

Appendix to Quarry Survey Report.

The Appendix contains the written comments contained in the individual completed survey forms. They are presented as written. Any text which would enable the individual contributor, other than the five Community Assets, to be identified has been edited to maintain anonymity.

The comments relate to both the current concerns and concerns about the proposed deepening of the quarry.

Blasting – Structural

1. Our house is full of cracks from the blasting
2. I am concerned blast wave could cause external cracking.
3. We have recently become more aware of the vibrations and cracks appearing and its causing great concern.
4. I cannot believe that the weekly vibrations which I feel when I am sitting in a chair do not cause some damage to the property over the years.
5. As a school we believe that the quarry blasts have had a significant impact on the external render of the building over the years
6. I am concerned the vibrations cause excessive cracks in my house
7. Ground wave has caused tiles to fall off kitchen wall and recently a crack has appeared in driveway.
8. Conservatory, built 1993, has numerous cracks which we heard and subsequently saw.
9. Cracks can no longer be filled and have had to be covered with uPVC panel.
10. We are concerned that the vibrations from the quarry could be having an adverse effect on the fabric of St Cuthbert's church which is a grade 2 * listed building. At the time of a recent survey of the east stained-glass window, a loud 'explosion' was noted by the inspector followed by vibrations felt though the whole church building. This was raised as a potential reason for quickening the breakdown process/failure of the leaded light cement within this window.
11. We worry about the impact on our own house and other buildings in the village. At 12.29 pm on the 19th October there was an example of one of the very big blasts, during which our house shook and glasses rattled on the shelves.
12. Cracks appeared in lounge ceiling but not sure if these are caused by quarry blasting.
13. Concerned that the continued impact of explosion vibration could cause some damage.

14. Current levels are socially unacceptable. Only time will tell what structural damage may be taking place.
15. Blasting can cause certain unease if not expected.
16. Over the last five years two significant (c.500 litres/24hrs) leaks in joints in the water main feeding my house have had to be repaired by United Utilities. I am concerned that these might be caused by the ground wave from the blasts.
17. It cannot be assumed or proved that vibration does not damage buildings over the long term. Many buildings and wall in OK have cracks. We need a survey to show whether cracks are worse than would be expected normally.
18. I'm sure the blasts are damaging my property, I can cope with the noise but the blasts are horrendous.

Blasting – Quarry Responses and Limits

1. The vibration from blasts is often very severe yet previously when I have complained the answer is "all is within permissible limits".
2. Basically I have stopped complaining as a consequence. Glassware and crockery inside cupboards rattling and having a feeling of ground movement inside ones house surely cannot be normal.
3. Unresponsiveness from the quarry. Recent breakage of antique glass caused by quarry vibration ignored by management. Previous good relations at risk.
4. I do not think the statutory levels of vibration are tight enough.

Blasting Frequency

1. Number of blasts and frequency seems to be increasing. The vibrations seem to be stronger and for a longer period of time
2. They often monitor the vibration at our house although the readings are well below the alleged tolerance levels, between 2 and 3. We can certainly regularly feel the blasts.
3. In our opinion the blast waves are getting stronger.

Blasting - Other Disturbances

1. Blast vibration felt through the feet upto the knees.
2. The quarry does not affect Playgroup other than users moving/rattling which the children comment on. The amount/size of rattles/vibrations does seem to be getting worse.
3. Glassware on shelves rattle.
4. Have started to feel our cottage shake during blasting this year. In the previous 35 years the experience has been more of a rumble!
5. Sometimes I don't hear the siren only a loud blast a bit frightening then look at the time and realise it's the quarry. I wouldn't like to be walking in the woods when it blasts.
6. As I am deaf I do not hear the warning indoors.

Dust

1. Dust settles on the leaves of the several mature trees around my property. After rain the house windows closest to those trees have a veneer of dusty spots and smears washed off the leaves. The windows need regular cleaning - at least once every ten days and often more frequently.
2. Dust may be damaging to vegetables and ornamental plants. It is unsightly and reduces the pleasure of gardening

3. Community Asset - Allotment: Dust could be damaging to the growth of plants on the allotments. Cars and windows must be washed and cleaned more frequently in over Kellet to remove the dust.
4. One of my main concerns is the health impact of the dust.
5. The dust is mainly from traffic or from sandstorms and not usually the quarry.
6. Dust impact is the most prevalent.
7. Solar panels covered in a thin mud/deposit. Possible adverse affect on efficiency.
8. Frequently have to swill grit/sand otherwise wipers scratch windscreen.
9. Dust on plants noticeable after prolonged dry spell.
10. The Nestle factory adjacent to the A5 has emissions of vapour and steam which cover windows and cars with a 'weak coffee' deposit. The factory pays for householder to have the exteriors of their properties cleaned.
11. On a number of occasions in dry weather a thick cloud of dust envelopes the house and garden and seeps into the house. I have had to re wash clothing on the line outside and thoroughly clean inside. On one occasion quarry representatives called unannounced to check that all was okay and apologise.
12. When we first moved to Over Kellet the hedges used to be white with dust but that isn't the case now although the wagons do not travel past our house anymore as they enter and leave the quarry through the entrance near the motorway rather than from the High Road entrance.
13. Dust was a big problem a few years ago, but does not appear as bad as it was
14. Depends on wind direction and dry conditions.

Noise

1. The noise some nights is excessive, but doesn't actually disturb sleep.

Stray Light

1. Lights from quarry night-time working interfere with astronomy

Vibration, Ecological and Groundwater Impacts Caused by Deepening

1. I am concerned that if the quarry deepening goes ahead the ground water level will drop to an extent that affects Over Kellet Pond Biological Heritage Site. This pond is already drying up every couple of years so any additional pressures on it could cause a loss of biodiversity in the local area. Please ensure that modelling the effects of lowering of ground water includes the effect on local ponds.
2. Concern that the quarries will extend beyond their present boundaries.
3. Will an in-depth survey be made of any springs which could be affected?
4. Will a proper survey be made of any effects on the groundwater?
5. Will the dewatering have any effect on the availability of
6. water for surrounding vegetation?
7. Will the deeper quarry increase the groundwater accumulating and how and where will it be pumped to?
8. By deepening will the vibration impact be more through layers and any non-conformities.
9. Will the deeper quarry increase the strength of the ground wave?

General

1. Dust and noticeable problems with blasting has become much less over the years.
2. All quarries produce noise, dust and local vibration. They are a necessary industrial process. If they cause distress the only solution is to move house.
3. All three are getting worse

4. Most dust appears to be from unregulated building works, not from the quarry. Quarry nuisance is not unchanged different from past 18 years in our house. Some blasts bigger than others depending on position and over pressure.
5. I am only aware of HGV's travelling up the road sometimes when I first wake up, but do not consider this a problem.
6. The blasts and amount of dust falling are not equally disturbing. some much worse than others.
7. Some of the answers to the questions regarding noise and vibrations are dependent on whether one is indoors or outdoors.
8. We have lived in the village for only one year so can not comment on the increase/decrease of noise/dust/vibration.