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Ask for: Jim Wooldridge
Your Ref:
Our Ref: PAU/JW/TM/88/1002/R17&18
Date: 15 April 2004

Dear «Title»

**REVISED SCHEME OF BLASTING (APRIL 2004)
BLAISE FARM QUARRY, OFFHAM**

Further to my letter dated 16 February 2004, please see attached the revised Blast Monitoring Scheme for Blaise Farm Quarry which has been agreed by Kent County Council and Hanson Aggregates. All comments received in respect of the earlier draft were considered and a number of alterations to the draft Scheme were made.

I have provided Hanson with E-mail addresses (where known) for all Parish Council Clerks and for Tonbridge & Malling Borough Council Environmental Health and Housing Service to enable it to fulfil its commitments under paragraph 1.9 of the Blast Monitoring Scheme. If you would prefer Hanson to use an alternative E-mail address please let Hanson and I know.

Any future revisions to the Blast Monitoring Scheme will be discussed at the Blaise Farm Quarry Liaison Meetings.

Please contact myself on the above number, Hanson's Blaise Farm Quarry Manager [REDACTED] or Hanson's Senior Estates Surveyor [REDACTED] if you wish to discuss any of these issues further at this time.

Yours sincerely

[REDACTED]
For Head of Planning Applications

Enc. Revised Blast Monitoring Scheme (April 2004)

cc Mrs SV Hohler, KCC
Mrs VJ Dagger, KCC
Mrs T Dean, KCC
Mr R Lane, Hanson Aggregates
Ms C Chadwick, Hanson Aggregates

Bill Murphy
Head of Planning Applications Unit

Name	Address1	Address2	Address3	Address4	Address5	Title
Mr S Humphrey	Director of Planning & Engineering	Tonbridge & Malling Borough Council	Gibson Building, Gibson Drive	Kings Hill, West Malling	Kent ME19 4LZ	Mr Humphrey
[REDACTED]	Clerk, Offham Parish Council	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	Clerk, West Malling Parish Council	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	Clerk, Kings Hill Parish Council	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	Clerk, Mereworth Parish Council	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

**BLAISE FARM QUARRY, OFFHAM
HANSON AGGREGATES
BLAST MONITORING SCHEME
APRIL 2004**

1.0 Methodology to be adopted

- 1.1 In order to demonstrate compliance with the blast vibration criteria monitoring shall be undertaken close to nearest adjacent sensitive locations which shall include:

Kentfield House
Ashtree Farm
The Crest
No. 25 Mosquito Close
Remains of the Chapel of St Blaise

- 1.2 Prior to each blast vibration levels will be predicted for all of the designated locations.
- 1.3 Subject to landowner / occupier permission, monitors will be located at the four monitoring locations with the highest predictions. If permission is not forthcoming for any location, the monitor shall be located at a suitable location as near to the sensitive location as possible.
- 1.4 The monitoring will be undertaken in accordance with the principles of British Standard 7385: Part 1, 1990.
- 1.5 The prevailing weather conditions shall be noted at the time of the blast.
- 1.6 The results to be submitted to the Mineral Planning Authority will comprise a copy of the printout from the monitoring instrumentation which should include at least peak particle velocities in three mutually perpendicular planes together with the date and time. The records should also indicate the monitoring location, weather conditions and blast design details including an accurate plan showing the position of the blast in relation to the monitoring location, total explosive charge weight and maximum instantaneous explosive charge weight.
- 1.7 The results to be retained on site by Hanson Aggregates will be tabulated together with date, time, monitoring location and blast design details including an accurate plan showing the position of the blast in relation to the monitoring location, total explosive charge weight and maximum instantaneous explosive charge weight.
- 1.8 The results will be submitted to the Mineral Planning Authority within 24 hours of each blast. Hanson Aggregates will also provide the results of blast monitoring in tabular form with the Agenda for each Blaise Farm Quarry Liaison Meeting to all invitees.

- 1.9 Hanson Aggregates will notify the Mineral Planning Authority of its intention to blast at least 72 hours before the anticipated time of the blast and confirm the expected time of the blast no less than 4 hours in advance. This information will be sent by E-mail and telephone to the Mineral Planning Authority and will be copied by Hanson Aggregates (E-mail only) to the Mineral Planning Authority's vibration consultant, Tonbridge and Malling Environmental Health and Housing Service and one representative of each relevant Parish Council¹ provided an appropriate E-mail address is provided.

2.0 Instrumentation

- 2.1 Seismographic instrumentation recording ground vibration in terms of peak particle velocity in three mutually perpendicular planes of measurement and air overpressure in dB (linear) shall be used.
- 2.2 All instrumentation will have valid certificates of calibration.

3.0 Locations and Frequency of Monitoring

- 3.1 The monitoring location shall be determined as described in 1.2 and 1.3 above.
- 3.2 At twelve monthly periods at either the request of the Mineral Planning Authority or Hanson Aggregates the monitoring procedures will be reviewed.

4.0 Complaints Procedure

- 4.1 Should complaints be made to the quarry management relating to blast vibration, then these shall be immediately investigated and, where necessary, measures to control the effects shall be implemented. The results of the investigations shall be submitted to the Mineral Planning Authority within 72 hours of their completion.
- 4.2 All such complaints, and any action undertaken as a result of the investigation, shall be recorded in a log held at the quarry office which will be available for inspection by the Mineral Planning Authority. Hanson Aggregates will provide a list of complaints in tabular form with the Agenda for each Blaise Farm Quarry Liaison Meeting to all invitees.

5.0 Independent Monitoring

- 5.1 Hanson Aggregates shall, on request, pay the reasonable expenses incurred by the Mineral Planning Authority in undertaking independent monitoring at no more than one location on up to 4 occasions each year. The precise location(s) will be determined by the Mineral Planning Authority in consultation with Tonbridge and Malling Borough Council Environmental Health Unit and the relevant Parish Councils. The Mineral Planning Authority will not inform

¹ Offham Parish Council, West Malling Parish Council, Kings Hill Parish Council and Mereworth Parish Council.

Hanson Aggregates in advance of this monitoring, but will provide the results to Hanson Aggregates, Tonbridge and Malling Borough Council Environmental Health Unit and the relevant Parish Council(s). The independent monitoring will include measurements for ground vibration and air overpressure as detailed in paragraph 2.1 above and all equipment used will conform with paragraph 2.2.