



WIN the opportunity of pressing the detonator for a rock-face blast at Mountsorrel Quarry!

What a Blast!

Over the last few months **Tarmac** has explained to us some of the ways in which it supports the local and national economy, how it monitors the local environment, its engineering developments and the range of biodiversity on site. Now, here's your chance to put all that knowledge to the test and **WIN the opportunity of pressing the detonator for a rock-face blast at Mountsorrel Quarry!**...

At the time of going to press, the quarry team remains focussed on manufacturing the essential national infrastructure - and keep our highways and railways running. So, for this edition of *The Quorndon Village Life*, we thought we would test just how much attention you have been paying to the Tarmac articles, by setting you this quarry related quiz!

All the answers to the questions are available in previous issues.

Mountsorrel Director, Alastair Meyers, has kindly offered a prize for the person/family answering the most questions correctly. The prize will be a guided tour of Mountsorrel Quarry for up to four people, plus the exciting opportunity to press the detonator for a rock-face blast.

The date of the site visit for the prize winners will be arranged at a suitable time in the future, subject to public health and other guidance. Age limits, health and safety guidelines and appropriate PPE will be issued to the winners.

Just tick your answer choice to the following multiple choice questions and either scan and email these two pages to kevan@kdpqh.co.uk or post the completed pages to Ruth Roll, on behalf of Tarmac, Wharfdale, Three Bridges Road, Long Buckley Wharf, Northants, NN6 7PP and include your name, address, phone number and/or email address. Please read the terms and conditions opposite.

Good luck!

- How much recycled asphalt now goes in to road surfacing materials?
 - 40%
 - 30%
 - 10%
- How many different types of habitat are found within the quarry?
 - 15
 - 23
 - 11
- How long is the current haul road down to the bottom of the quarry?
 - 1500 metres
 - 3000 metres
 - 2000 metres
- What percentage of Network Rail's national demand for railway ballast is supplied from Mountsorrel, reducing the number of HGVs on the roads?
 - 70%
 - 50%
 - 90%
- How many 100 tonne capacity trucks are used on the site?
 - 25
 - 17
 - 32
- At least how many bird species have been spotted on site?
 - 23
 - 15
 - 12
- How many tonnes of railway ballast are delivered weekly to Network Rail to keep the trains running?
 - 4 - 6,000 tonnes
 - 8 - 10,000 tonnes
 - 10 - 12,000 tonnes
- What type of tree has not been planted at the quarry?
 - willow
 - olive
 - field maple
- How many different types of stone are produced by the quarry?
 - 11
 - 22
 - 15
- At least how many species of moths and butterflies have been recorded at the site?
 - 20
 - 30
 - 10
- How much does each CAT 6030 excavator weigh?
 - 300 tonnes
 - 400 tonnes
 - 500 tonnes
- What type of camera does Scott Green use to take his stunning wildlife photographs on site?
 - Nikon
 - Canon
 - Pentax
- What is the name of the Tarmac employees mental and physical awareness programme?
 - All together now
 - Mates in mind
 - Everyone is equal
- What species of deer is found on the site?
 - Roe
 - Fallow
 - Muntjac
- How high above sea level is the current primary crusher?
 - 92m
 - 83m
 - 107m
- How many full time staff are employed in the Engineering Team?
 - 29
 - 66
 - 43
- How many people usually work at the quarry?
 - 150
 - 250
 - 350
- What is the highest tonnage of rock ever blasted in one go?
 - 35,000 tonnes
 - 53,000 tonnes
 - 42,000 tonnes
- How frequently are dust levels recorded across the site?
 - once every hour
 - once every second
 - once every minute
- What is measured by 'fingerprints' at the quarry?
 - noise
 - dust
 - traffic movements
- How many pairs of sand martins regularly nest on the site?
 - over 100
 - over 200
 - over 300
- How often are routine environmental noise measurements taken on and around the quarry?
 - once a month
 - 24 hour continuous
 - once a day
- When was the Mountsorrel operating equipment generally installed?
 - late 1950s to early 1960s
 - late 1960s to early 1970s
 - late 1970s to early 1980s
- When was the wildflower mix planted outside the quarry offices?
 - 2017
 - 2018
 - 2019
- How much stone can be transported by the new dump trucks?
 - 25 tonnes
 - 50 tonnes
 - 100 tonnes
- What is a bund?
 - dam
 - concrete embankment
 - soil screening mound
- What percentage of the quarry production is used for railway ballast?
 - 50%
 - 40%
 - 30%
- How many dust samples are taken annually on and around Mountsorrel Quarry?
 - over 600
 - over 450
 - over 300
- Which spring-flowering plants have been translocated to different parts of the site?
 - daffodils
 - snowdrops
 - bluebells
- What shape is the railway ballast?
 - banana shaped
 - egg shaped
 - tomato shaped
- When did the regular noise monitoring programme start?
 - early 1990s
 - early 1980s
 - early 2000



Mountsorrel Quarry is a complex industrial and processing site. Heavy HGVs and dump trucks use the site roads, there are areas of deep/cold water and much of the site is dangerous to enter without the appropriate PPE. Please do not trespass on the site - Tarmac has a strict zero tolerance approach to trespassers. There are marked wayleaves and paths around the reinstated quarry areas and across former grazing land.

- Terms and Conditions:**
- Entry is open to all readers of *The Quorndon Village Life* magazine, except Tarmac employees or those of its affiliates and their close relatives or any person connected to the quiz.
 - Entrants must supply their full name, address, phone number and email address in order to be notified should they be the winner.
 - The competition closing date is 28th August 2020.
 - The winner will be notified no later than 21st October 2020.
 - The winner agrees to their name and home location (not their full address) being published in the next issue of *The Quorndon Village Life* magazine and on social media by *The Quorndon Village Life* and Tarmac.
 - We may request a photo of the winner accepting their prize which the winner agrees to be used for publicity purposes by *The Quorndon Village Life* and Tarmac.
 - The prize is as stated opposite. There is no cash alternative and the prize cannot be sold or transferred in any circumstances.
 - The prize must be taken on a date as specified by Tarmac at some future time, subject to regulations in force regarding on site health and safety regulations and Covid-19.
 - It is the winner's responsibility to make their own way to accept the prize offered, transport is not included.
 - The *Quorndon Village Life* and Tarmac's decision as to the winner and prize awarded is final. No correspondence relating to the quiz will be entered into.
 - The *Quorndon Village Life* and Tarmac reserve the right to:
 - amend these terms and conditions;
 - disqualify any entrant who breaches the rules or has acted fraudulently in any way; and
 - cancel the quiz, at any stage, if in their opinion it is deemed necessary or if circumstances arise outside its control.
 - No purchase necessary or required to take part.
 - The promoter of the quiz is Tarmac.
 - GDPR:** Your name and contact details will not be shared with any third parties.
 - Entrants will be deemed to have accepted these rules and to agree to be bound by them when entering.