levels are not exceeded but a subjective assessment made by SGDL, DCC or TDC deems the complaint to be justified, then action as agreed between all involved parties shall be defined and implemented in order to arrest the situation.
- 7.7 All complaints received by SGDL will be recorded in the site complaint log, which will be available for inspection by authorised officers of DCC and TDC upon request.



APPENDICES



Appendix 1
Noise Monitoring Location Plan

