MORETON C CULLIMORE (GRAVELS) LIMITED

BOW FARM

APPLICATION FOR AN ENVIRONMENTAL PERMIT
THE DEPOSIT OF WASTE TO LAND AS A RECOVERY ACTIVITY

APPENDICES

APPENDIX A

Wamitab certificates and competent manager form

APPENDIX B

Environmental Management System summary

Moreton C Cullimore (Gravels) Limited (MCC) operates an Environmental Management System (EMS) (accredited to ISO14001) which describes the management system that has been developed to ensure that MCC sites are operated and maintained by technically competent staff and are managed in such a way that the impact on the environment is minimised. The management system also seeks to provide a framework for minimising the potential for any accidents or incidents, which may occur, to impact on the environment.

APPENDIX C

Planning Permission documents

APPENDIX Ci

Planning Permission 19/000048/CM (Worcestershire County Council)

APPENDIX Cii

Planning Permission 19/0081/TWMAJM (Gloucestershire County Council)

The works were approved under appeal (Appeal Ref. APP/T1600/W/23/3324695) of the decision made regarding Planning Permission 19/0081/TWMAJM (Gloucestershire County Council).

The appeal approval documentation is included in Appendix Cii.

APPENDIX D

Site plan

APPENDIX E

Site Condition Report

APPENDIX F

Non-technical summary

The works approved by Planning Permission 19/000048/CM (Worcestershire County Council) and Planning Permission 19/0081/TWMAJM (Gloucestershire County Council) provide for, *inter alia*, site restoration using imported inert fill material at Bow Farm, Ripple, Worcestershire (the Bow Farm site).

Planning Permission 19/0081/TWMAJM was approved by Gloucestershire County Council through the successful appeal (Appeal Ref. APP/T1600/W/23/3324695) by the applicant following initial refusal of Planning Permission 19/0081/TWMAJM.

Completion of the approved site restoration scheme, involving the restoration of the mineral extraction areas requires 1.4Mm^3 (approximately 2.45Mt using a standard conversion factor of 1.75t/m^3) of imported inert fill material to be placed within Phases 1 to 9 of the excavation area in the main site area.

The approved site restoration scheme also provides for excavation and low-level restoration of Flexible Working Areas A and B in the west of the site. Flexible Working Areas A and B will only be excavated seasonally during non-high flow periods of the River Severn, located *c.* 25m to the west at its closest approach. Restoration of Flexible Working Areas A and B will be to wetlands and water features using only site derived mineral waste (silts and clays) and will have a final landform below pre-extraction ground levels. No imported inert fill material will be placed in Flexible Working Areas A and B.

An application is being submitted for a Bespoke Environmental Permit (use of waste in a deposit for recovery operation). The applicant is Moreton C Cullimore (Gravels) Limited.

Within the Environmental Setting and Site Design Report (Appendix Gii), Drawing No. BOWFEPR2511-1 shows the site location and Drawing No. BOWFEPR2511-2 shows the different areas of the site, including the excavation area Phases 1 to 9 where imported inert fill material will be placed under the EPR Permit. Drawing No. BOWFEPR2511-3 shows the EPR Permit application area within the context of the site approved under the Planning Permissions. A site plan is presented as Drawing No. BOWFEPR2511-4. The phasing of the excavation and infilling of quarry excavation area Phases 1 to 9, and Flexible Working Areas A and B in the west of the site, approved by Planning Permission 18/06840/WCM, is shown within the drawings provided within Appendix 1 of the Waste Recovery Plan (Appendix I of the EPR Permit variation application).

The total EPR Permit application area is *c.* 65ha.

The area of quarry excavation Phases 1 to 9, into which the imported inert fill material will be placed, is *c.* 31ha.

The application is submitted on the basis that the permanent deposit of 1.4Mm^3 imported inert fill within excavation area Phases 1 to 9 at the Bow Farm site is a waste deposit for recovery activity and not a waste disposal activity.

The recovered waste will be imported inert fill material sourced from construction sites within the general Tewkesbury area.

To ensure that the recovered waste material is suitable for its intended use, the works will be managed by staff having the appropriate level of technical competence with relevant qualifications gained from one of the accepted industry schemes. Waste Acceptance Criteria inspection procedures and protocols will be in place to ensure that the inert fill material used in the works is as described on Waste Transfer Notes, is permitted by the Environmental Permit and is fit for purpose.

The following waste types are to be provided for in the Environmental Permit (it should be noted that the waste types provide for the importation of uncontaminated wastes from brownfield developments):

Waste types

Exclusions
Wastes having any of the following characteristics shall not be accepted:
- consisting solely or mainly of dusts, powders or loose fibres
- hazardous wastes
- wastes in liquid form

EWC Waste Code	Description
01	**WASTES RESULTING FROM EXPLORATION, MINING, QUARRYING AND PHYSICAL AND CHEMICAL TREATMENT OF MINERALS**
01 01	**wastes from mineral excavation**
01 01 02	wastes from mineral non-metalliferous excavation
01 04	**wastes from physical and chemical processing of non-metalliferous minerals**
01 04 08	waste gravel and crushed rocks other than those mentioned in 01 04 07
01 04 09	waste sand and clays
17	**CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)**
17 01	**concrete, bricks, tiles and ceramics**
17 01 01	concrete
17 01 02	bricks
17 01 03	tiles and ceramics
17 01 07	mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06
17 05	**soil (including excavated soil from contaminated sites), stones and dredging spoil**
17 05 04	soil and stones other than those mentioned in 17 05 03

17 05 04 waste will be sourced from greenfield sites and/or will be waste of 'greenfield quality' sourced from brownfield sites (*i.e.* naturally occurring material for which there is no suspicion of contamination based on specific source site environmental risk assessment, supported as necessary by laboratory analysis).

See also plans and cross sections in the Waste Recovery Plan (Appendix I of the Environmental Permit application).

APPENDIX G

Environmental risk assessments

APPENDIX Gi

Environmental Risk Assessment

APPENDIX Gii

Environmental Setting and Site Design

APPENDIX Giii

Waste Acceptance Criteria and Procedures

APPENDIX Giv

Hydrogeological Risk Assessment

APPENDIX Gv

Stability Risk Assessment

The works approved by Planning Permission 19/000048/CM (Worcestershire County Council) and Planning Permission 19/0081/TWMAJM (Gloucestershire County Council) provide for, *inter alia*, site restoration using imported inert fill material.

The approved restoration scheme is shown on Drawing No. 2636-4-4-2-1 DR0007-S4-P9 within Appendix 1 of the Waste Recovery Plan (Appendix I of the EPR Permit application).

The restored landform will have shallow surface gradients.

It is considered that there are no stability risks associated with the approved restoration landform.

APPENDIX Gvi

Gas Risk Assessment

APPENDIX H

Waste Types

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APPENDIX I

Waste Recovery Plan

APPENDIX J

Dust Emissions Management Plan

APPENDIX K

Noise Impact Assessment and Management Plan

APPENDIX L

Detailed Restoration Proposals and Landscape and Ecological Management Plan

Management of the completed restoration scheme at Bow Farm will be in accordance with the Detailed Restoration and Aftercare Proposals and Landscape and Ecological Management Plan (David Jarvis Associates Limited) approved by extant Planning Permission 19/000048/CM (Worcestershire County Council) and Planning Permission 19/0081/TWMAJM (Gloucestershire County Council).

The latest version of the approved Detailed Restoration and Aftercare Proposals and Landscape and Ecological Management Plan (Version P6 dated April 2025) has been included in Appendix L.

APPENDIX M

Artificial Geological Barrier Construction Quality Assurance Plan

APPENDIX N

Application checklist