An application for an Environmental Permit to authorise the deposition of waste on land as a recovery activity for the restoration of Phases 12, 13A and 13C at Brooksby Quarry, Melton Road, Brooksby, Leicestershire

Non-technical Summary

1.1 MJCA is commissioned by Tarmac Trading Limited (Tarmac) to prepare an application for a bespoke Environmental Permit for the deposition of waste on land as a recovery activity in order to restore Phases 12, 13A and 13C of Brooksby Quarry, Melton Road, Brooksby, Leicestershire to agriculture. Throughout the application Phases 12, 13A and 13C of Brooksby Quarry are referred to as the site. The site is centred approximately on National Grid Reference (NGR) SK 66813 15092.

1.2 A Waste Recovery Plan (WRP) presenting justification that the activity comprises recovery was submitted to the Environment Agency (EA) on 27 August 2021. Further information in respect of the recovery status of the activity was submitted to the EA on 27 October 2021 and in a letter dated 3 November 2021 the EA confirmed that the activity comprises recovery. The letter from the EA confirming that the activity comprises recovery is presented at Appendix D of the application report.

1.3 Although planning permission for mineral extraction at Brooksby Quarry was first granted in 2003, most recently planning permission reference 2018/0917/06 (2018/CM/0123/LCC) was granted on 10 October 2019 by Leicestershire County Council (LCC) for the *'…Southern Extension of sand and gravel working and restoration using site derived and imported inert material returning the land to a combination of agriculture, open water and nature conservation - Brooksby Quarry, Melton Road, Brooksby, Leicestershire LE14 2LN.'*.

1.4 The site forms part of the wider Brooksby Quarry complex and is located approximately 1.1km east of Rearsby, 1.6km south east of Thrussington, 1.6km south of Hoby, 3.4km south west of Frisby on the Wreake and 2.4km north west of Gaddesby in Leicestershire. Brooksby Melton College and several residential dwellings are located north north east of the site and there are several isolated farms located in the area of the site which is generally in agricultural use. The site is

accessed from the existing access to the Brooksby Quarry complex off of the A607, Melton Road. Mineral extraction operations are ongoing in Phases 12, 13a and 13c.

1.5 The site is in a predominantly rural area with the majority of the surrounding land in agricultural use. With the exception of Melton Road and Brooksby Grange Farm the Brooksby Quarry complex including the site is generally bounded by hedgerows and small areas of woodland. The closest properties to the site are the buildings associated with Brooksby Grange Farm, Hive's Farm and Hall Farm the closest of which is located on the boundary of the site.

1.6 Based on information from the Defra MAGIC website there are no Sites of Special Scientific Interest (SSSI), Special Protection Areas (SPA), Special Areas of Conservation (SACs), National Nature Reserves (NNRs) or Local Nature Reserves (LNR) located within 2km of the site. The closest Priority Habitat identified in the vicinity of the site is an area of Deciduous Woodland located approximately 60m west of the site. A Traditional Orchard is located approximately 110m west of the site at Brooksby Grange Farm.

1.7 The site will be restored to agriculture, amenity and nature conservation interest by the importation of inert restoration materials. It will be necessary to import approximately 326,500m^3 of inert restoration materials to Phases 12, 13a and 13c. An additional approximately 46,500m^3 of cover soils will be placed over the inert restoration materials.

1.8 Based on the BGS geological mapping the site is generally underlain by superficial deposits comprising clays overlying sand and gravel deposits predominantly. The alluvium at the site is classified as a Secondary A aquifer and the colluvium is designated as a Secondary B aquifer. The superficial sand and gravel deposits comprising the Bytham Sand and Gravel Formation are classified by the EA as a Secondary A aquifer. The Thrussington Till Member of the Wolston Glaciogenic Formation is classified as a Secondary (undifferentiated) aquifer. The Mercia Mudstone Group bedrock underlying the superficial deposits generally has a low permeability which will limit the vertical movement of groundwater.

1.9 The site is located in the River Wreake catchment. The River Wreake flows from north east to south west approximately 670m north west of the site at the closest point. The Rearsby Brook, which is a tributary of the River Wreake, flows from north east to south west to the south of the site and joins the River Wreake at Rearsby Mill approximately 2.5km west south west of the site. At its closest point Rearsby Brook is approximately 20m from the south eastern boundary of Phases 12 and 13a.

1.10 Based on the information provided on the GOV.UK Flood map for planning website (https://flood-map-for-planning.service.gov.uk/) the permit application boundary is located within Flood Zone 1 which is which is defined as having a less than 1 in 1,000 year annual probability of flooding from rivers.

1.11 Based on information provided by the Environment Agency there are three licensed surface water abstractions from four locations within 2km of the site. The closest surface water abstraction is located approximately 1.9km west south west of the site on Rearsby Brook.

1.12 Based on information provided by the Environment Agency there are two records of Environmental Permits to discharge to surface water within 1km of the site. One of the discharges is to Rearsby Brook associated with quarry operations at the site and the other is located at Hive Farm.

1.13 Based on information provided by the Environment Agency there is one licensed groundwater abstraction, three unlicensed groundwater abstractions, two of which are listed as private groundwater supplies by Charnwood Borough Council, and three deregulated groundwater abstractions within 2km of the site. The licensed groundwater abstraction is for Brooksby Quarry and comprises an abstraction from sand and gravels at the plant site for mineral washing and concrete production. The three deregulated groundwater abstractions are located in or near to Rearsby to the west and west south west of the site and are for general farming and domestic use the closest of which is located approximately 760m west of the site. The private groundwater supplies for domestic use listed by Charnwood Borough Council are located approximately 480m west south west and approximately 860m west south west of the site. The third unlicensed groundwater abstraction listed by the

Environment Agency is used for agriculture approximately 1.3km east north east of the site. The site is not located within a groundwater Source Protection Zone (SPZ) of a public water supply.

1.14 In the Environmental Risk Assessment (ERA) included with this application consideration is given to the potential for accidents, odour, noise and fugitive emissions having regard to the proposed site operations the subject of the application for the Environmental Permit and the presence and location of sensitive receptors in the vicinity of the site. Operations at the site will be undertaken in accordance with the control measures described in the ERA. It is concluded in the ERA that the operation of the facility has a low or very low risk of adverse impact on the surrounding environment including sites of heritage or nature conservation interest. A programme of environmental monitoring will be carried out to confirm the results of the ERA. The results of the monitoring will be reported to the Environment Agency on a regular basis.

1.15 Based on the results of the Hydrogeological Risk Assessment (HRA) included with the application it is considered that there is no significant risk from the proposed deposition of inert waste to groundwater and surface water quality in the vicinity of the site. Based on the environmental setting and the inert nature of the materials that will be deposited at the site active long-term site management will not be necessary in order to prevent long term groundwater pollution. A programme of environmental monitoring will be carried out to confirm the results of the HRA. The results of the monitoring will be reported to the Environment Agency on a regular basis.

1.16 The inert waste types that will be accepted at the site the subject of the Environmental Permit are presented in the Environmental Permit application. Waste acceptance procedures will be in place to minimise the risk that unacceptable waste materials will be accepted at the site including procedures for the rejection of non-conforming loads. A summary of the EMS is included with the Environmental Permit application at Appendix K.

1.17 Tarmac is committed to ensuring that members of its staff are technically competent to undertake waste operations and uses the Chartered Institution of Wastes

Management/Waste Management Industry Training and Advisory Board (CIWM/WAMITAB) scheme for these purposes. The training standards set out in the CIWM/WAMITAB scheme, as relevant to the operation of a facility for the deposit of waste on land and waste operations in general, are adopted for training purposes.